

AFIN: 72-00144

PMT#: 0290-S1-R4

Received

By Haley Griffith at 10:19 am, Feb 26, 2024

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TO: BS>FILE <HG

Haley Griffith (adpce.ad)

From: Travis Doll <travis.doll@jettenviro.com>
Sent: Friday, February 23, 2024 9:51 AM
To: gwreports
Cc: Reynolds, Jodi; Steve Jett P.G.; Ciara Childers Beavers
Subject: January 2024 Monthly Sampling Event Report, Eco-Vista Class 1 Landfill, Solid Waste Permit No. 0290-S1-R4

On behalf of Eco-Vista, LLC, Jett Environmental Consulting is submitting the January 2024 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/1N8CMdjKWaYG6is837XoSMr8wyrOEkIOf/view?usp=sharing>

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

Sincerely,

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



February 23, 2024

Submitted via Electronic Mail

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

**Re: January 2024 Monthly Indicator Parameter Monitoring Report
Eco-Vista Landfill, LLC, Class 1 Landfill
AFIN: 72-00144, Permit No.: 0290-S1-R4**

Dear Mr. Baggett:

Jett Environmental Consulting is pleased to present the results of the January 2024 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-R4 (AFIN 72-00144), Conditions 31 & 38.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 42.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.
- vii) Status of the corrective action and corrective action activities at the site. This information will include, but not be limited to, a list of all active and passive out-of-waste gas extraction locations at the site and the days that the location was functional or not functional for the reporting period.

Analytical Results

The January 2024 sampling event was completed on January 4-7, January 9-11, January 17-18, and January 20-21, 2024. Copies of the laboratory analytical reports 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 January 2024 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, pH, 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 January 2024 chloride concentration was compared to 10 times the baseline value (see **Attachment A**). No January 2024 chloride concentrations exceeded the 10 times baseline values.

For monitoring wells with statistically significant increasing ammonia trends, the January 2024 ammonia concentration was compared to 1 mg/L. As shown in **Attachment A**, no detections were above 1 mg/L during the January 2024 event.

For monitoring wells with statistically significant increasing trends, the January 2024 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 January 2024 event. No further action is required.

LDS/LCS

In accordance with Permit Conditions 30 and 42.a.v., the Landfill began recording daily volume and rate data from the LDS and LCS since construction of the first cell in the lateral expansion area was completed. Per the site's Action Leakage Rate (ALR) Contingency Plan (DIN 68124 dated September 24, 2015), no further action, other than routine monitoring and reporting, is required if the LDS flow rate is at or below 60 gallons per acre per day (gpac). The ALR Contingency Plan was approved by DEQ on November 25, 2015 (DIN 68479).

In accordance with the Landfill's permit and ALR Contingency Plan, Eco-Vista personnel perform flow rate monitoring of the LDS sumps of Cells 1 through 12. Future Cell 13 will be included once the cell is active and data starts being collected. 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 January 2024 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 January 2024 LDS flow rates (14-day average) was below 60 gpad (see **Attachment E**).

Gas Extraction Well Operations

During a previous Nature and Extent Investigation, the site implemented interim corrective measures by installing a GCCS, which included gas extraction wells. These extraction wells are all part of the active on-going remediation efforts. In accordance with Permit Condition 42.vii., 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 January 2024 data:

- For the monitoring wells, various statistically significant increasing trends were exhibited for chloride, pH, 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 (14-day average) was below 60 gpad.

No significant findings were determined with respect to groundwater for the January 2024 monitoring period. In addition, there were no flow rate exceedances to report for January 2024, per the ALR Contingency Plan. The Landfill will continue to collect data during monthly monitoring events in accordance with Permit No. 0290-S1-R4.

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

A handwritten signature in blue ink that reads "Travis Doll".

Travis Doll
Senior Geologist

Attachments:

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

cc: Jodi Reynolds – WM (PDF via Email)

ATTACHMENT A

Summary Table of Monthly Results

**Monthly Data Summary
January 2024 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	1/17/2024	78	10.8	0.138	974	6.70	1302.14	74.45	1227.69
LGW-3R	1/18/2024	124	4.67	<0.1	84	5.36	1289.20	57.52	1231.68
LGW-4	1/17/2024	149	20.8	<0.1	1216	6.50	1267.79	61.00	1206.79
LGW-5	1/21/2024	124	22.1	0.191	744	6.42	1271.91	72.10	1199.81
LGW-6	1/9/2024	133	17.4	<0.1	720	6.13	1244.79	51.43	1193.36
LGW-7	1/9/2024	113	19.8	<0.1	658	6.33	1220.60	43.59	1177.01
LGW-8R	1/21/2024	122	22.8	<0.1	747	6.49	1186.24	11.10	1175.14
LGW-9	1/9/2024	169	33.6	<0.1	771	6.15	1237.47	53.70	1183.77
LGW-10	1/9/2024	151	24.4	0.101	987	6.15	1240.61	59.43	1181.18
LGW-14R	1/11/2024	39	5.06	<0.1	651	6.71	1250.93	56.86	1194.07
MW-7N	1/11/2024	93	29.3	<0.1	638	6.69	1250.84	87.61	1163.23
MW-15	1/10/2024	278	40.3	<0.1	669	6.27	1291.46	58.85	1232.61
MW-16	1/10/2024	108	3.94	<0.1	381	7.06	1289.70	75.67	1214.03
MW-17	1/7/2024	205	6.35	<0.1	360	6.64	1288.93	60.58	1228.35
MW-19	1/11/2024	92	7.08	<0.1	654	6.57	1293.90	68.10	1225.80
LCS-1	1/4/2024	NA	5430	2880	19542	7.72	NA	NA	NA
LCS-2	1/4/2024	NA	1620	1130	11743	7.03	NA	NA	NA
LCS-3	1/4/2024	NA	1450	213	29176	7.16	NA	NA	NA
LCS-4	1/4/2024	NA	1710	1480	29427	7.01	NA	NA	NA
LCS-5	1/4/2024	NA	1960	2920	37063	7.64	NA	NA	NA
LCS-6	1/4/2024	NA	972	1090	20221	6.87	NA	NA	NA
LCS-7	1/4/2024	NA	1720	1320	29747	7.03	NA	NA	NA
LCS-8	1/4/2024	NA	621 V	516	16070	6.86	NA	NA	NA
LCS-9	1/5/2024	NA	1700	1430	18197	7.33	NA	NA	NA
LCS-10	1/5/2024	NA	519	353	26759	7.31	NA	NA	NA
LCS-11	1/5/2024	NA	2840	2630	27091	7.45	NA	NA	NA
LCS-12	1/5/2024	NA	2120	1970	45713	7.35	NA	NA	NA
LDS-1	1/4/2024	NA	269	16.5	8891	6.54	NA	NA	NA
LDS-2	1/4/2024	NA	382	7.40	7462	6.54	NA	NA	NA
LDS-3	1/4/2024	NA	3930	3090	27584	7.80	NA	NA	NA
LDS-4	1/4/2024	NA	1050	1050	30728	7.09	NA	NA	NA
LDS-5	1/4/2024	NA	838	311	17427	6.97	NA	NA	NA
LDS-6	1/4/2024	NA	1040	181	21783	7.41	NA	NA	NA
LDS-7	1/4/2024	NA	300	217	13836	6.69	NA	NA	NA
LDS-8	1/4/2024	NA	483	410	14431	6.81	NA	NA	NA
LDS-9	1/5/2024	NA	114	12.8	4297	5.96	NA	NA	NA
LDS-10	1/5/2024	NA	1920	1900	15901	6.61	NA	NA	NA
LDS-11	1/5/2024	NA	2370	1970	39746	7.59	NA	NA	NA
LDS-12	1/5/2024	NA	1050	864	29373	6.95	NA	NA	NA
Field Blank	1/7/2024	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 January 8, 2024.

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)
7/18/2006 - 8/1/2006	.130	13.0	6.80 *	599.8 *
8/1/2006 - 8/2/2006	.130	13.0	6.72 *	713.0 *
9/20/2006 - 9/28/2006	.410	13.0	7.15 *	780.0 *
10/24/2006 - 11/3/2006	.140	13.0	7.33 *	607.0 *
11/20/2006 - 11/21/2006	<.100	13.0	7.38 *	262.0 *
12/21/2006 - 12/22/2006		13.0	6.55 *	923.0 *
1/8/2007 - 1/16/2007			6.63 *	902.0 *
1/16/2007 - 1/26/2007	.200	13.0	6.75 *	926.0 *
1/26/2007 - 2/7/2007			6.71	908.0
2/24/2007 - 2/27/2007	.190	14.0	6.71 *	908.0 *
3/26/2007 - 3/27/2007	.200	14.0	6.47 *	918.0 *
4/23/2007 - 4/27/2007	<.100	14.0	6.38 *	1268.0 *
5/31/2007 - 6/1/2007	.160	15.0	6.22 *	1470.0 *
6/28/2007 - 7/12/2007	.118 *	14.0 *	6.45 *	928.5 *
7/12/2007 - 7/13/2007	.150	14.0	6.35	960.0
8/24/2007 - 8/29/2007	.230	15.0	6.93 *	800.2 *
9/27/2007 - 9/28/2007	.200	17.0	7.33 *	708.0 *
10/23/2007 - 10/24/2007	.190	16.0		839.0
11/27/2007 - 11/28/2007	.300	16.0	6.11 *	825.5 *
12/27/2007 - 12/28/2007	.120	18.0	6.10 *	827.7 *
1/22/2008 - 1/26/2008	<.100	18.0	6.67	712.0
2/27/2008 - 2/28/2008	.200	18.0	6.65	929.0
5/29/2008 - 5/30/2008	.410	21.0	6.48 *	795.3 *
6/25/2008 - 6/26/2008	.570	20.0	6.39 *	735.3 *
7/21/2008 - 7/24/2008	.600	20.0	6.48	914.0
8/29/2008	.510	20.0	6.45	920.0
9/25/2008 - 10/1/2008	.710	19.0	6.47	814.0
10/21/2008 - 10/22/2008	.790	21.0		
11/24/2008 - 11/25/2008	.410	20.0	6.56	859.0
12/18/2008 - 12/19/2008	.360	22.0	6.53	855.0
3/25/2009 - 3/26/2009	.420	20.0	6.13	696.0
4/15/2009 - 4/16/2009	.370	21.0	6.01	772.0
5/28/2009 - 5/29/2009	.410	21.0	6.50	937.0
6/24/2009 - 6/25/2009	.450	21.0	6.45	777.0
7/29/2009 - 8/1/2009	.340	22.0	5.49	923.0
8/28/2009 - 8/29/2009	.350	20.0	5.55	810.0
10/20/2009 - 10/26/2009	.380	20.0	6.06	952.0
12/17/2009 - 12/18/2009	.380	21.0	6.33	848.0
1/26/2010 - 2/4/2010	.280 *	20.0 *	6.41 *	778.0 *
2/4/2010 - 2/17/2010	.220	20.0	6.48	862.0
2/17/2010 - 3/3/2010	.300	20.0	6.44	866.0
3/3/2010 - 3/4/2010	.300	20.0	6.44	866.0
4/7/2010 - 4/8/2010	.350	20.0	6.30	955.0
5/5/2010 - 5/6/2010	.360	21.0	7.29	961.0
6/15/2010 - 6/16/2010	.240	14.0	6.50	1005.0
7/12/2010 - 7/16/2010	.290	19.0	6.92	991.0
8/10/2010 - 8/11/2010	.360	19.0	6.44	1001.0
8/31/2010 - 9/2/2010	.260	20.0	6.58	927.0
9/29/2010 - 9/30/2010	.290	19.0	6.35	954.0
11/3/2010 - 11/4/2010	.290	18.0	6.36	904.0
12/2/2010 - 12/3/2010	.210	20.0	6.52	845.0
1/19/2011 - 1/21/2011	.220	20.0	6.53	831.0
2/7/2011 - 2/8/2011	.180	20.0	6.48	904.0
3/3/2011 - 3/4/2011	.220	20.0	6.49	966.0
4/5/2011 - 4/6/2011	.220	20.0	6.61	917.0

* - 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)
5/10/2011 - 5/11/2011	.270	19.0	6.42	902.0
6/1/2011 - 6/2/2011	.260	20.0	6.34	1033.0
7/12/2011 - 7/14/2011	.300	20.0	6.52	981.0
8/3/2011 - 8/4/2011	.210	20.0	6.44	1000.0
9/7/2011 - 9/8/2011	.250	19.0	6.51	943.0
10/5/2011 - 10/6/2011	.270	21.0	6.53	966.0
11/1/2011 - 11/2/2011	.250	19.0	6.45	926.0
12/7/2011 - 12/8/2011	.270	20.0	6.57	960.0
1/4/2012 - 1/6/2012	.300	20.0	6.56	974.0
2/1/2012 - 2/2/2012	.250	19.0	6.42	950.0
3/6/2012 - 3/7/2012	.200	19.0	6.54	936.0
4/5/2012 - 4/6/2012	.270	19.0	6.58	953.0
5/1/2012 - 5/10/2012	.250	19.0	6.78	871.0
6/5/2012 - 6/6/2012	.290	19.0	6.93	760.0
7/9/2012 - 7/12/2012	.140	18.0	6.50	939.0
7/27/2012 - 8/10/2012	<.100	18.0	6.70	801.0
9/4/2012 - 9/5/2012	.240	18.0	6.40	815.0
10/3/2012 - 10/8/2012	.210	18.0	6.63	965.0
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

* - 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)
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
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

* - 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)
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
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
9/1/2023 - 9/2/2023	.107	21.0	6.38	1071.0
10/2/2023 - 10/6/2023	.100	24.2	6.47	1048.0
11/1/2023 - 11/5/2023	.130	23.7	6.30	1209.0
12/6/2023 - 12/8/2023	.125	24.4	6.23	1141.0
1/4/2024 - 1/18/2024	.101	24.4	6.15	987.0

* - 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)
7/18/2006 - 8/1/2006			8.25 *	321.5 *
8/1/2006 - 8/2/2006	<.100	5.10	8.11 *	297.0 *
9/20/2006 - 9/28/2006	<.100	4.10	8.53 *	236.0 *
10/24/2006 - 11/3/2006	<.100	4.90	8.55 *	270.0 *
11/20/2006 - 11/21/2006	<.100	4.40	8.69 *	218.0 *
12/21/2006 - 12/22/2006		4.50	7.00 *	385.0 *
1/8/2007 - 1/16/2007			5.75 *	373.0 *
1/16/2007 - 1/26/2007	<.100	5.30	7.81 *	409.0 *
1/26/2007 - 2/7/2007			7.35	406.0
2/24/2007 - 2/27/2007	<.100	5.90	7.35 *	406.0 *
3/26/2007 - 3/27/2007	<.100	5.50	6.82 *	396.0 *
4/23/2007 - 4/27/2007	<.100	4.70	7.74 *	542.0 *
5/31/2007 - 6/1/2007	<.100	5.40	7.73 *	271.0 *
6/28/2007 - 7/12/2007	<.100 *	4.60 *	7.46 *	388.0 *
8/24/2007 - 8/29/2007	<.100	12.00	7.67 *	383.3 *
9/27/2007 - 9/28/2007	<.100	4.80	7.93 *	386.0 *
10/23/2007 - 10/24/2007	<.100	4.70		385.0
11/27/2007 - 11/28/2007	<.100	5.00	6.47 *	489.5 *
12/27/2007 - 12/28/2007	<.100	4.90	6.56 *	364.7 *
1/22/2008 - 1/26/2008	<.100	4.70	7.88	363.0
2/27/2008 - 2/28/2008	<.100	4.60	7.79	405.0
3/24/2008 - 3/25/2008	<.100	<3.00	7.45 *	355.0 *
5/2/2008 - 5/3/2008	<.100	5.50	7.64 *	356.3 *
5/29/2008 - 5/30/2008	<.100	4.80	7.57 *	374.5 *
6/25/2008 - 6/26/2008	<.100	4.30	7.36 *	285.0 *
7/21/2008 - 7/24/2008	<.100	5.10	7.54	346.0
8/29/2008	<.100	5.80	7.63	305.0
9/25/2008 - 10/1/2008	<.100	4.10	7.73	280.0
10/21/2008 - 10/22/2008	<.100			
11/24/2008 - 11/25/2008	<.100	3.80	7.65	359.0
12/18/2008 - 12/19/2008	.140	4.50	7.77	386.0
2/3/2009 - 2/13/2009	<.100	3.90	8.06	356.0
3/25/2009 - 3/26/2009	<.100	3.50	7.41	371.0
6/24/2009 - 6/25/2009	.100	4.00	7.31	356.0
7/29/2009 - 8/1/2009	<.100	3.50	6.37	322.0
8/28/2009 - 8/29/2009	<.100	3.30	6.26	319.0
10/20/2009 - 10/26/2009	<.100	3.50	6.97	346.0
12/17/2009 - 12/18/2009	<.100	3.50	7.27	345.0
1/26/2010 - 2/4/2010	<.100 *	3.50 *	7.41 *	306.0 *
2/4/2010 - 2/17/2010	<.100	3.40	7.52	304.0
2/17/2010 - 3/3/2010	<.100	3.70	7.35	363.0
3/3/2010 - 3/4/2010	<.100	3.70	7.35	363.0
4/7/2010 - 4/8/2010	<.100	3.50	7.03	359.0
5/5/2010 - 5/6/2010	<.100	4.00	8.31	349.0
6/15/2010 - 6/16/2010	<.100	3.70	7.38	372.0
7/12/2010 - 7/16/2010	<.100	3.50	7.37	330.0
8/10/2010 - 8/11/2010	<.100	3.80	7.30	355.0
8/31/2010 - 9/2/2010	<.100	3.70	7.48	349.0
9/29/2010 - 9/30/2010	<.100	3.70	7.35	335.0
11/3/2010 - 11/4/2010	<.100	3.20	7.37	339.0
12/2/2010 - 12/3/2010	<.100	3.90	7.39	357.0
1/19/2011 - 1/21/2011	<.100	3.70	7.45	347.0
2/7/2011 - 2/8/2011	<.100	3.70	7.46	346.0
3/3/2011 - 3/4/2011	<.100	3.90	7.47	363.0
4/5/2011 - 4/6/2011	<.100	3.80	7.53	331.0

* - 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)
5/10/2011 - 5/11/2011	<.100	3.60	7.38	294.0
6/1/2011 - 6/2/2011	<.100	3.60	7.36	338.0
7/12/2011 - 7/14/2011	<.100	3.90	7.41	322.0
8/3/2011 - 8/4/2011	<.100	3.80	7.40	331.0
9/7/2011 - 9/8/2011	<.100	3.90	7.48	341.0
10/5/2011 - 10/6/2011	<.100	4.10	7.49	345.0
11/1/2011 - 11/2/2011	<.100	3.60	7.46	328.0
12/7/2011 - 12/8/2011	<.100	3.90	7.59	333.0
1/4/2012 - 1/6/2012	<.100	3.80	7.64	309.0
2/1/2012 - 2/2/2012	<.100	3.70	7.43	319.0
3/6/2012 - 3/7/2012	<.100	3.80	7.53	330.0
4/5/2012 - 4/6/2012	<.100	3.90	7.73	319.0
5/1/2012 - 5/10/2012	<.100	4.20	7.92	337.0
6/5/2012 - 6/6/2012	<.100	3.80	8.00	347.0
7/9/2012 - 7/12/2012	<.100	3.80	7.37	352.0
7/27/2012 - 8/10/2012	<.100	3.80	7.52	338.0
9/4/2012 - 9/5/2012	<.100	3.90	7.16	345.0
10/3/2012 - 10/8/2012	<.100	3.90	7.47	371.0
11/6/2012 - 11/8/2012	<.100 *	4.00 *	7.31 *	340.0 *
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

* - 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)
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
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

* - 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)
10/5/2020 - 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
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
9/1/2023 - 9/2/2023	<.100	5.17	6.86	704.0
10/2/2023 - 10/6/2023	<.100	5.64	6.86	750.0
11/1/2023 - 11/5/2023	<.100	5.23	6.76	750.0
12/6/2023 - 12/8/2023	<.100	5.56	6.76	840.0
1/4/2024 - 1/18/2024	<.100	5.06	6.71	651.0

* - 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)
7/18/2006 - 8/1/2006	<.100	9.10	7.58 *	380.0 *
8/1/2006 - 8/2/2006	<.100	9.10	7.58 *	380.0 *
9/20/2006 - 9/28/2006	<.100	7.50	7.90 *	438.7 *
10/24/2006 - 11/3/2006	<.100	7.70	8.18 *	391.0 *
11/20/2006 - 11/21/2006	<.100	7.70	7.81 *	778.0 *
12/21/2006 - 12/22/2006		7.10	7.44 *	550.0 *
1/8/2007 - 1/16/2007			7.33 *	536.0 *
1/16/2007 - 1/26/2007	<.100	7.70	7.41 *	607.0 *
1/26/2007 - 2/7/2007			7.57	584.0
2/24/2007 - 2/27/2007	<.100	7.90	7.57 *	584.0 *
3/26/2007 - 3/27/2007	<.100	7.40	7.15 *	560.0 *
4/23/2007 - 4/27/2007	<.100	6.60	7.03 *	772.0 *
5/31/2007 - 6/1/2007	<.100	9.50	7.15 *	807.0 *
6/28/2007 - 7/12/2007	<.100 *	8.10 *	7.26 *	559.0 *
8/24/2007 - 8/29/2007	<.100 *	6.60	7.55 *	528.0 *
9/27/2007 - 9/28/2007	<.100	7.90	8.13 *	535.7 *
10/23/2007 - 10/24/2007	<.100	8.10	9.61	525.0
11/27/2007 - 11/28/2007	<.100	7.90	6.62 *	505.5 *
12/27/2007 - 12/28/2007	<.100	8.00	6.61 *	501.0 *
1/22/2008 - 1/26/2008	<.100	7.70	7.17 *	495.3 *
2/27/2008 - 2/28/2008	<.100	7.70	7.68	554.0
3/24/2008 - 3/25/2008	<.100	7.80	6.93 *	515.3 *
5/2/2008 - 5/3/2008	<.100	8.10	7.53 *	485.8 *
5/29/2008 - 5/30/2008			6.94 *	526.0 *
6/25/2008 - 6/26/2008	<.100	9.00	6.94 *	505.0 *
7/21/2008 - 7/24/2008	<.100	9.40	7.13	546.0
8/29/2008	<.100	7.70	7.05	545.0
9/25/2008 - 10/1/2008	<.100	8.60	7.30 *	399.0 *
10/21/2008 - 10/22/2008	<.100	8.70	7.35	537.0
11/24/2008 - 11/25/2008	<.100	8.50	7.36	551.0
12/18/2008 - 12/19/2008	.180	10.00	7.57	560.0
2/3/2009 - 2/13/2009	<.100	8.40	7.33 *	545.5 *
3/25/2009 - 3/26/2009	<.100	7.90	7.34	543.0
4/15/2009 - 4/16/2009	<.100	9.60	7.01	555.0
5/28/2009 - 5/29/2009	<.100	8.40	7.60	559.0
6/24/2009 - 6/25/2009	.100	8.90	7.31	561.0
7/29/2009 - 8/1/2009	<.100	8.70	6.61	560.0
8/28/2009 - 8/29/2009	<.100	8.50	6.46	567.0
9/29/2009 - 9/30/2009	<.100	8.80	6.21	569.0
10/20/2009 - 10/26/2009	<.100	9.70	6.86	562.0
11/23/2009 - 11/25/2009	.120	9.70	6.85	555.0
12/17/2009 - 12/18/2009	<.100	10.00	6.86	584.0
1/26/2010 - 2/4/2010	<.100 *	9.40 *	7.16 *	606.0 *
2/4/2010 - 2/17/2010	.090	9.70	6.79	548.0
2/17/2010 - 3/3/2010	.090	9.70	6.79	548.0
3/3/2010 - 3/4/2010	<.100	9.80	7.30	582.0
4/7/2010 - 4/8/2010	<.100	8.60	7.12	600.0
5/5/2010 - 5/6/2010	<.100	9.90	8.06	580.0
6/15/2010 - 6/16/2010	<.100	12.00	7.11	644.0
7/12/2010 - 7/16/2010	<.100	9.10	7.08	598.0
8/10/2010 - 8/11/2010	<.100	9.40	7.06	615.0
8/31/2010 - 9/2/2010	<.100	9.50	7.35	589.0
9/29/2010 - 9/30/2010	<.100	9.40	7.03	606.0
11/3/2010 - 11/4/2010	<.100	8.10	6.95	614.0
12/2/2010 - 12/3/2010	<.100	9.50	7.08	632.0

* - 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)
1/19/2011 - 1/21/2011	<.100	9.30	6.76	622.0
2/7/2011 - 2/8/2011	<.100	9.10	7.04	609.0
3/3/2011 - 3/4/2011	<.100	8.70	7.10	647.0
4/5/2011 - 4/6/2011	.130	9.20	7.20	592.0
5/10/2011 - 5/11/2011	<.100	9.10	6.95	541.0
6/1/2011 - 6/2/2011	<.100	9.00	6.86	632.0
7/12/2011 - 7/14/2011	<.100	9.80	7.09	586.0
8/3/2011 - 8/4/2011	<.100	9.70	6.98	601.0
9/7/2011 - 9/8/2011	<.100	9.70	7.07	607.0
10/5/2011 - 10/6/2011	<.100	10.00	7.09	607.0
11/1/2011 - 11/2/2011	<.100	8.90	6.89	575.0
12/7/2011 - 12/8/2011	<.100	8.90	7.12	598.0
1/4/2012 - 1/6/2012	<.100	9.60	7.13	593.0
2/1/2012 - 2/2/2012	<.100	8.90	6.84	582.0
3/6/2012 - 3/7/2012	<.100	9.40	7.01	595.0
4/5/2012 - 4/6/2012	<.100	9.10	6.97	579.0
5/1/2012 - 5/10/2012	<.100	9.00	7.22	553.0
6/5/2012 - 6/6/2012	.110	8.90	7.22	566.0
7/9/2012 - 7/12/2012	<.100	9.30	7.05	609.0
7/27/2012 - 8/10/2012	<.100	8.80	6.71	589.0
9/4/2012 - 9/5/2012	<.100	9.00	6.71	603.0
10/3/2012 - 10/8/2012	<.100	9.20	7.13	635.0
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

* - 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)
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
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 *

* - 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)
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
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
9/1/2023 - 9/2/2023	<.100	10.40	6.89	699.0
10/2/2023 - 10/6/2023	<.100	11.30	6.73	708.0
11/1/2023 - 11/5/2023	<.100	10.90	6.73	817.0
12/6/2023 - 12/8/2023	<.100	11.10	6.69	839.0
1/4/2024 - 1/18/2024	.138	10.80	6.70	974.0

* - 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)
7/18/2006 - 8/1/2006	<.100	45.00	7.33 *	276.0 *
9/20/2006 - 9/28/2006	<.100	15.00	7.38 *	233.0 *
10/24/2006 - 11/3/2006	<.100	31.00	7.69 *	455.0 *
11/20/2006 - 11/21/2006	<.100	25.00	7.92 *	161.9 *
12/21/2006 - 12/22/2006		15.00	7.08 *	465.0 *
1/8/2007 - 1/16/2007			6.85 *	478.0 *
1/16/2007 - 1/26/2007	<.100	11.00	7.29 *	385.0 *
1/26/2007 - 2/7/2007			7.38	384.0
2/24/2007 - 2/27/2007	<.100	11.00	7.38 *	384.0 *
3/26/2007 - 3/27/2007	<.100	10.00	6.81 *	458.0 *
4/23/2007 - 4/27/2007	<.100	24.00	6.82 *	747.0 *
5/31/2007 - 6/1/2007	<.100	35.00	6.77 *	852.0 *
6/28/2007 - 7/12/2007	<.100 *	25.00 *	6.85 *	517.0 *
8/24/2007 - 8/29/2007	<.100	38.00	7.21 *	569.0 *
9/27/2007 - 9/28/2007	<.100	41.00	7.40	586.0
10/23/2007 - 10/24/2007	<.100	43.00	9.56	602.0
11/27/2007 - 11/28/2007	<.100	44.00	6.37 *	587.5 *
12/27/2007 - 12/28/2007	<.100	42.00	6.60 *	579.3 *
1/22/2008 - 1/26/2008	<.100	42.00	6.68 *	570.4 *
2/27/2008 - 2/28/2008	<.100	15.00	7.21	433.0
3/24/2008 - 3/25/2008	<.100	11.00	6.68 *	290.3 *
5/2/2008 - 5/3/2008	<.100	5.20	7.14 *	182.8 *
5/29/2008 - 5/30/2008			7.01 *	279.5 *
6/25/2008 - 6/26/2008	<.100	7.30	6.73 *	283.5 *
7/21/2008 - 7/24/2008	<.100	6.10	6.67	257.0
8/29/2008	<.100	11.00	6.78	339.0
9/25/2008 - 10/1/2008	<.100	8.30	7.04 *	325.0 *
10/21/2008 - 10/22/2008	<.100	13.00	7.21	362.0
11/24/2008 - 11/25/2008	<.100	20.00	6.99	427.0
12/18/2008 - 12/19/2008	<.100	25.00	6.98	458.0
2/3/2009 - 2/13/2009	<.100	24.00	6.97	438.0
3/25/2009 - 3/26/2009	<.100	26.00	6.80	448.0
4/15/2009 - 4/16/2009	<.100	17.00	6.31	373.0
5/28/2009 - 5/29/2009	<.100	6.20	7.41	248.0
6/24/2009 - 6/25/2009	<.100	9.50	7.03	318.0
7/29/2009 - 8/1/2009	<.100	16.00	6.06	382.0
8/28/2009 - 8/29/2009	<.100	22.00	5.90	433.0
9/29/2009 - 9/30/2009	<.100	28.00	5.82	473.0
10/20/2009 - 10/26/2009	<.100	16.00	6.41	393.0
11/23/2009 - 11/25/2009	<.100	14.00	6.49	366.0
12/17/2009 - 12/18/2009	<.100	20.00	6.75	416.0
1/26/2010 - 2/4/2010	<.100 *	29.00 *	6.73 *	462.0 *
2/4/2010 - 2/17/2010	.085	25.00	6.95	428.0
2/17/2010 - 3/3/2010	.061 *	25.50 *	6.88 *	442.5 *
3/3/2010 - 3/4/2010	.037	26.00	6.81	457.0
4/7/2010 - 4/8/2010	<.100	16.00	6.87	383.0
5/5/2010 - 5/6/2010	<.100	21.00	7.89	408.0
6/15/2010 - 6/16/2010	<.100	18.00	6.96	436.0
7/12/2010 - 7/16/2010	<.100	11.00	6.80	323.0
8/10/2010 - 8/11/2010	.130	13.00	6.73	369.0
8/31/2010 - 9/2/2010	<.100	18.00	6.95	411.0
9/29/2010 - 9/30/2010	<.100	22.00	6.75	431.0
11/3/2010 - 11/4/2010	<.100	25.00	6.77	472.0
12/2/2010 - 12/3/2010	<.100	35.00	6.81	549.0
1/19/2011 - 1/21/2011	<.100	40.00	6.86	602.0

* - 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)
2/7/2011 - 2/8/2011	<.100	40.00	6.82	606.0
3/3/2011 - 3/4/2011	<.100	39.00	6.86	633.0
4/5/2011 - 4/6/2011	<.100	40.00	6.97	575.0
5/10/2011 - 5/11/2011	<.100	11.00	6.82	269.0
6/1/2011 - 6/2/2011	.150	6.90	6.65	245.0
7/12/2011 - 7/14/2011	<.100	10.00	6.85	322.0
8/3/2011 - 8/4/2011	<.100	14.00	6.81	377.0
9/7/2011 - 9/8/2011	<.100	20.00	6.93	441.0
10/5/2011 - 10/6/2011	<.100	27.00	7.00	480.0
11/1/2011 - 11/2/2011	<.100	28.00	6.90	494.0
12/7/2011 - 12/8/2011	<.100	28.00	7.08	472.0
1/4/2012 - 1/6/2012	<.100	24.00	7.06	458.0
2/1/2012 - 2/2/2012	<.100	27.00	6.84	466.0
3/6/2012 - 3/7/2012	<.100	30.00	7.07	497.0
4/5/2012 - 4/6/2012	<.100	17.00	7.21	367.0
5/1/2012 - 5/10/2012	<.100	21.00	7.27	393.0
6/5/2012 - 6/6/2012	<.100	30.00	7.22	476.0
7/9/2012 - 7/12/2012	<.100	34.00	7.03	558.0
7/27/2012 - 8/10/2012	<.100	33.00	6.94	550.0
9/4/2012 - 9/5/2012	<.100	35.00	6.72	577.0
11/6/2012 - 11/8/2012	<.100	34.00	6.99	616.0
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

* - 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)
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 *
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

* - 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)
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
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
9/1/2023 - 9/2/2023	<.100	24.80	5.27	116.0
10/2/2023 - 10/6/2023	<.100	4.93	5.09	115.0
11/1/2023 - 11/5/2023	<.100	4.60	5.22	131.0
12/6/2023 - 12/8/2023	<.100	4.57	5.19	140.0
1/4/2024 - 1/18/2024	<.100	4.67	5.36	84.0
1/18/2024 - 1/21/2024	<.100	4.67	5.36	84.0

* - 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)
7/18/2006 - 8/1/2006	.110	20.00	7.54 *	228.0 *
9/20/2006 - 9/28/2006	<.100	11.00	7.73 *	300.0 *
10/24/2006 - 11/3/2006	<.100	19.00	7.90 *	386.0 *
11/20/2006 - 11/21/2006	<.100	15.00	7.96 *	161.0 *
12/21/2006 - 12/22/2006		12.00	7.25 *	484.0 *
1/8/2007 - 1/16/2007			7.30 *	468.0 *
1/16/2007 - 1/26/2007	<.100	8.70	7.49 *	453.0 *
1/26/2007 - 2/7/2007			7.48	441.0
2/24/2007 - 2/27/2007	<.100	9.90	7.48 *	441.0 *
3/26/2007 - 3/27/2007	<.100	9.70	7.01 *	474.0 *
4/23/2007 - 4/27/2007	<.100	13.00	6.91 *	680.0 *
5/31/2007 - 6/1/2007	<.100	19.00	7.19 *	738.0 *
6/28/2007 - 7/12/2007	<.100 *	12.00 *	7.05 *	470.0 *
8/24/2007 - 8/29/2007	<.100	20.00	7.38 *	610.8 *
9/27/2007 - 9/28/2007	<.100	20.00	7.58 *	497.3 *
10/23/2007 - 10/24/2007	<.100	19.00	9.57	487.0
11/27/2007 - 11/28/2007	<.100	21.00	6.52 *	473.3 *
12/27/2007 - 12/28/2007	<.100	21.00	6.70 *	474.7 *
1/22/2008 - 1/26/2008	<.100	22.00	7.20	473.0
2/27/2008 - 2/28/2008	<.100	14.00	7.28	457.0
3/24/2008 - 3/25/2008	<.100	8.90	6.94 *	322.3 *
5/2/2008 - 5/3/2008	<.100	6.40	7.34 *	316.3 *
5/29/2008 - 5/30/2008			7.35 *	376.0 *
7/21/2008 - 7/24/2008	<.100	8.50	6.86	358.0
8/29/2008	<.100	10.00	8.23	393.0
9/25/2008 - 10/1/2008	<.100	6.80	7.29 *	393.0 *
10/21/2008 - 10/22/2008	.130	11.00	7.15	398.0
11/24/2008 - 11/25/2008	<.100	13.00	7.17	420.0
12/18/2008 - 12/19/2008	.140	16.00	7.10	433.0
2/3/2009 - 2/13/2009	<.100	15.00	7.29	403.0
3/25/2009 - 3/26/2009	<.100	10.00	6.90	403.0
4/15/2009 - 4/16/2009	<.100	10.00	6.61	376.0
5/28/2009 - 5/29/2009	<.100	5.70	7.47	373.0
6/24/2009 - 6/25/2009	.100	9.50	7.14	377.0
7/29/2009 - 8/1/2009	<.100	12.00	6.07	398.0
8/28/2009 - 8/29/2009	<.100	14.00	5.93	411.0
10/20/2009 - 10/26/2009	<.100	11.00	6.47	383.0
11/23/2009 - 11/25/2009	<.100	11.00	6.65	380.0
1/26/2010 - 2/4/2010	<.100 *	17.00 *	7.05 *	408.0 *
2/4/2010 - 2/17/2010	.088	16.00	7.07	405.0
2/17/2010 - 3/3/2010	.058 *	16.50 *	7.07 *	418.0 *
3/3/2010 - 3/4/2010	.027	17.00	7.06	431.0
4/7/2010 - 4/8/2010	<.100	12.00	6.99	395.0
5/5/2010 - 5/6/2010	<.100	14.00	8.20	394.0
6/15/2010 - 6/16/2010	<.100	20.00	7.36	407.0
7/12/2010 - 7/16/2010	<.100	9.30	6.96	339.0
8/10/2010 - 8/11/2010	<.100	11.00	7.01	370.0
8/31/2010 - 9/2/2010	<.100	13.00	7.13	396.0
9/29/2010 - 9/30/2010	<.100	12.00	7.05	393.0
11/3/2010 - 11/4/2010	<.100	14.00	7.06	420.0
12/2/2010 - 12/3/2010	<.100	19.00	7.05	454.0
1/19/2011 - 1/21/2011	<.100	21.00	7.06	475.0
2/7/2011 - 2/8/2011	<.100	21.00	7.05	477.0
3/3/2011 - 3/4/2011	<.100	22.00	7.07	515.0
4/5/2011 - 4/6/2011	<.100	21.00	7.22	458.0

* - 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)
5/10/2011 - 5/11/2011	<.100	9.40	7.23	278.0
6/1/2011 - 6/2/2011	<.100	9.00	7.05	331.0
7/12/2011 - 7/14/2011	<.100	8.20	7.42	358.0
8/3/2011 - 8/4/2011	<.100	11.00	7.13	369.0
9/7/2011 - 9/8/2011	<.100	14.00	7.21	398.0
10/5/2011 - 10/6/2011	<.100	16.00	7.27	408.0
11/1/2011 - 11/2/2011	<.100	16.00	7.06	408.0
12/7/2011 - 12/8/2011	<.100	16.00	7.35	393.0
1/4/2012 - 1/6/2012	.100	17.00	7.28	395.0
2/1/2012 - 2/2/2012	<.100	17.00	7.07	405.0
3/6/2012 - 3/7/2012	<.100	18.00	7.28	418.0
4/5/2012 - 4/6/2012	<.100	13.00	7.47	361.0
5/1/2012 - 5/10/2012	<.100	14.00	7.71	362.0
6/5/2012 - 6/6/2012	<.100	17.00	7.45	392.0
7/9/2012 - 7/12/2012	<.100	19.00	7.28	450.0
7/27/2012 - 8/10/2012	<.100	18.00	7.16	443.0
9/4/2012 - 9/5/2012	<.100	17.00	6.92	424.0
10/3/2012 - 10/8/2012	<.100	19.00	7.40	471.0
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

* - 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)
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
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

* - 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)
1/13/2021 - 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
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
9/1/2023 - 9/2/2023	<.100	18.60	6.62	876.0
10/2/2023 - 10/6/2023	<.100	20.30	6.47	924.0
11/1/2023 - 11/5/2023	<.100	20.00	6.53	925.0
12/6/2023 - 12/8/2023	<.100	20.70	6.54	1039.0
1/4/2024 - 1/18/2024	<.100	20.80	6.50	1216.0

* - 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)
7/18/2006 - 8/1/2006	<.100	13.0	7.84 *	365.6 *
8/1/2006 - 8/2/2006	<.100	13.0	7.73 *	340.0 *
9/20/2006 - 9/28/2006	<.100	12.0	7.94 *	338.0 *
10/24/2006 - 11/3/2006	<.100	12.0	8.20 *	343.0 *
11/20/2006 - 11/21/2006	<.100	12.0	7.99 *	168.3 *
12/21/2006 - 12/22/2006		14.0	7.16 *	491.0 *
1/8/2007 - 1/16/2007			7.38 *	495.0 *
1/16/2007 - 1/26/2007	<.100	13.0	7.50 *	478.0 *
1/26/2007 - 2/7/2007			7.42	490.0
2/24/2007 - 2/27/2007	<.100	13.0	7.42 *	490.0 *
3/26/2007 - 3/27/2007	<.100	13.0	6.97 *	475.0 *
4/23/2007 - 4/27/2007	<.100	13.0	6.90 *	663.0 *
5/31/2007 - 6/1/2007	<.100	14.0	6.88 *	339.0 *
6/28/2007 - 7/12/2007	<.100 *	12.5 *	7.17 *	473.0 *
8/24/2007 - 8/29/2007	<.100	14.0	7.42 *	472.3 *
9/27/2007 - 9/28/2007	<.100	11.0	8.03 *	533.3 *
10/23/2007 - 10/24/2007	<.100	14.0		433.0
11/27/2007 - 11/28/2007	<.100	13.0	6.73 *	410.0 *
12/27/2007 - 12/28/2007	<.100	9.1	6.85 *	395.3 *
1/22/2008 - 1/26/2008	<.100	9.6	7.96	417.0
2/27/2008 - 2/28/2008	<.100	13.0	7.59	457.0
3/24/2008 - 3/25/2008	<.100	12.0	6.97 *	391.8 *
5/2/2008 - 5/3/2008	<.100	11.0	7.44 *	348.3 *
5/29/2008 - 5/30/2008		11.0	7.17 *	401.0 *
6/25/2008 - 6/26/2008	<.100	11.0	6.91 *	369.5 *
7/21/2008 - 7/24/2008	<.100	10.0	6.74	399.0
9/25/2008 - 10/1/2008	<.100	9.6	7.03 *	396.0 *
10/21/2008 - 10/22/2008	<.100	11.0	6.92	394.0
11/24/2008 - 11/25/2008	<.100	11.0	7.12	411.0
12/18/2008 - 12/19/2008	.120	13.0	7.07	420.0
2/3/2009 - 2/13/2009	<.100	13.0	7.24	420.0
3/25/2009 - 3/26/2009	<.100	12.0	6.67	421.0
4/15/2009 - 4/16/2009	<.100	13.0	6.84	411.0
5/28/2009 - 5/29/2009	<.100	11.0	7.35	391.0
6/24/2009 - 6/25/2009	.100	11.0	7.10	389.0
7/29/2009 - 8/1/2009	<.100	11.0	5.92	395.0
8/28/2009 - 8/29/2009	<.100	12.0	6.05	407.0
9/29/2009 - 9/30/2009	<.100	13.0	5.98	415.0
10/20/2009 - 10/26/2009	<.100	11.0	6.51	395.0
11/23/2009 - 11/25/2009	<.100	11.0	6.67	384.0
12/17/2009 - 12/18/2009	<.100	12.0	6.78	396.0
1/26/2010 - 2/4/2010	<.100 *	14.0 *	6.91 *	402.0 *
2/4/2010 - 2/17/2010	.088	14.0	7.16	398.0
2/17/2010 - 3/3/2010	.063	14.0	7.08	418.0
3/3/2010 - 3/4/2010	.063	14.0	7.08	418.0
4/7/2010 - 4/8/2010	<.100	12.0	6.81	423.0
5/5/2010 - 5/6/2010	<.100	13.0	7.81	388.0
6/15/2010 - 6/16/2010	<.100	24.0	7.11	418.0
7/12/2010 - 7/16/2010	<.100	12.0	7.05	388.0
8/10/2010 - 8/11/2010	<.100	11.0	7.00	384.0
8/31/2010 - 9/2/2010	<.100	12.0	7.15	390.0
9/29/2010 - 9/30/2010	<.100	11.0	6.91	380.0
11/3/2010 - 11/4/2010	<.100	11.0	6.99	392.0
12/2/2010 - 12/3/2010	<.100	14.0	7.03	426.0
1/19/2011 - 1/21/2011	<.100	15.0	7.05	432.0

* - 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)
2/7/2011 - 2/8/2011	<.100	16.0	7.06	439.0
3/3/2011 - 3/4/2011	<.100	17.0	7.08	470.0
4/5/2011 - 4/6/2011	<.100	17.0	7.19	427.0
5/10/2011 - 5/11/2011	<.100	11.0	7.06	316.0
6/1/2011 - 6/2/2011	<.100	11.0	7.00	362.0
7/12/2011 - 7/14/2011	<.100	11.0	7.08	350.0
8/3/2011 - 8/4/2011	<.100	12.0	7.06	368.0
9/7/2011 - 9/8/2011	<.100	12.0	7.20	381.0
10/5/2011 - 10/6/2011	<.100	13.0	7.28	382.0
11/1/2011 - 11/2/2011	<.100	12.0	7.22	377.0
12/7/2011 - 12/8/2011	<.100	12.0	7.31	366.0
1/4/2012 - 1/6/2012	<.100	13.0	7.29	358.0
2/1/2012 - 2/2/2012	<.100	13.0	7.06	361.0
3/6/2012 - 3/7/2012	<.100	14.0	7.34	373.0
4/5/2012 - 4/6/2012	<.100	13.0	7.58	350.0
5/1/2012 - 5/10/2012	<.100	13.0	7.78	343.0
6/5/2012 - 6/6/2012	.160	14.0	7.87	373.0
7/9/2012 - 7/12/2012	<.100	15.0	7.21	410.0
7/27/2012 - 8/10/2012	<.100	15.0	7.21	412.0
9/4/2012 - 9/5/2012	<.100	15.0	6.90	407.0
10/3/2012 - 10/8/2012	<.100	14.0	7.35	416.0
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

* - 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)
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
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 *

* - 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)
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
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
9/1/2023 - 9/2/2023	.235	30.6	6.28	948.0
10/2/2023 - 10/6/2023	.260	31.0	6.32	1049.0
11/1/2023 - 11/5/2023	.102	28.9	6.30	1065.0
12/6/2023 - 12/8/2023	.106	25.8	6.37	1085.0
1/18/2024 - 1/21/2024	.191	22.1	6.42	744.0

* - 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)
7/18/2006 - 8/1/2006	<.100	14.0	7.53 *	196.0 *
9/20/2006 - 9/28/2006	<.100	14.0	7.85 *	382.0 *
10/24/2006 - 11/3/2006	<.100	14.0	7.91 *	395.0 *
11/20/2006 - 11/21/2006	<.100	15.0	7.78 *	393.0 *
12/21/2006 - 12/22/2006		15.0	7.10 *	487.0 *
1/8/2007 - 1/16/2007			7.33 *	516.0 *
1/16/2007 - 1/26/2007	<.100	13.0	7.31 *	442.0 *
1/26/2007 - 2/7/2007			7.38	533.0
2/24/2007 - 2/27/2007		15.0	7.38 *	533.0 *
3/26/2007 - 3/27/2007	<.100	14.0	6.77 *	418.0 *
4/23/2007 - 4/27/2007	<.100	13.0	7.02 *	651.0 *
5/31/2007 - 6/1/2007	<.100	13.0	7.29 *	621.0 *
6/28/2007 - 7/12/2007	<.100 *	12.5 *	6.77 *	433.5 *
8/24/2007 - 8/29/2007	<.100	12.0	7.38 *	415.0 *
9/27/2007 - 9/28/2007	<.100	13.0	7.37	412.0
10/23/2007 - 10/24/2007	<.100	13.0	8.97	410.0
11/27/2007 - 11/28/2007	<.100	12.0	6.41 *	445.0 *
12/27/2007 - 12/28/2007	<.100	12.0	6.69 *	471.7 *
1/22/2008 - 1/26/2008	<.100	12.0	7.38	469.0
2/27/2008 - 2/28/2008	<.100	13.0	7.22	473.0
3/24/2008 - 3/25/2008	<.100	13.0	6.84 *	435.0 *
5/2/2008 - 5/3/2008	<.100	15.0	7.29 *	377.0 *
5/29/2008 - 5/30/2008		12.0	7.32 *	483.5 *
6/25/2008 - 6/26/2008	<.100	12.0	6.89 *	430.5 *
7/21/2008 - 7/24/2008	<.100	13.0	6.65	392.0
8/29/2008	<.100	15.0	7.13	393.0
9/25/2008 - 10/1/2008	<.100	14.0	7.15 *	520.0 *
10/21/2008 - 10/22/2008	<.100	13.0	6.82	396.0
11/24/2008 - 11/25/2008	<.100	12.0	7.01	407.0
12/18/2008 - 12/19/2008	.160	13.0	7.12	426.0
2/3/2009 - 2/13/2009	<.100	12.0	6.98	404.0
3/25/2009 - 3/26/2009	<.100	11.0	6.57	406.0
5/28/2009 - 5/29/2009	<.100	12.0	7.56	427.0
6/24/2009 - 6/25/2009	.100	13.0	7.04	518.0
7/29/2009 - 8/1/2009	<.100	12.0	5.94	386.0
8/28/2009 - 8/29/2009	<.100	11.0	5.97	392.0
9/29/2009 - 9/30/2009	<.100	12.0	5.86	402.0
10/20/2009 - 10/26/2009	<.100	11.0	6.47	395.0
11/23/2009 - 11/25/2009	<.100	11.0	6.61	378.0
12/17/2009 - 12/18/2009	<.100	11.0	6.65	382.0
1/26/2010 - 2/4/2010	<.100 *	11.0 *	6.71 *	369.0 *
2/4/2010 - 2/17/2010	.085	11.0	6.98	381.0
2/17/2010 - 3/3/2010	<.100	12.0	6.99	396.0
3/3/2010 - 3/4/2010	<.100	12.0	6.99	396.0
4/7/2010 - 4/8/2010	<.100	11.0	6.95	455.0
5/5/2010 - 5/6/2010	<.100	12.0	7.85	403.0
6/15/2010 - 6/16/2010	<.100	9.5	7.30	540.0
7/12/2010 - 7/16/2010	<.100	12.0	7.03	434.0
8/10/2010 - 8/11/2010	<.100	12.0	6.97	412.0
8/31/2010 - 9/2/2010	<.100	13.0	7.27	476.0
9/29/2010 - 9/30/2010	<.100	12.0	6.99	436.0
11/3/2010 - 11/4/2010	<.100	10.0	7.02	414.0
12/2/2010 - 12/3/2010	<.100	12.0	7.00	426.0
1/19/2011 - 1/21/2011	<.100	11.0	7.02	423.0
2/7/2011 - 2/8/2011	<.100	11.0	7.15	461.0

* - 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)
3/3/2011 - 3/4/2011	<.100	11.0	7.04	448.0
4/5/2011 - 4/6/2011	.110	12.0	7.24	416.0
5/10/2011 - 5/11/2011	<.100	12.0	7.15	380.0
6/1/2011 - 6/2/2011	<.100	12.0	7.06	424.0
7/12/2011 - 7/14/2011	<.100	12.0	6.97	373.0
8/3/2011 - 8/4/2011	<.100	13.0	7.05	397.0
9/7/2011 - 9/8/2011	<.100	12.0	7.20	414.0
10/5/2011 - 10/6/2011	<.100	13.0	7.30	429.0
11/1/2011 - 11/2/2011	<.100	11.0	7.23	403.0
12/7/2011 - 12/8/2011	<.100	12.0	7.41	405.0
1/4/2012 - 1/6/2012	<.100	12.0	7.28	394.0
2/1/2012 - 2/2/2012	<.100	12.0	7.26	401.0
3/6/2012 - 3/7/2012	<.100	12.0	7.40	411.0
4/5/2012 - 4/6/2012	<.100	13.0	7.57	389.0
5/1/2012 - 5/10/2012	<.100	13.0	7.93	418.0
6/5/2012 - 6/6/2012	<.100	13.0	7.84	406.0
7/9/2012 - 7/12/2012	<.100	12.0	7.25	422.0
7/27/2012 - 8/10/2012	<.100	12.0	7.47	435.0
9/4/2012 - 9/5/2012	<.100	12.0	7.08	428.0
10/3/2012 - 10/8/2012	<.100	13.0	7.49	456.0
11/6/2012 - 11/8/2012	<.100 *	13.0 *	7.51 *	428.0 *
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

* - 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)
12/3/2015 - 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
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 *

* - 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)
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 *
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
9/1/2023 - 9/2/2023	<.100	15.3	6.31	839.0
10/2/2023 - 10/6/2023	<.100	17.2	6.34	868.0
11/1/2023 - 11/5/2023	<.100	16.9	6.24	902.0
12/6/2023 - 12/8/2023	<.100	17.4	6.23	1020.0
1/4/2024 - 1/18/2024	<.100	17.4	6.13	720.0

* - 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)
7/18/2006 - 8/1/2006	<.100	13.0	7.84 *	357.2 *
8/1/2006 - 8/2/2006	<.100	13.0	7.66 *	330.0 *
9/20/2006 - 9/28/2006	<.100	11.0	7.99 *	323.0 *
10/24/2006 - 11/3/2006	<.100	12.0	8.11 *	318.0 *
11/20/2006 - 11/21/2006	<.100	12.0	8.18 *	208.0 *
12/21/2006 - 12/22/2006		12.0	7.17 *	435.0 *
1/8/2007 - 1/16/2007			7.09 *	426.0 *
1/16/2007 - 1/26/2007	<.100	11.0	7.58 *	426.0 *
1/26/2007 - 2/7/2007			7.46	431.0
2/24/2007 - 2/27/2007	<.100	16.0	7.46 *	431.0 *
3/26/2007 - 3/27/2007	<.100	12.0	7.11 *	442.0 *
4/23/2007 - 4/27/2007	<.100	11.0	6.84 *	618.0 *
5/31/2007 - 6/1/2007	<.100	13.0	7.11 *	621.0 *
6/28/2007 - 7/12/2007	<.100 *	10.5 *	7.01 *	412.0 *
7/12/2007 - 7/13/2007	<.100	10.0	6.84	405.0
8/24/2007 - 8/29/2007	<.100	9.2	7.22 *	391.0 *
9/27/2007 - 9/28/2007	<.100	11.0	7.62	405.0
10/23/2007 - 10/24/2007	<.100	10.0	9.70	387.0
11/27/2007 - 11/28/2007	<.100	10.0	6.34 *	389.5 *
12/27/2007 - 12/28/2007	<.100	11.0	6.62 *	397.8 *
1/22/2008 - 1/26/2008	<.100	11.0	7.20	406.0
2/27/2008 - 2/28/2008	<.100	10.0	7.23	428.0
3/24/2008 - 3/25/2008	<.100	11.0	6.79 *	378.0 *
5/2/2008 - 5/3/2008	<.100	10.0	7.15 *	342.5 *
5/29/2008 - 5/30/2008		11.0	7.14 *	399.0 *
6/25/2008 - 6/26/2008	<.100	11.0	6.96 *	377.5 *
7/21/2008 - 7/24/2008	<.100	11.0	6.77	388.0
9/25/2008 - 10/1/2008	<.100	10.0	7.05 *	398.0 *
10/21/2008 - 10/22/2008	<.100	11.0	6.89	390.0
11/24/2008 - 11/25/2008	<.100	10.0	6.87	388.0
12/18/2008 - 12/19/2008	.120	11.0	7.12	399.0
2/3/2009 - 2/13/2009	<.100	10.0	7.26	392.0
3/25/2009 - 3/26/2009	<.100	9.9	6.75	406.0
4/15/2009 - 4/16/2009	<.100	10.0	6.39	384.0
5/28/2009 - 5/29/2009	<.100	9.9	7.25	381.0
6/24/2009 - 6/25/2009	.100	10.0	7.05	386.0
7/29/2009 - 8/1/2009	<.100	10.0	6.34	384.0
8/28/2009 - 8/29/2009	<.100	10.0	5.97	384.0
9/29/2009 - 9/30/2009	<.100	10.0	5.83	387.0
10/20/2009 - 10/26/2009	<.100	9.8	6.36	378.0
11/23/2009 - 11/25/2009	<.100	9.9	6.55	362.0
12/17/2009 - 12/18/2009	<.100	10.0	6.63	373.0
1/26/2010 - 2/4/2010	<.100	10.0	6.78	370.0
2/4/2010 - 2/17/2010	.150	10.0	6.91	361.0
2/17/2010 - 3/3/2010	<.100	9.8	6.82	364.0
3/3/2010 - 3/4/2010	<.100	9.8	6.82	364.0
4/7/2010 - 4/8/2010	<.100	9.3	6.68	388.0
5/5/2010 - 5/6/2010	<.100	9.9	7.78	362.0
6/15/2010 - 6/16/2010	<.100	20.0	6.77	384.0
7/12/2010 - 7/16/2010	<.100	9.6	6.74	363.0
8/10/2010 - 8/11/2010	<.100	9.8	6.72	370.0
8/31/2010 - 9/2/2010	<.100	10.0	6.88	374.0
9/29/2010 - 9/30/2010	<.100	10.0	6.68	376.0
11/3/2010 - 11/4/2010	<.100	9.0	6.69	376.0
12/2/2010 - 12/3/2010	<.100	11.0	6.76	400.0

* - 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)
1/19/2011 - 1/21/2011	<.100	11.0	6.82	404.0
2/7/2011 - 2/8/2011	.200	10.0	6.84	403.0
3/3/2011 - 3/4/2011	<.100	11.0	6.84	432.0
4/5/2011 - 4/6/2011	<.100	11.0	6.99	397.0
5/10/2011 - 5/11/2011	<.100	9.6	6.77	335.0
6/1/2011 - 6/2/2011	<.100	9.7	6.67	381.0
7/12/2011 - 7/14/2011	<.100	10.0	6.72	371.0
8/3/2011 - 8/4/2011	<.100	11.0	6.83	384.0
9/7/2011 - 9/8/2011	<.100	11.0	6.84	388.0
10/5/2011 - 10/6/2011	.200	12.0	6.94	403.0
11/1/2011 - 11/2/2011	<.100	10.0	6.85	390.0
12/7/2011 - 12/8/2011	<.100	10.0	7.13	385.0
1/4/2012 - 1/6/2012	<.100	11.0	6.92	335.0
2/1/2012 - 2/2/2012	<.100	10.0	6.83	372.0
3/6/2012 - 3/7/2012	<.100	11.0	6.96	388.0
4/5/2012 - 4/6/2012	<.100	11.0	7.15	377.0
5/1/2012 - 5/10/2012	<.100	11.0	7.38	368.0
6/5/2012 - 6/6/2012	.130	11.0	7.94	388.0
7/9/2012 - 7/12/2012	<.100	12.0	7.03	439.0
7/27/2012 - 8/10/2012	<.100	11.0	7.21	445.0
9/4/2012 - 9/5/2012	.140	12.0	6.81	455.0
10/3/2012 - 10/8/2012	<.100	12.0	7.32	477.0
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

* - 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)
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
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

* - 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)
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
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
9/1/2023 - 9/2/2023	<.100	14.0	6.77	708.0
10/2/2023 - 10/6/2023	<.100	17.3	6.69	744.0
11/1/2023 - 11/5/2023	<.100	14.5	6.75	724.0
12/6/2023 - 12/8/2023	<.100	14.9	6.76	810.0
1/4/2024 - 1/18/2024	<.100	19.8	6.33	658.0

* - 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)
7/18/2006 - 8/1/2006	<.100	14.0	7.15 *	408.0 *
9/20/2006 - 9/28/2006	<.100	16.0	7.10 *	177.8 *
10/24/2006 - 11/3/2006	<.100	15.0	7.22 *	353.0 *
11/20/2006 - 11/21/2006	<.100	16.0	7.24 *	213.0 *
12/21/2006 - 12/22/2006		16.0	6.76 *	475.0 *
1/8/2007 - 1/16/2007			6.74 *	466.0 *
1/16/2007 - 1/26/2007	<.100	16.0	7.10 *	473.0 *
1/26/2007 - 2/7/2007			7.04	488.0
2/24/2007 - 2/27/2007	<.100	18.0	7.04 *	488.0 *
3/26/2007 - 3/27/2007	<.100	16.0	6.63 *	499.0 *
4/23/2007 - 4/27/2007	<.100	16.0	6.29 *	662.0 *
5/31/2007 - 6/1/2007	<.100	17.0	6.29 *	706.0 *
6/28/2007 - 7/12/2007	<.100 *	15.0 *	6.60 *	479.0 *
7/12/2007 - 7/13/2007	<.100	14.0	6.45	486.0
8/24/2007 - 8/29/2007	<.100	13.0	7.27 *	471.8 *
9/27/2007 - 9/28/2007	<.100	14.0	7.45 *	476.0 *
10/23/2007 - 10/24/2007	<.100	14.0	9.27	461.0
11/27/2007 - 11/28/2007	<.100	13.0	6.42 *	432.5 *
8/29/2008	<.100	13.0	6.98	501.0
9/25/2008 - 10/1/2008	<.100	12.0	6.99 *	501.0 *
10/21/2008 - 10/22/2008	<.100	13.0	7.13	499.0
11/24/2008 - 11/25/2008	<.100	12.0	7.13	499.0
12/18/2008 - 12/19/2008	.160	13.0	7.15	499.0
2/3/2009 - 2/13/2009	<.100	12.0	7.26	500.0
3/25/2009 - 3/26/2009	<.100	11.0	6.65	495.0
4/15/2009 - 4/16/2009	<.100	12.0	6.62	489.0
5/28/2009 - 5/29/2009	<.100	12.0	7.22	491.0
6/24/2009 - 6/25/2009	.100	12.0	7.08	491.0
7/29/2009 - 8/1/2009	<.100	12.0	6.02	493.0
8/28/2009 - 8/29/2009	<.100	12.0	6.08	494.0
9/29/2009 - 9/30/2009	<.100	12.0	5.97	494.0
10/20/2009 - 10/26/2009	<.100	12.0	6.64	492.0
11/23/2009 - 11/25/2009	<.100	12.0	6.77	476.0
12/17/2009 - 12/18/2009	<.100	12.0	6.93	489.0
1/26/2010 - 2/4/2010	<.100	12.0	7.00	469.0
2/4/2010 - 2/17/2010	.093	12.0	7.17	468.0
2/17/2010 - 3/3/2010	.032	12.0	7.00	482.0
3/3/2010 - 3/4/2010	.032	12.0	7.00	482.0
4/7/2010 - 4/8/2010	<.100	12.0	6.92	503.0
5/5/2010 - 5/6/2010	<.100	12.0	7.99	468.0
6/15/2010 - 6/16/2010	<.100	11.0	7.10	503.0
7/12/2010 - 7/16/2010	<.100	12.0	7.07	487.0
8/10/2010 - 8/11/2010	<.100	12.0	7.05	497.0
8/31/2010 - 9/2/2010	<.100	12.0	7.21	495.0
9/29/2010 - 9/30/2010	<.100	12.0	6.98	494.0
11/3/2010 - 11/4/2010	<.100	10.0	7.03	491.0
12/2/2010 - 12/3/2010	<.100	12.0	7.01	508.0
1/19/2011 - 1/21/2011	<.100	12.0	7.06	494.0
2/7/2011 - 2/8/2011	.360	12.0	7.06	499.0
3/3/2011 - 3/4/2011	<.100	12.0	7.03	528.0
4/5/2011 - 4/6/2011	<.100	12.0	7.16	477.0
5/10/2011 - 5/11/2011	<.100	12.0	7.09	419.0
6/1/2011 - 6/2/2011	<.100	12.0	7.00	492.0
7/12/2011 - 7/14/2011	<.100	12.0	7.10	460.0
8/3/2011 - 8/4/2011	<.100	12.0	7.07	479.0

* - 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)
9/7/2011 - 9/8/2011	<.100	12.0	7.22	483.0
10/5/2011 - 10/6/2011	<.100	13.0	7.27	486.0
11/1/2011 - 11/2/2011	<.100	11.0	7.11	461.0
12/7/2011 - 12/8/2011	<.100	11.0	7.33	469.0
1/4/2012 - 1/6/2012	<.100	12.0	7.14	467.0
2/1/2012 - 2/2/2012	<.100	12.0	7.08	461.0
3/6/2012 - 3/7/2012	<.100	12.0	7.34	469.0
4/5/2012 - 4/6/2012	<.100	12.0	7.44	455.0
5/1/2012 - 5/10/2012	<.100	12.0	7.73	435.0
6/5/2012 - 6/6/2012	<.100	12.0	7.76	441.0
7/9/2012 - 7/12/2012	<.100	12.0	7.20	485.0
7/27/2012 - 8/10/2012	<.100	12.0	7.23	438.0
9/4/2012 - 9/5/2012	<.100	12.0	6.90	479.0
10/3/2012 - 10/8/2012	<.100	12.0	7.29	502.0
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

* - 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)
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
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

* - 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)
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
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
9/1/2023 - 9/2/2023	<.100	18.1	6.62	859.0
10/2/2023 - 10/6/2023	<.100	20.2	6.64	873.0
11/1/2023 - 11/5/2023	<.100	19.9	6.53	913.0
12/6/2023 - 12/8/2023	<.100	19.7	6.50	1000.0
1/18/2024 - 1/21/2024	<.100	22.8	6.49	747.0

* - 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)
7/18/2006 - 8/1/2006	.230	17.0 *	7.03 *	464.0 *
9/20/2006 - 9/28/2006	.200	16.0	7.23 *	473.0 *
10/24/2006 - 11/3/2006	.170	17.0	7.37 *	447.0 *
11/20/2006 - 11/21/2006	.240	17.0	7.34 *	483.0 *
12/21/2006 - 12/22/2006		17.0	6.58 *	599.0 *
1/8/2007 - 1/16/2007			6.95 *	599.0 *
1/16/2007 - 1/26/2007	.180	17.0	6.93 *	597.0 *
1/26/2007 - 2/7/2007			6.76	588.0
2/24/2007 - 2/27/2007	.150	14.0	6.76 *	588.0 *
3/26/2007 - 3/27/2007	.160	17.0	6.54 *	620.0 *
4/23/2007 - 4/27/2007	.150	16.0	6.24 *	849.0 *
5/31/2007 - 6/1/2007	.120	18.0	6.29 *	864.0 *
6/28/2007 - 7/12/2007	.099 *	16.5 *	6.60 *	587.5 *
8/24/2007 - 8/29/2007	.170 *	17.0	7.10 *	567.6 *
9/27/2007 - 9/28/2007	.160	18.0	7.38 *	530.0 *
10/23/2007 - 10/24/2007	.120	17.0	9.00	506.0
11/27/2007 - 11/28/2007	.200	17.0	6.22 *	542.3 *
12/27/2007 - 12/28/2007	.190	17.0	6.34 *	545.5 *
1/22/2008 - 1/26/2008	.120	16.0	6.75	524.0
2/27/2008 - 2/28/2008	.180	17.0	6.87	607.0
3/24/2008 - 3/25/2008	.260	18.0	6.40 *	526.5 *
5/2/2008 - 5/3/2008	.160	18.0	6.97 *	490.0 *
5/29/2008 - 5/30/2008	.100	18.0	6.60 *	558.8 *
6/25/2008 - 6/26/2008	<.100	18.0	6.55 *	548.5 *
7/21/2008 - 7/24/2008	.180	18.0	6.54	579.0
8/29/2008	.160	18.0	6.57	575.0
9/25/2008 - 10/1/2008	.140 *	16.0	6.62 *	582.0 *
10/21/2008 - 10/22/2008	.260	18.0	6.65	557.0
11/24/2008 - 11/25/2008	.170	16.0	6.67	554.0
12/18/2008 - 12/19/2008	.240	18.0	6.58	540.0
2/3/2009 - 2/13/2009	.100	16.0	6.86	549.0
3/25/2009 - 3/26/2009	<.100	15.0	6.35	553.0
4/15/2009 - 4/16/2009	<.100	16.0	6.13	562.0
5/28/2009 - 5/29/2009	<.100	16.0	6.70	553.0
6/24/2009 - 6/25/2009	.110	17.0	6.79	560.0
7/29/2009 - 8/1/2009	<.100	16.0	5.74	552.0
8/28/2009 - 8/29/2009	<.100	16.0	5.68	571.0
9/29/2009 - 9/30/2009	<.100	16.0	5.69	568.0
10/20/2009 - 10/26/2009	<.100	16.0	6.40	590.0
11/23/2009 - 11/25/2009	.100	17.0	6.42	563.0
12/17/2009 - 12/18/2009	<.100	17.0	6.50	574.0
1/26/2010 - 2/4/2010	<.100	17.0	6.58	565.0
2/4/2010 - 2/17/2010	.120	17.0	6.79	578.0
2/17/2010 - 3/3/2010	.039	18.0	6.62	565.0
3/3/2010 - 3/4/2010	.039	18.0	6.62	565.0
4/7/2010 - 4/8/2010	<.100	17.0	6.58	611.0
5/5/2010 - 5/6/2010	<.100	18.0	7.44	585.0
6/15/2010 - 6/16/2010	<.100	12.0	6.66	620.0
7/12/2010 - 7/16/2010	<.100	19.0	6.63	609.0
8/10/2010 - 8/11/2010	.100	18.0	6.58	623.0
8/31/2010 - 9/2/2010	<.100	18.0	6.73	620.0
9/29/2010 - 9/30/2010	<.100	18.0	6.57	626.0
11/3/2010 - 11/4/2010	<.100	17.0	6.57	629.0
12/2/2010 - 12/3/2010	<.100	19.0	6.59	652.0
1/19/2011 - 1/21/2011	.100	19.0	6.61	644.0

* - 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)
2/7/2011 - 2/8/2011	.120	18.0	6.62	646.0
3/3/2011 - 3/4/2011	.110	19.0	6.64	694.0
4/5/2011 - 4/6/2011	.410	19.0	6.71	628.0
5/10/2011 - 5/11/2011	.120	20.0	6.51	552.0
6/1/2011 - 6/2/2011	<.100	19.0	6.53	653.0
7/12/2011 - 7/14/2011	.150	19.0	6.60	622.0
8/3/2011 - 8/4/2011	.250	20.0	6.47	642.0
9/7/2011 - 9/8/2011	.120	19.0	6.62	649.0
10/5/2011 - 10/6/2011	.170	20.0	6.67	652.0
11/1/2011 - 11/2/2011	.160	18.0	6.61	620.0
12/7/2011 - 12/8/2011	.170	19.0	6.77	632.0
1/4/2012 - 1/6/2012	.210	19.0	6.71	622.0
2/1/2012 - 2/2/2012	.110	18.0	6.64	611.0
3/6/2012 - 3/7/2012	.120	18.0	6.75	621.0
4/5/2012 - 4/6/2012	.140	18.0	6.84	593.0
5/1/2012 - 5/10/2012	.100	18.0	7.11	571.0
6/5/2012 - 6/6/2012	.220	18.0	7.10	588.0
7/9/2012 - 7/12/2012	.120	19.0	6.55	638.0
7/27/2012 - 8/10/2012	<.100	17.0	6.77	638.0
9/4/2012 - 9/5/2012	.200	18.0	6.37	666.0
10/3/2012 - 10/8/2012	.140	18.0	6.68	685.0
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

* - 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)
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
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

* - 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)
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
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
9/1/2023 - 9/2/2023	<.100	32.5	6.35	950.0
10/2/2023 - 10/6/2023	<.100	34.8	6.41	930.0
11/1/2023 - 11/5/2023	<.100	33.5	6.33	991.0
12/6/2023 - 12/8/2023	<.100	33.6	6.26	986.0
1/4/2024 - 1/18/2024	<.100	33.6	6.15	771.0

* - 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
9/1/2023 - 9/2/2023	<.10	36.8	6.52	687.0
10/2/2023 - 10/6/2023	<.10	39.3	6.42	702.0
11/1/2023 - 11/5/2023	<.10	39.9	6.43	815.0
12/6/2023 - 12/8/2023	<.10	39.8	6.40	768.0
1/4/2024 - 1/18/2024	<.10	40.3	6.27	669.0

* - 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
9/1/2023 - 9/2/2023	<.10	3.98	7.35	427.0
10/2/2023 - 10/6/2023	<.10	4.05	7.20	449.0
11/1/2023 - 11/5/2023	<.10	3.81	7.21	495.0
12/6/2023 - 12/8/2023	<.10	4.01	7.09	481.0
1/4/2024 - 1/18/2024	<.10	3.94	7.06	381.0

* - 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
9/1/2023 - 9/2/2023	<.1	6.48	6.77	338.0
10/2/2023 - 10/6/2023	<.1	6.63	6.56	315.0
11/1/2023 - 11/5/2023	<.1	6.21	6.58	404.0
12/6/2023 - 12/8/2023	<.1	6.62	6.69	494.0
1/4/2024 - 1/18/2024	<.1	6.35	6.64	360.0

* - 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
9/1/2023 - 9/2/2023	<.10	7.46	7.98	335.0
10/2/2023 - 10/6/2023	<.10	7.79	7.07	513.0
11/1/2023 - 11/5/2023	<.10	7.15	6.86	706.0
12/6/2023 - 12/8/2023	<.10	7.55	6.65	738.0
1/4/2024 - 1/18/2024	<.10	7.08	6.57	654.0

* - 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)
7/18/2006 - 8/1/2006	.100	9.6	7.58 *	719.0 *
9/20/2006 - 9/28/2006	<.100	8.6	7.17 *	599.0 *
10/24/2006 - 11/3/2006	.120	9.2	6.95 *	638.0 *
11/20/2006 - 11/21/2006	.180	9.1	6.81 *	489.0 *
12/21/2006 - 12/22/2006		9.2	6.91 *	777.0 *
1/8/2007 - 1/16/2007			6.47 *	790.0 *
1/16/2007 - 1/26/2007	<.100	9.3	6.78 *	747.0 *
1/26/2007 - 2/7/2007	<.100	9.3	6.84 *	734.7 *
2/24/2007 - 2/27/2007	<.100	9.2	6.95 *	710.0 *
3/26/2007 - 3/27/2007	<.100	8.5	6.24 *	720.0 *
4/23/2007 - 4/27/2007	<.100	8.3	6.51 *	954.0 *
5/31/2007 - 6/1/2007	<.100	9.3	5.95 *	1065.0 *
6/28/2007 - 7/12/2007	<.100 *	8.6 *	6.36 *	717.5 *
8/24/2007 - 8/29/2007	.110 *	9.6	6.68 *	738.0 *
9/27/2007 - 9/28/2007	<.100	10.0	7.15 *	631.8 *
10/23/2007 - 10/24/2007	<.100	9.8	8.78	727.0
11/27/2007 - 11/28/2007	.140	9.8	5.99 *	669.0 *
12/27/2007 - 12/28/2007	<.100	10.0	6.13 *	673.8 *
1/22/2008 - 1/26/2008	<.100	9.5	6.32	667.0
2/27/2008 - 2/28/2008	.110	10.0	6.60	778.0
3/24/2008 - 3/25/2008	<.100	10.0	6.66 *	665.8 *
5/2/2008 - 5/3/2008	.190	9.4	6.76 *	604.0 *
5/29/2008 - 5/30/2008	<.100	9.9	6.38 *	577.8 *
6/25/2008 - 6/26/2008	<.100	10.0	6.35 *	494.5 *
7/21/2008 - 7/24/2008	.120	11.0	6.38	538.0
8/29/2008	.120	12.0	6.37	511.0
9/25/2008 - 10/1/2008	.110	12.0	6.38 *	507.0 *
10/21/2008 - 10/22/2008	.250	13.0	6.40	496.0
11/24/2008 - 11/25/2008	.180	13.0	6.50	502.0
12/18/2008 - 12/19/2008	.220	14.0	6.45	523.0
2/3/2009 - 2/13/2009	.160	13.0	6.58	522.0
3/25/2009 - 3/26/2009	.140	13.0	6.20	542.0
4/15/2009 - 4/16/2009	.170	14.0	5.93	579.0
6/24/2009 - 6/25/2009	.200	15.0	6.08	567.0
7/29/2009 - 8/1/2009	.140	14.0	5.52	543.0
8/28/2009 - 8/29/2009	.160	14.0	5.52	482.0
9/29/2009 - 9/30/2009	.130	16.0	5.54	524.0
10/20/2009 - 10/26/2009	.200	16.0	6.05 *	539.5 *
11/23/2009 - 11/25/2009	.270	16.0	6.21	487.0
12/17/2009 - 12/18/2009	.160	16.0	6.22	508.0
1/26/2010 - 2/4/2010	.140	15.0	6.27	463.0
2/4/2010 - 2/17/2010	.160	17.0	6.56	532.0
2/17/2010 - 3/3/2010	.099	16.0	6.40	479.0
3/3/2010 - 3/4/2010	.099	16.0	6.40	479.0
4/7/2010 - 4/8/2010	.140	17.0	6.28	548.0
5/5/2010 - 5/6/2010	.150	17.0	7.11	485.0
6/15/2010 - 6/16/2010	<.100	13.0	6.33	314.0
7/12/2010 - 7/16/2010	.120	16.0	6.36	463.0
8/10/2010 - 8/11/2010	.110	15.0	6.24	384.0
8/31/2010 - 9/2/2010	<.100	14.0	6.37 *	265.0 *
9/29/2010 - 9/30/2010	<.100	14.0	6.22	378.0
11/3/2010 - 11/4/2010	<.100	12.0	6.17	331.0
12/2/2010 - 12/3/2010	<.100	14.0	6.27	360.0
1/19/2011 - 1/21/2011	.110	13.0	6.33	378.0
2/7/2011 - 2/8/2011	<.100	13.0	6.34	389.0

* - 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)
3/3/2011 - 3/4/2011	.140	13.0	6.31	408.0
4/5/2011 - 4/6/2011	<.100	13.0	6.36	349.0
5/10/2011 - 5/11/2011	<.100	19.0	6.41	520.0
6/1/2011 - 6/2/2011	.120	14.0	6.21	391.0
7/12/2011 - 7/14/2011	<.100	14.0	6.31	361.0
8/3/2011 - 8/4/2011	.180	15.0	6.31	461.0
9/7/2011 - 9/8/2011	.140	13.0	6.37	376.0
10/5/2011 - 10/6/2011	<.100	15.0	6.38	403.0
11/1/2011 - 11/2/2011	.180	11.0	6.34	331.0
12/7/2011 - 12/8/2011	<.100	13.0	6.51	368.0
1/4/2012 - 1/6/2012	<.100	14.0	6.42	367.0
2/1/2012 - 2/2/2012	<.100	12.0	6.34	335.0
3/6/2012 - 3/7/2012	<.100	12.0	6.47	347.0
4/5/2012 - 4/6/2012	<.100	11.0	6.67	316.0
5/1/2012 - 5/10/2012	<.100	11.0	6.81 *	329.0 *
6/5/2012 - 6/6/2012	<.100	11.0	7.07	303.0
7/9/2012 - 7/12/2012	<.100	13.0	6.34	368.0
7/27/2012 - 8/10/2012	<.100	10.0	6.37	297.0
9/4/2012 - 9/5/2012	<.100	10.0	6.15	328.0
10/3/2012 - 10/8/2012	<.100	11.0	6.56	396.0
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

* - 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)
4/5/2016 - 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
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

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

Table 15

Analytical Data Summary for MW-7N

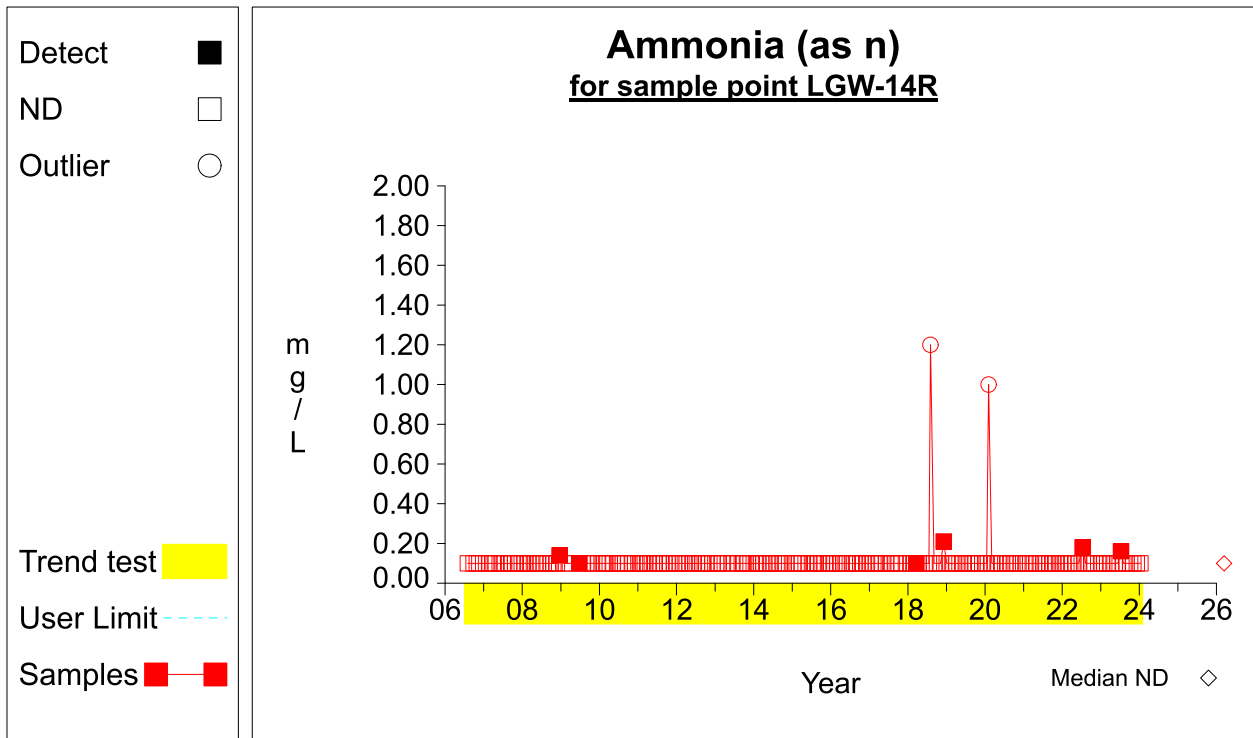
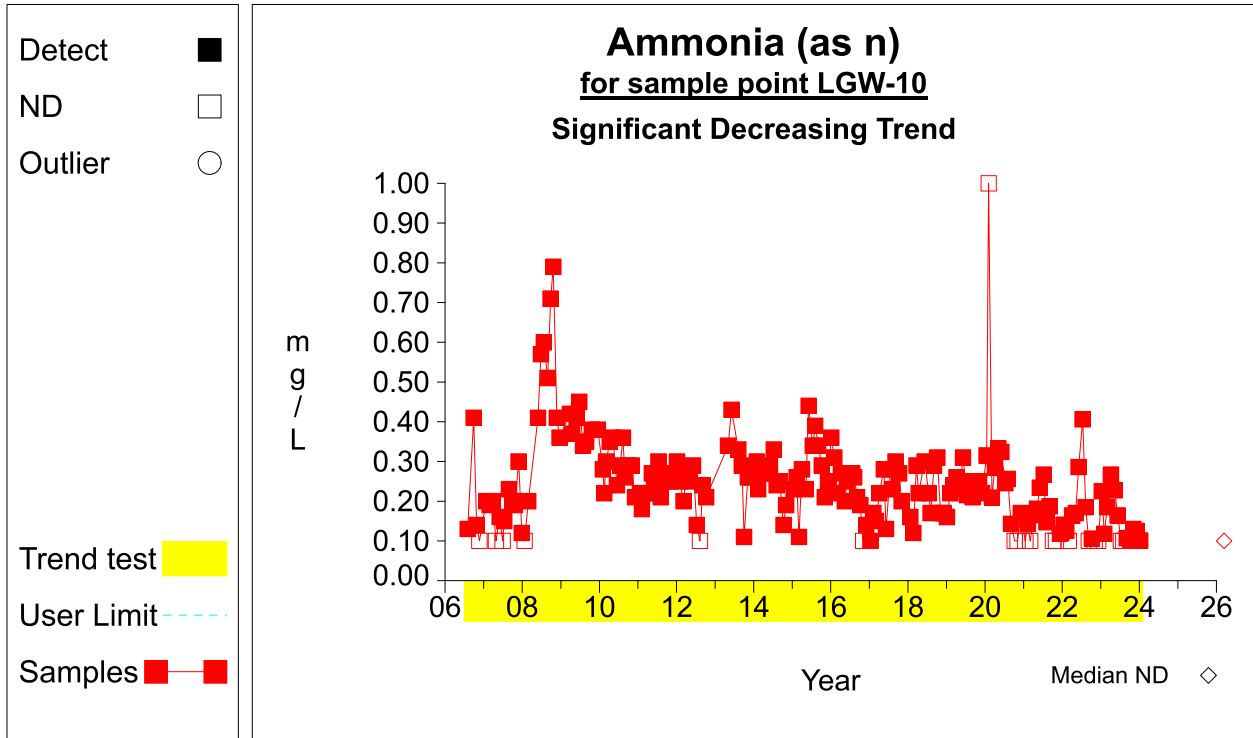
Dates	Ammonia (as n) (mg/L)	Chloride (mg/L)	pH (Field) (S.U.)	Specific conductance (field) (UMHOS/CM)
12/1/2020 - 12/4/2020	<.100	41.3	6.45	479.6
1/13/2021 - 1/18/2021	<.100 *	41.2 *	6.26	437.4
2/9/2021 - 2/11/2021	<.100	42.4	6.71	580.0
3/2/2021 - 3/3/2021	<.100	40.4	6.54	597.0
4/6/2021 - 4/9/2021	<.100	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
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
9/1/2023 - 9/2/2023	<.100	29.5	6.72	748.0
10/2/2023 - 10/6/2023	<.100	30.1	6.67	690.0
11/1/2023 - 11/5/2023	<.100	30.4	6.69	780.0
12/6/2023 - 12/8/2023	<.100	30.2	6.61	774.0
1/4/2024 - 1/18/2024	<.100	29.3	6.69	638.0

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

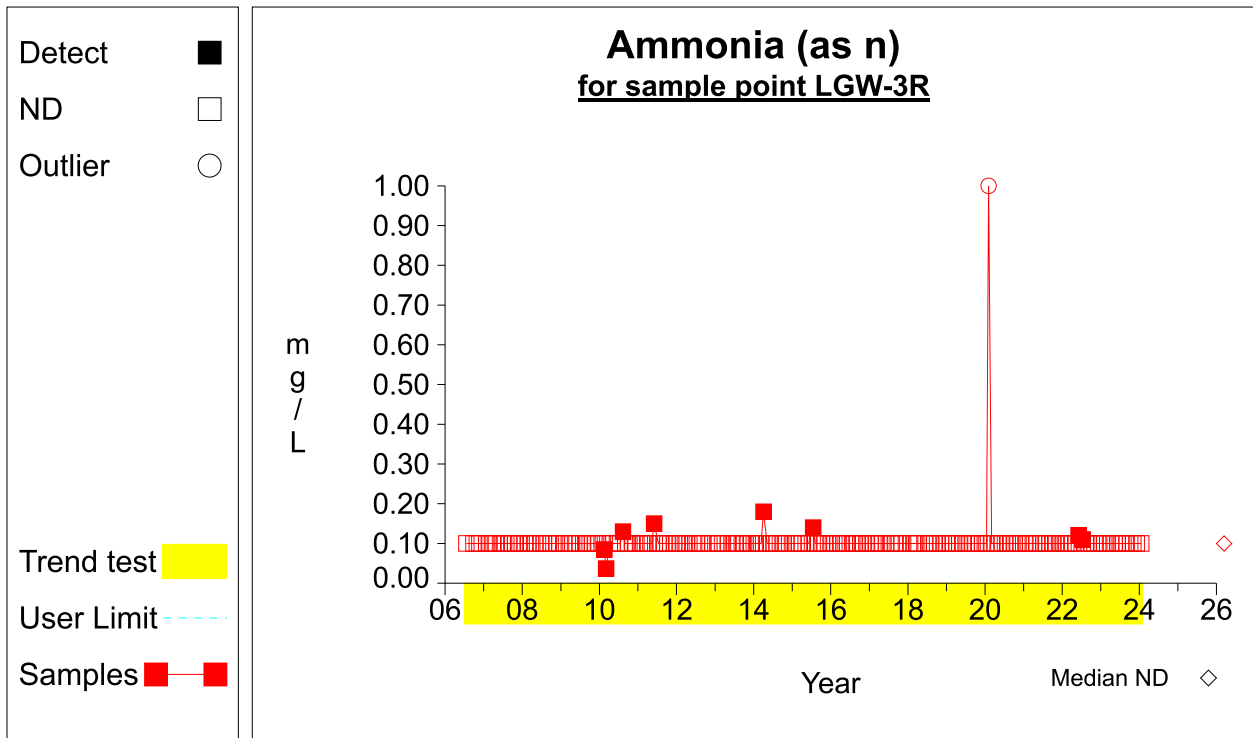
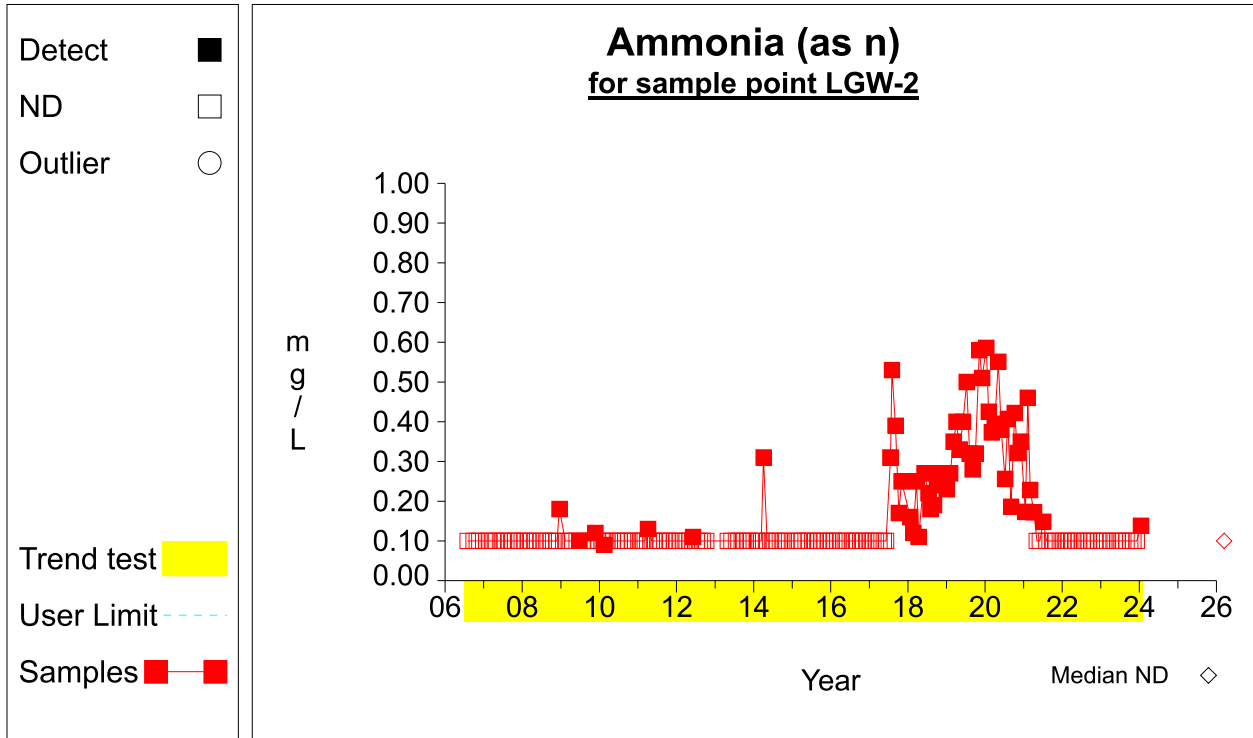
ATTACHMENT C

Trend Analysis

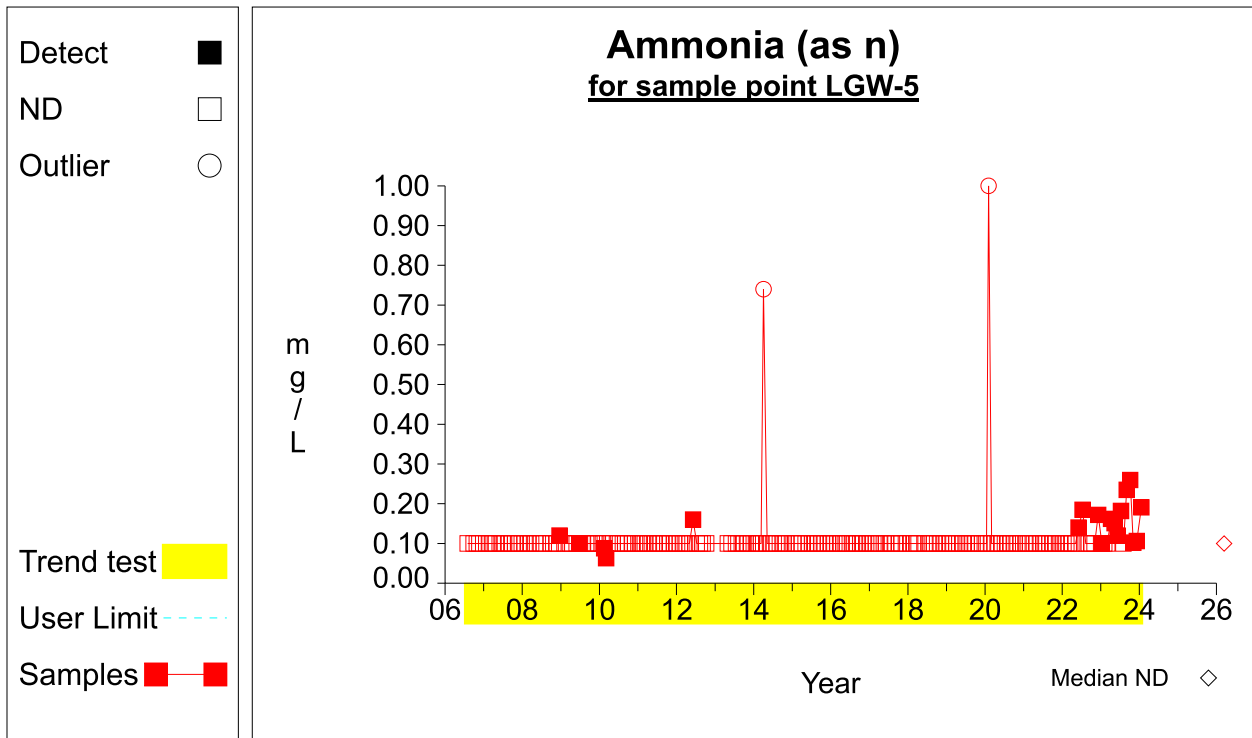
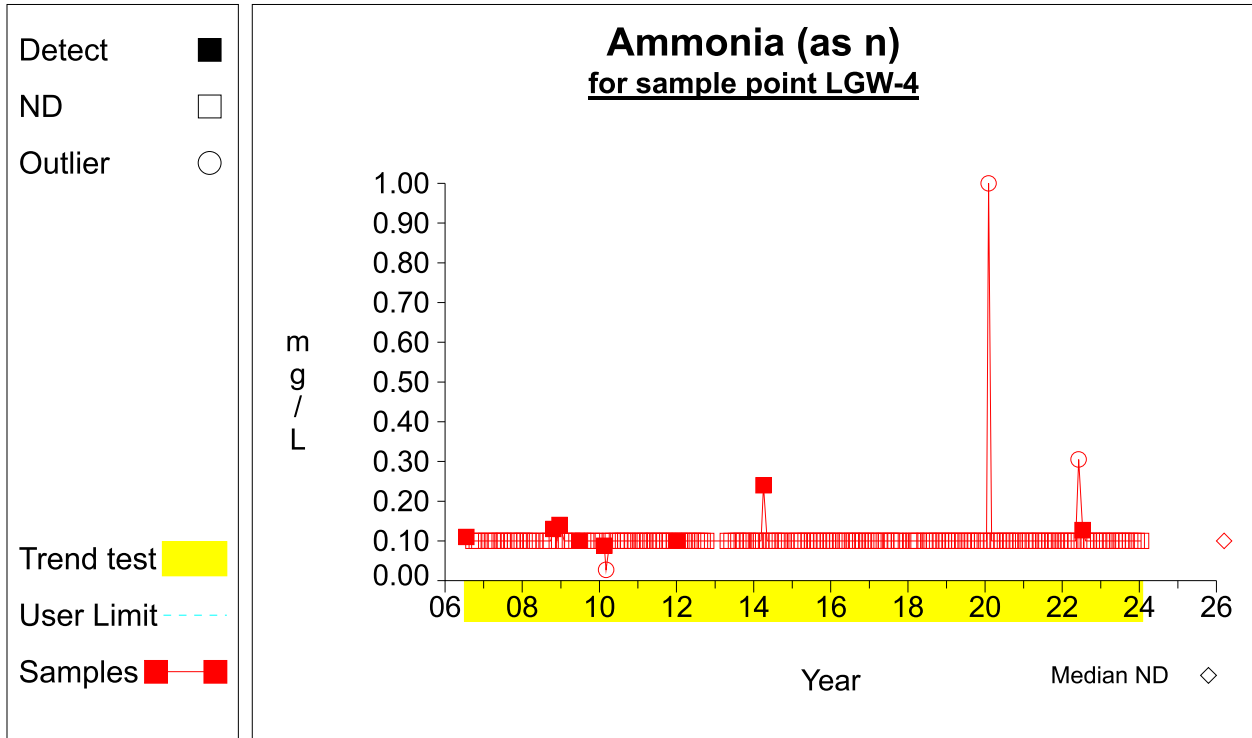
Time Series



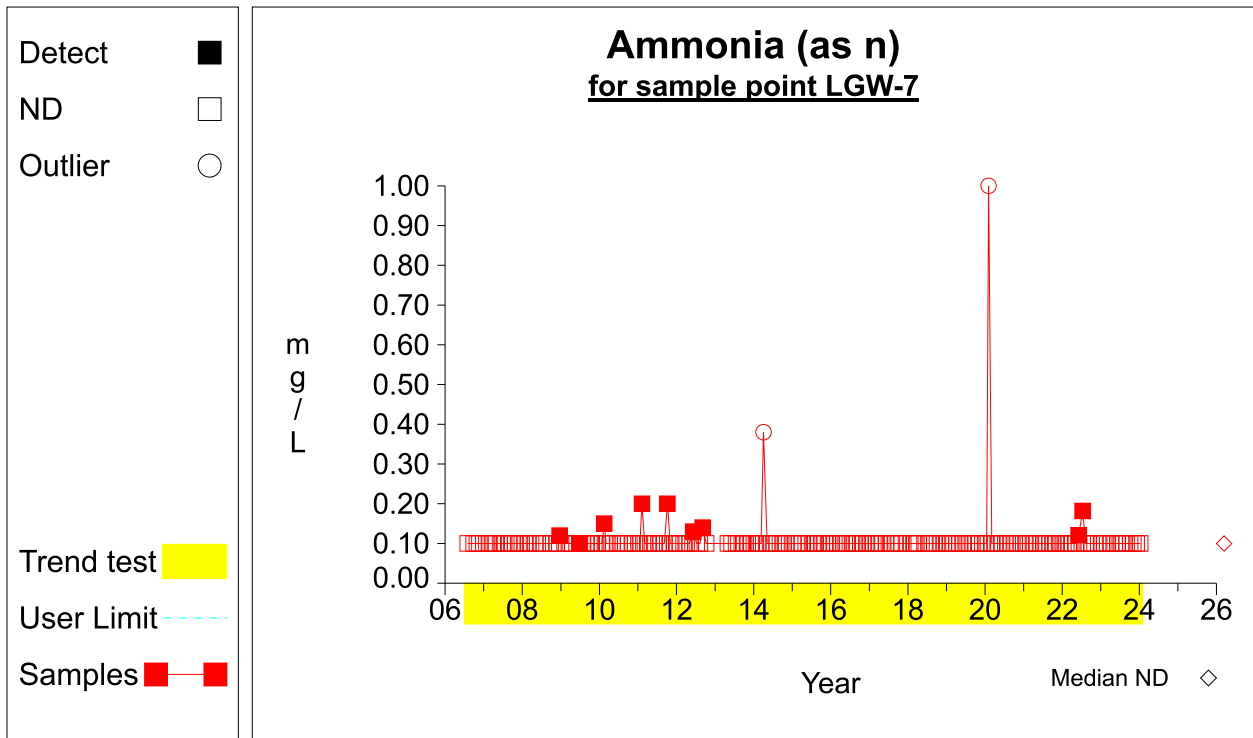
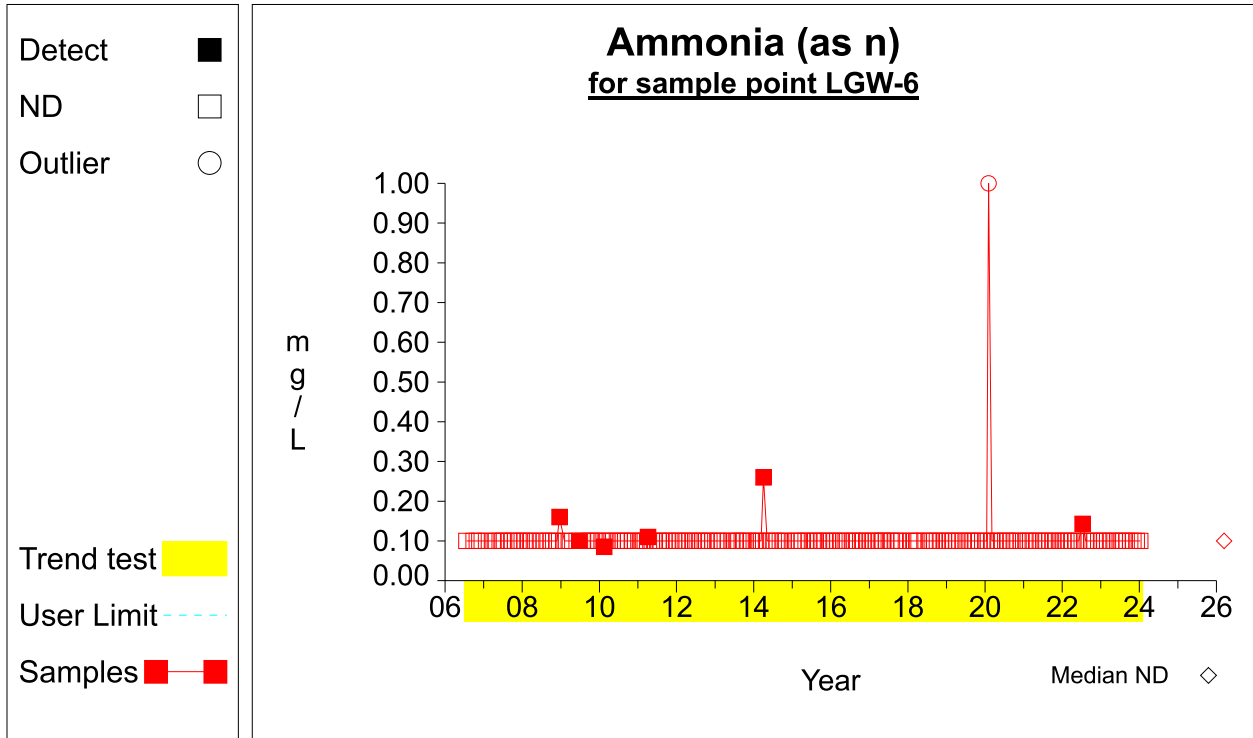
Time Series



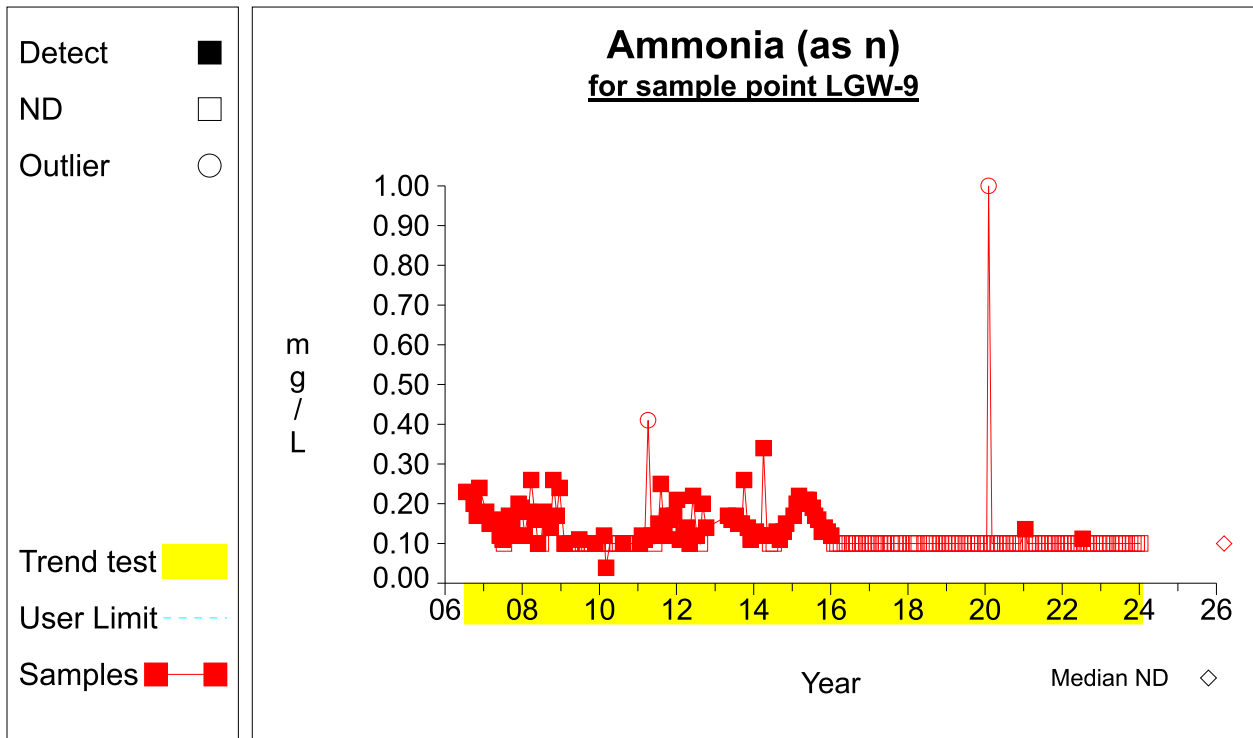
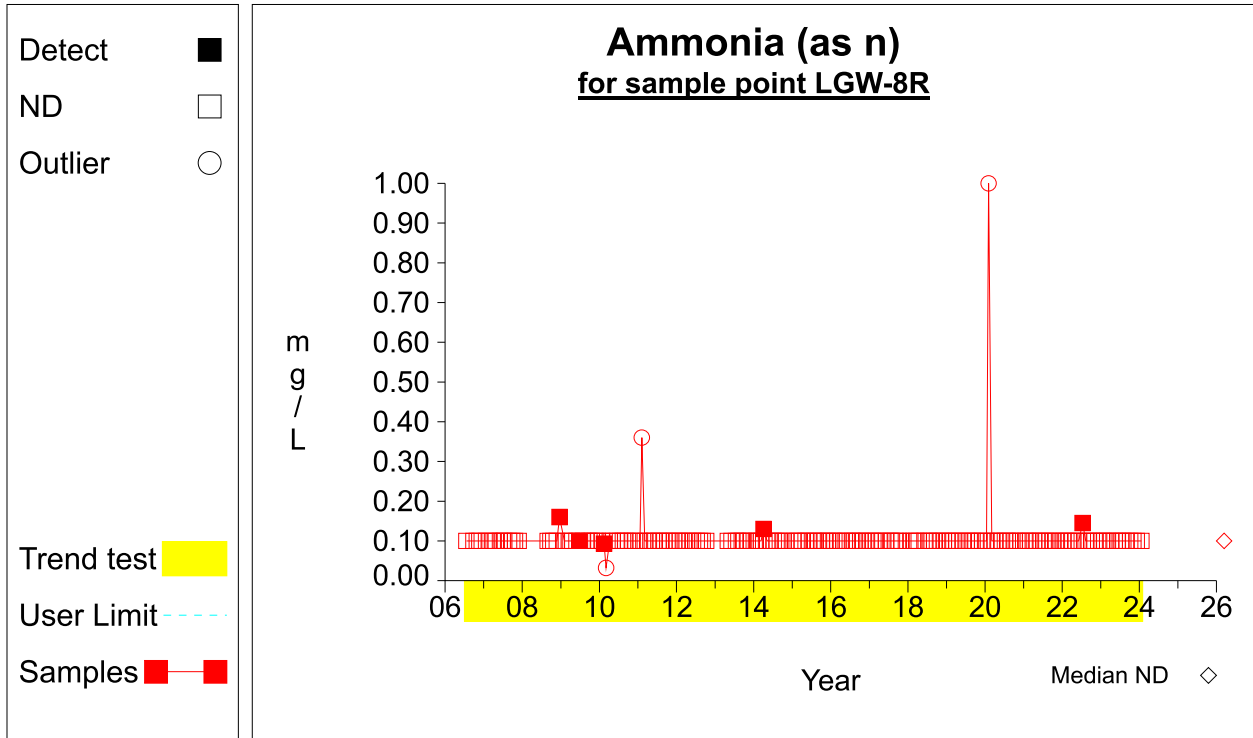
Time Series



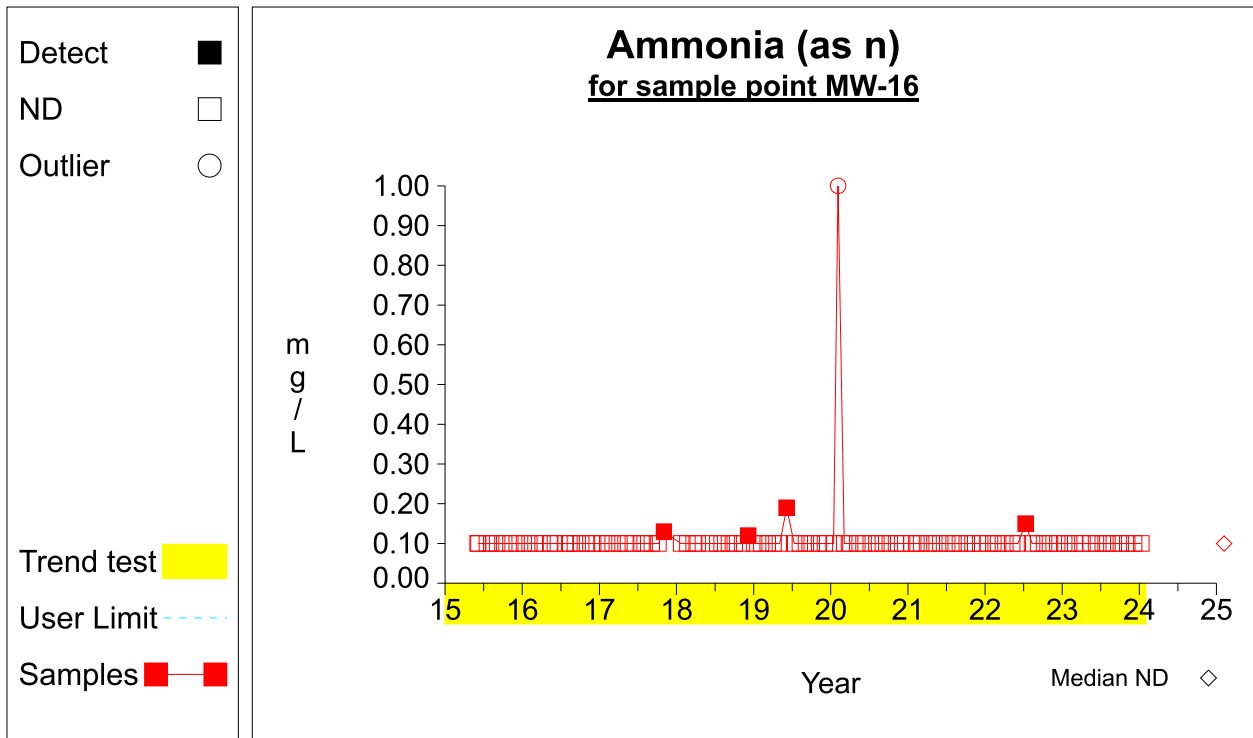
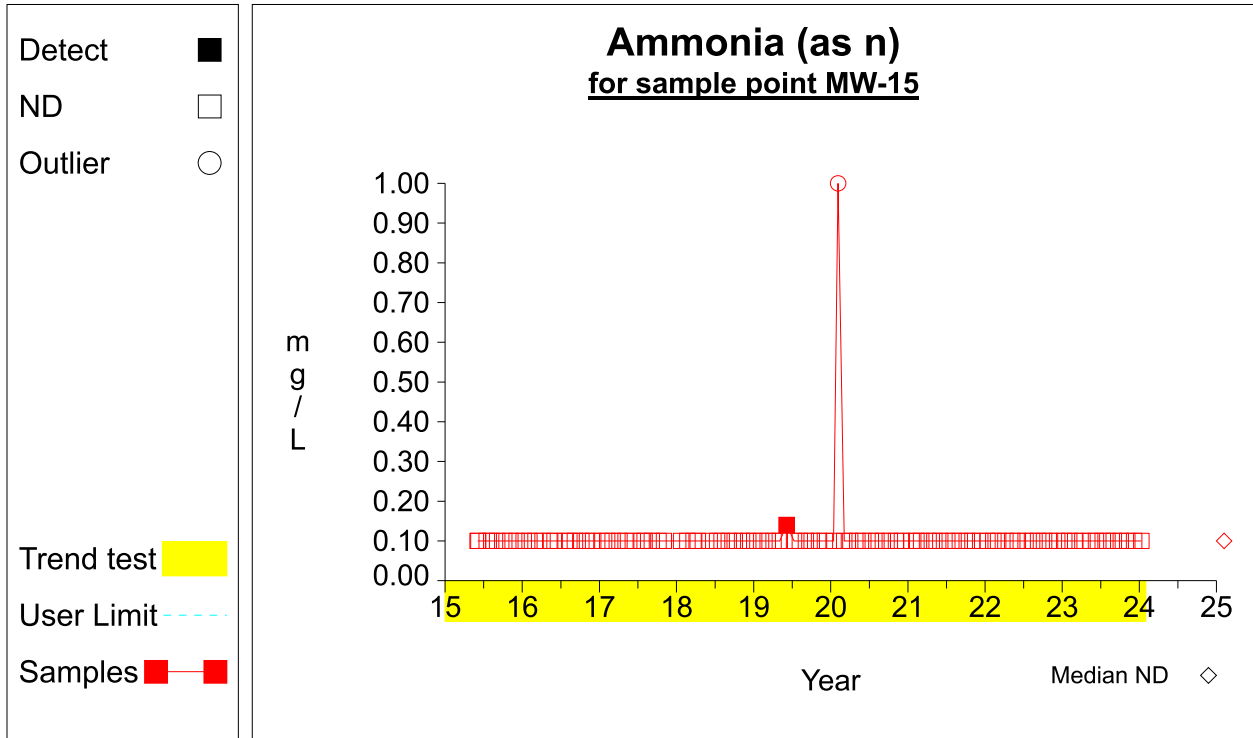
Time Series



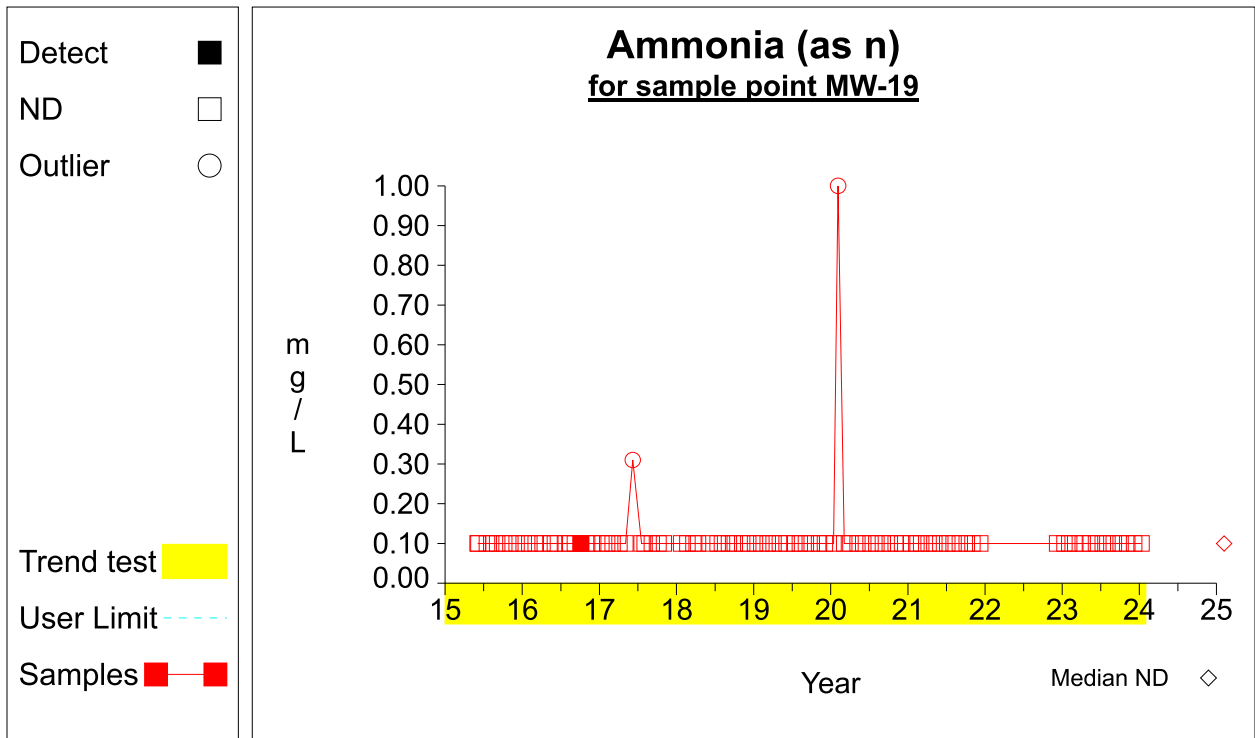
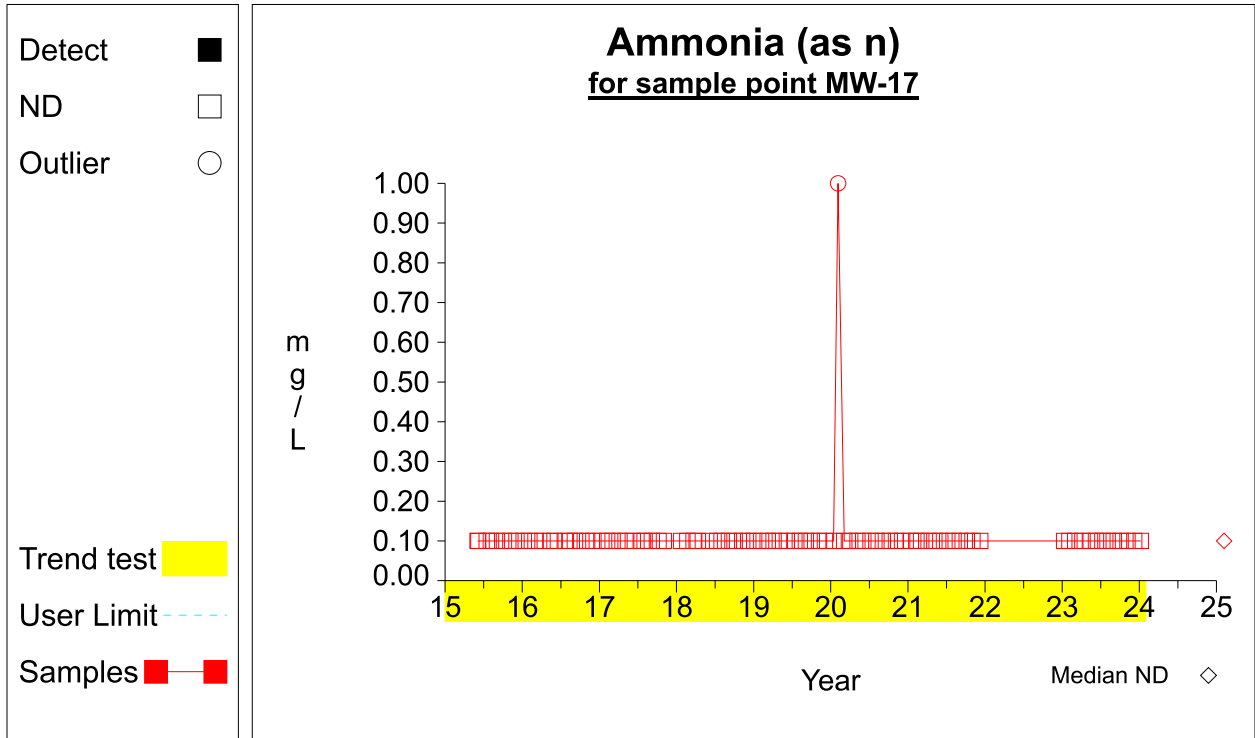
Time Series



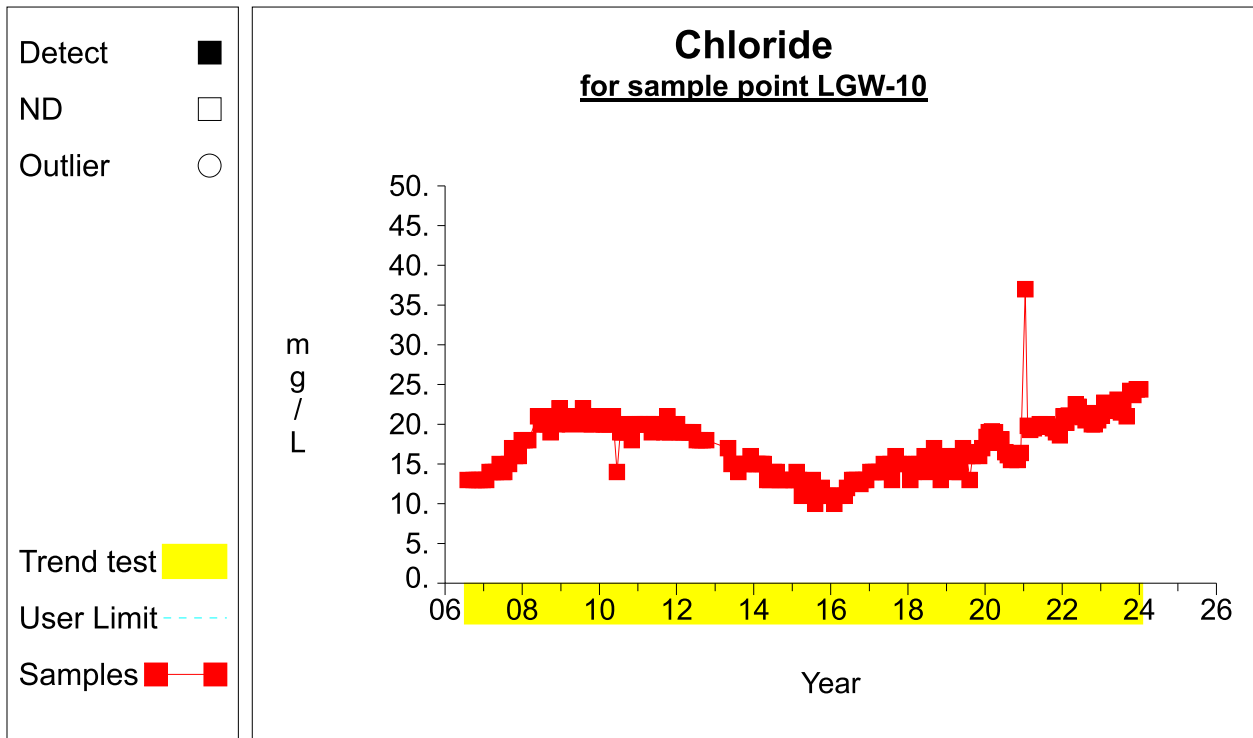
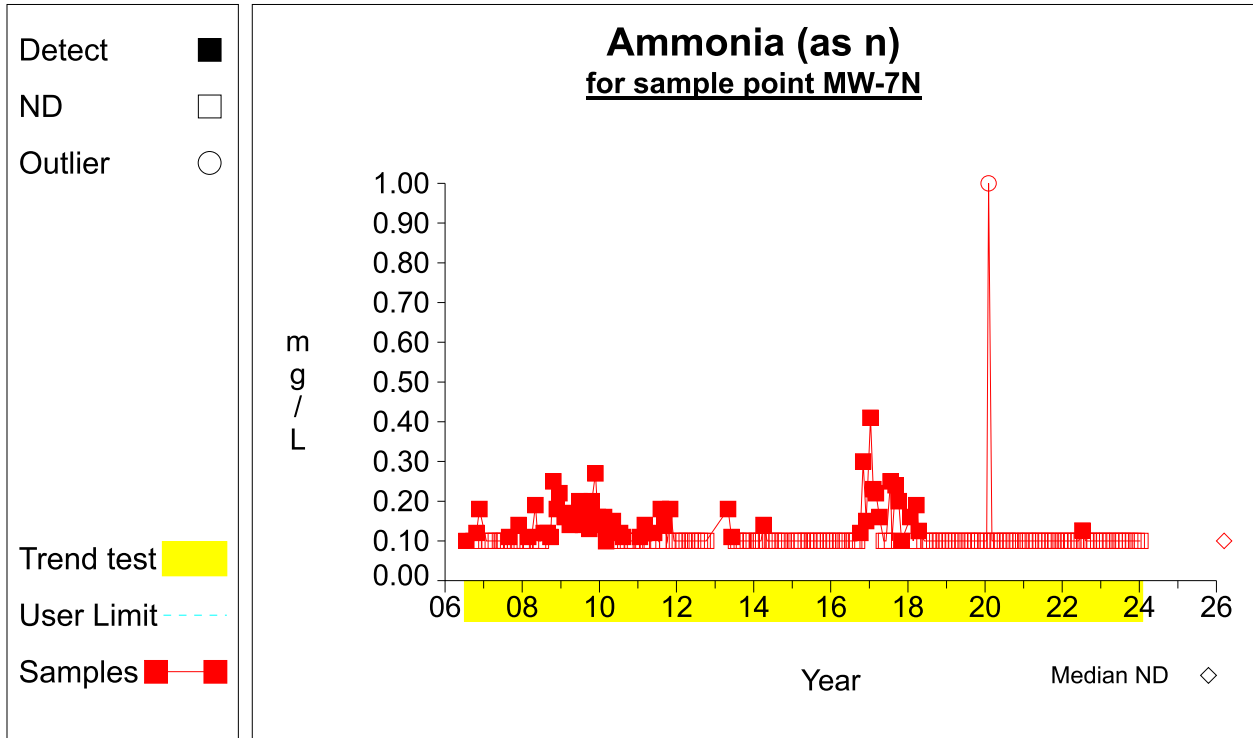
Time Series



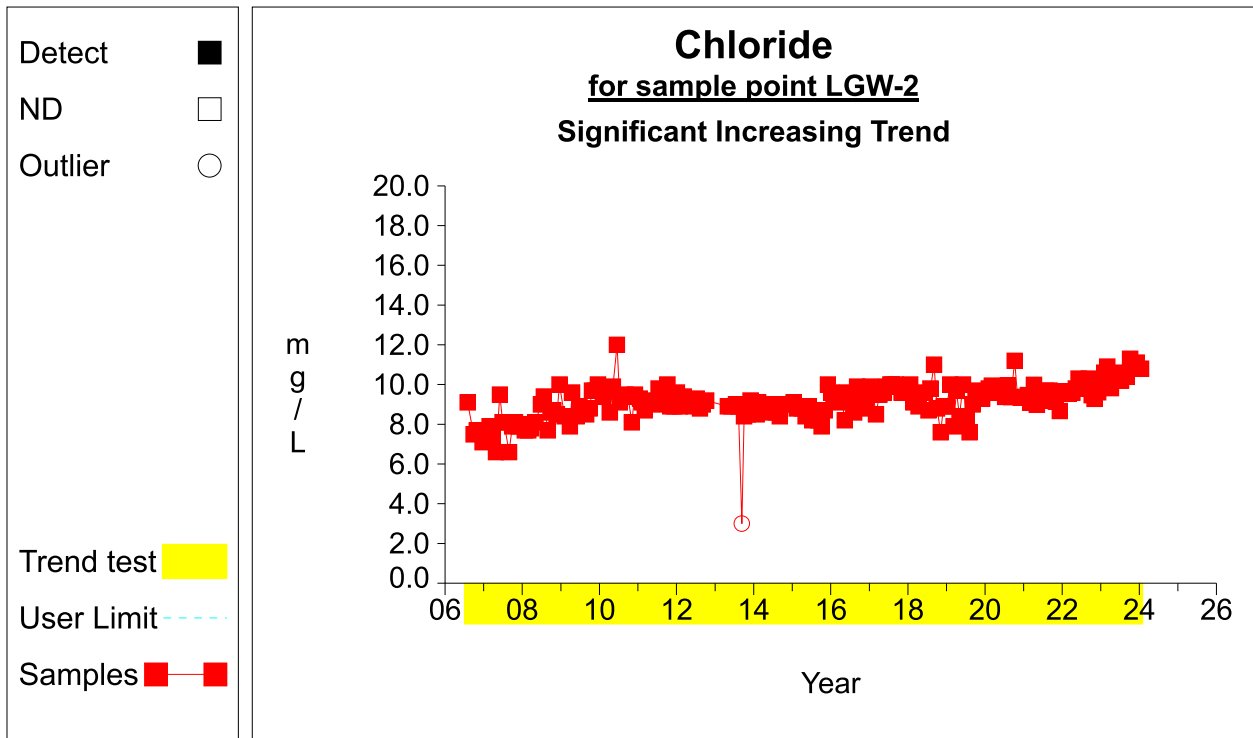
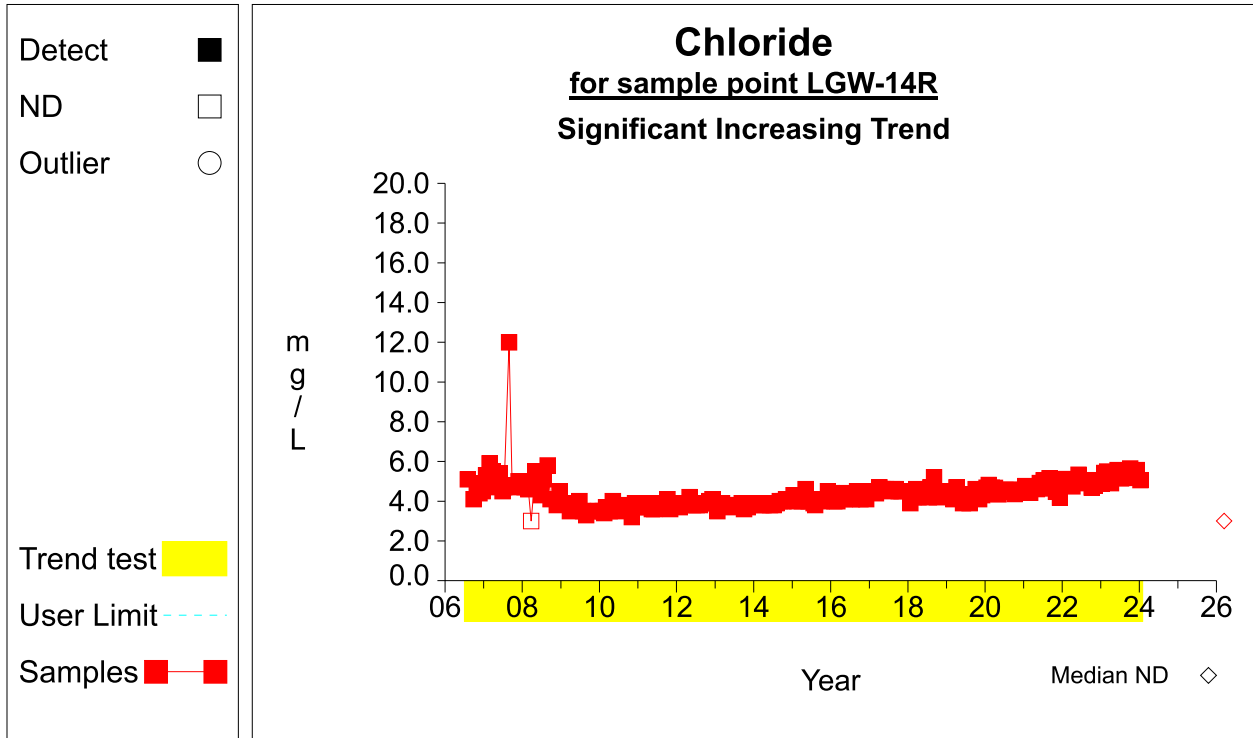
Time Series



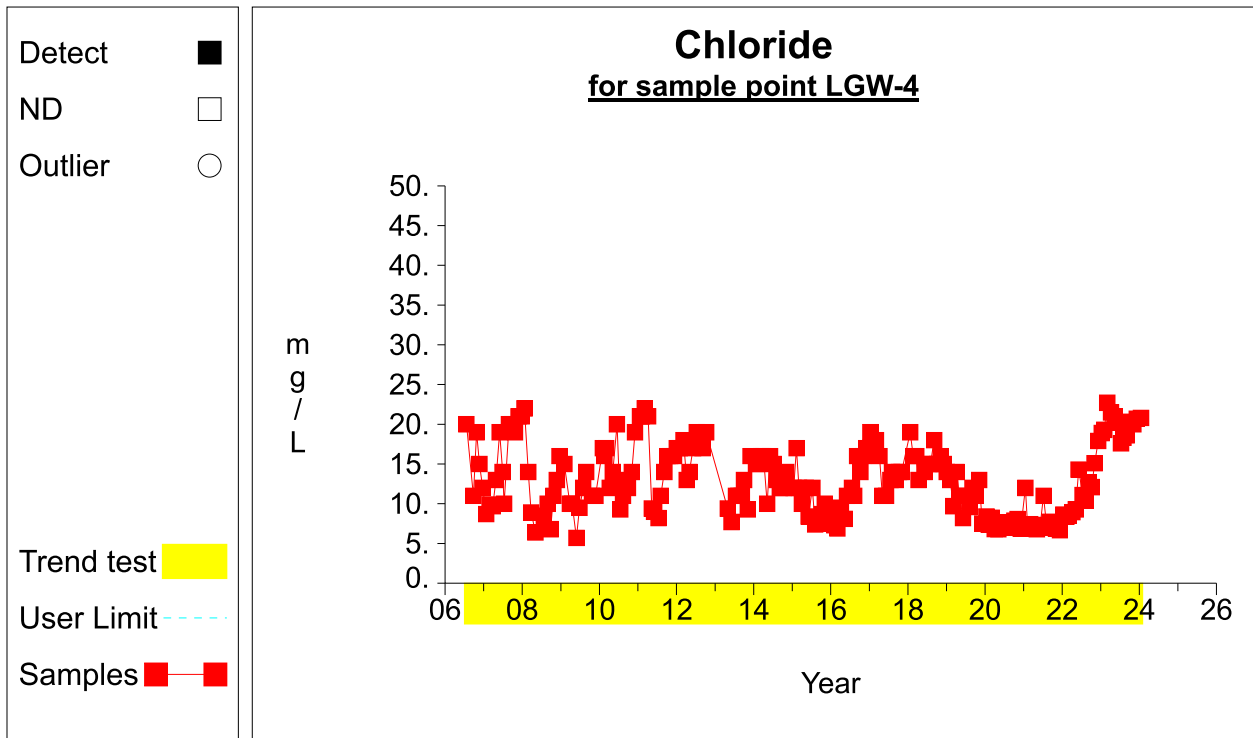
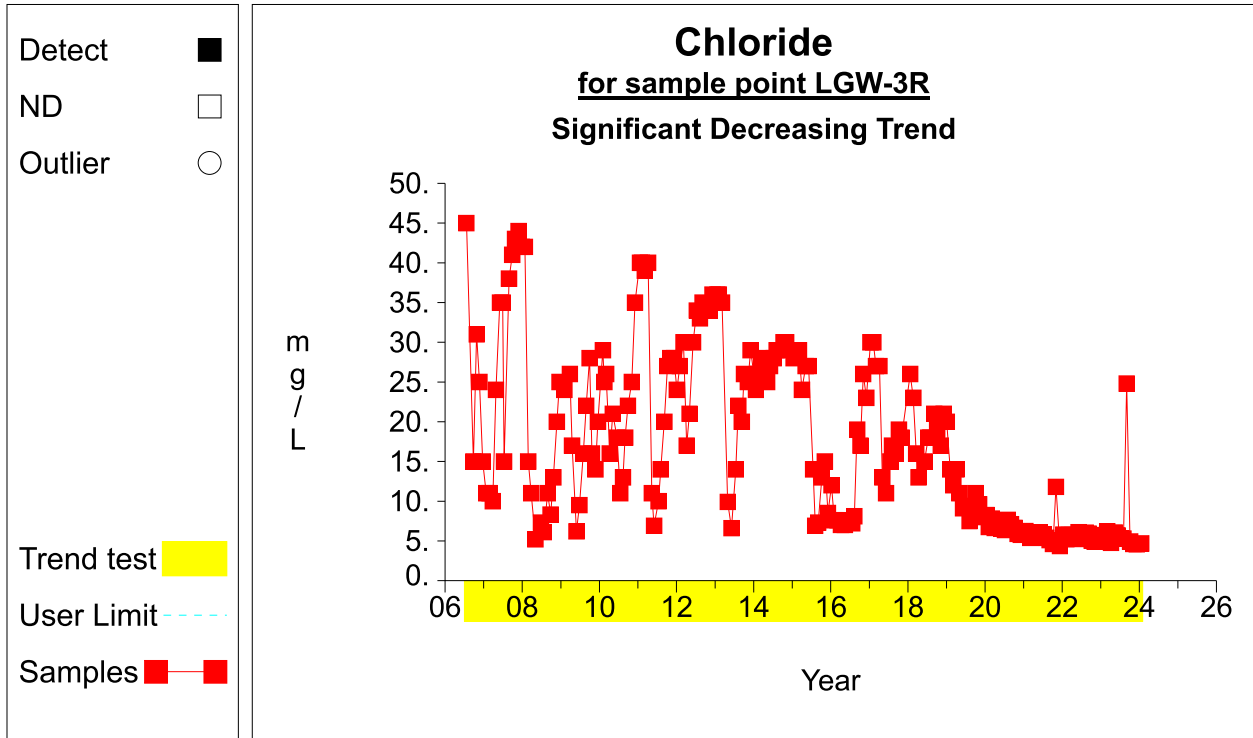
Time Series



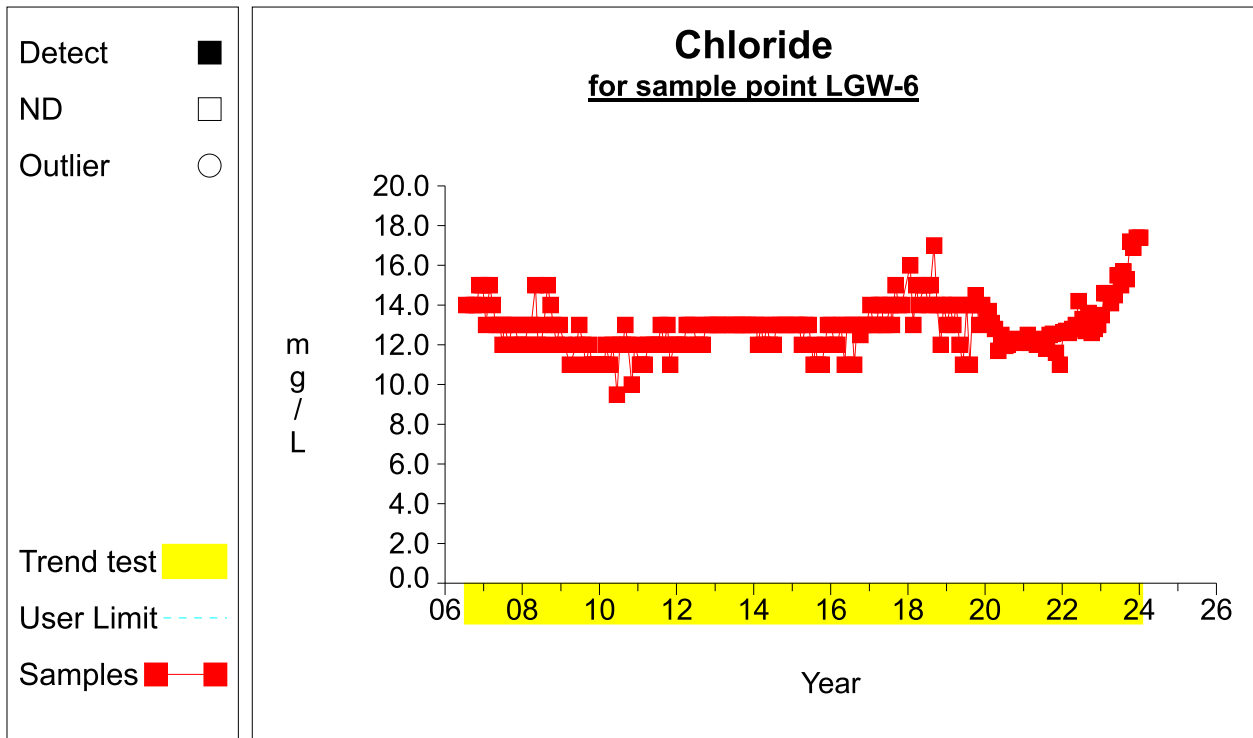
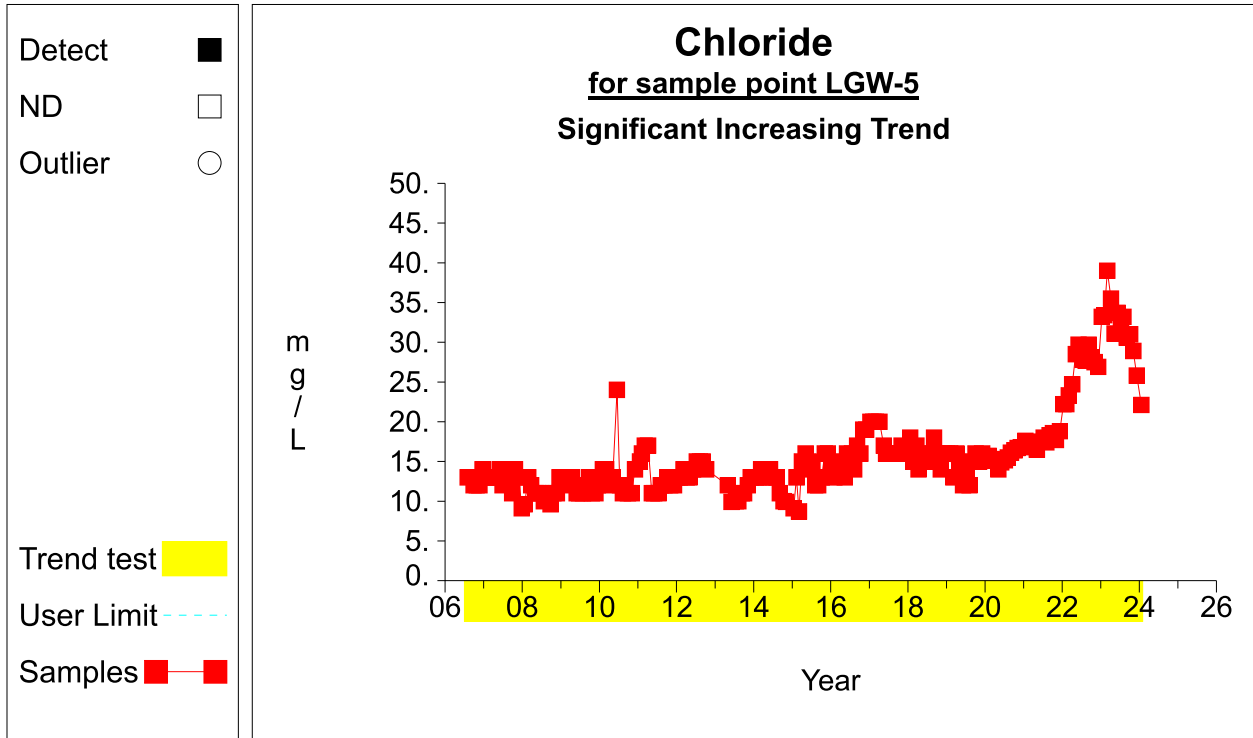
Time Series



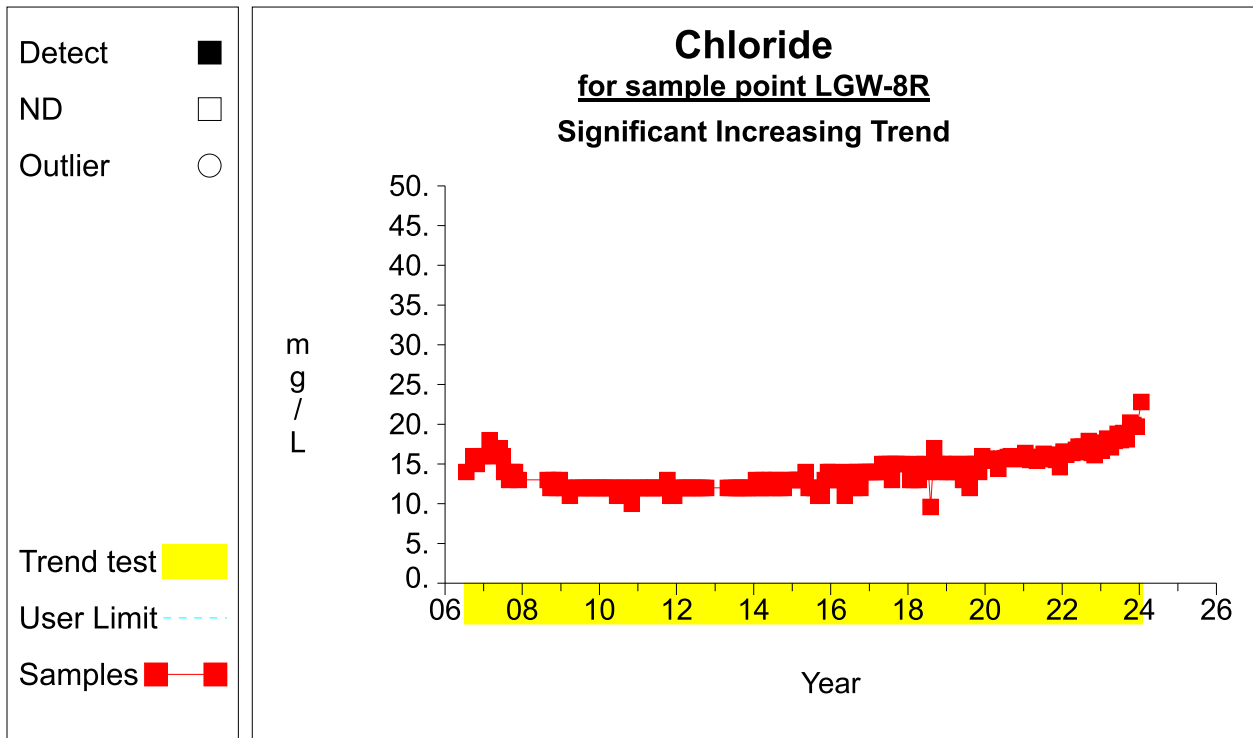
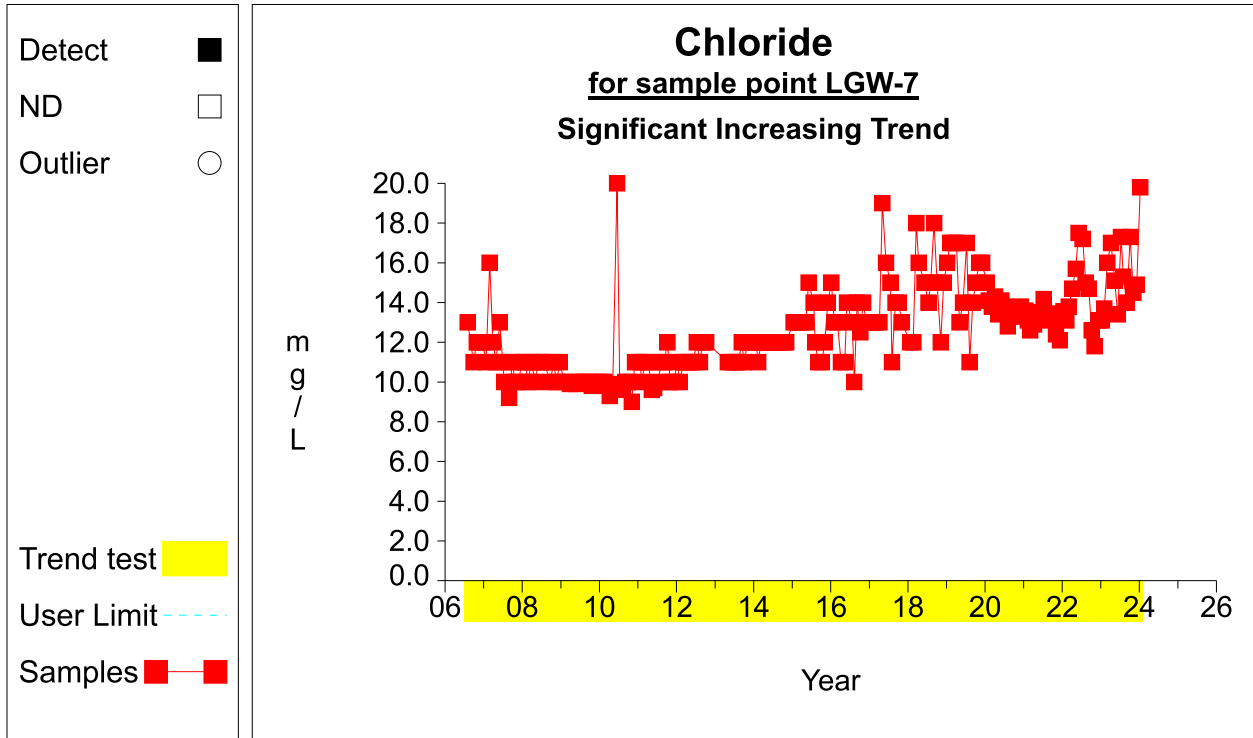
Time Series



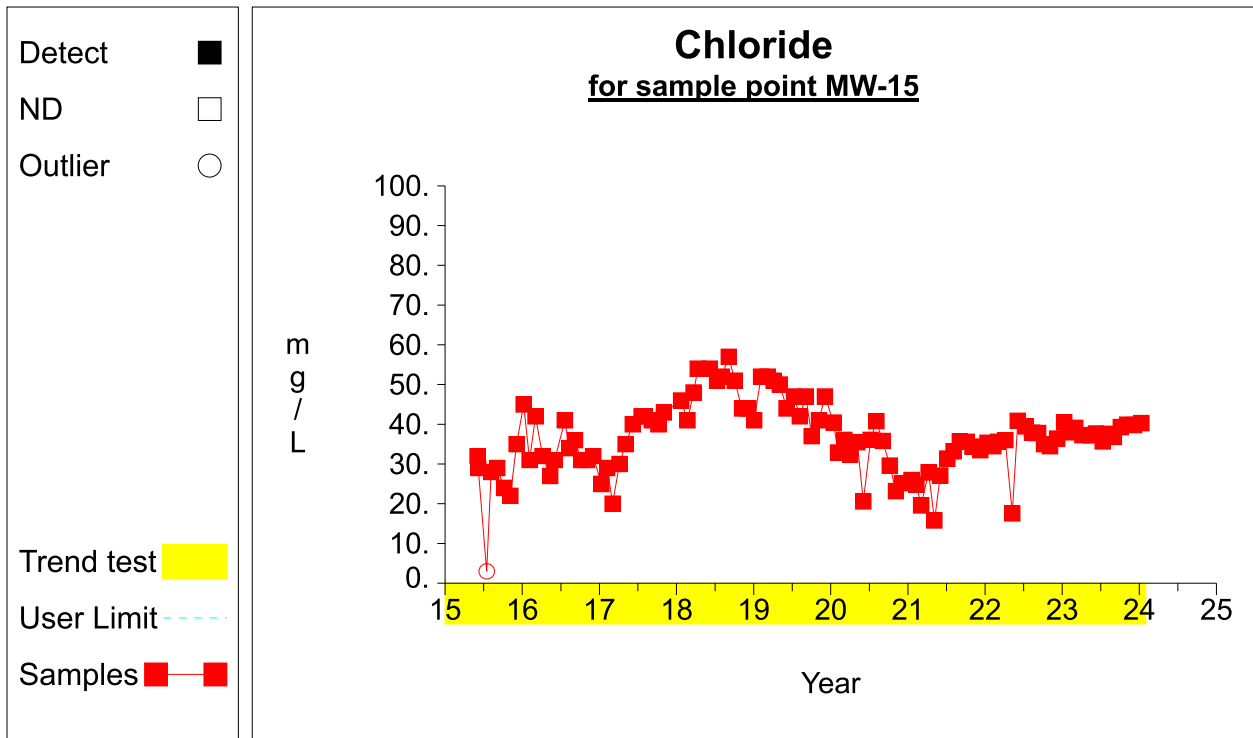
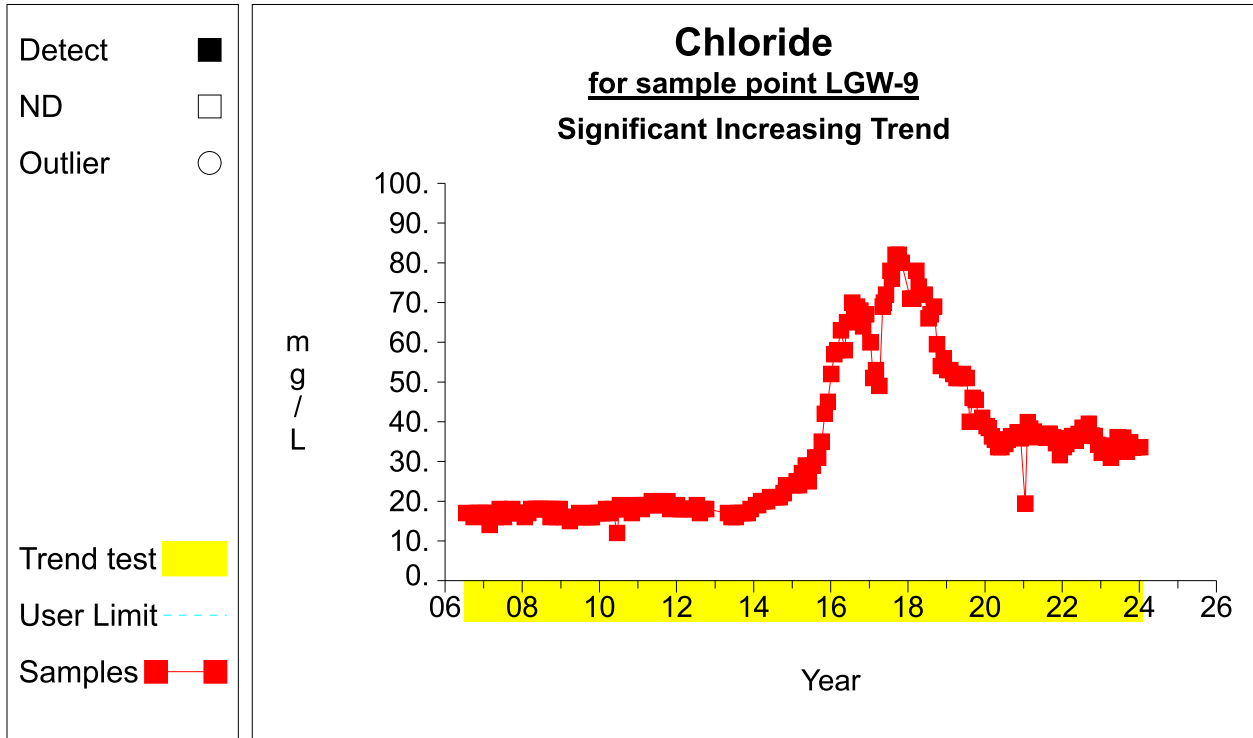
Time Series



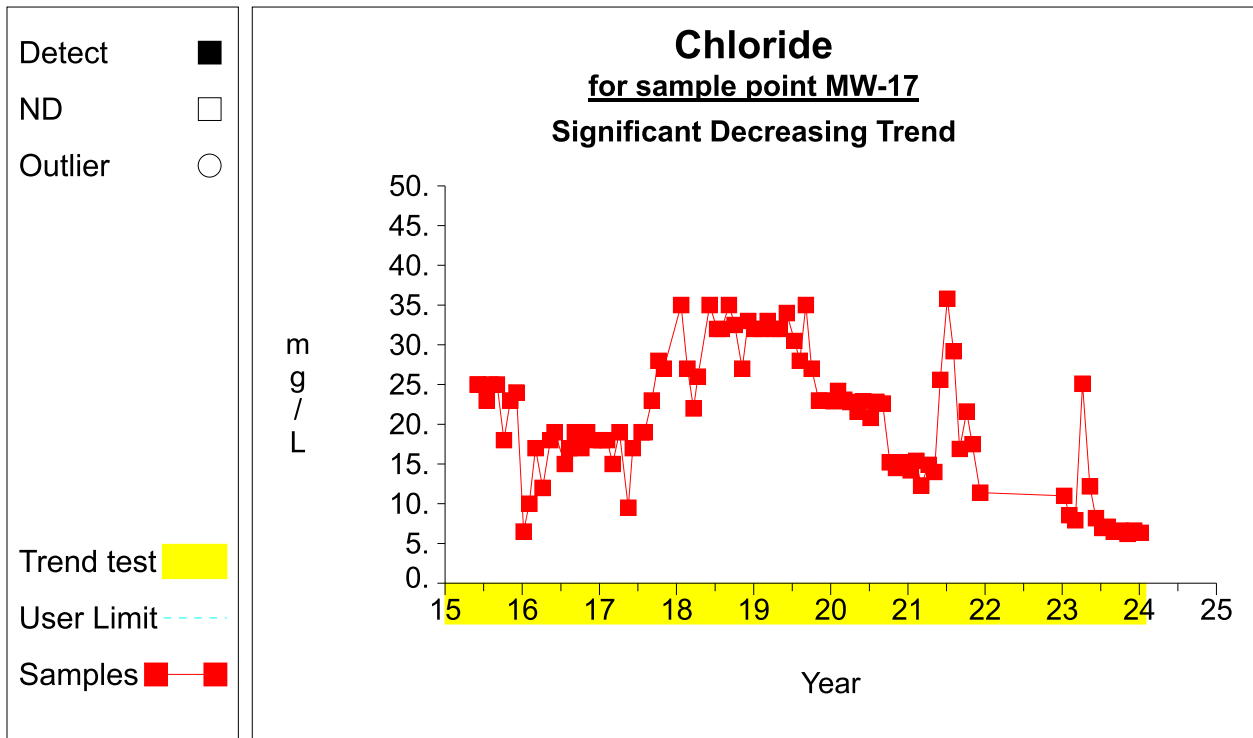
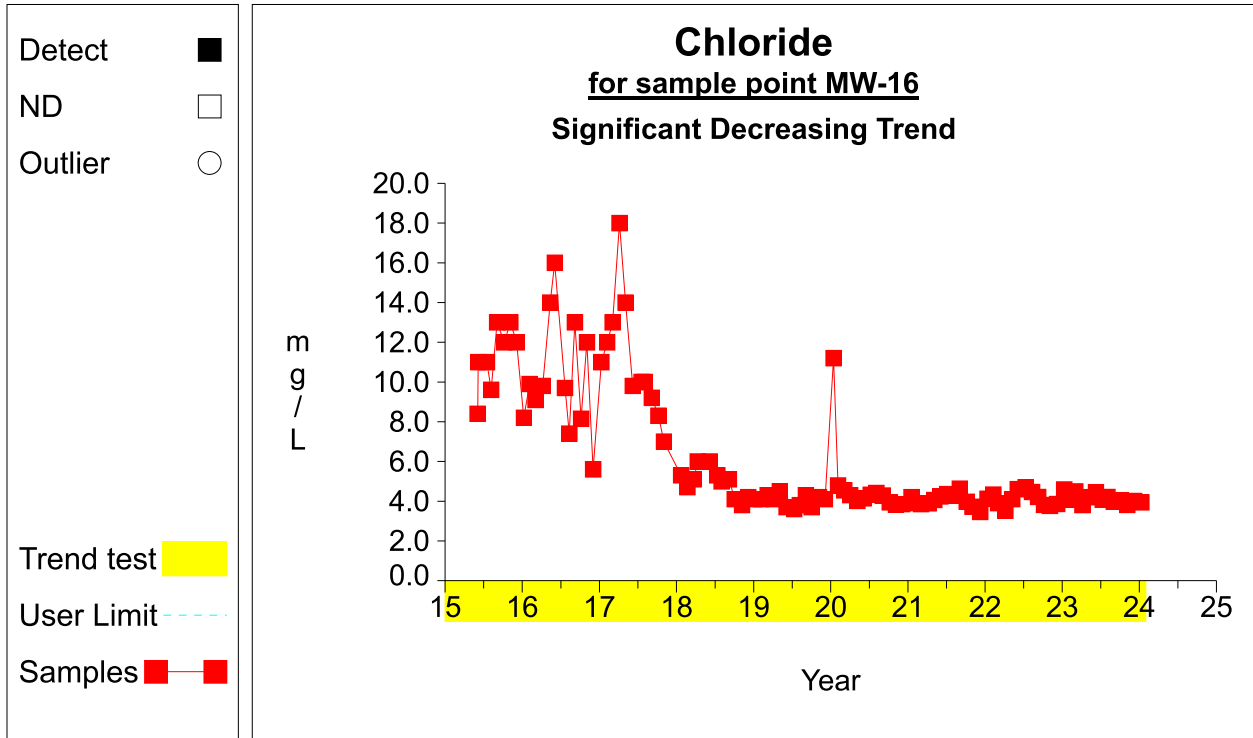
Time Series



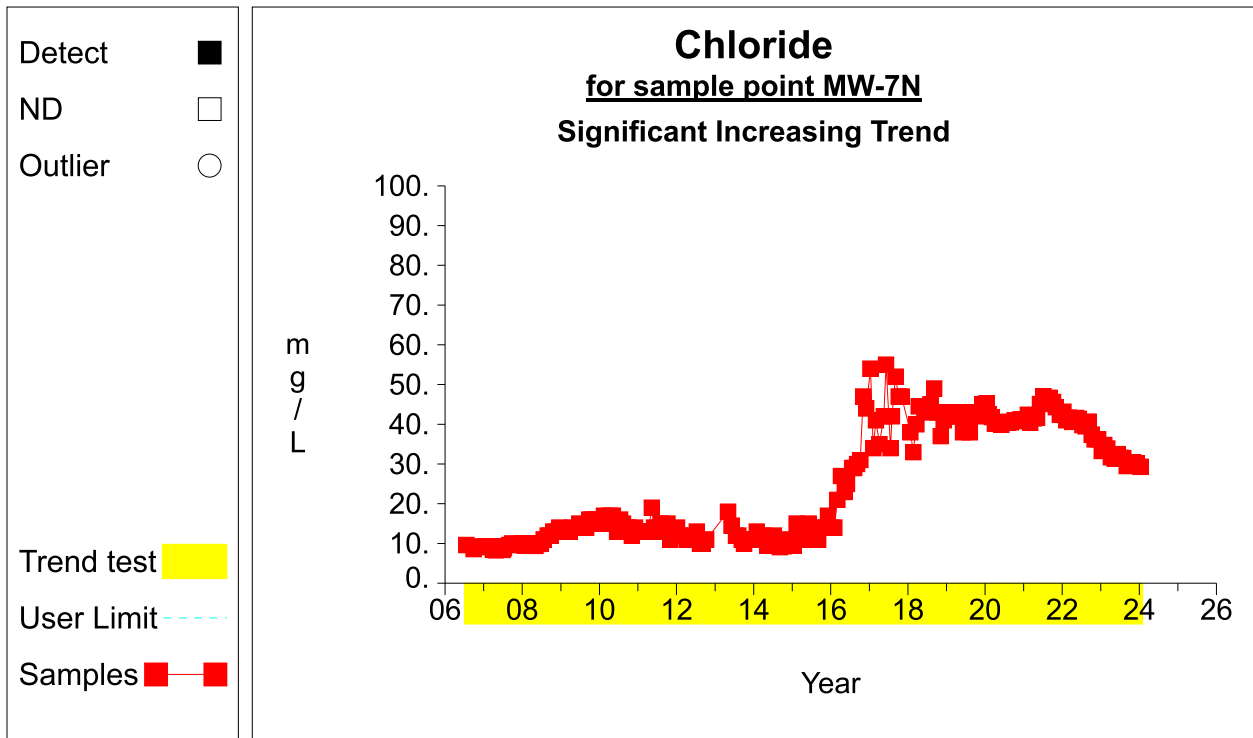
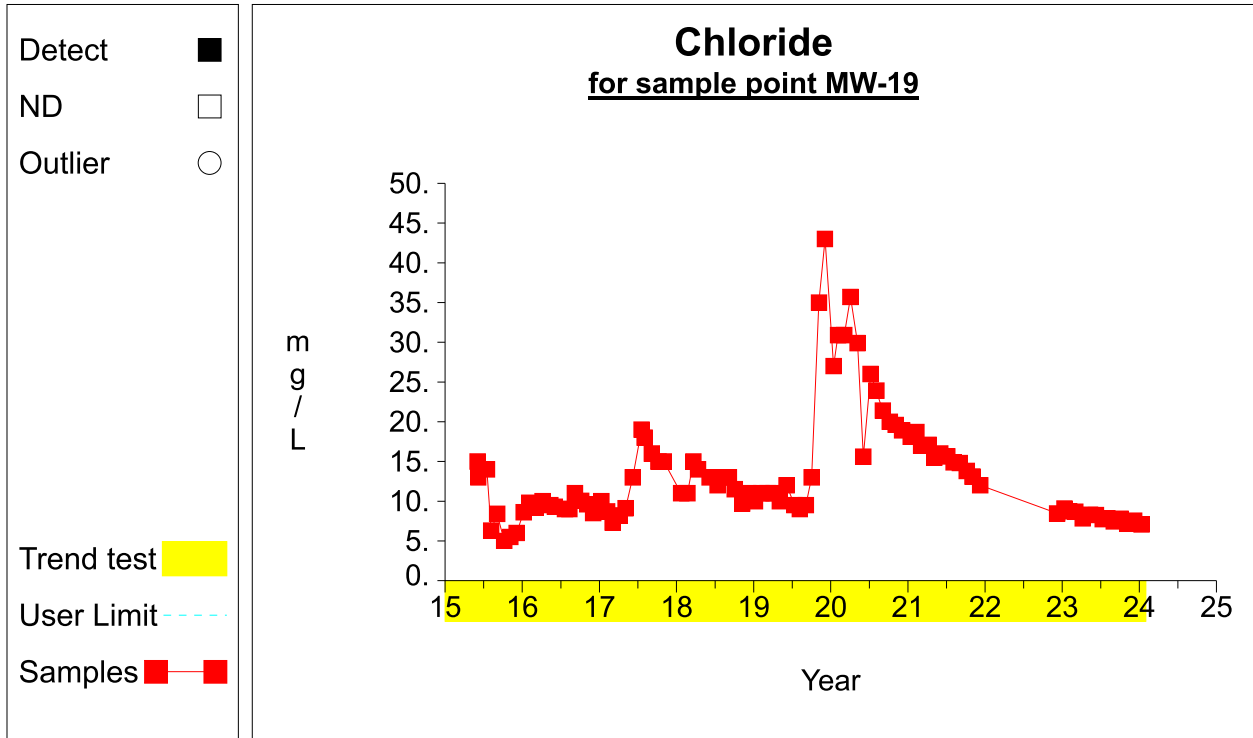
Time Series



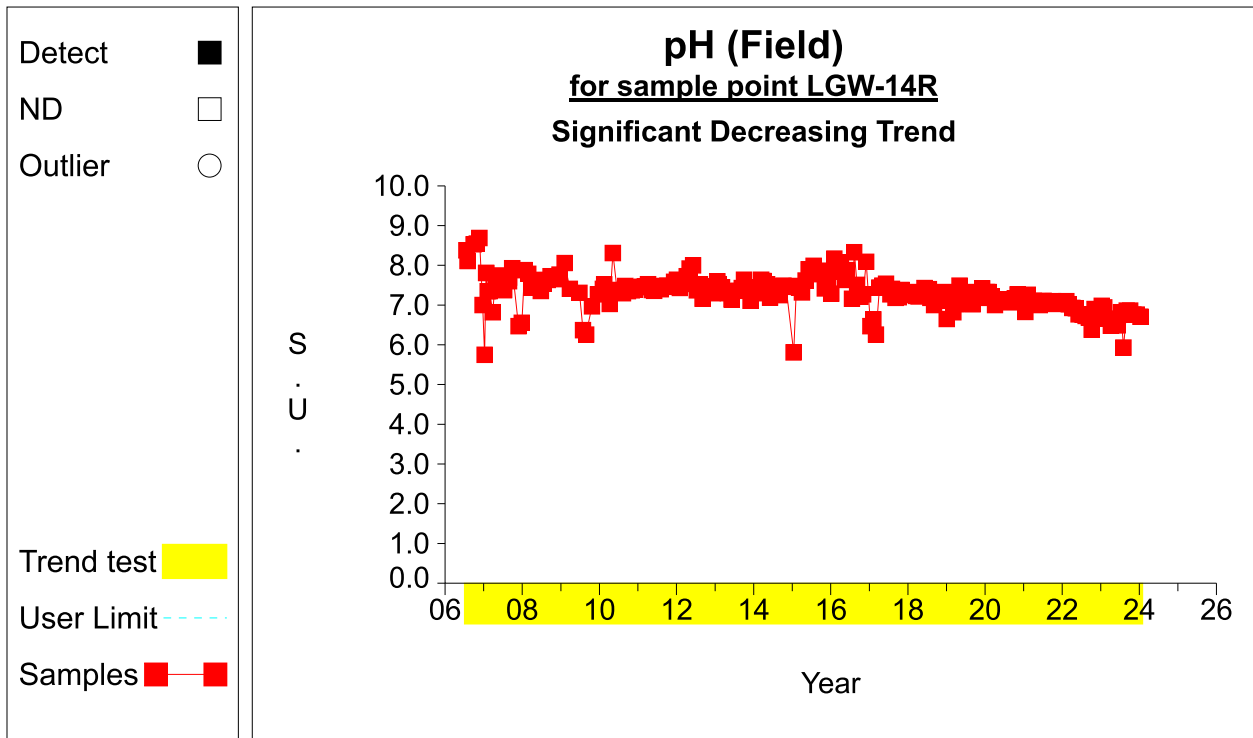
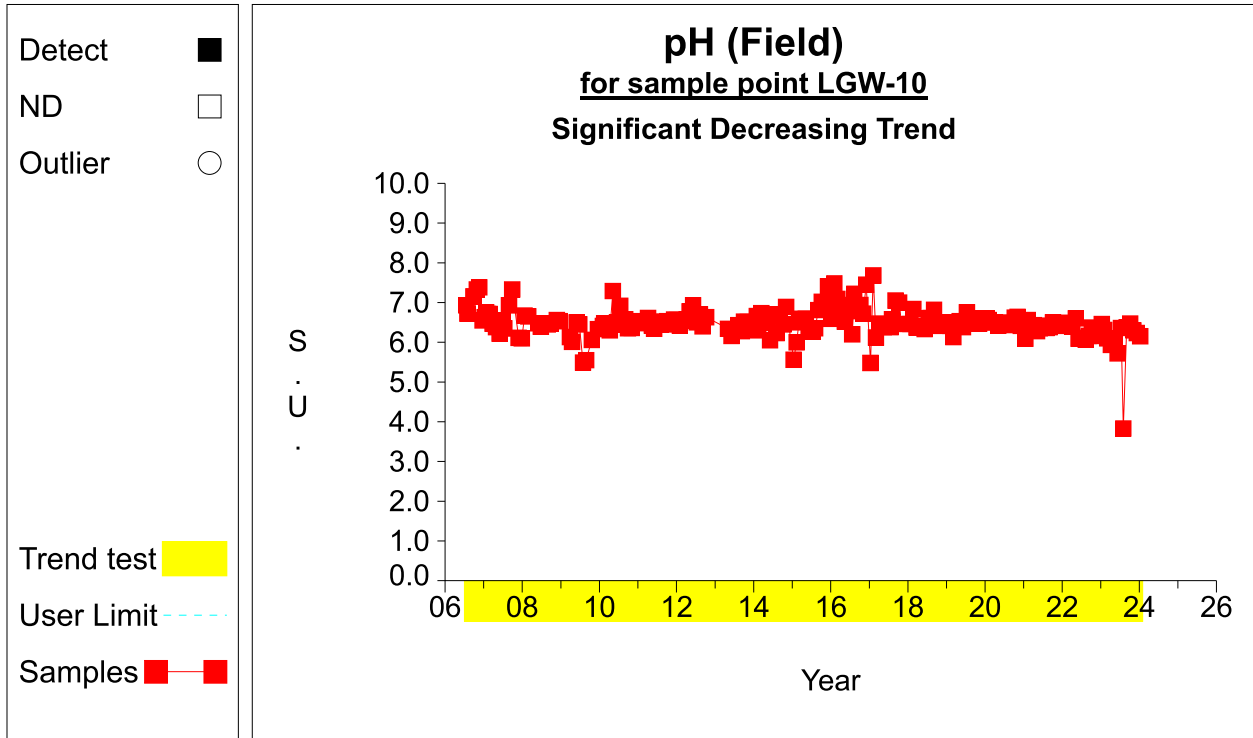
Time Series



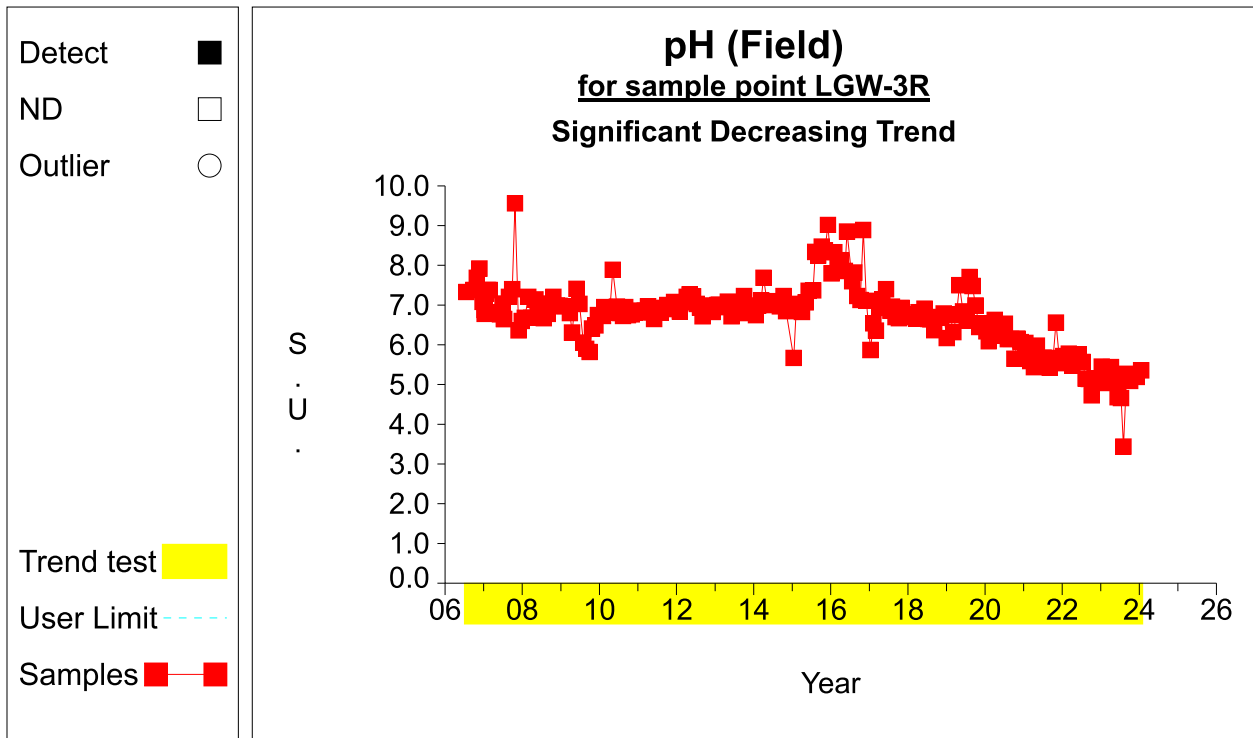
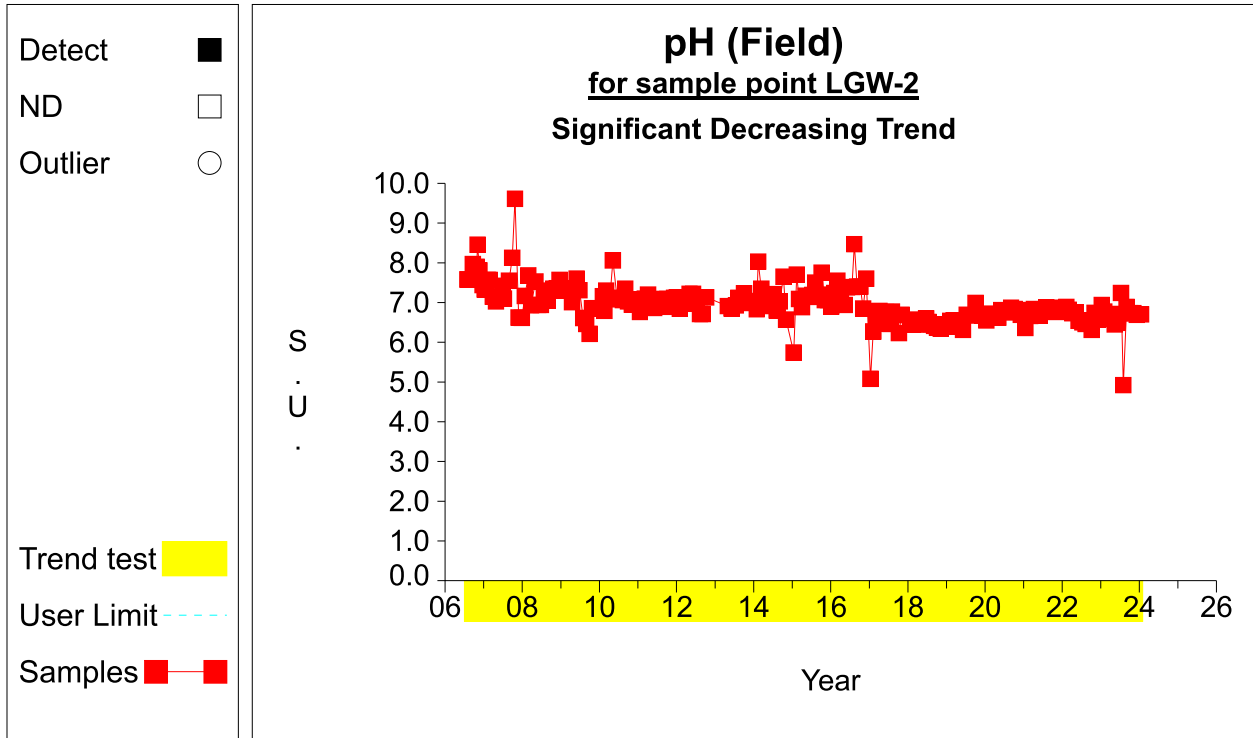
Time Series



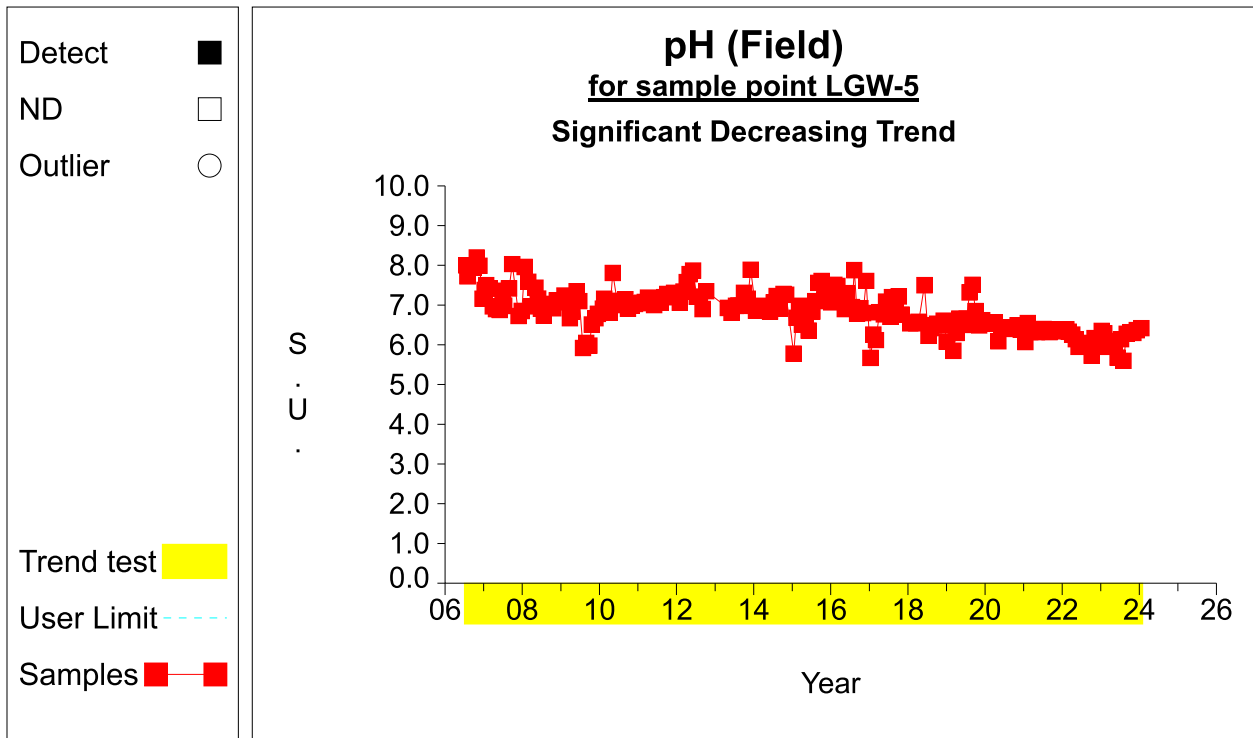
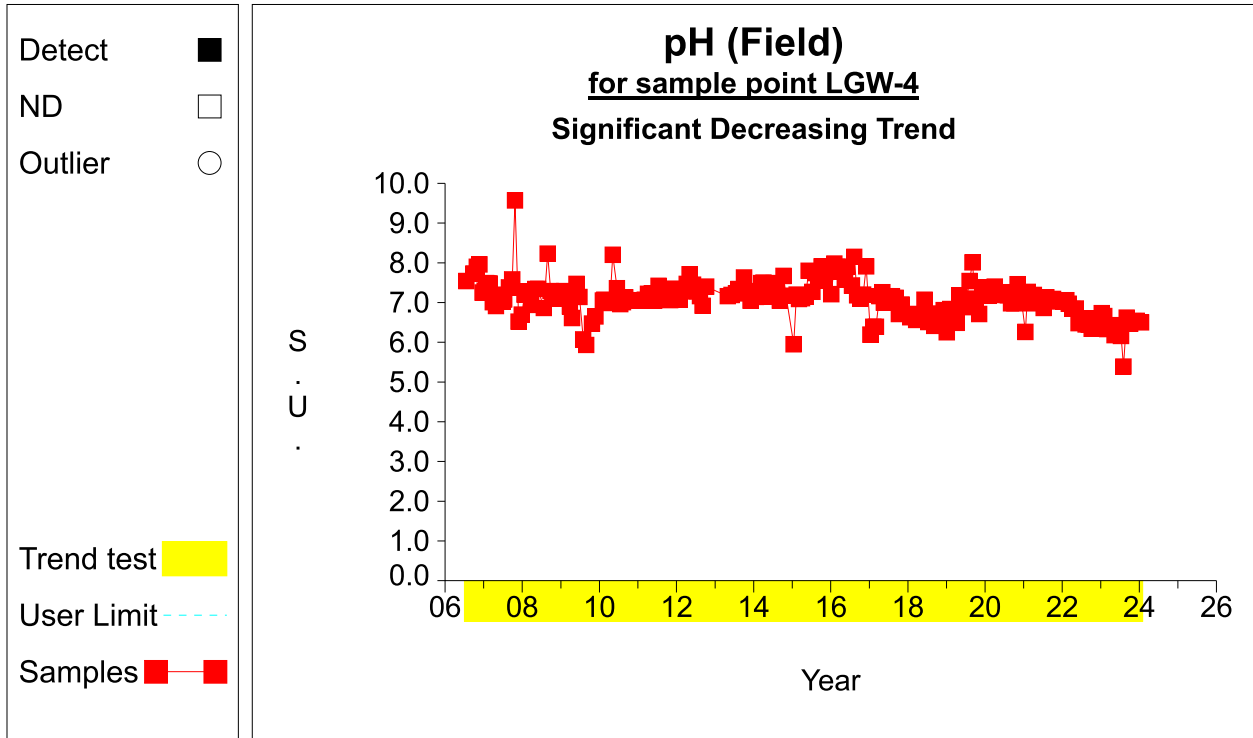
Time Series



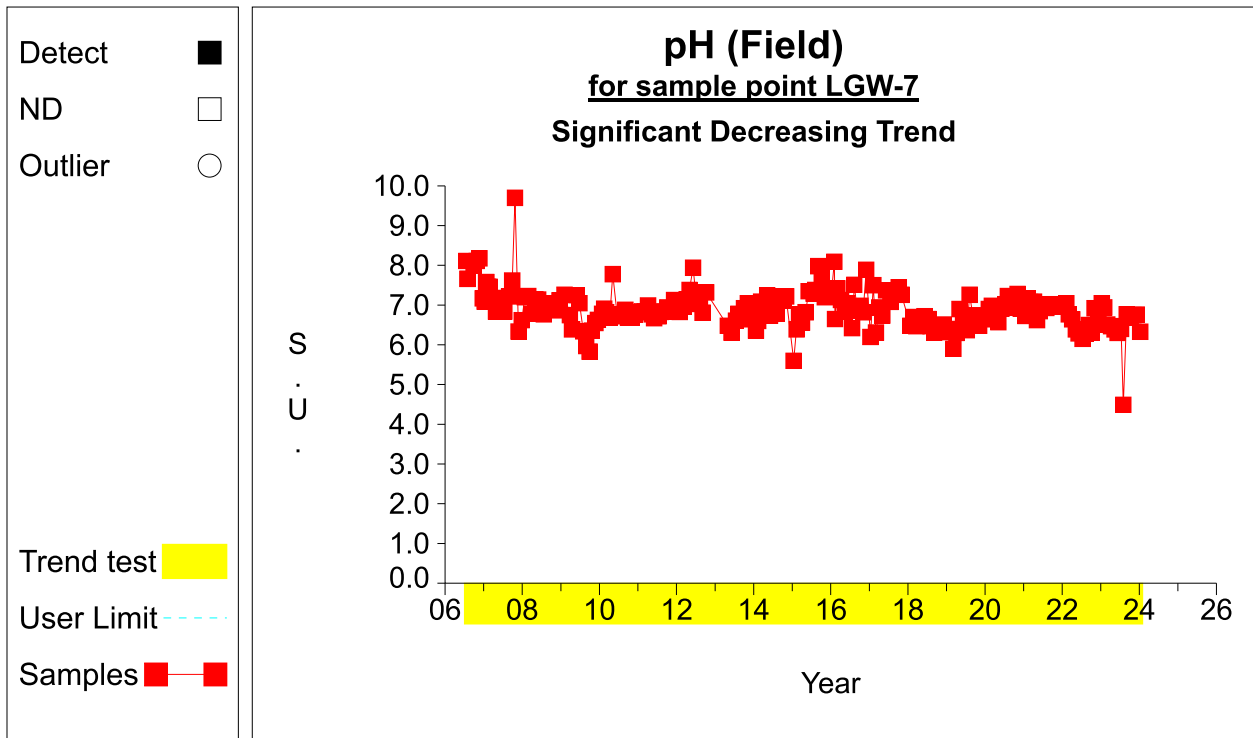
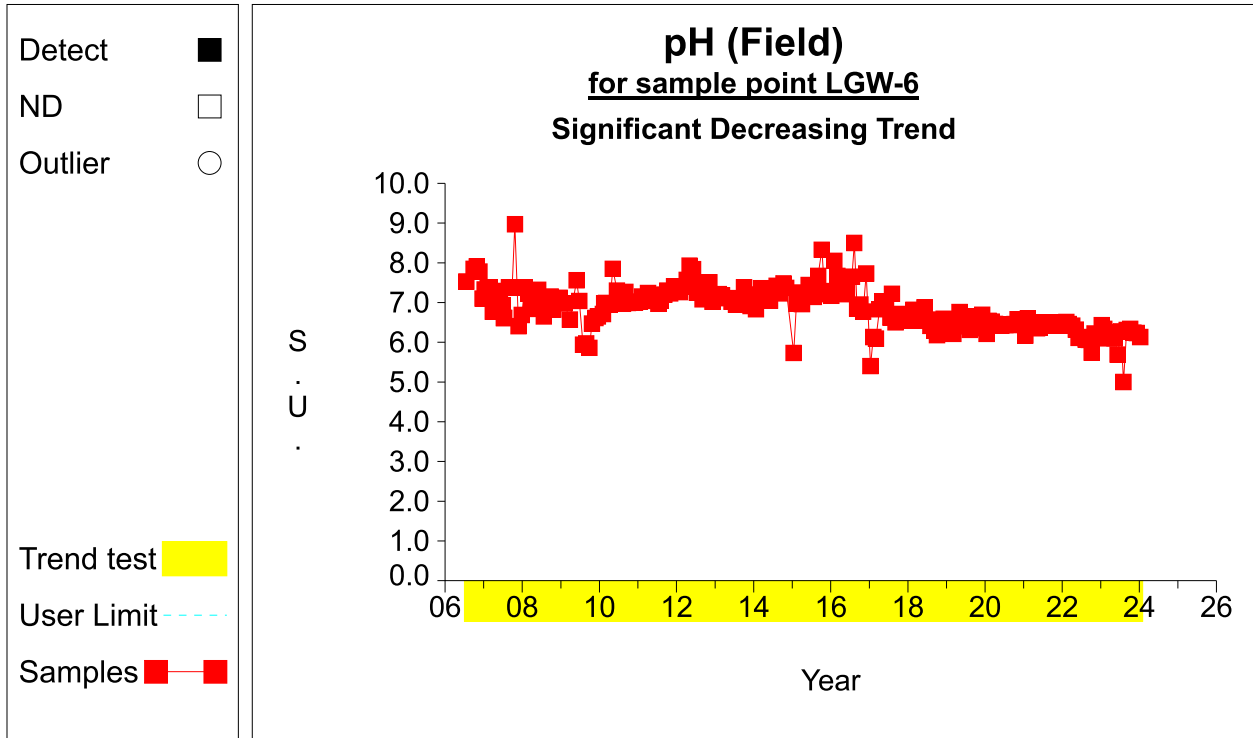
Time Series



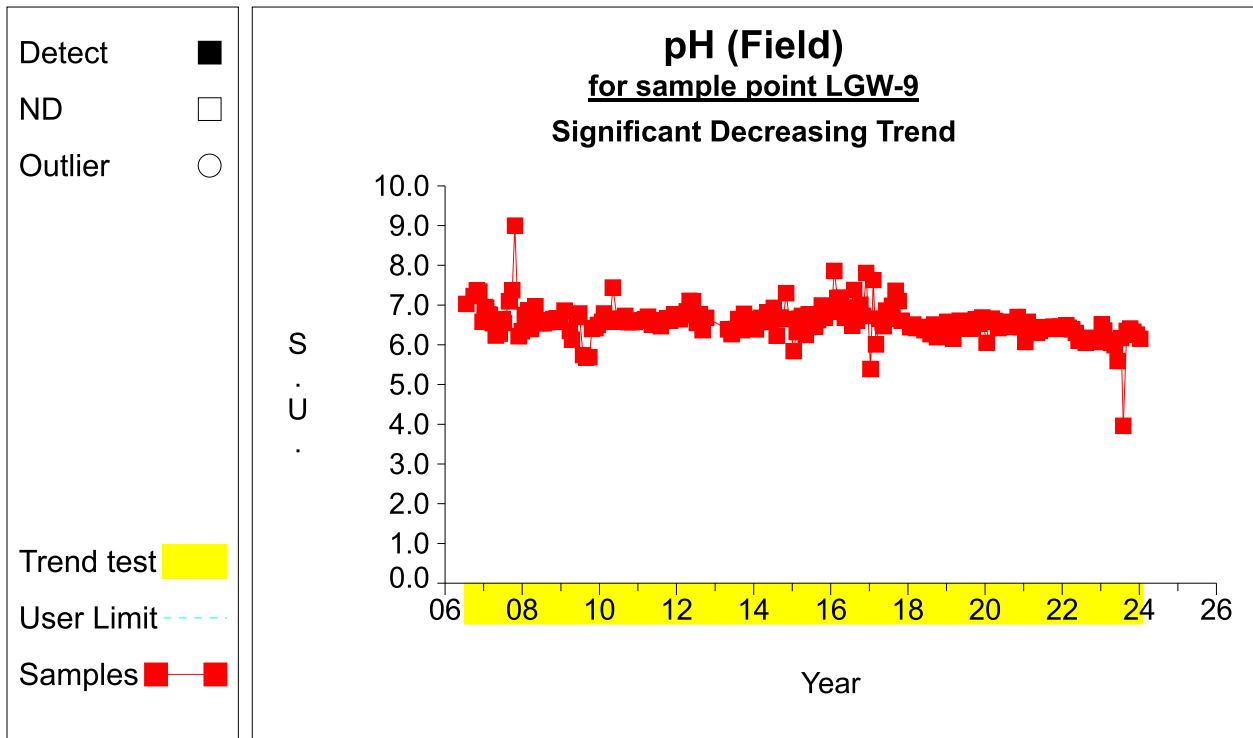
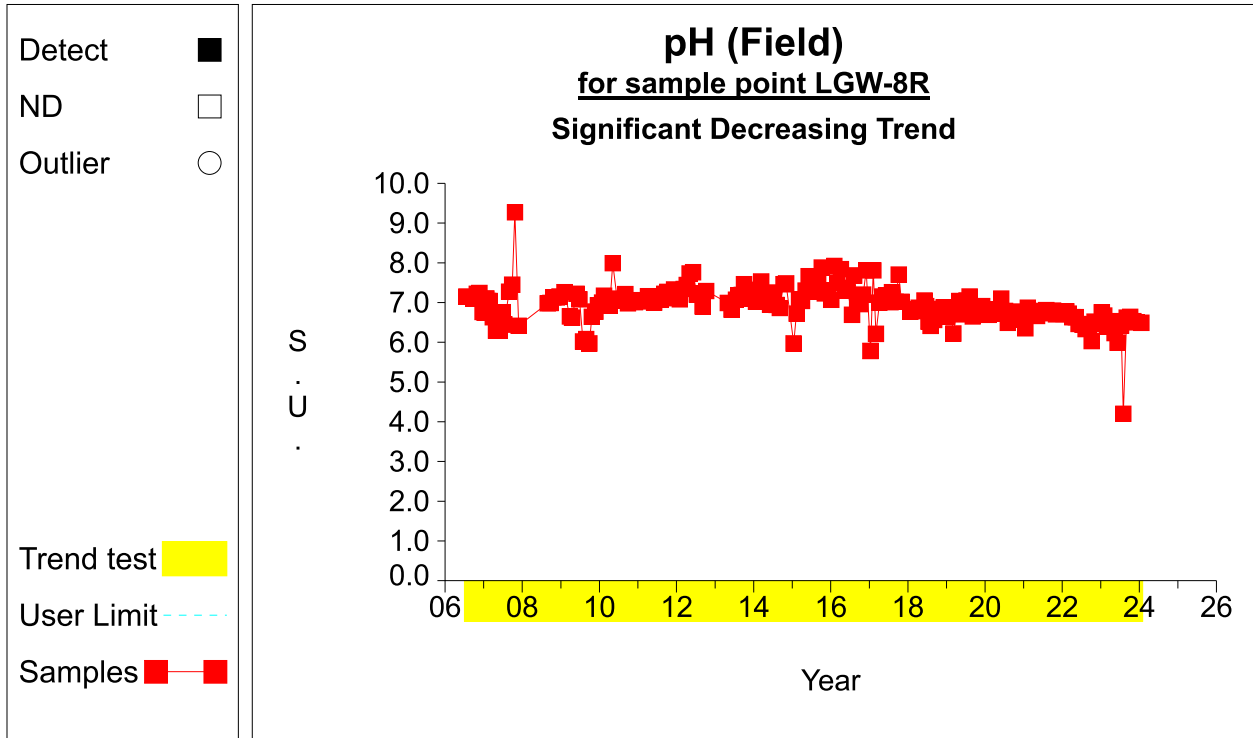
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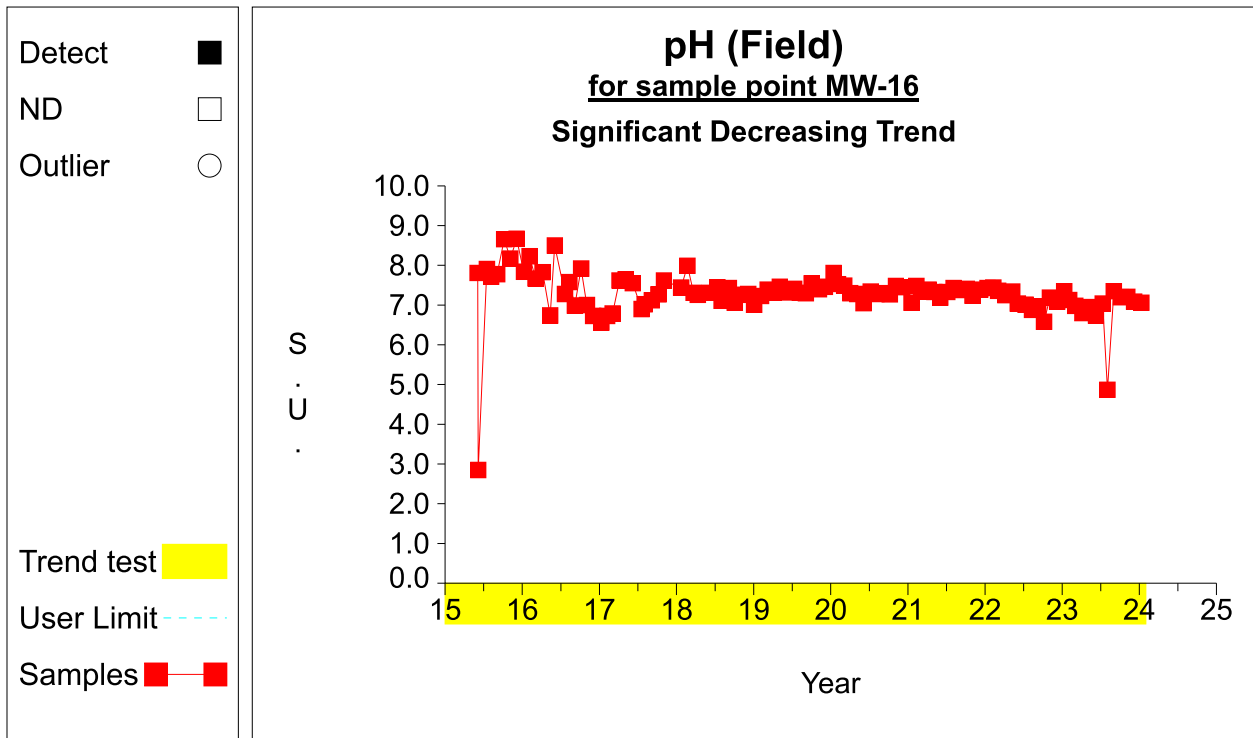
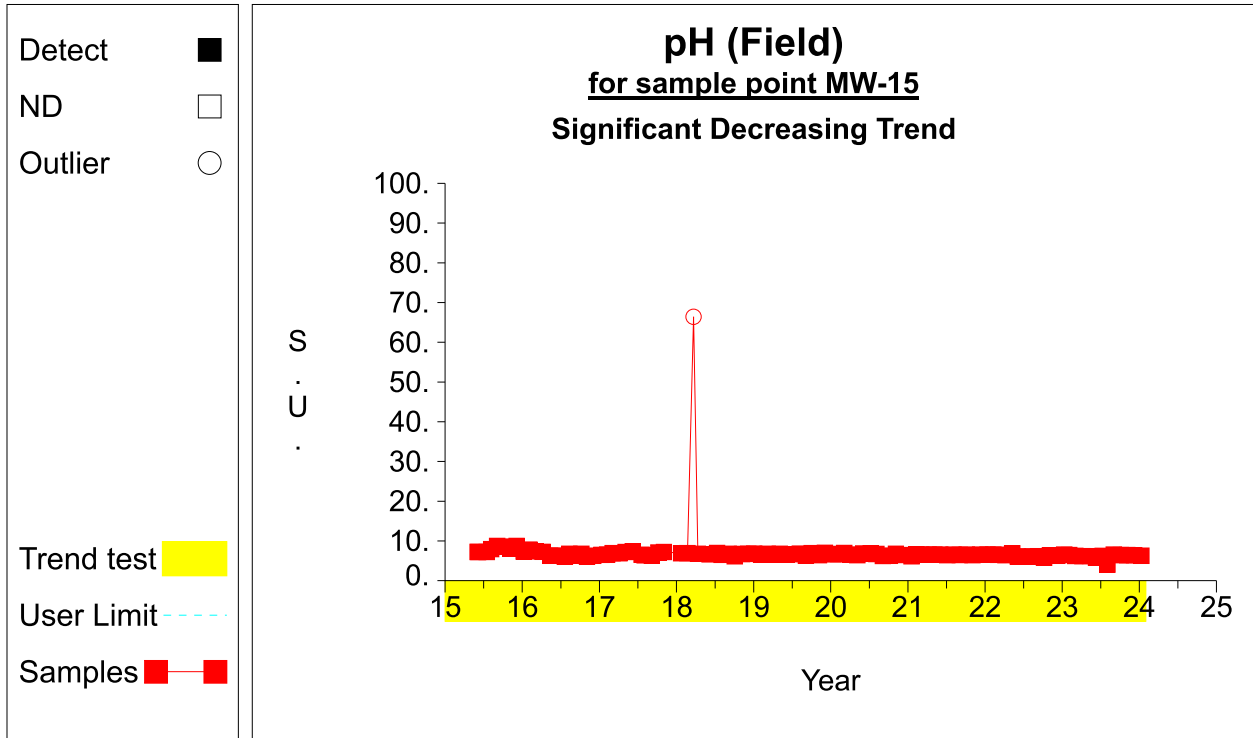
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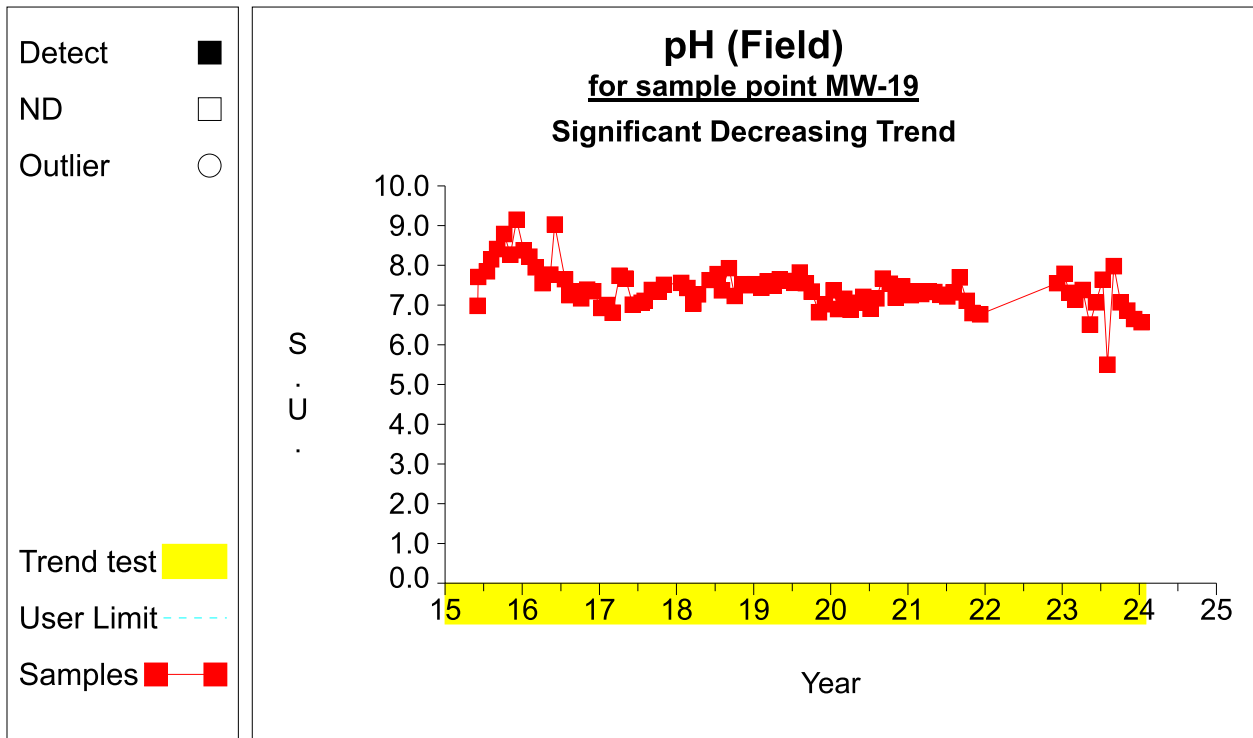
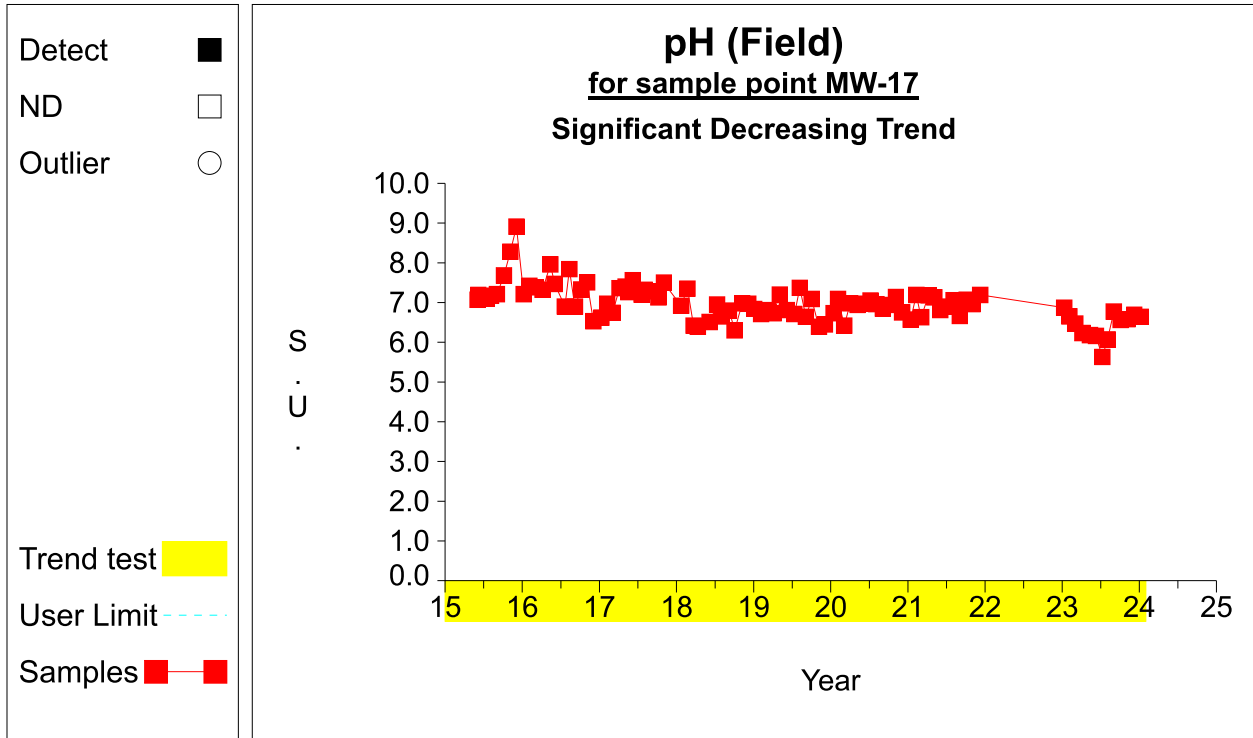
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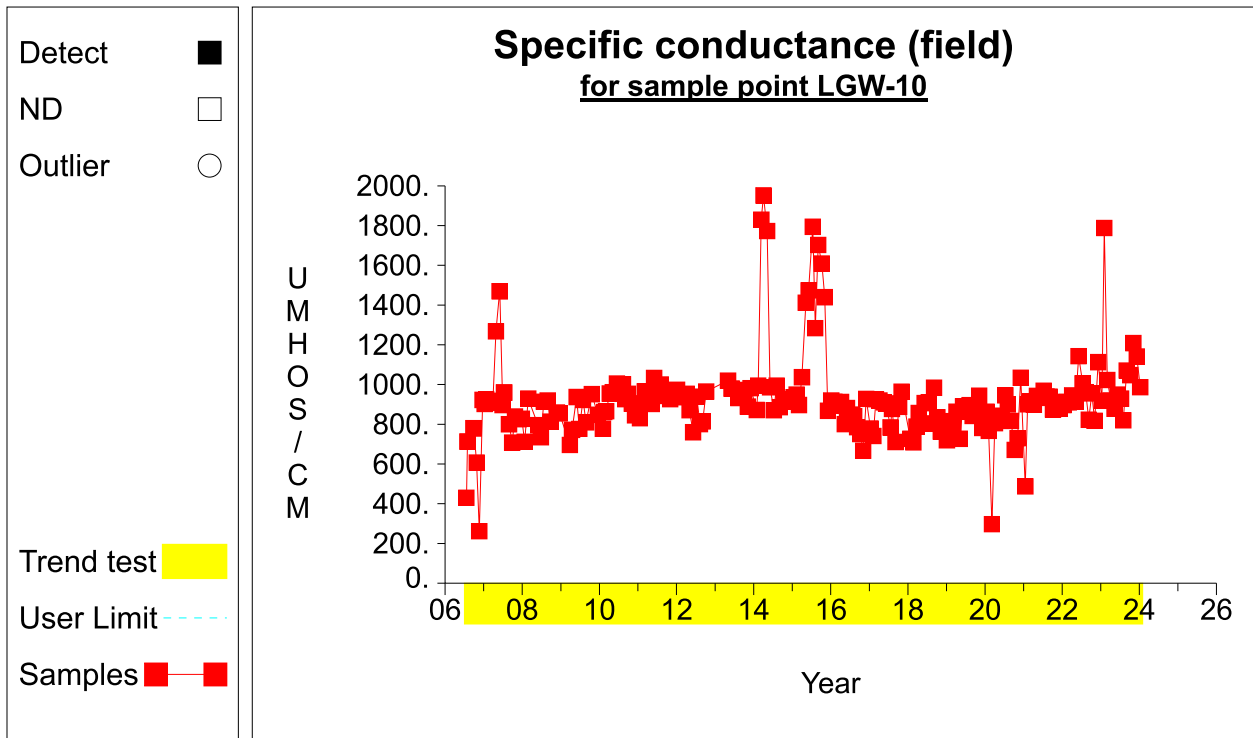
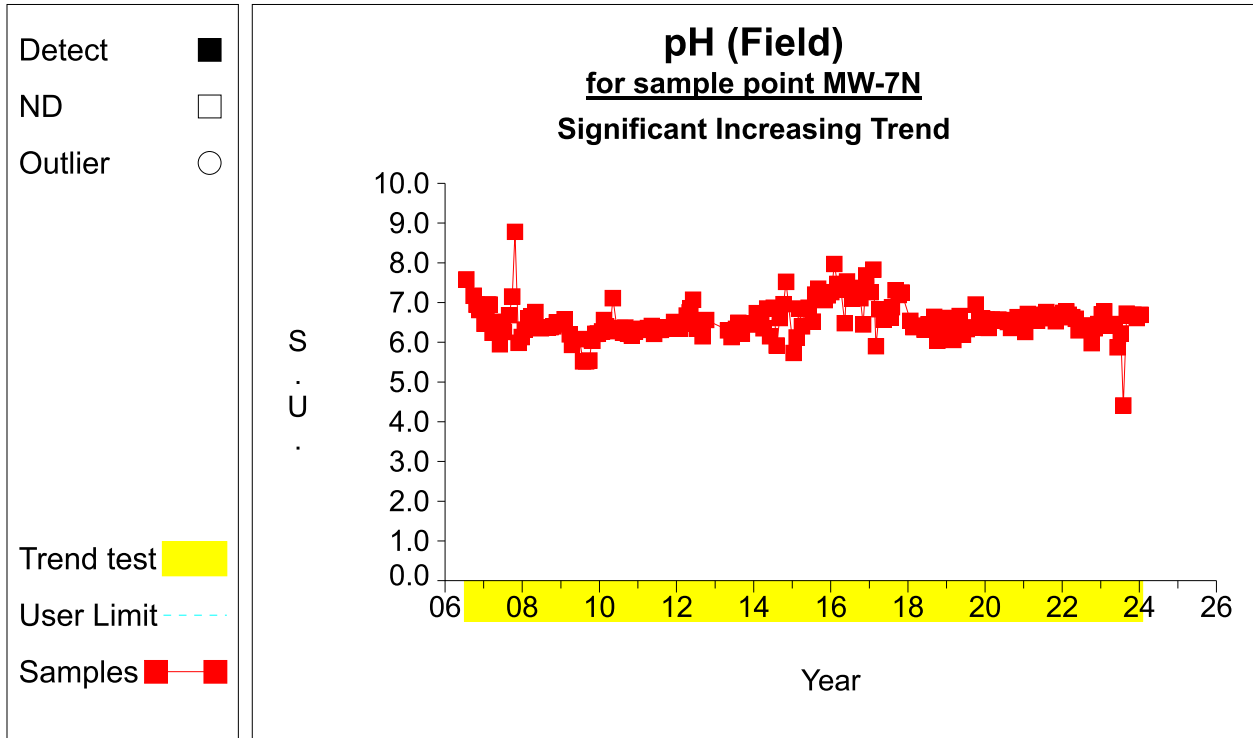
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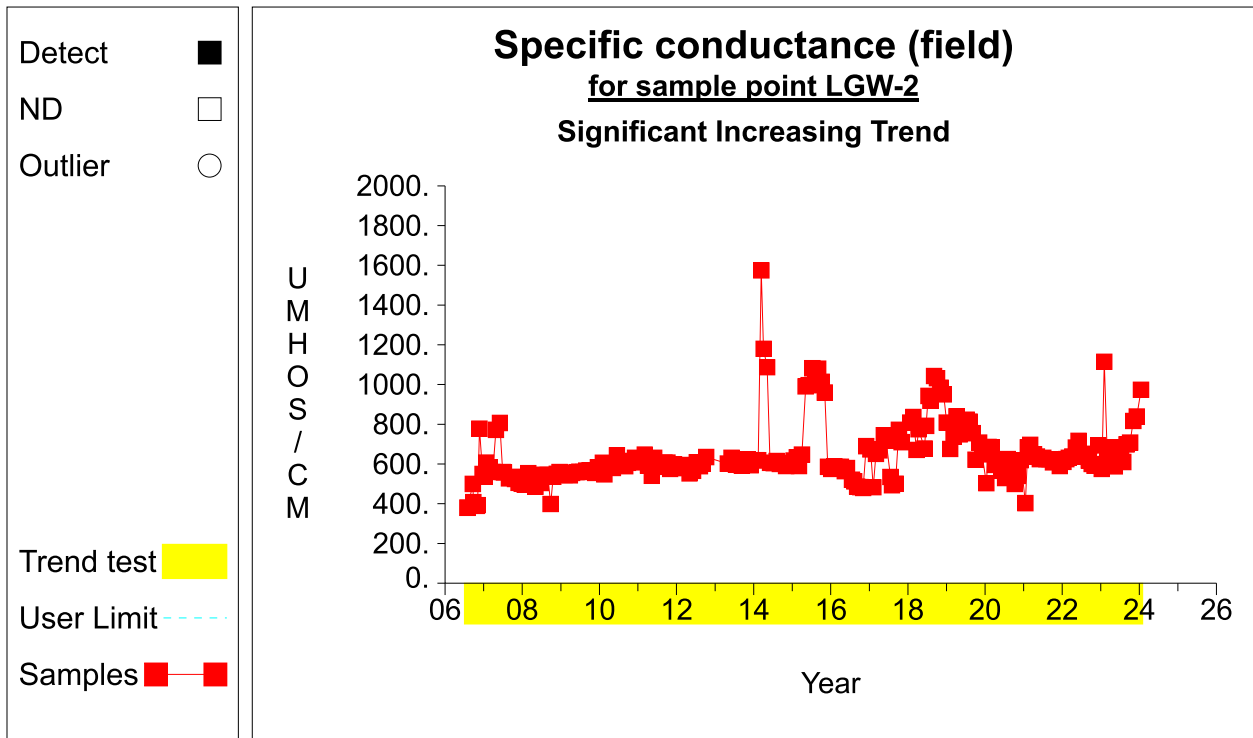
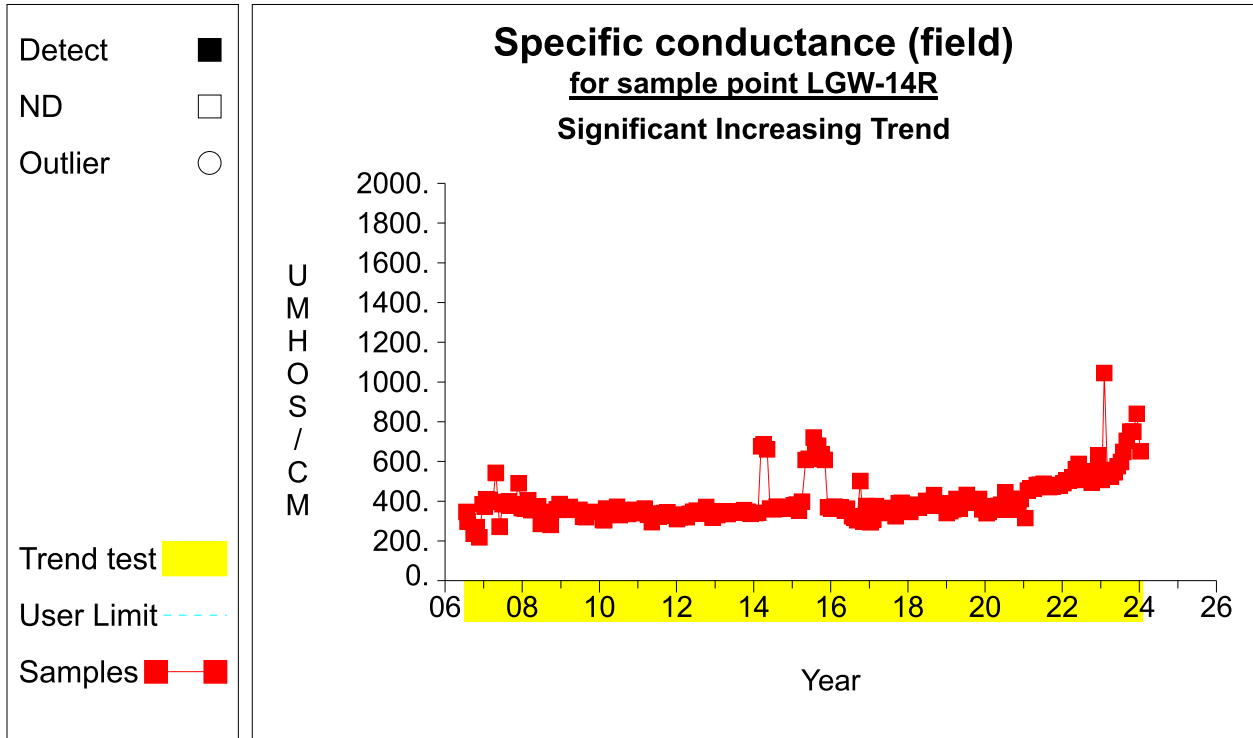
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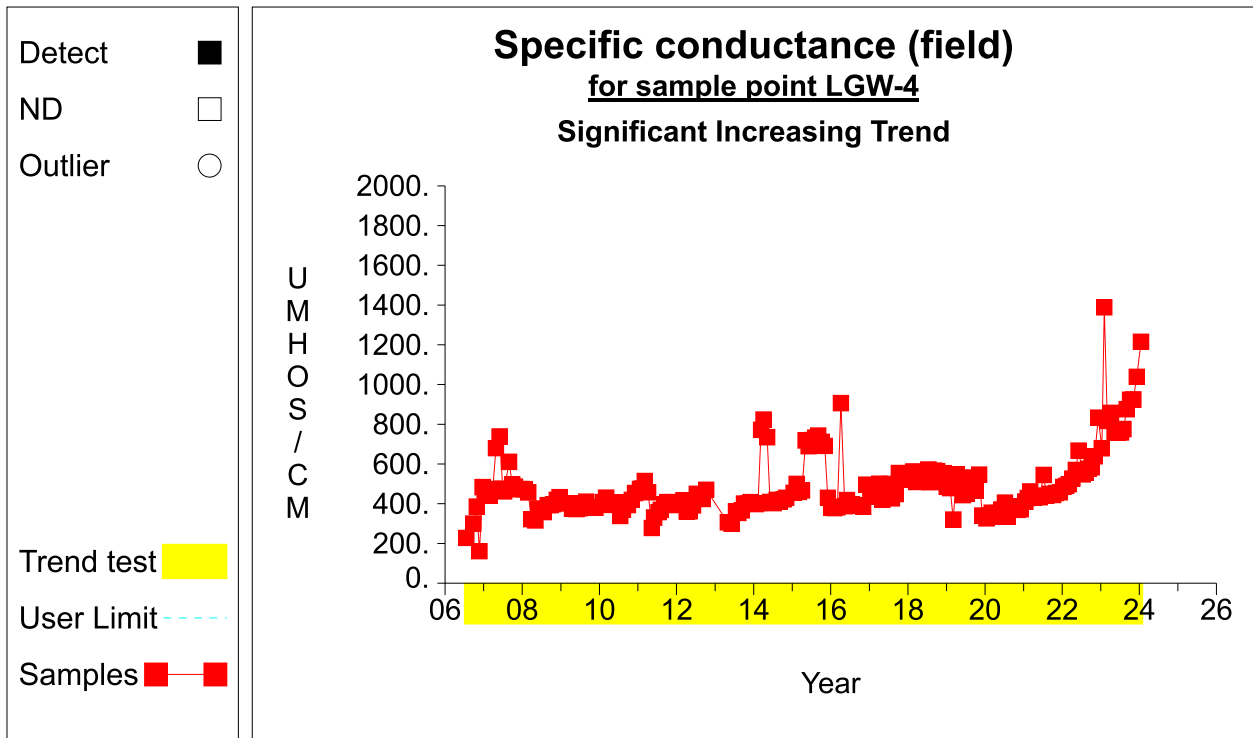
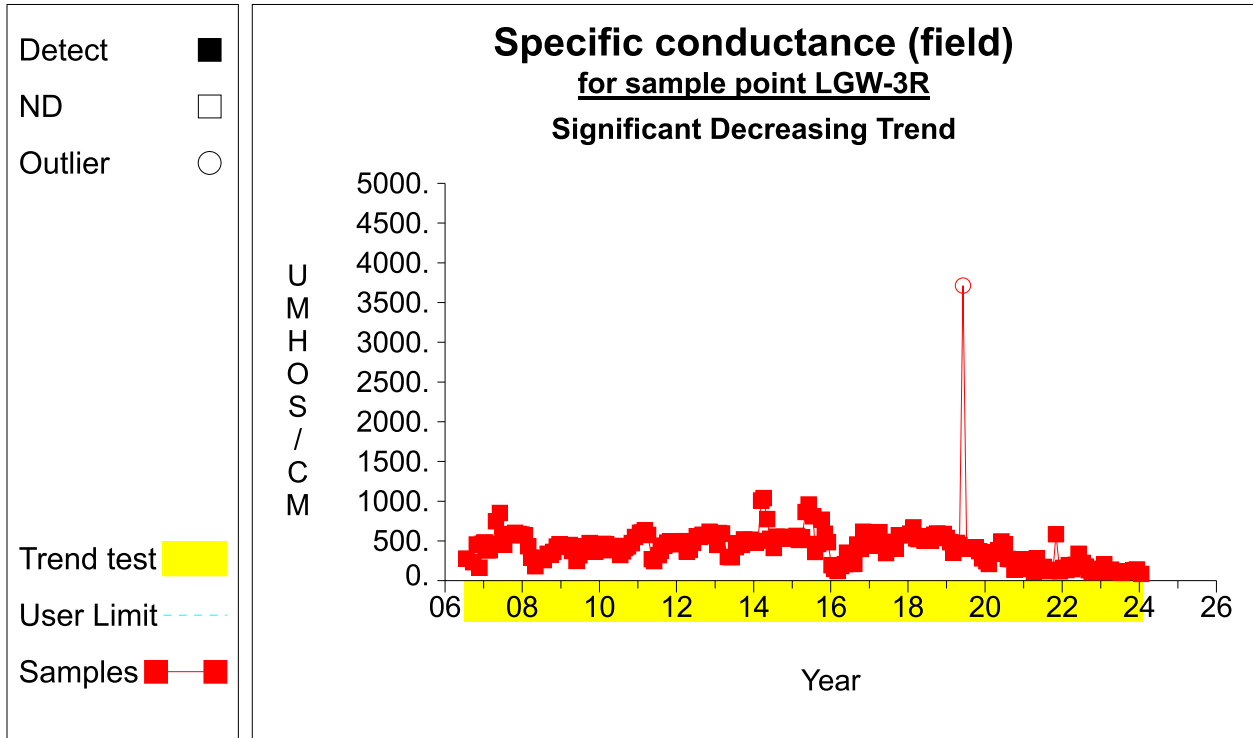
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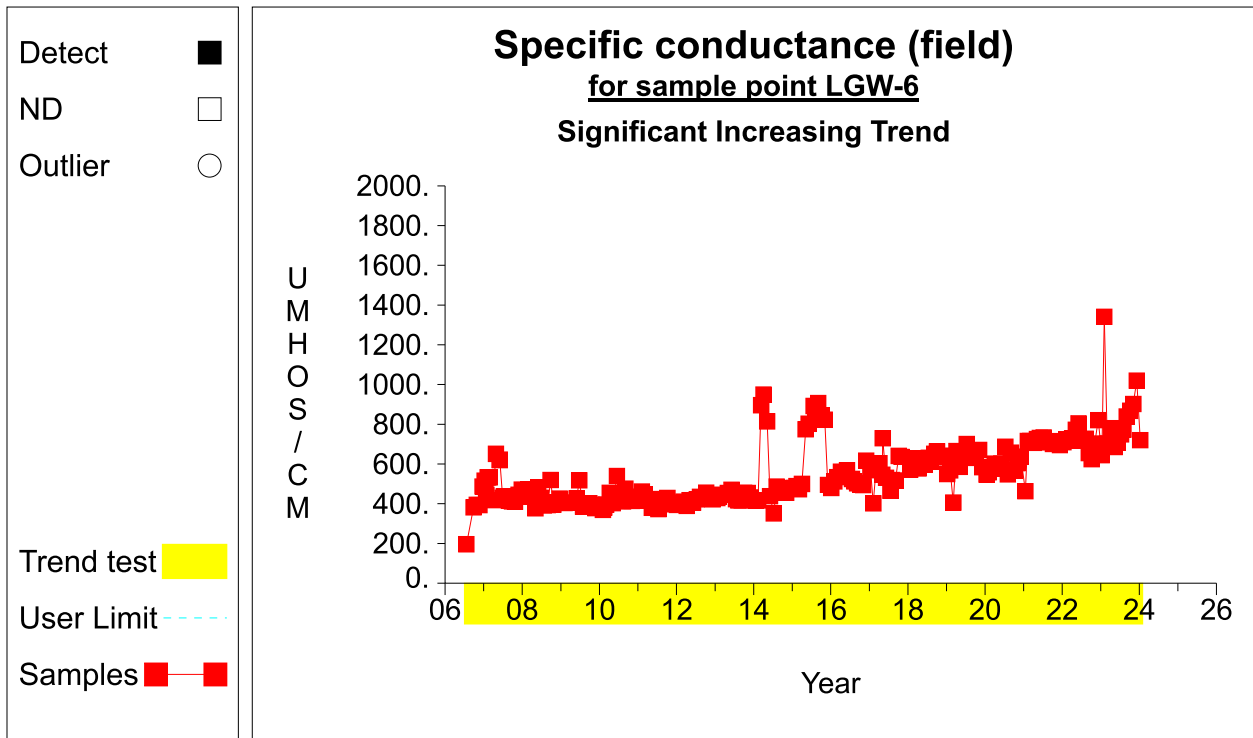
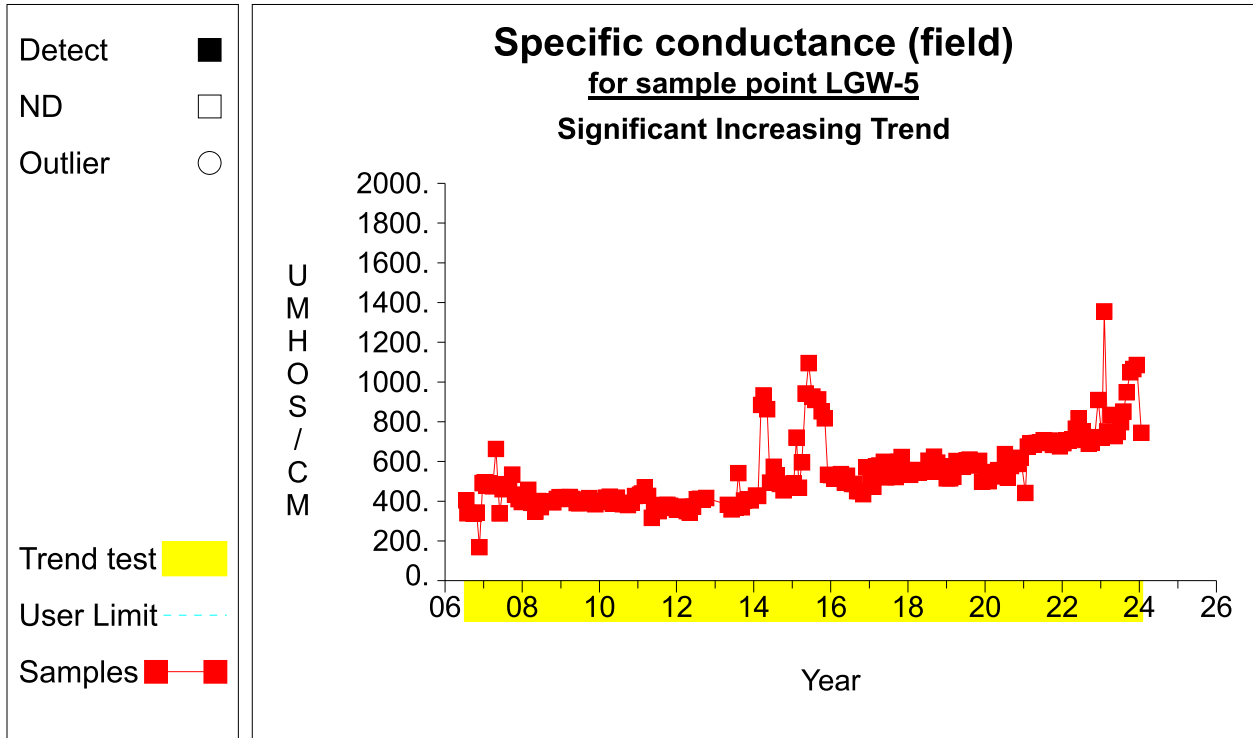
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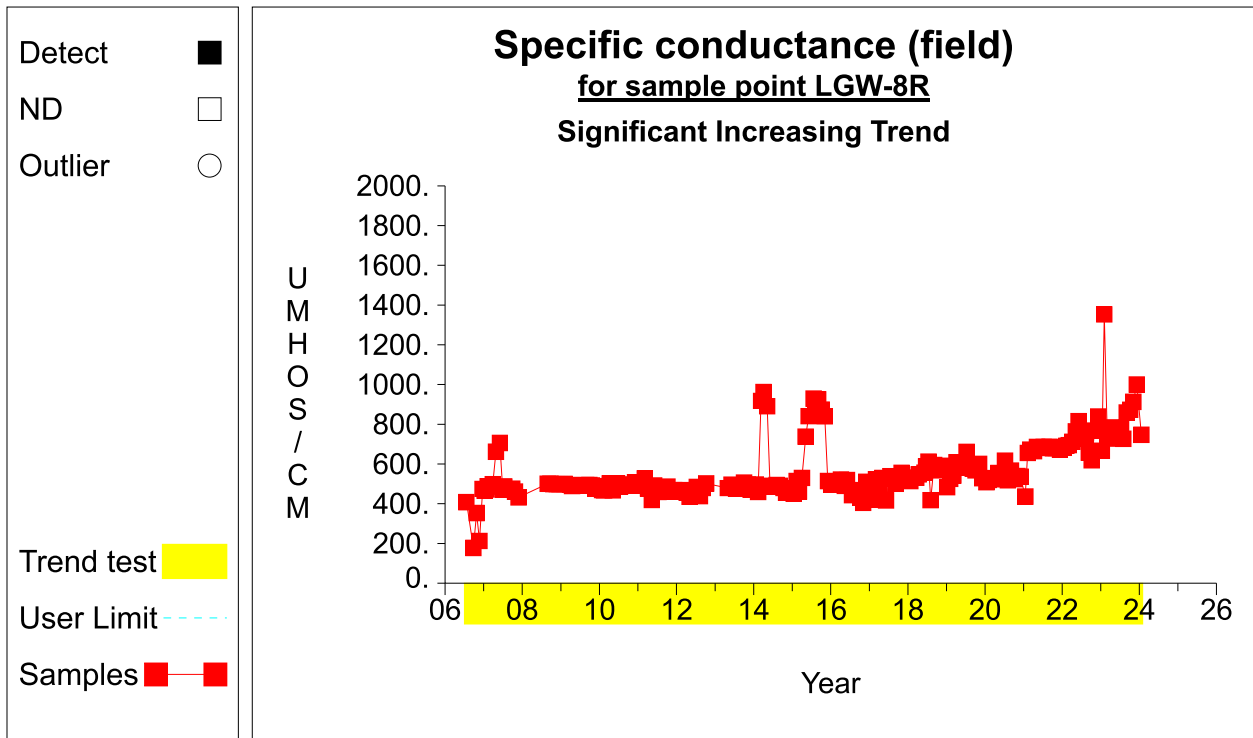
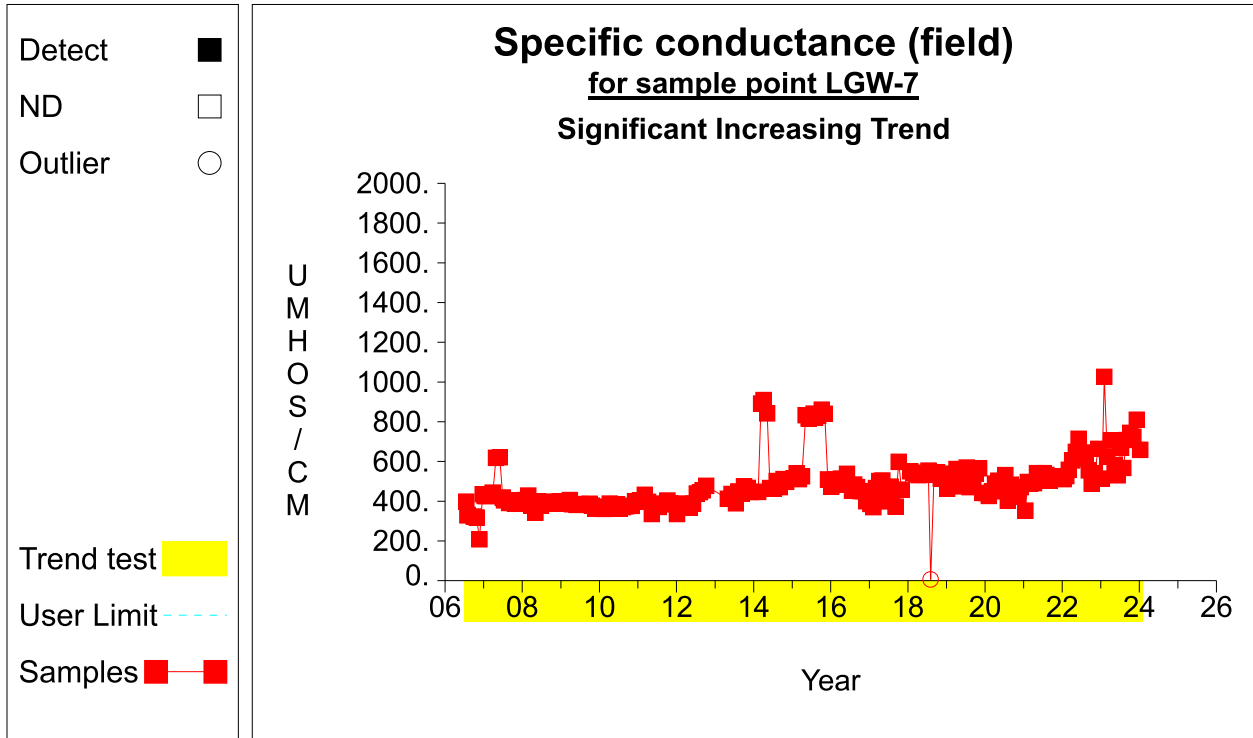
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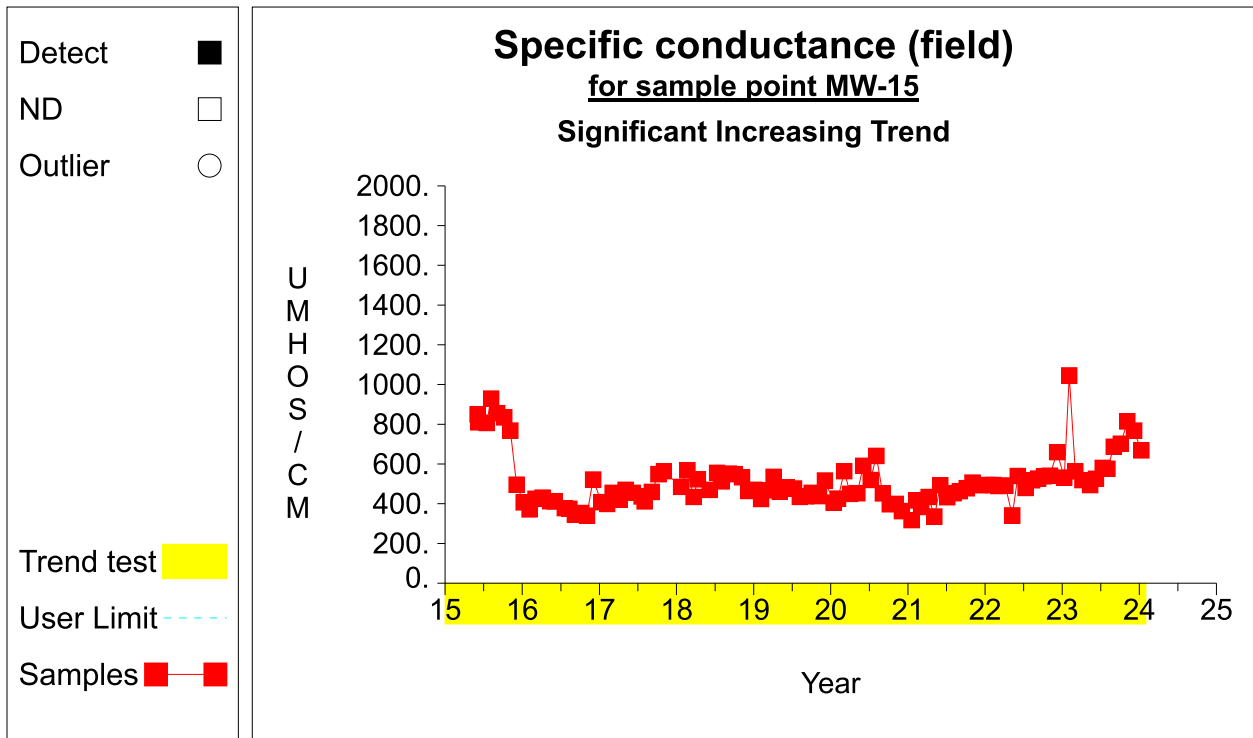
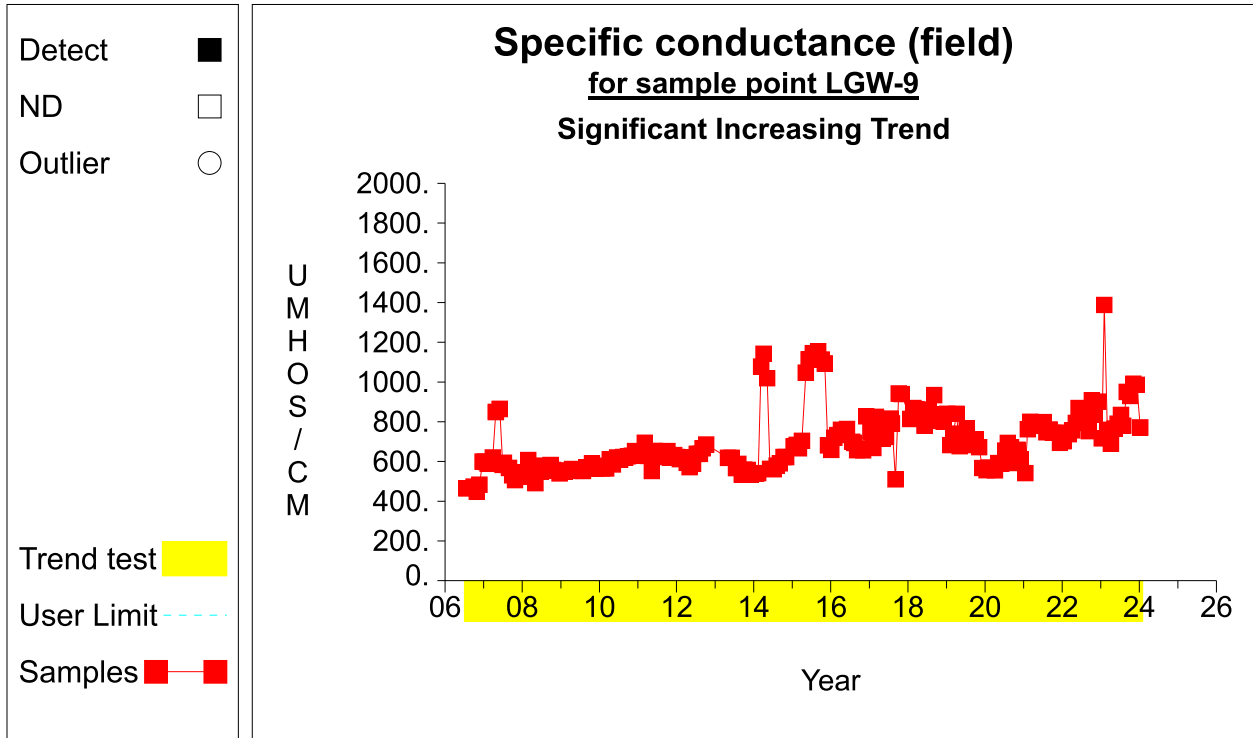
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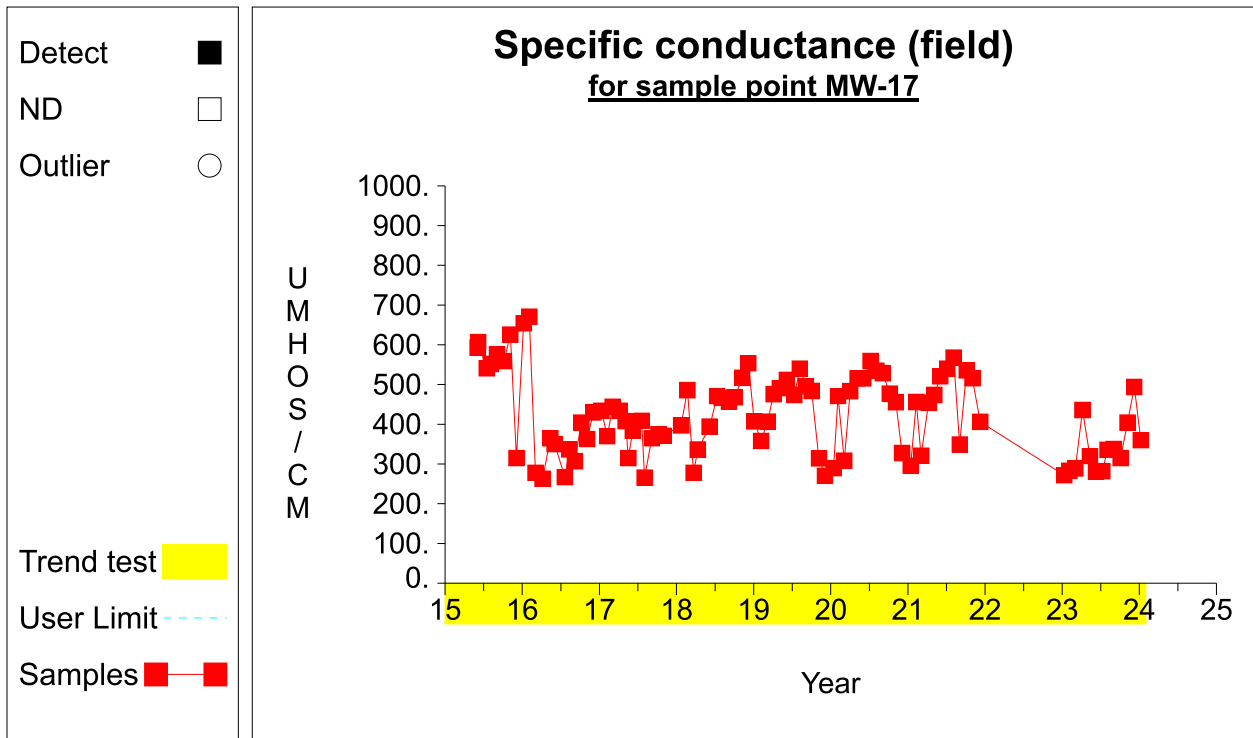
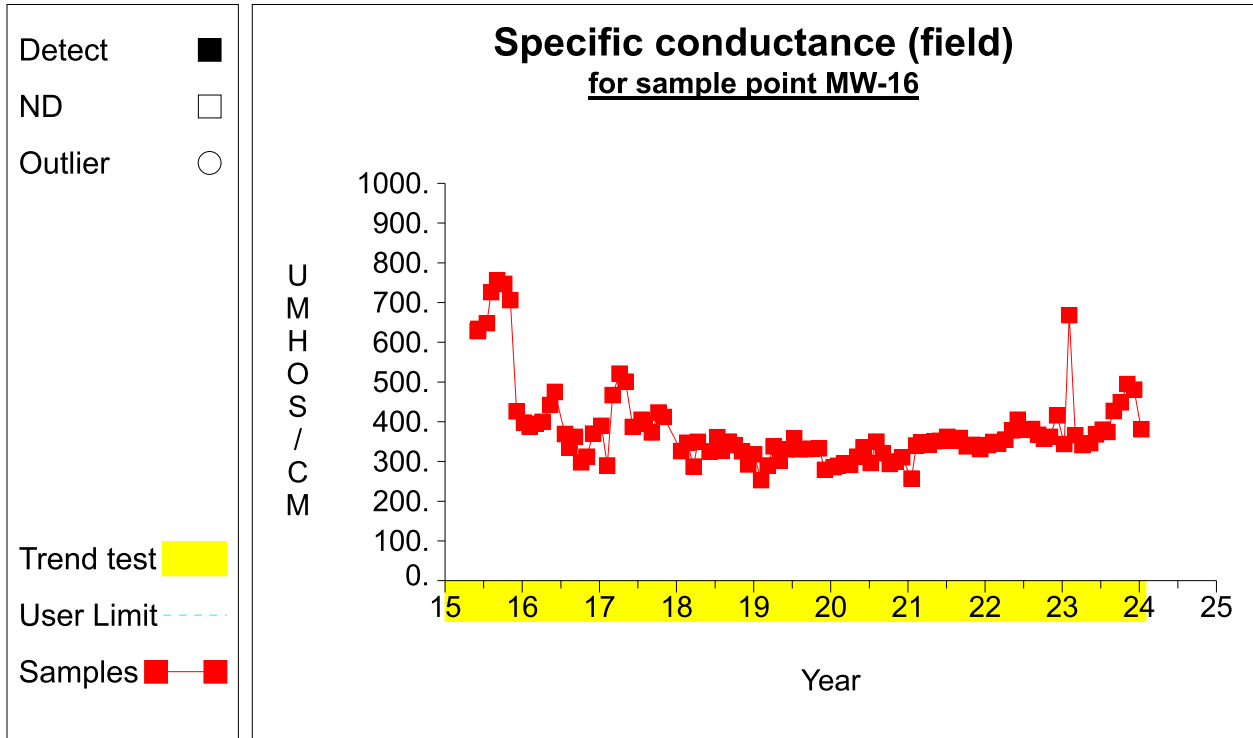
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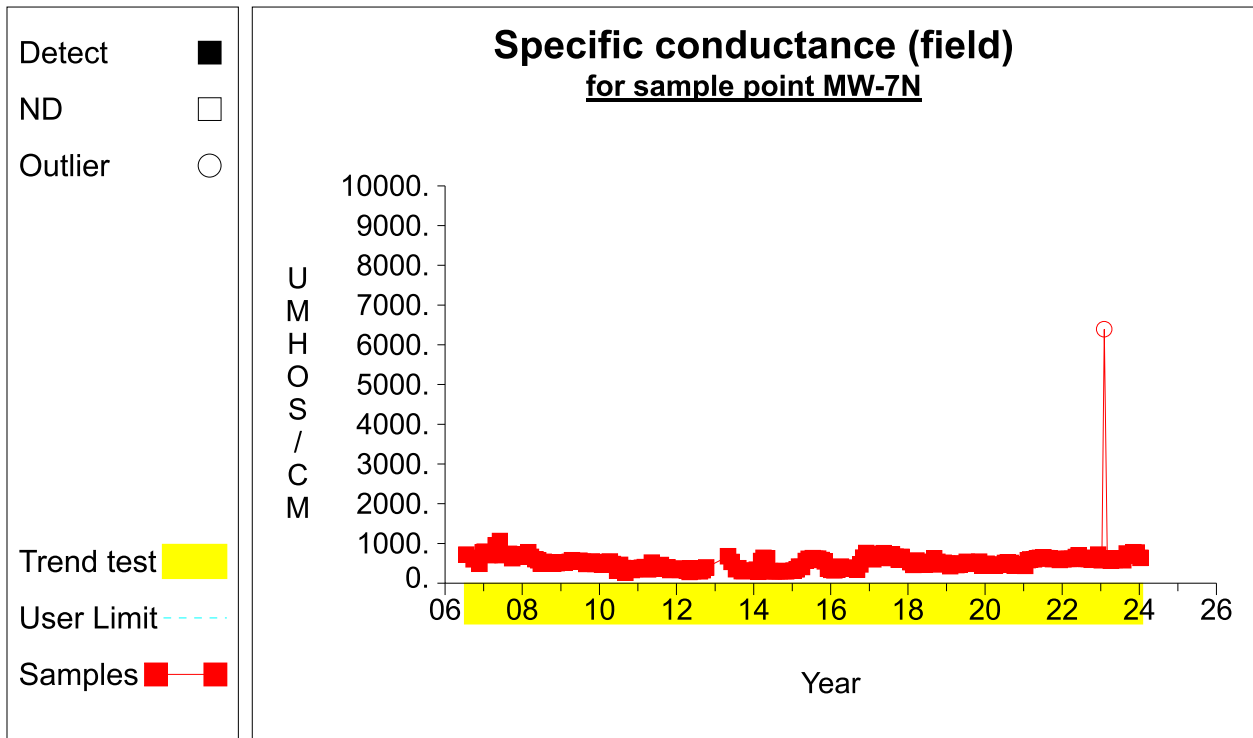
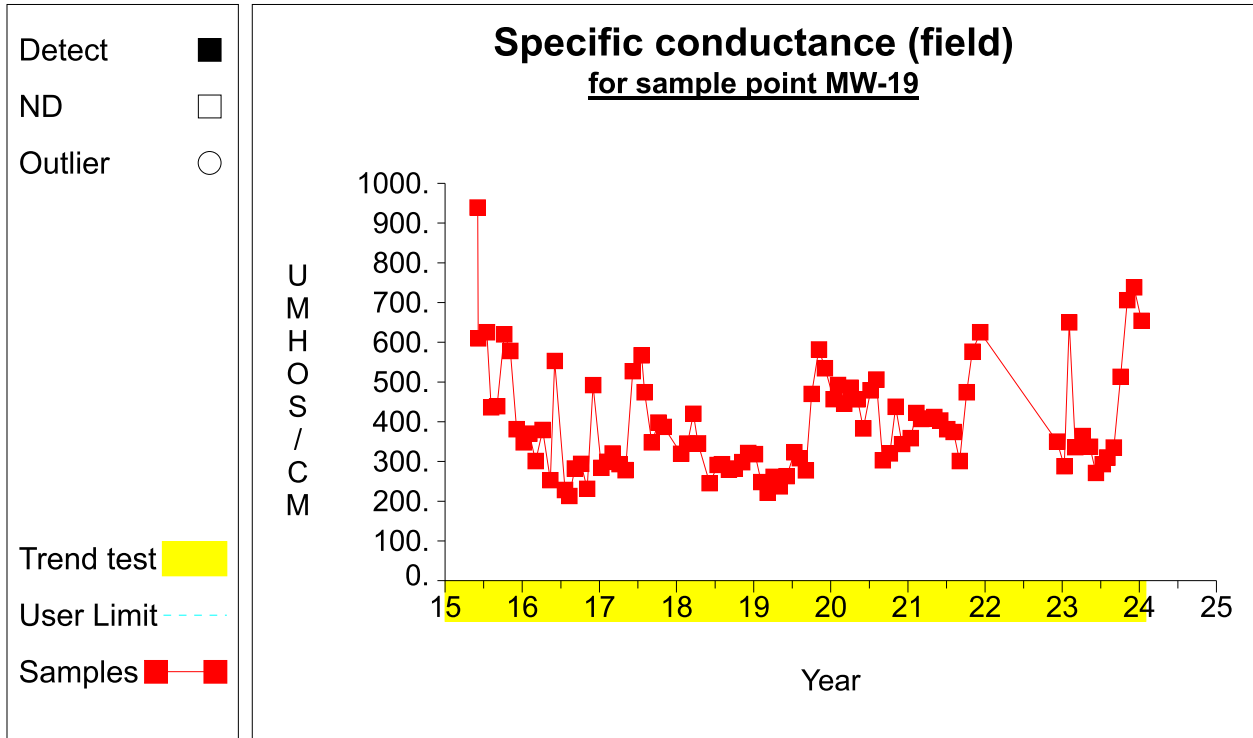
Time Series



Time Series



Time Series



ATTACHMENT D

Chloride Baseline Calculations

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

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

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

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

Well	Date	Constituent	Results	Units	Mean Concentration	Mean Concentration x 10
LGW-4	7/20/2006	Chloride	20	mg/L	14.9	149
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		
LGW-5	8/1/2006	Chloride	13	mg/L	12.4	124
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		

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

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

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

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

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

ATTACHMENT E

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

		CELL 1 LCS			CELL 1 LDS				150 60			
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches) 90" Max.	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14 Day Avg. (gal/acre/day)	Comments
1/1/2024	Mon	29.1	85245	551	31.2	171,420	21.9	0	0.00	0.00		Closed for New Years - Read averaged
1/2/2024	Tue	29.2	85796	1,226	31.6	171,420	21.9	0	0.00			
1/3/2024	Wed	29.4	87022	1,414	31.5	171,420	21.9	0	0.00			
1/4/2024	Thu	28.7	88436	980	31.6	171,420	21.9	0	0.00	0.00	0.00	LDS Flow Meter malfunction, meter swapped. New read is 0
1/5/2024	Fri	29.6	89416	1,135	31.5	171,420	21.9	0	0.00			
1/6/2024	Sat	29.6	90551	1,135	31.5	171,420	21.9	0	0.00			
1/7/2024	Sun	29.6	91686	1,137	31.5	171,420	21.9	2	0.38	0.13		
1/8/2024	Mon	26	92823	1,738	31.0	171,422	21.9	0	0.00			
1/9/2024	Tue	28.8	94561	633	31.0	171,422	21.9	0	0.00			
1/10/2024	Wed	29.1	95194	1,647	30.9	171,422	21.9	0	0.00	0.00		
1/11/2024	Thu	26.9	96841	1,067	30.9	171,422	21.9	0	0.00			
1/12/2024	Fri	27.6	97908	0	30.8	0	21.9	0	0.00			
1/13/2024	Sat	27.6	97908	0	30.8	0	21.9	0	0.00	0.00		
1/14/2024	Sun	27.6	97908	0	30.8	0	21.9	0	0.00			Landfill Closed due to inclement weather. Reads averaged
1/15/2024	Mon	27.6	97908	266	30.8	0	21.9	0	0.00			
1/16/2024	Tue	30.5	98174	1,912	31.1	0	21.9	0	0.00	0.00		
1/17/2024	Wed	28.8	100086	230	31.1	0	21.9	0	0.00			
1/18/2024	Thu	29.3	100316	1,650	31.2	0	21.9	0	0.00		0.03	
1/19/2024	Fri	29.4	101966	0	31.3	0	21.9	0	0.00	0.00		
1/20/2024	Sat	29.4	101966	0	31.3	0	21.9	0	0.00			
1/21/2024	Sun	29.4	101966	0	31.3	0	21.9	0	0.00			
1/22/2024	Mon	30.1	101966	1,157	31.5	0	21.9	0	0.00	0.00		
1/23/2024	Tue	27.8	103123	2,178	31.6	0	21.9	0	0.00			
1/24/2024	Wed	27.8	105301	1,660	31.6	0	21.9	0	0.00			
1/25/2024	Thu	27.4	106961	1,150	31.9	0	21.9	0	0.00	0.00		
1/26/2024	Fri	28.4	108111	1,201	31.8	0	21.9	0	0.00			
1/27/2024	Sat	28.4	109312	1,201	31.8	0	21.9	0	0.00			
1/28/2024	Sun	28.4	110513	1,203	31.8	0	21.9	0	0.00	0.00		
1/29/2024	Mon	29.3	111716	1,339	32.5	0	21.9	0	0.00			
1/30/2024	Tue	29.3	113055	1,124	32.6	0	21.9	0	0.00			
1/31/2024	Wed	28.1	114179	1,106	32.8	0	21.9	0	0.00	0.00		

		CELL 2 LCS			CELL 2 LDS				150	60		
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments
1/1/2024	Mon	22.1	28987	0	29.5	11,159	20.9	0	0.00			Closed for New Years - Read averaged
1/2/2024	Tue	22.5	28987	406	30.3	11,159	20.9	0	0.00			
1/3/2024	Wed	19.6	29393	0	30.1	11,159	20.9	0	0.00	0.00		
1/4/2024	Thu	20.4	29393	0	30.1	11,159	20.9	0	0.00			
1/5/2024	Fri	20.9	29393	0	30.0	11,159	20.9	0	0.00			
1/6/2024	Sat	20.9	29393	0	30.0	11,159	20.9	0	0.00	0.00		
1/7/2024	Sun	20.9	29393	0	30.0	11,159	20.9	0	0.00			
1/8/2024	Mon	22.3	29393	328	29.7	11,159	20.9	0	0.00		0.00	
1/9/2024	Tue	16.4	29721	0	30.0	11,159	20.9	0	0.00	0.00		
1/10/2024	Wed	18.7	29721	0	30.4	11,159	20.9	0	0.00			
1/11/2024	Thu	19.6	29721	0	30.3	11,159	20.9	0	0.00			
1/12/2024	Fri	19.8	29721	0	30.5	11,159	20.9	0	0.00	0.00		
1/13/2024	Sat	19.8	29721	0	30.5	11,159	20.9	0	0.00			
1/14/2024	Sun	19.8	29721	0	30.5	11,159	20.9	0	0.00			
1/15/2024	Mon	19.8	29721	0	30.5	11,159	20.9	0	0.00	0.00		Landfill Closed due to inclement weather. Reads averaged
1/16/2024	Tue	21.1	29721	0	31.1	11,159	20.9	0	0.00			
1/17/2024	Wed	21.3	29721	0	31.0	11,159	20.9	0	0.00			
1/18/2024	Thu	21.7	29721	0	31.6	11,159	20.9	0	0.00	0.00		
1/19/2024	Fri	22	29721	0	31.6	11,159	20.9	0	0.00			
1/20/2024	Sat	22	29721	0	31.6	11,159	20.9	0	0.00			
1/21/2024	Sun	22	29721	0	31.6	11,159	20.9	0	0.00	0.00		
1/22/2024	Mon	23.7	29721	0	32.2	11,159	20.9	0	0.00		0.00	
1/23/2024	Tue	24.1	29721	0	32.4	11,159	20.9	0	0.00			
1/24/2024	Wed	24.8	29721	0	32.3	11,159	20.9	0	0.00	0.00		
1/25/2024	Thu	25.5	29721	0	32.3	11,159	20.9	0	0.00			
1/26/2024	Fri	28.5	29721	149	32.5	11,159	20.9	0	0.00			
1/27/2024	Sat	28.5	29870	149	32.5	11,159	20.9	0	0.00	0.00		
1/28/2024	Sun	28.5	30019	151	32.5	11,159	20.9	0	0.00			
1/29/2024	Mon	21.5	30170	0	33.1	11,159	20.9	0	0.00			
1/30/2024	Tue	21.4	30170	0	33.0	11,159	20.9	0	0.00	0.00		
1/31/2024	Wed	21.4	30170	0	32.4	11,159	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
1/1/2024	Mon	24.7	178679	0	30.8	43	33.7	0	0.00			Closed for New Years - Read averaged
1/2/2024	Tue	25.5	178679	5,340	30.6	43	33.7	0	0.00	0.00		
1/3/2024	Wed	28.9	184019	0	30.6	43	33.7	0	0.00			
1/4/2024	Thu	29	184019	0	30.5	43	33.7	0	0.00			
1/5/2024	Fri	29.3	184019	1,706	30.5	43	33.7	0	0.00	0.00		
1/6/2024	Sat	29.3	185725	1,706	30.5	43	33.7	0	0.00			
1/7/2024	Sun	29.3	187431	1,707	30.5	43	33.7	0	0.00			
1/8/2024	Mon	28.1	189138	0	30.3	43	33.7	0	0.00	0.00		
1/9/2024	Tue	29.1	189138	0	30.2	43	33.7	0	0.00			
1/10/2024	Wed	29.5	189138	4,856	30.2	43	33.7	0	0.00			
1/11/2024	Thu	27	193994	3,241	30.1	43	33.7	1	0.16	0.05	0.01	
1/12/2024	Fri	25	197235	0	29.7	44	33.7	0	0.00			
1/13/2024	Sat	25	197235	0	29.7	44	33.7	0	0.00			
1/14/2024	Sun	25	197235	0	29.7	44	33.7	0	0.00	0.00		
1/15/2024	Mon	25	197235	0	29.7	44	33.7	0	0.00			Landfill Closed due to inclement weather. Reads averaged
1/16/2024	Tue	25.4	197235	0	29.4	44	33.7	0	0.00			
1/17/2024	Wed	26	197235	0	29.4	44	33.7	0	0.00	0.00		
1/18/2024	Thu	26.2	197235	0	29.3	44	33.7	0	0.00			
1/19/2024	Fri	26.9	197235	0	29.2	44	33.7	0	0.00			
1/20/2024	Sat	26.9	197235	0	29.2	44	33.7	0	0.00	0.00		
1/21/2024	Sun	26.9	197235	0	29.2	44	33.7	0	0.00			
1/22/2024	Mon	28.3	197235	0	28.8	44	33.7	0	0.00			
1/23/2024	Tue	29.1	197235	0	28.8	44	33.7	0	0.00	0.00		
1/24/2024	Wed	29.5	197235	0	29.1	44	33.7	0	0.00			
1/25/2024	Thu	30.5	197235	0	29.1	44	33.7	0	0.00		0.00	
1/26/2024	Fri	30.8	197235	0	29.2	44	33.7	0	0.00	0.00		
1/27/2024	Sat	30.8	197235	0	29.2	44	33.7	0	0.00			
1/28/2024	Sun	30.8	197235	0	29.2	44	33.7	0	0.00			
1/29/2024	Mon	31.7	197235	8,757	29.4	44	33.7	0	0.00	0.00		
1/30/2024	Tue	27.6	205992	0	29.6	44	33.7	0	0.00			
1/31/2024	Wed	29.6	205992	0	29.6	44	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	
1/1/2024	Mon	15.5	83352	1,288	35.0	8,355	20.3	0	0.00			Closed for New Years - Read averaged	
1/2/2024	Tue	17.7	84640	1,226	35.1	8,355	20.3	0	0.00				
1/3/2024	Wed	18	85866	1,292	35.0	8,355	20.3	0	0.00	0.00	0.00		
1/4/2024	Thu	18	87158	1,357	35.0	8,355	20.3	0	0.00				
1/5/2024	Fri	18.3	88515	1,293	35.1	8,355	20.3	0	0.00				
1/6/2024	Sat	18.3	89808	1,293	35.1	8,355	20.3	0	0.00	0.00			
1/7/2024	Sun	18.3	91101	1,294	35.1	8,355	20.3	0	0.00				
1/8/2024	Mon	18	92395	1,322	34.9	8,355	20.3	0	0.00				
1/9/2024	Tue	18	93717	1,311	34.9	8,355	20.3	0	0.00	0.00			
1/10/2024	Wed	17.6	95028	1,545	34.8	8,355	20.3	0	0.00				
1/11/2024	Thu	18.2	96573	1,304	34.7	8,355	20.3	0	0.00				
1/12/2024	Fri	17.2	97877	1,436	34.8	8,355	20.3	0	0.00	0.00			
1/13/2024	Sat	17.2	99313	1,436	34.8	8,355	20.3	0	0.00				
1/14/2024	Sun	17.2	100749	1,436	34.8	8,355	20.3	0	0.00				
1/15/2024	Mon	17.2	102185	1,438	34.8	8,355	20.3	0	0.00	0.00			
1/16/2024	Tue	16.3	103623	2,709	34.8	8,355	20.3	0	0.00				
1/17/2024	Wed	17.4	106332	1,361	34.9	8,355	20.3	7	0.90		0.06		
1/18/2024	Thu	18	107693	1,304	33.9	8,362	20.3	0	0.00	0.30			
1/19/2024	Fri	17.7	108997	1,134	34.1	8,362	20.3	0	0.00				
1/20/2024	Sat	17.7	110131	1,134	34.1	8,362	20.3	0	0.00				
1/21/2024	Sun	17.7	111265	1,135	34.1	8,362	20.3	0	0.00	0.00			
1/22/2024	Mon	15.5	112400	1,163	34.3	8,362	20.3	0	0.00				
1/23/2024	Tue	17.1	113563	1,638	34.7	8,362	20.3	0	0.00				
1/24/2024	Wed	18	115201	1,382	34.9	8,362	20.3	0	0.00	0.00			
1/25/2024	Thu	17.6	116583	1,504	35.2	8,362	20.3	0	0.00				
1/26/2024	Fri	18	118087	1,666	35.3	8,362	20.3	0	0.00				
1/27/2024	Sat	18	119753	1,666	35.3	8,362	20.3	0	0.00	0.00			
1/28/2024	Sun	18	121419	1,666	35.3	8,362	20.3	0	0.00				
1/29/2024	Mon	17.7	123085	1,828	35.3	8,362	20.3	0	0.00				
1/30/2024	Tue	18	124913	1,859	35.6	8,362	20.3	0	0.00	0.00			
1/31/2024	Wed	17.3	126772	2,007	35.5	8,362	20.3	0	0.00		0.00		

		CELL 5 LCS			CELL 5 LDS						150	60	
Date	Day of Week	Liquid Level (inches)	Flow meter reading (gallons)	Gallons Removed	Sump Liquid Level (inches)	Flow meter reading (gallons)	Tank Liquid Level (inches)	LDS Daily Pump (gal)	LDS Flow Rate Avg. (gal/acre)	LDS Flow Rate 3-Day Avg. (gal/acre/day)	LDS Flow Rate 14-Day Avg. (gal/acre/day)	Comments	
1/1/2024	Mon	16.2	5328936	5401	16.8	8327	26	0	0.00	0.00		Closed for New Years - Read averaged	
1/2/2024	Tue	13	5334337	3871	16.7	8327	26	0	0.00				
1/3/2024	Wed	15.7	5338208	11228	16.7	8327	26	0	0.00				
1/4/2024	Thu	15.3	5349436	9687	16.8	8327	26	0	0.00	0.00			
1/5/2024	Fri	11.1	5359123	7628	16.9	8327	26	7	1.89				
1/6/2024	Sat	11.1	5366751	7628	16.9	8334	26	7	1.89				
1/7/2024	Sun	11.1	5374379	7630	16.9	8341	26	8	2.16	1.98			
1/8/2024	Mon	15.7	5382009	8612	16.2	8349	26	0	0.00		0.42		
1/9/2024	Tue	15.2	5390621	6744	16.3	8349	26	0	0.00				
1/10/2024	Wed	15.9	5397365	8602	16.3	8349	26	0	0.00	0.00			
1/11/2024	Thu	12.6	5405967	7152	16.5	8349	26	0	0.00				
1/12/2024	Fri	16.5	5413119	2581	16.5	8349	26	0	0.00				
1/13/2024	Sat	16.5	5415700	2581	16.5	8349	26	0	0.00	0.00			
1/14/2024	Sun	16.5	5418281	2581	16.5	8349	26	0	0.00				
1/15/2024	Mon	16.5	5420862	2582	16.5	8349	26	0	0.00			Landfill Closed due to inclement weather. Reads averaged	
1/16/2024	Tue	29.2	5423444	1100	16.8	8349	26	0	0.00	0.00			
1/17/2024	Wed	30.4	5424544	1	16.8	8349	26	0	0.00			Loss of flow diagnosed. Pump replaced	
1/18/2024	Thu	67.2	5424545	10582	16.9	8349	26	0	0.00				
1/19/2024	Fri	38.8	5435127	6957	17	8349	26	0	0.00	0.00			
1/20/2024	Sat	38.8	5442084	6957	17	8349	26	0	0.00				
1/21/2024	Sun	38.8	5449041	6958	17	8349	26	0	0.00				
1/22/2024	Mon	7.8	5455999	6362	17.1	8349	26	13	3.51	1.17	0.25		
1/23/2024	Tue	7.1	5462361	13572	16.1	8362	26	0	0.00				
1/24/2024	Wed	18.4	5475933	11399	16.2	8362	26	0	0.00				
1/25/2024	Thu	17.7	5487332	11777	16.4	8362	26	0	0.00	0.00			
1/26/2024	Fri	19	5499109	10162	16.6	8362	26	0	0.00				
1/27/2024	Sat	19	5509271	10162	16.6	8362	26	0	0.00				
1/28/2024	Sun	19	5519433	10164	16.6	8362	26	0	0.00	0.00			
1/29/2024	Mon	12.9	5529597	8285	16.7	8362	26	0	0.00				
1/30/2024	Tue	15	5537882	12411	16.5	8362	26	0	0.00				
1/31/2024	Wed	16.8	5550293	10551	16.6	8362	26	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
1/1/2024	Mon	17.2	1574829	2216	16.7	2898	42.4	0	0.00	0.00		Closed for New Years - Read averaged
1/2/2024	Tue	17.7	1577045	1979	16.6	2898	42.4	0	0.00			
1/3/2024	Wed	14.1	1579024	1744	16.7	2898	42.4	0	0.00			
1/4/2024	Thu	22	1580768	1956	16.8	2898	42.4	28	7.37	2.46		
1/5/2024	Fri	15.7	1582724	2074	16.5	2926	42.7	0	0.00			
1/6/2024	Sat	15.7	1584798	2074	16.5	2926	42.7	0	0.00			
1/7/2024	Sun	15.7	1586872	2074	16.5	2926	42.7	0	0.00	0.00		
1/8/2024	Mon	14.1	1588946	2899	16.9	2926	42.7	0	0.00			
1/9/2024	Tue	15.2	1591845	3006	16.7	2926	42.7	0	0.00			
1/10/2024	Wed	16.9	1594851	3053	16.8	2926	42.7	0	0.00	0.00		
1/11/2024	Thu	14.7	1597904	2554	16.9	2926	42.7	0	0.00		0.53	
1/12/2024	Fri	18.1	1600458	1030	16.7	2926	42.7	0	0.00			
1/13/2024	Sat	18.1	1601488	1030	16.7	2926	42.7	0	0.00	0.00		
1/14/2024	Sun	18.1	1602518	1030	16.7	2926	42.7	0	0.00			
1/15/2024	Mon	18.1	1603548	1030	16.7	2926	42.7	0	0.00			Landfill closed due to inclement weather. Reads averaged
1/16/2024	Tue	26.1	1604578	4277	16.5	2926	42.7	0	0.00	0.00		
1/17/2024	Wed	17.1	1608855	1431	16.5	2926	42.7	0	0.00			
1/18/2024	Thu	14.5	1610286	1815	16.6	2926	42.7	0	0.00			
1/19/2024	Fri	15.6	1612101	1411	16.5	2926	42.7	0	0.00	0.00		
1/20/2024	Sat	15.6	1613512	1411	16.5	2926	42.7	0	0.00			
1/21/2024	Sun	15.6	1614923	1411	16.5	2926	42.7	0	0.00			
1/22/2024	Mon	16.7	1616334	1184	16.7	2926	42.7	0	0.00	0.00		
1/23/2024	Tue	21.4	1617518	2149	16.7	2926	42.7	0	0.00			
1/24/2024	Wed	24.5	1619667	2153	16.8	2926	42.7	0	0.00			
1/25/2024	Thu	21.1	1621820	2656	16.9	2926	42.7	0	0.00	0.00	0.00	
1/26/2024	Fri	9.3	1624476	2688	16.9	2926	42.7	0	0.00			
1/27/2024	Sat	9.3	1627164	2688	16.9	2926	42.7	0	0.00			
1/28/2024	Sun	9.3	1629852	2689	16.9	2926	42.7	0	0.00	0.00		
1/29/2024	Mon	21	1632541	2609	16.7	2926	42.7	0	0.00			
1/30/2024	Tue	14.3	1635150	2191	16.8	2926	42.7	0	0.00			
1/31/2024	Wed	18.3	1637341	2418	16.9	2926	42.7	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
1/1/2024	Mon	1.5	2183096	2389	25.5	4076	16.5	0	0.00			Closed for New Years - Read averaged
1/2/2024	Tue	2.3	2185485	2203	25.4	4076	16.5	0	0.00	0.00		
1/3/2024	Wed	1.2	2187688	2243	25.7	4076	16.5	15	2.14			
1/4/2024	Thu	2.5	2189931	2239	24.8	4091	16.6	0	0.00			
1/5/2024	Fri	1.9	2192170	2110	24.8	4091	16.6	0	0.00	0.71		
1/6/2024	Sat	1.9	2194280	2110	24.8	4091	16.6	0	0.00			
1/7/2024	Sun	1.9	2196390	2111	24.8	4091	16.6	0	0.00			
1/8/2024	Mon	1.2	2198501	2448	25.1	4091	16.6	0	0.00	0.00		
1/9/2024	Tue	1.5	2200949	2531	25.2	4091	16.6	0	0.00			
1/10/2024	Wed	1.5	2203480	2962	25.4	4091	16.6	0	0.00		0.15	
1/11/2024	Thu	2	2206442	2626	25.4	4091	16.6	0	0.00	0.00		
1/12/2024	Fri	1.7	2209068	1239	25.5	4091	16.6	0	0.00			
1/13/2024	Sat	1.7	2210307	1239	25.5	4091	16.6	0	0.00			
1/14/2024	Sun	1.7	2211546	1239	25.5	4091	16.6	0	0.00	0.00		
1/15/2024	Mon	1.7	2212785	1240	25.5	4091	16.6	0	0.00			Landfill closed due to inclement weather. Reads averaged
1/16/2024	Tue	2.6	2214025	2207	26	4091	16.6	0	0.00			
1/17/2024	Wed	1.6	2216232	1071	26.2	4091	16.6	0	0.00	0.00		
1/18/2024	Thu	1.8	2217303	2209	26.3	4091	16.6	0	0.00			
1/19/2024	Fri	1.2	2219512	2307	26.4	4091	16.6	0	0.00			
1/20/2024	Sat	1.2	2221819	2307	26.4	4091	16.6	0	0.00	0.00		
1/21/2024	Sun	1.2	2224126	2309	26.4	4091	16.6	0	0.00			
1/22/2024	Mon	1.5	2226435	2125	26.9	4091	16.6	0	0.00			
1/23/2024	Tue	2.5	2228560	3325	26.9	4091	16.6	0	0.00	0.00		
1/24/2024	Wed	2.2	2231885	2892	26.9	4091	16.6	0	0.00		0.00	
1/25/2024	Thu	1.2	2234777	3458	27.2	4091	16.6	0	0.00			
1/26/2024	Fri	2.3	2238235	3731	27.2	4091	16.6	0	0.00	0.00		
1/27/2024	Sat	2.3	2241966	3731	27.2	4091	16.6	0	0.00			
1/28/2024	Sun	2.3	2245697	3733	27.2	4091	16.6	0	0.00			
1/29/2024	Mon	3.1	2249430	3846	27.3	4091	16.6	0	0.00	0.00		
1/30/2024	Tue	1	2253276	3796	27.5	4091	16.6	0	0.00			
1/31/2024	Wed	1.2	2257072	3839	27.4	4091	16.6	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
1/1/2024	Mon	11.8	2245929	2896	20.3	25812	63.8	170	21.52			Closed for New Years - Read averaged
1/2/2024	Tue	9.8	2248825	2689	19.3	25982	63.8	0	0.00	14.22		
1/3/2024	Wed	12.2	2251514	6415	19.8	25982	63.8	0	0.00			
1/4/2024	Thu	11.4	2257929	12987	20.1	25982	63.8	0	0.00			
1/5/2024	Fri	12.1	2270916	2649	22.2	25982	63.8	9	1.14	0.38		
1/6/2024	Sat	12.1	2273565	2649	22.2	25991	63.8	9	1.14			
1/7/2024	Sun	12.1	2276214	2651	22.2	26000	63.8	9	1.14			
1/8/2024	Mon	11.5	2278865	2907	23.8	26009	63.8	337	42.66	14.98		Landfill closed due to inclement weather. Reads averaged
1/9/2024	Tue	13	2281772	2743	24.6	26346	63.8	365	46.20			
1/10/2024	Wed	12.7	2284515	3251	25.1	26711	63.8	416	52.66		18.88	
1/11/2024	Thu	12.9	2287766	3012	23.7	27127	63.8	242	30.63	43.16		
1/12/2024	Fri	9.5	2290778	6674	24.3	27369	63.8	235	29.75			
1/13/2024	Sat	9.5	2297452	6674	24.3	27604	63.8	235	29.75			
1/14/2024	Sun	9.5	2304126	6674	24.3	27839	63.8	235	29.75	29.75		
1/15/2024	Mon	9.5	2310800	6674	24.3	28074	63.8	337	42.66			
1/16/2024	Tue	8.6	2317474	10633	25.6	28411	63.8	492	62.28			
1/17/2024	Wed	10.9	2328107	21427	23.4	28903	63.8	447	56.58	53.84		
1/18/2024	Thu	11.4	2349534	2859	23.4	29350	63.8	418	52.91			
1/19/2024	Fri	11	2352393	3001	23.9	29768	63.8	400	50.63			
1/20/2024	Sat	11	2355394	3001	23.9	30168	63.8	400	50.63	51.39		
1/21/2024	Sun	11	2358395	3002	23.9	30568	63.8	400	50.63			
1/22/2024	Mon	10.1	2361397	2425	25.7	30968	63.8	454	57.47			
1/23/2024	Tue	11.1	2363822	3506	23.8	31422	63.8	394	49.87	52.66		
1/24/2024	Wed	9.7	2367328	2874	21.4	31816	63.8	391	49.49		45.93	
1/25/2024	Thu	10.4	2370202	3294	19.1	32207	63.8	429	54.30			
1/26/2024	Fri	12.1	2373496	3549	22.3	32636	63.8	429	54.30	52.70		
1/27/2024	Sat	12.1	2377045	3549	22.3	33065	63.8	429	54.30			
1/28/2024	Sun	12.1	2380594	3551	22.3	33494	63.8	431	54.56			
1/29/2024	Mon	11.1	2384145	3775	18.6	33925	63.8	0	0.00	36.29		
1/30/2024	Tue	12.9	2387920	3992	20.4	33925	63.8	0	0.00			
1/31/2024	Wed	10.4	2391912	4039	21.7	33925	63.8	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
1/1/2024	Mon	10.6	12857281	3710	32.2	76113	531	51.55			Closed for New Years - Read averaged
1/2/2024	Tue	12	12860991	3524	30.6	76644	370	35.92	46.28		
1/3/2024	Wed	9.6	12864515	3701	33.2	77014	574	55.73			
1/4/2024	Thu	11.8	12868216	3731	32.4	77588	776	75.34			
1/5/2024	Fri	11.9	12871947	3664	31.8	78364	759	73.69	68.25	50.85	
1/6/2024	Sat	11.9	12875611	3664	31.8	79123	759	73.69			
1/7/2024	Sun	11.9	12879275	3664	31.8	79882	761	73.88			
1/8/2024	Mon	12.1	12882939	4277	27.7	80643	298	28.93	58.83		
1/9/2024	Tue	11.9	12887216	4423	28.2	80941	519	50.39			
1/10/2024	Wed	12	12891639	4626	26.9	81460	541	52.52			
1/11/2024	Thu	12.1	12896265	3973	31.6	82001	1019	98.93	67.28		
1/12/2024	Fri	11.7	12900238	4198	32.9	83020	0	0.00			
1/13/2024	Sat	11.7	12904436	4198	32.9	83020	0	0.00			
1/14/2024	Sun	11.7	12908634	4198	32.9	83020	0	0.00	0.00		
1/15/2024	Mon	11.7	12912832	4198	32.9	83020	1098	106.60			Landfill closed due to inclement weather. Reads averaged
1/16/2024	Tue	3.7	12917030	4818	30.7	84118	351	34.08			
1/17/2024	Wed	8.4	12921848	3267	31.6	84469	545	52.91	64.53		
1/18/2024	Thu	10.7	12925115	0	32.7	85014	375	36.41			
1/19/2024	Fri	74.3	12925115	6767	31.4	85389	411	39.90		46.30	
1/20/2024	Sat	74.3	12931882	6767	31.4	85800	411	39.90	38.74		LCS was not flowing. Pump and motor pulled and replaced
1/21/2024	Sun	74.3	12938649	6768	31.4	86211	411	39.90			
1/22/2024	Mon	11.9	12945417	5425	30.1	86622	518	50.29			
1/23/2024	Tue	12	12950842	5441	30.9	87140	224	21.75	37.31		
1/24/2024	Wed	11.6	12956283	4598	31.3	87364	430	41.75			
1/25/2024	Thu	11.3	12960881	5264	30.2	87794	510	49.51			
1/26/2024	Fri	12	12966145	0	32.2	88304	539	52.33	47.86		
1/27/2024	Sat	12	12966145	0	32.2	88843	539	52.33			
1/28/2024	Sun	12	12966145	15501	32.2	89382	539	52.33			
1/29/2024	Mon	11.6	12981646	4941	30.9	89921	525	50.97	51.88		
1/30/2024	Tue	12.3	12986587	6258	31.3	90446	493	47.86			
1/31/2024	Wed	10.7	12992845	7366	29.7	90939	472	45.83			

		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
1/1/2024	Mon	11.3	19510365	7193	22.1	220863	0	0.00			Closed for New Years - Read averaged
1/2/2024	Tue	11.6	19517558	5805	24.6	220863	393	53.84	17.95		
1/3/2024	Wed	11.4	19523363	6382	25.1	221256	0	0.00			
1/4/2024	Thu	11.3	19529745	6033	24.9	221256	349	47.81			
1/5/2024	Fri	11.4	19535778	6664	25.6	221605	300	41.10	29.63	20.55	
1/6/2024	Sat	11.4	19542442	6664	25.6	221905	300	41.10			
1/7/2024	Sun	11.4	19549106	6665	25.6	222205	302	41.37			
1/8/2024	Mon	12.1	19555771	7220	26.5	222507	430	58.90	47.12		
1/9/2024	Tue	11.4	19562991	7280	25.7	222937	334	45.75			
1/10/2024	Wed	11.3	19570271	7057	26.2	223271	0	0.00			
1/11/2024	Thu	11.4	19577328	7223	26.6	223271	0	0.00	15.25		
1/12/2024	Fri	12	19584551	13875	27.1	223271	0	0.00			
1/13/2024	Sat	12	19598426	13875	27.1	223271	0	0.00			
1/14/2024	Sun	12	19612301	13875	27.1	223271	0	0.00	0.00		
1/15/2024	Mon	12	19626176	13875	27.1	223271	0	0.00			Landfill closed due to inclement weather. Reads averaged
1/16/2024	Tue	10.5	19640051	13177	28.3	223271	0	0.00			
1/17/2024	Wed	11.4	19653228	6845	28.3	223271	0	0.00	0.00		
1/18/2024	Thu	12.3	19660073	11395	28.6	223271	0	0.00			
1/19/2024	Fri	11.2	19671468	12270	28.5	223271	0	0.00		13.37	
1/20/2024	Sat	11.2	19683738	12270	28.5	223271	0	0.00	0.00		
1/21/2024	Sun	11.2	19696008	12271	28.5	223271	0	0.00			
1/22/2024	Mon	11.7	19708279	12504	29.1	223271	0	0.00			
	Tue			10022			331	45.34	15.11		
1/23/2024		12	19720783		29.2	0					
1/24/2024	Wed	11.3	19730805	8944	28.1	331	323	44.25			
1/25/2024	Thu	12.1	19739749	10136	29.4	654	766	104.93			
1/26/2024	Fri	11.2	19749885	9875	29.1	1420	287	39.32	62.83		
1/27/2024	Sat	11.2	19759760	9875	29.1	1707	287	39.32			
1/28/2024	Sun	11.2	19769635	9877	29.1	1994	288	39.45			
1/29/2024	Mon	11.3	19779512	9855	30.9	2282	186	25.48	34.75		
1/30/2024	Tue	10.9	19789367	8785	31.2	2468	125	17.12			
1/31/2024	Wed	11.7	19798152	7588	32.2	2593	93	12.74			

		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
1/1/2024	Mon	11.7	20460199	7729	26	25356	0	0.00			Closed for New Years - Read averaged
1/2/2024	Tue	11.4	20467928	6916	26.2	25356	0	0.00	0.00		
1/3/2024	Wed	11.9	20474844	7236	26.1	25356	0	0.00			
1/4/2024	Thu	12.3	20482080	7211	26.1	25356	0	0.00			
1/5/2024	Fri	11.7	20489291	6987	26	25356	7	0.95	0.32		
1/6/2024	Sat	11.7	20496278	6987	26	25363	7	0.95			
1/7/2024	Sun	11.7	20503265	6988	26	25370	8	1.08			
1/8/2024	Mon	11.9	20510253	8019	24.7	25378	0	0.00	0.68		
1/9/2024	Tue	12.2	20518272	8158	24.8	25378	1	0.14			
1/10/2024	Wed	11.8	20526430	7931	25	25379	2	0.27			
1/11/2024	Thu	12	20534361	7080	24.5	25381	0	0.00	0.14		
1/12/2024	Fri	11.8	20541441	6314	24.9	25381	0	0.00		0.24	
1/13/2024	Sat	11.8	20547755	6314	24.9	25381	0	0.00			
1/14/2024	Sun	11.8	20554069	6314	24.9	25381	0	0.00	0.00		
1/15/2024	Mon	11.8	20560383	6316	24.9	25381	0	0.00			
1/16/2024	Tue	11.8	20566699	4712	25.7	25381	0	0.00			
1/17/2024	Wed	12.3	20571411	6470	25.8	25381	0	0.00	0.00		
1/18/2024	Thu	11.3	20577881	6271	25.8	25381	0	0.00			
1/19/2024	Fri	11.9	20584152	6569	25.9	25381	0	0.00			
1/20/2024	Sat	11.9	20590721	6569	25.9	25381	0	0.00	0.00		
1/21/2024	Sun	11.9	20597290	6569	25.9	25381	0	0.00			
1/22/2024	Mon	11.9	20603859	5759	26.9	25381	15	2.03			
1/23/2024	Tue	12.3	20609618	9040	25.4	25396	0	0.00	0.68		
1/24/2024	Wed	11.1	20618658	10251	25.8	25396	0	0.00			
1/25/2024	Thu	12.1	20628909	13502	26.1	25396	0	0.00			
1/26/2024	Fri	11.9	20642411	0	26.2	25396	0	0.00	0.00	0.14	
1/27/2024	Sat	11.9	20642411	0	26.2	25396	0	0.00			
1/28/2024	Sun	11.9	20642411	38689	26.2	25396	0	0.00			
1/29/2024	Mon	11.8	20681100	8519	26.1	25396	20	2.70	0.90		
1/30/2024	Tue	12.1	20689619	9389	20.9	25416	0	0.00			
1/31/2024	Wed	11.7	20699008	8569	20.9	25416	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)	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
1/1/2024	Mon	3.9	7730664	3385	26.5	90850	383	43.52	43.37		Closed for New Years - Read averaged
1/2/2024	Tue	5.8	7734049	3262	27.5	91233	318	36.14			
1/3/2024	Wed	9.8	7737311	2921	27.1	91551	331	37.61			
1/4/2024	Thu	4.8	7740232	3214	27.8	91882	0	0.00	24.58		
1/5/2024	Fri	5.7	7743446	3185	28.2	91882	233	26.48			
1/6/2024	Sat	5.7	7746631	3185	28.2	92115	233	26.48			
1/7/2024	Sun	5.7	7749816	3186	28.2	92348	234	26.59	26.52		
1/8/2024	Mon	5.1	7753002	3595	26.9	92582	320	36.36			
1/9/2024	Tue	7.1	7756597	3808	25.3	92902	323	36.70			
1/10/2024	Wed	6.3	7760405	4112	26.6	93225	645	73.30	48.79		
1/11/2024	Thu	1.7	7764517	3598	27.7	93870	1121	127.39			
1/12/2024	Fri	7.9	7768115	3157	21.1	94991	617	70.11		44.81	
1/13/2024	Sat	7.9	7771272	3157	21.1	95608	617	70.11	89.20		
1/14/2024	Sun	7.9	7774429	3157	21.1	96225	617	70.11			
1/15/2024	Mon	7.9	7777586	3159	21.1	96842	619	70.34			Landfill closed due to inclement weather. Reads averaged
1/16/2024	Tue	6.7	7780745	2753	25.6	97461	598	67.95	69.47		
1/17/2024	Wed	10.4	7783498	3565	28.1	98059	581	66.02			
1/18/2024	Thu	1.5	7787063	3214	25.2	98640	473	53.75			
1/19/2024	Fri	5.5	7790277	3195	26.8	99113	577	65.57	61.78		
1/20/2024	Sat	5.5	7793472	3195	26.8	99690	577	65.57			
1/21/2024	Sun	5.5	7796667	3195	26.8	100267	577	65.57			
1/22/2024	Mon	1.7	7799862	3311	27.3	100844	405	46.02	59.05		
1/23/2024	Tue	6.1	7803173	5796	25.8	101249	585	66.48			
1/24/2024	Wed	4.9	7808969	4209	22.9	101834	449	51.02			
1/25/2024	Thu	4.1	7813178	5268	25.9	102283	234	26.59	48.03		
1/26/2024	Fri	9.8	7818446	4928	29.3	102517	388	44.09		59.23	
1/27/2024	Sat	9.8	7823374	4928	29.3	102905	388	44.09			
1/28/2024	Sun	9.8	7828302	4929	29.3	103293	388	44.09	44.09		
1/29/2024	Mon	11.7	7833231	4456	24.7	103681	419	47.61			
1/30/2024	Tue	12.3	7837687	4168	25.3	104100	327	37.16			
1/31/2024	Wed	10.7	7841855	3934	26.6	104427	1853	210.57	98.45		

		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
1/1/2024	Mon	8.8	705,329	1,620	21.2	123,862	0	0.00			Closed for New Years - Read averaged
1/2/2024	Tue	9.8	706,949	0	22.3	123,862	0	0.00			
1/3/2024	Wed	10.1	706,949	0	22.5	123,862	0	0.00	0.00		
1/4/2024	Thu	10.4	706,949	0	22.9	123,862	0	0.00			
1/5/2024	Fri	11.1	706,949	0	23.2	123,862	0	0.00			
1/6/2024	Sat	11.1	706,949	0	23.2	123,862	0	0.00	0.00		
1/7/2024	Sun	11.1	706,949	0	23.2	123,862	0	0.00			
1/8/2024	Mon	16.2	706,949	1,265	23.9	123,862	0	0.00			
1/9/2024	Tue	10.7	708,214	1,060	24.0	123,862	0	0.00	0.00		
1/10/2024	Wed	7.7	709,274	0	24.0	123,862	0	0.00			
1/11/2024	Thu	8.9	709,274	0	24.2	123,862	0	0.00			
1/12/2024	Fri	9.2	709,274	0	24.3	123,862	0	0.00	0.00	0.00	
1/13/2024	Sat	9.2	709,274	0	24.3	123,862	0	0.00			
1/14/2024	Sun	9.2	709,274	0	24.3	123,862	0	0.00			
1/15/2024	Mon	9.2	709,274	0	24.3	123,862	0	0.00	0.00		
1/16/2024	Tue	12.6	709,274	0	25.0	123,862	0	0.00			
1/17/2024	Wed	13.1	709,274	0	25.0	123,862	0	0.00			
1/18/2024	Thu	16.9	709,274	0	25.2	123,862	0	0.00	0.00		
1/19/2024	Fri	17.7	709,274	0	25.3	123,862	0	0.00			
1/20/2024	Sat	17.7	709,274	0	25.3	123,862	0	0.00			
1/21/2024	Sun	17.7	709,274	0	25.3	123,862	0	0.00	0.00		
1/22/2024	Mon	19.6	709,274	2,293	25.9	123,862	0	0.00			Landfill closed due to inclement weather. Reads averaged
1/23/2024	Tue	7.4	711,567	0	26.1	123,862	0	0.00			
1/24/2024	Wed	8.3	711,567	0	26.2	123,862	0	0.00	0.00		
1/25/2024	Thu	9.8	711,567	0	26.4	123,862	0	0.00			
1/26/2024	Fri	11.2	711,567	0	26.9	123,862	0	0.00		0.00	
1/27/2024	Sat	11.2	711,567	0	26.9	123,862	0	0.00	0.00		
1/28/2024	Sun	11.2	711,567	0	26.9	123,862	0	0.00			
1/29/2024	Mon	14.3	711,567	0	27.4	123,862	0	0.00			
1/30/2024	Tue	15.6	711,567	0	27.8	123,862	0	0.00	0.00		
1/31/2024	Wed	18.9	711,567	2,127	28.0	123,862	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
1/1/2024	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
1/2/2024	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
1/3/2024	Wed	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/4/2024	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
1/5/2024	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
1/6/2024	Sat	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/7/2024	Sun	35.8	36,411	0	33.6	116519	7	0	0.00			
1/8/2024	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
1/9/2024	Tue	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/10/2024	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
1/11/2024	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
1/12/2024	Fri	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/13/2024	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
1/14/2024	Sun	35.8	36,411	0	33.6	116519	7	0	0.00		0.00	
1/15/2024	Mon	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		Landfill closed due to inclement weather. Reads averaged
1/16/2024	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
1/17/2024	Wed	35.8	36,411	0	33.6	116519	7	0	0.00			
1/18/2024	Thu	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/19/2024	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
1/20/2024	Sat	35.8	36,411	0	33.6	116519	7	0	0.00			
1/21/2024	Sun	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/22/2024	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
1/23/2024	Tue	35.8	36,411	0	33.6	116519	7	0	0.00			
1/24/2024	Wed	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/25/2024	Thu	35.8	36,411	0	33.6	116519	7	0	0.00			
1/26/2024	Fri	35.8	36,411	0	33.6	116519	7	0	0.00			
1/27/2024	Sat	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/28/2024	Sun	35.8	36,411	0	33.6	116519	7	0	0.00		0.00	
1/29/2024	Mon	35.8	36,411	0	33.6	116519	7	0	0.00			
1/30/2024	Tue	35.8	36,411	0	33.6	116519	7	0	0.00	0.00		
1/31/24	Wed	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	0.75 hour
EVLFLE03	LE-03	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE04	LE-4	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE05	LE-05	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE07	LE-7	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE08	LE-08	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFLE8R	LE-8R	REPLACEMENT FOR LE-08	Yes	Interior	0.75 hour
EVLFLE10	LE-10	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE11	LE-11	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE12	LE-12	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE13	LE-13	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE13R	LE-13R	Replacement for LE-13	Yes	Interior	0.75 hour
EVLFLE15	LE-15	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE16	LE-16	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE18	LE-18	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE18R	LE-18R	REPLACEMENT FOR LE-18	Yes	Interior	0.75 hour
EVLFLE19	LE-19	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE21	LE-21	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE24	LE-24	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE26	LE-26	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE27	LE-27	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE29	LE-29	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE31	LE-31	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE31R	LE-31R	REPLACEMENT FOR LE-31	Yes	Interior	0.75 hour
EVLFLE32	LE-32	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE33	LE-33	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE34	LE-34	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE34R	LE-34R	REPLACEMENT FOR LE-34	Yes	Interior	0.75 hour
EVLFLE36	LE-36	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE38	LE-38	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE38R	LE-38R	REPLACEMENT FOR LE-38	Yes	Interior	0.75 hour
EVLFLE39	LE-39	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE41	LE-41	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFLE41R	LE-41R	REPLACEMENT FOR LE-41	Yes	Interior	0.75 hour
EVLFLE42	LE-42	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE43	LE-43	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE45	LE-45	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE48	LE-48	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE50	LE-50	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE50R	LE-50R	REPLACEMENT FOR LE-50	Yes	Interior	0.75 hour
EVLFLE52	LE-52	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE52R	LE-52R	REPLACEMENT FOR LE-52	Yes	Interior	0.75 hour
EVLFLE53	LE-53	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE53R	LE-53R	REPLACEMENT FOR LE-53	Yes	Interior	0.75 hour
EVLFLE55	LE-55	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE55R	LE-55R	REPLACEMENT FOR LE-55	Yes	Interior	0.75 hour
EVLFLE56	LE-56	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE56R	LE-56R	REPLACEMENT FOR LE-56	Yes	Interior	0.75 hour
EVLFLE57	LE-57	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE57R	LE-57R	REPLACEMENT FOR LE-57	Yes	Interior	0.75 hour
EVLFLE58	LE-58	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE58R	LE-58R	REPLACEMENT FOR LE-58	Yes	Interior	0.75 hour
EVLFLE59	LE-59	Lateral Expansion Area Well	No	Interior	0.75 hour
EVLLE59R	LE-59R	REPLACEMENT FOR LE-59	Yes	Interior	0.75 hour
EVLFLE62	LE-62	Lateral Expansion Area Well	No	Interior	REPLACED

Device Name	Alias	Description	Active	Location	Downtime (hours)
EVLLE62R	LE-62R	REPLACEMENT FOR LE-62	Yes	Interior	0.75 hour
EVLFLE64	LE-64	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE65	LE-65	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE65R	LE-65R	REPLACEMENT FOR LE-65	Yes	Interior	0.75 hour
EVLFLE67	LE-67	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE70	LE-70	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFE70R	LE-70R	Replacement for LE-70	Yes	Interior	0.75 hour
EVLFLE71	LE-71	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE72	LE-72	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE73	LE-73	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE73R	LE-73R	Replacement for LE-73	Yes	Interior	0.75 hour
EVLFLE75	LE-75	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE76	LE-76	Lateral Expansion Area Well	No	Interior	REPLACED
EVLFE76R	LE-76R	Replacement for LE-76	Yes	Interior	0.75 hour
EVLFLE78	LE-78	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE79	LE-79	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE80	LE-80	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE83	LE-83	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE84	LE-84	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE85	LE-85	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE86	LE-86	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFLE87	LE-87	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE114	LE-114	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE116	LE-116	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE117	LE-117	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE118	LE-118	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE119	LE-119	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE120	LE-120	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE120R	LE-120R	REPLACEMENT FOR LE-120	Yes	Interior	0.75 hour
EVLLE121	LE-121	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE122	LE-122	Lateral Expansion Area Well	No	Interior	REPLACED
EVLLE122R	LE-122R	REPLACEMENT FOR LE-122	Yes	Interior	0.75 hour
EVLLE127	LE-127	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE130	LE-130	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE143	LE-143	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE145	LE-145	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE146	LE-146	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE151	LE-151	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLLE154	LE-154	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1000	EW-1000	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1002	EW-1002	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1003	EW-1003	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1006	EW-1006	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1007	EW-1007	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1008	EW-1008	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1009	EW-1009	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1010	EW-1010	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1011	EW-1011	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1012	EW-1012	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1014	EW-1014	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1017	EW-1017	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1018	EW-1018	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1022	EW-1022	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1024	EW-1024	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1025	EW-1025	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1027	EW-1027	Lateral Expansion Area Well	Yes	Interior	0.75 hour

Device Name	Alias	Description	Active	Location	Downtime (hours)
EVEW1028	EW-1028	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1055	EW-1055	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1056	EW-1056	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1057	EW-1057	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1058	EW-1058	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1059	EW-1059	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1060	EW-1060	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1061	EW-1061	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVEW1067	EW-1067	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFTD1A	TD-1A	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFTD1B	TD-1B	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFTD02	TD-2	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT10	OT-10	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT11	OT-11	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT12	OT-12	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT13	OT-13	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT14	OT-14	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT15	OT-15	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT16	OT-16	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT17	OT-17	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT18	OT-18	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT19	OT-19	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT20	OT-20	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT21	OT-21	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT22	OT-22	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT23	OT-23	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EWEVOT24	OT-24	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC1	HGC-1	Lateral Expansion Area Well	Yes	Interior	shut off 4/2020
EVLHGC2	HGC-2	Lateral Expansion Area Well	Yes	Interior	shut off 4/2020
EVLFHGC3	HGC-3	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC4	HGC-4	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC5	HGC-5	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC6	HGC-6	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHGC7	HGC-7	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLFHC8A	HC-8A	Lateral Expansion Area Well	Yes	Interior	shut off 2/2023
EVLFHC8B	HC-8B	Lateral Expansion Area Well	Yes	Interior	shut off 2/2023
EVLFHGC9	HGC-9	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC10A	HGC-10A	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC10B	HGC-10B	Lateral Expansion Area Well	Yes	Interior	shut off 9/2023
EVLHGC11	HGC-11	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC12	HGC-12	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC13	HGC-13	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC14	HGC-14	Lateral Expansion Area Well	Yes	Interior	0.75 hour
EVLHGC15	HGC-15	Lateral Expansion Area Well	Yes	Interior	0.75 hour
Old Hill Gas Wells					
TOTIEW01	EW-01	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW02	EW-02	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW03	EW-03	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW04	EW-04	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW05	EW-05	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW06	EW-06	Old Hill Extraction Well	No	Interior	REPLACED
TOTIEW6R	EW-6R	Replacement for EW-6	Yes	Interior	0.75 hour
TOTIEW07	EW-07	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW08	EW-08	Old Hill Extraction Well	No	Interior	0.75 hour
TOTIEW09	EW-09	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW10	EW-10	Old Hill Extraction Well	No	Interior	REPLACED

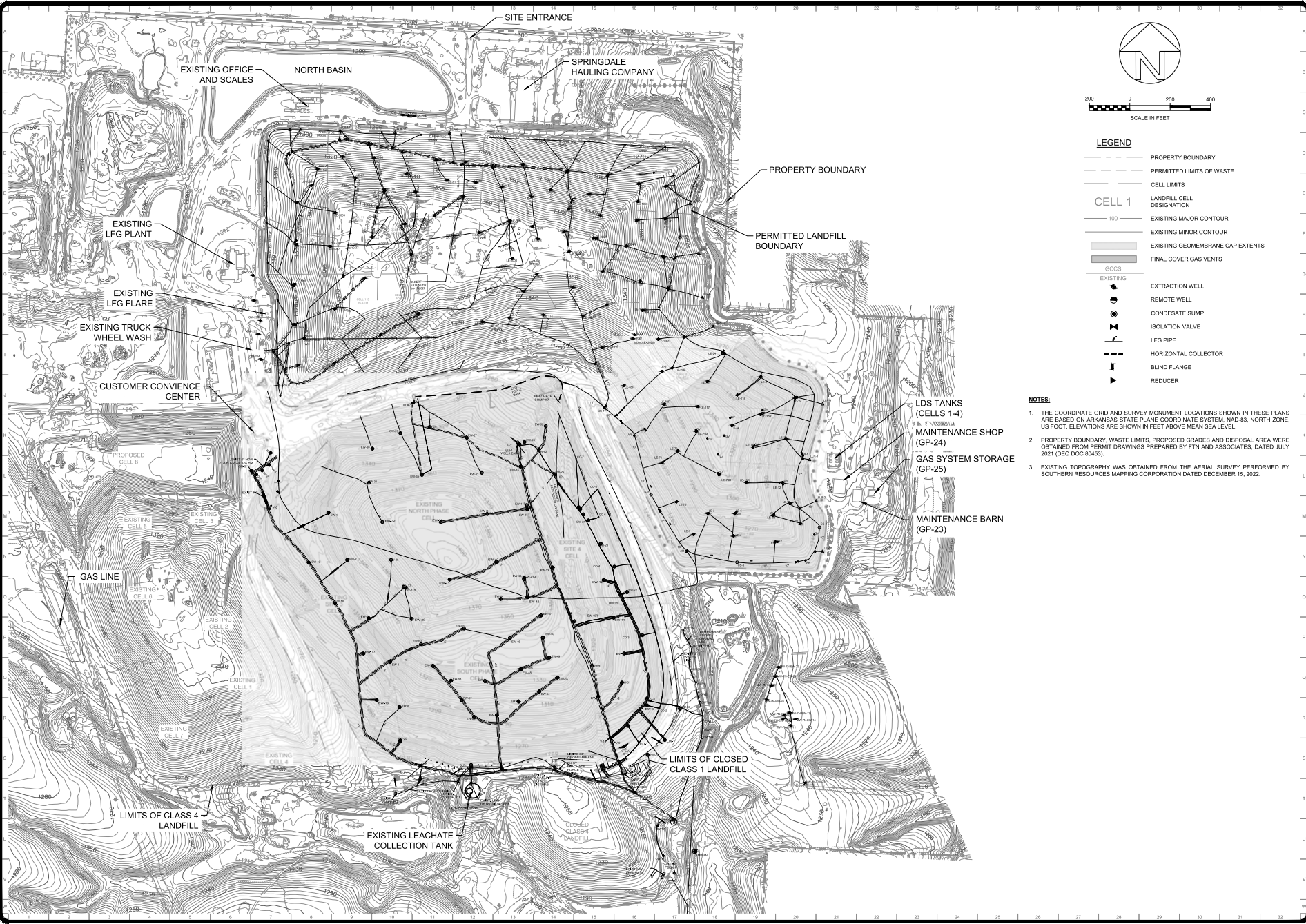
Device Name	Alias	Description	Active	Location	Downtime (hours)
TOTEW10R	EW-10R	Replacement for EW-10	Yes	Interior	0.75 hour
TOTIEW11	EW-11	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW12	EW-12	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW13	EW-13	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW14	EW-14	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW14R	EW-14R	Replacement for EW-14	Yes	Interior	0.75 hour
TOTIEW15	EW-15	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW16	EW-16	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW17	EW-17	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW18	EW-18	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW19	EW-19	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW20	EW-20	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW21	EW-21	Old Hill Extraction Well	No	Interior	shut off 5.16
TOTIEW22	EW-22	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW23	EW-23	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW24	EW-24	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW25	EW-25	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW26	EW-26	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW27	EW-27	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW28	EW-28	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW29	EW-29	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW30	EW-30	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW31	EW-31	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW32	EW-32	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW33	EW-33	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW34	EW-34	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW35	EW-35	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW36	EW-36	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW37	EW-37	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW37R	EW-37R	REPLACEMENT FOR EW-37	Yes	Interior	0.75 hour
TOTIEW38	EW-38	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW39	EW-39	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW40	EW-40	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW41	EW-41	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW41R	EW-41R	REPLACEMENT FOR EW-41	Yes	Interior	0.75 hour
TOTIEW42	EW-42	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW43	EW-43	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW44	EW-44	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW45	EW-45	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW46	EW-46	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW47	EW-47	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW48	EW-48	Old Hill Extraction Well	No	Interior	REPLACED
TOTEW48R	EW-48R	REPLACEMENT FOR EW-48	Yes	Interior	0.75 hour
TOTIEW49	EW-49	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW50	EW-50	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW51	EW-51	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW52	EW-52	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW53	EW-53	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW54	EW-54	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW55	EW-55	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW56	EW-56	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW57	EW-57	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW58	EW-58	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW59	EW-59	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW60	EW-60	Old Hill Extraction Well	Yes	Interior	0.75 hour
TOTIEW61	EW-61	Old Hill Extraction Well	No	Interior	shut off 5.16

Device Name	Alias	Description	Active	Location	Downtime (hours)
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	72 hours
TOTIOW02	OW-02	Out of Waste-NW of Old Hill	Yes	Exterior	72 hours
TOTIOW03	OW-03	Out of Waste-NW of Old Hill	Yes	Exterior	72 hours
TOTIOW04	OW-04	Out of Waste-NW of Old Hill	Yes	Exterior	72 hours
TOTIOW05	OW-05	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW06	OW-06	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW07	OW-07	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW08	OW-08	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW09	OW-09	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW10	OW-10	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW11	OW-11	Not Active - Old Stuttz Well	No	Exterior	shut off 5.15
TONOW11A	OW-11A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOOW12	OW-12	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW12A	OW-12A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW13	OW-13	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW13A	OW-13A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOOW14	OW-14	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW14A	OW-14A	Out of Waste-E of Old Hill	Yes	Exterior	none
TONOW16A	OW-16A	Out of Waste-SE of Old Hill	No	Exterior	none
TONOOW17	OW-17	Out of Waste-SE of Old Hill	No	Exterior	none
TONOOW18	OW-18	Out of Waste-SE of Old Hill	No	Exterior	none
TOTIOW19	OW-19	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW20	OW-20	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
TOTIOW21	OW-21	Out of Waste-NW of Old Hill	Yes	Exterior	removed for cell construction 10/23
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
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

Device Name	Alias	Description	Active	Location	Downtime (hours)
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): Blower 4 - 1.29.24 to 1.31.24
Well System (Interior): 1.17.24 - 0.5 hour; 1.18.24 - 0.25 hour

Date: 11/28/2023 12:28 PM File Path: C:\USERS\JONATHAN\PROMIUS ENGINEERING\PROJECTS\ACTIVE\FIELD\230053\WML\ECO\STA_2023\GCCS\DRAWINGS\GENERAL SITE PLAN - 2023.DWG
 Last Saved By: JONATHAN



LEGEND

- PROPERTY BOUNDARY
- - - PERMITTED LIMITS OF WASTE
- CELL LIMITS
- CELL 1 LANDFILL CELL DESIGNATION
- 100 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GEOMEMBRANE CAP EXTENTS
- FINAL COVER GAS VENTS
- GCCS
- EXISTING
- EXTRACTION WELL
- REMOTE WELL
- CONDENSATE SUMP
- ISOLATION VALVE
- LFG PIPE
- HORIZONTAL COLLECTOR
- BLIND FLANGE
- REDUCER

NOTES:

1. THE COORDINATE GRID AND SURVEY MONUMENT LOCATIONS SHOWN IN THESE PLANS ARE BASED ON ARKANSAS STATE PLANE COORDINATE SYSTEM, NAD-83, NORTH ZONE, US FOOT. ELEVATIONS ARE SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. PROPERTY BOUNDARY, WASTE LIMITS, PROPOSED GRADES AND DISPOSAL AREA WERE OBTAINED FROM PERMIT DRAWINGS PREPARED BY FTN AND ASSOCIATES, DATED JULY 2021 (DEQ DOC 80453).
3. EXISTING TOPOGRAPHY WAS OBTAINED FROM THE AERIAL SURVEY PERFORMED BY SOUTHERN RESOURCES MAPPING CORPORATION DATED DECEMBER 15, 2022.

DESCRIPTION	
PREPARED FOR:	
PREPARED BY:	
GENERAL SITE PLAN - 2023	GCCS SYSTEM CONFIGURATION ECO-STA CLASS 1 LANDFILL TONTOWN, ARKANSAS
Project No. - 230053	SHEET NUMBER
1	1

ATTACHMENT G

Laboratory Analytical Report & Field Forms

Eco-Vista (Tontitown)LF

Sample Delivery Group: L1694492
Samples Received: 01/09/2024
Project Number: 300
Description: Eco-Vista LF- Tri-Annual Event '18 '21 '24
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

Entire Report Reviewed By:



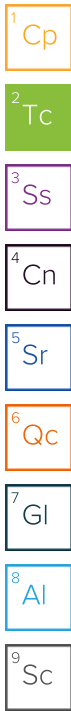
Stacy Kennedy
Project Manager

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

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

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SAMPLE SUMMARY

NE-9 L1694492-01 GW

Collected by
Ryan Wallen

Collected date/time
01/07/24 14:10

Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:11	01/10/24 12:11	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:15	01/10/24 11:15	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:14	01/10/24 11:14	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:35	01/09/24 23:35	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:16	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 20:01	01/09/24 20:01	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 15:13	01/11/24 15:13	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:32	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 18:46	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:21	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2205593	1	01/12/24 06:23	01/12/24 06:23	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2204123	1	01/11/24 10:21	01/14/24 20:14	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/11/24 15:54	MFM	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 15:54	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 11:02	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 22:08	JRM	Mt. Juliet, TN



NE-10D L1694492-02 GW

Collected by
Ryan Wallen

Collected date/time
01/06/24 16:10

Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:21	01/10/24 12:21	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:16	01/10/24 11:16	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:32	01/10/24 11:32	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:36	01/09/24 23:36	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:17	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 20:52	01/09/24 20:52	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 15:47	01/11/24 15:47	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:39	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 18:49	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:24	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 13:30	01/10/24 13:30	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2204123	1	01/11/24 10:21	01/14/24 20:24	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 03:29	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:03	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 11:26	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 22:25	JRM	Mt. Juliet, TN

NE-11 L1694492-03 GW

Collected by
Ryan Wallen

Collected date/time
01/07/24 15:40

Received date/time
01/09/24 09:00

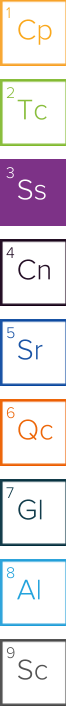
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:27	01/10/24 12:27	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:18	01/10/24 11:18	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:34	01/10/24 11:34	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:36	01/09/24 23:36	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:19	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 21:04	01/09/24 21:04	GEB	Mt. Juliet, TN

SAMPLE SUMMARY

NE-11 L1694492-03 GW

Collected by: Ryan Wallen
 Collected date/time: 01/07/24 15:40
 Received date/time: 01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 17:30	01/11/24 17:30	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:42	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 18:58	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:27	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:43	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 18:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 13:50	01/10/24 13:50	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 18:27	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 03:39	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:12	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 11:51	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 22:43	JRM	Mt. Juliet, TN



NE-12 L1694492-04 GW

Collected by: Ryan Wallen
 Collected date/time: 01/07/24 16:25
 Received date/time: 01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:33	01/10/24 12:33	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:19	01/10/24 11:19	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:36	01/10/24 11:36	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:37	01/09/24 23:37	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:23	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 21:17	01/09/24 21:17	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 17:46	01/11/24 17:46	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:44	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:01	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:29	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:46	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 18:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 14:11	01/10/24 14:11	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 18:38	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 03:49	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:21	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 12:16	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 23:00	JRM	Mt. Juliet, TN

MW-17 L1694492-05 GW

Collected by: Ryan Wallen
 Collected date/time: 01/07/24 10:00
 Received date/time: 01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:39	01/10/24 12:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:21	01/10/24 11:21	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:38	01/10/24 11:38	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:37	01/09/24 23:37	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:27	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 21:55	01/09/24 21:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 18:06	01/11/24 18:06	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:46	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:04	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:38	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:49	LD	Mt. Juliet, TN

SAMPLE SUMMARY

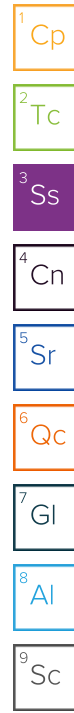
MW-17 L1694492-05 GW

Collected by
Ryan Wallen

Collected date/time
01/07/24 10:00

Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 18:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 16:55	01/10/24 16:55	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2205639	1	01/11/24 21:50	01/11/24 21:50	JCP	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 18:50	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206200	1	01/12/24 13:52	01/14/24 18:18	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206200	1	01/12/24 13:52	01/14/24 18:18	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 12:41	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 23:18	JRM	Mt. Juliet, TN



NE-14D L1694492-06 GW

Collected by
Ryan Wallen

Collected date/time
01/07/24 12:00

Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:45	01/10/24 12:45	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:22	01/10/24 11:22	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:41	01/10/24 11:41	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:38	01/09/24 23:38	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:29	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 22:07	01/09/24 22:07	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 18:42	01/11/24 18:42	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:49	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:07	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:41	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:53	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:03	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 17:16	01/10/24 17:16	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 19:01	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204995	1	01/11/24 06:37	01/11/24 13:09	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204995	1	01/11/24 06:37	01/11/24 13:09	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 13:06	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 23:36	JRM	Mt. Juliet, TN

NE-14S L1694492-07 GW

Collected by
Ryan Wallen

Collected date/time
01/06/24 14:35

Received date/time
01/09/24 09:00

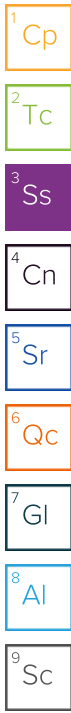
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 12:50	01/10/24 12:50	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:24	01/10/24 11:24	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	1	01/10/24 11:43	01/10/24 11:43	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:38	01/09/24 23:38	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:32	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 22:20	01/09/24 22:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 20:24	01/11/24 20:24	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:51	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:10	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:44	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:56	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 17:37	01/10/24 17:37	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2204123	1	01/11/24 10:21	01/14/24 20:34	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 03:59	LS	Mt. Juliet, TN

SAMPLE SUMMARY

NE-14S L1694492-07 GW

Collected by: Ryan Wallen
 Collected date/time: 01/06/24 14:35
 Received date/time: 01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:30	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 13:31	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 23:53	JRM	Mt. Juliet, TN



NE-15D L1694492-08 GW

Collected by: Ryan Wallen
 Collected date/time: 01/07/24 11:15
 Received date/time: 01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 13:10	01/10/24 13:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:25	01/10/24 11:25	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2204561	1	01/11/24 16:14	01/11/24 16:14	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:39	01/09/24 23:39	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:33	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 22:32	01/09/24 22:32	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 20:41	01/11/24 20:41	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:53	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:12	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:47	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 21:59	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 17:57	01/10/24 17:57	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 19:12	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204995	1	01/11/24 06:37	01/11/24 13:20	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204995	1	01/11/24 06:37	01/11/24 13:20	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 13:56	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/23/24 00:11	JRM	Mt. Juliet, TN

DUP L1694492-09 GW

Collected by: Ryan Wallen
 Collected date/time: 01/06/24 07:00
 Received date/time: 01/09/24 09:00

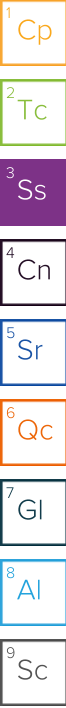
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 13:16	01/10/24 13:16	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:27	01/10/24 11:27	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2204561	1	01/11/24 16:21	01/11/24 16:21	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:39	01/09/24 23:39	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:34	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 22:45	01/09/24 22:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 20:58	01/11/24 20:58	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:56	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:15	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:50	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 22:02	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 18:18	01/10/24 18:18	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2204123	1	01/11/24 10:21	01/14/24 20:44	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 04:09	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:39	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 14:21	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/23/24 00:28	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

FB 1 L1694492-10 GW

Collected by
Ryan Wallen
Collected date/time
01/07/24 14:30
Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 13:22	01/10/24 13:22	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:36	01/10/24 11:36	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2204561	1	01/11/24 16:41	01/11/24 16:41	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:39	01/09/24 23:39	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:36	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 22:58	01/09/24 22:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 21:14	01/11/24 21:14	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 13:58	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:18	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:53	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 22:06	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 12:27	01/10/24 12:27	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 19:24	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 04:20	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:48	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 14:46	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/23/24 00:46	JRM	Mt. Juliet, TN



NE-2 L1694492-11 GW

Collected by
Ryan Wallen
Collected date/time
01/06/24 11:05
Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204642	1	01/11/24 09:23	01/11/24 09:23	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:39	01/10/24 11:39	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2204561	10	01/11/24 16:43	01/11/24 16:43	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:40	01/09/24 23:40	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:39	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 23:10	01/09/24 23:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 21:33	01/11/24 21:33	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 14:00	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:21	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:55	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 22:09	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 18:38	01/10/24 18:38	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2204123	1	01/11/24 10:21	01/14/24 20:55	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 05:55	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 16:56	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 15:11	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/23/24 01:03	JRM	Mt. Juliet, TN

NE-8 L1694492-12 GW

Collected by
Ryan Wallen
Collected date/time
01/06/24 12:15
Received date/time
01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2204269	1	01/10/24 10:37	01/10/24 13:07	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204642	1	01/11/24 09:51	01/11/24 09:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	1	01/10/24 11:42	01/10/24 11:42	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2204561	1	01/11/24 16:45	01/11/24 16:45	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203976	1	01/09/24 23:40	01/09/24 23:40	ARV	Mt. Juliet, TN

SAMPLE SUMMARY

NE-8 L1694492-12 GW

Collected by: Ryan Wallen
 Collected date/time: 01/06/24 12:15
 Received date/time: 01/09/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9012B	WG2203900	1	01/09/24 18:20	01/10/24 18:40	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203864	1	01/09/24 23:23	01/09/24 23:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	1	01/11/24 21:52	01/11/24 21:52	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	1	01/11/24 17:56	01/12/24 14:07	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/10/24 19:24	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2203836	1	01/10/24 02:57	01/11/24 10:58	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/28/24 22:12	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2203594	1	01/10/24 03:01	01/29/24 19:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2204389	1	01/10/24 18:59	01/10/24 18:59	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2205080	1	01/11/24 19:31	01/14/24 19:35	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2204162	1	01/10/24 22:25	01/17/24 06:05	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2204162	1	01/10/24 22:25	01/11/24 17:05	MFM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/22/24 15:36	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204164	1	01/11/24 07:21	01/23/24 01:20	JRM	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

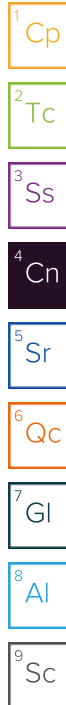
9 Sc

CASE NARRATIVE

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



Stacy Kennedy
Project Manager



Project Comments

-01 through -12 Method 8270: p-Phenylenediamine, 1,4-Naphthoquinone, and Methapyrilene are reporting with critically low recovery in the laboratory control sample(s). These compounds are method defined poor performers. Results are estimated.

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

Wet Chemistry by Method 9012B

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

Batch	Lab Sample ID	Analytes
WG2203900	(MS) R4021849-3, (MS) R4021849-5, (MSD) R4021849-4, (MSD) R4021849-6, L1694492-03	Cyanide

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2203836	(MS) R4021919-4, (MSD) R4021919-5	Calcium, Total Recoverable and Sodium, 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
WG2204389	(LCS) R4022165-1, L1694492-02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	1,2-Dibromo-3-Chloropropane and 2-Hexanone

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

Batch	Lab Sample ID	Analytes
WG2204389	(LCS) R4022165-1, L1694492-02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	Bromomethane and Iodomethane
WG2205593	(LCS) R4022465-1, (LCSD) R4022465-2, L1694492-01	Bromomethane, Chloromethane and Iodomethane

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

Batch	Lab Sample ID	Analytes
WG2205593	(LCSD) R4022465-2, L1694492-01	1,1-Dichloroethene, Carbon disulfide, Tetrachloroethene, Trichloroethene and Vinyl chloride

CASE NARRATIVE

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2204123	(LCS) R4023720-2	2,4-D
WG2204123	(MS) R4023720-3	2,4,5-T
WG2204123	(MSD) R4023720-4	2,4,5-T
WG2205080	(LCS) R4023666-2	2,4,5-T

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

Batch	Lab Sample ID	Analytes
WG2204123	(LCS) R4023720-2, L1694492-01, 02, 07, 09, 11	2,4-D

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

Batch	Lab Sample ID	Analytes
WG2205080	(LCSD) R4023666-3, L1694492-03, 04, 05, 06, 08, 10, 12	2,4,5-T

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

Batch	Lab Sample ID	Analytes
WG2204123	(MS) R4023720-3, (MSD) R4023720-4	2,4,5-T

Pesticides (GC) by Method 8081

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2204162	(LCS) R4022930-4	Methoxychlor

Polychlorinated Biphenyls (GC) by Method 8082

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2204995	(MS) R4022211-5	PCB 1016
WG2204995	(MSD) R4022211-6	PCB 1016

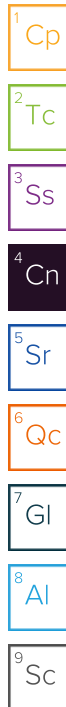
Semi Volatile Organic Compounds (GC/MS) by Method 8270C

The initial calibration verification standard (SSCV) associated with this data responded low.

Batch	Lab Sample ID	Analytes
WG2204164	L1694492-01	2-Naphthylamine, Kepone and p-Phenylenediamine
WG2204164	L1694492-02	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-03	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-04	Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-05	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-06	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-07	2-Naphthylamine, Dinoseb and p-Phenylenediamine
WG2204164	L1694492-08	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-09	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-10	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-11	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine
WG2204164	L1694492-12	2-Naphthylamine, Dinoseb, Kepone and p-Phenylenediamine

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

Batch	Lab Sample ID	Analytes
WG2204164	(LCS) R4027482-1, (LCS) R4026935-1, (LCSD) R4026935-2, L1694492-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	12 analytes



CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG2204164	(LCSD) R4026935-2, L1694492-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	24 analytes

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Units
pH (On Site)	6.08	su
Specific Conductance (on site)	727	umhos/cm
Temperature (on-site)	14.8	Deg. C
Turbidity (on-site)	2.7	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	88.9	mV
Depth to water (DTW) (FROM TOC)	9.72	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	385		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	341		10.0	1	01/10/2024 12:11	WG2204249
Alkalinity,Bicarbonate	341		10.0	1	01/10/2024 12:11	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:11	WG2204249

Sample Narrative:

L1694492-01 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:15	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.321		0.100	1	01/10/2024 11:14	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:35	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:16	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	26.9		3.00	1	01/09/2024 20:01	WG2203864
Sulfate	ND		5.00	1	01/09/2024 20:01	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 15:13	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	0.000465		0.000200	1	01/12/2024 13:32	WG2204305

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	01/10/2024 18:46	WG2203836
Barium, Total Recoverable	0.0894		0.00500	1	01/10/2024 18:46	WG2203836
Calcium, Total Recoverable	120		0.200	1	01/10/2024 18:46	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 18:46	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 18:46	WG2203836
Magnesium, Total Recoverable	4.03		0.200	1	01/11/2024 10:21	WG2203836
Manganese, Total Recoverable	2.47		0.00300	1	01/10/2024 18:46	WG2203836
Sodium, Total Recoverable	10.5		5.00	1	01/10/2024 18:46	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 18:46	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 18:46	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 18:46	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:29	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/28/2024 21:29	WG2203594
Cadmium, Total Recoverable	0.0124		0.00100	1	01/28/2024 21:29	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:29	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:29	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:29	WG2203594
Nickel, Total Recoverable	0.0527		0.00400	1	01/28/2024 21:29	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:29	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:29	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:29	WG2203594
Zinc, Total Recoverable	0.0760		0.00500	1	01/28/2024 21:29	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,1,1-Trichloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,1,2-Trichloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,1-Dichloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,1-Dichloroethene	ND	<u>J3</u>	1.00	1	01/12/2024 06:23	WG2205593
1,1-Dichloropropene	ND		1.00	1	01/12/2024 06:23	WG2205593
1,2,3-Trichloropropane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/12/2024 06:23	WG2205593
1,2-Dibromoethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,2-Dichlorobenzene	ND		1.00	1	01/12/2024 06:23	WG2205593
1,2-Dichloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,2-Dichloropropane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,3-Dichlorobenzene	ND		1.00	1	01/12/2024 06:23	WG2205593

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/12/2024 06:23	WG2205593
1,4-Dichlorobenzene	ND		1.00	1	01/12/2024 06:23	WG2205593
2,2-Dichloropropane	ND		5.00	1	01/12/2024 06:23	WG2205593
2-Butanone (MEK)	ND		5.00	1	01/12/2024 06:23	WG2205593
2-Hexanone	ND		5.00	1	01/12/2024 06:23	WG2205593
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/12/2024 06:23	WG2205593
Acetone	ND		11.3	1	01/12/2024 06:23	WG2205593
Acetonitrile	ND		30.0	1	01/12/2024 06:23	WG2205593
Acrolein	ND		20.0	1	01/12/2024 06:23	WG2205593
Acrylonitrile	ND		20.0	1	01/12/2024 06:23	WG2205593
Allyl chloride	ND		10.0	1	01/12/2024 06:23	WG2205593
Benzene	ND		1.00	1	01/12/2024 06:23	WG2205593
Bromochloromethane	ND		1.00	1	01/12/2024 06:23	WG2205593
Bromodichloromethane	ND		1.00	1	01/12/2024 06:23	WG2205593
Bromoform	ND		1.00	1	01/12/2024 06:23	WG2205593
Bromomethane	ND	J4	1.00	1	01/12/2024 06:23	WG2205593
Carbon disulfide	ND	J3	1.00	1	01/12/2024 06:23	WG2205593
Carbon tetrachloride	ND		1.00	1	01/12/2024 06:23	WG2205593
Chlorobenzene	ND		1.00	1	01/12/2024 06:23	WG2205593
Chloroethane	ND		1.00	1	01/12/2024 06:23	WG2205593
Chloroform	ND		1.00	1	01/12/2024 06:23	WG2205593
Chloromethane	ND	J4	1.00	1	01/12/2024 06:23	WG2205593
Chloroprene	ND		1.70	1	01/12/2024 06:23	WG2205593
Dibromochloromethane	ND		1.00	1	01/12/2024 06:23	WG2205593
Dibromomethane	ND		1.00	1	01/12/2024 06:23	WG2205593
Dichlorodifluoromethane	ND		2.00	1	01/12/2024 06:23	WG2205593
Ethyl methacrylate	ND		3.00	1	01/12/2024 06:23	WG2205593
Ethylbenzene	ND		1.00	1	01/12/2024 06:23	WG2205593
Iodomethane	ND	J4	1.00	1	01/12/2024 06:23	WG2205593
Isobutanol	ND		110	1	01/12/2024 06:23	WG2205593
Methacrylonitrile	ND		13.0	1	01/12/2024 06:23	WG2205593
Methyl methacrylate	ND		4.00	1	01/12/2024 06:23	WG2205593
Methylene Chloride	ND		1.07	1	01/12/2024 06:23	WG2205593
Propionitrile	ND		20.0	1	01/12/2024 06:23	WG2205593
Styrene	ND		1.00	1	01/12/2024 06:23	WG2205593
Tetrachloroethene	ND	J3	1.00	1	01/12/2024 06:23	WG2205593
Toluene	ND		1.00	1	01/12/2024 06:23	WG2205593
Trichloroethene	ND	J3	1.00	1	01/12/2024 06:23	WG2205593
Trichlorofluoromethane	ND		1.00	1	01/12/2024 06:23	WG2205593
Vinyl acetate	ND		5.00	1	01/12/2024 06:23	WG2205593
Vinyl chloride	ND	J3	1.00	1	01/12/2024 06:23	WG2205593
Xylenes, Total	ND		1.00	1	01/12/2024 06:23	WG2205593
cis-1,2-Dichloroethene	ND		1.00	1	01/12/2024 06:23	WG2205593
cis-1,3-Dichloropropene	ND		1.00	1	01/12/2024 06:23	WG2205593
trans-1,2-Dichloroethene	ND		1.00	1	01/12/2024 06:23	WG2205593
trans-1,3-Dichloropropene	ND		1.00	1	01/12/2024 06:23	WG2205593
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/12/2024 06:23	WG2205593
(S) Toluene-d8	106			80.0-120	01/12/2024 06:23	WG2205593
(S) 1,2-Dichloroethane-d4	116			70.0-130	01/12/2024 06:23	WG2205593
(S) 4-Bromofluorobenzene	86.8			77.0-126	01/12/2024 06:23	WG2205593

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/14/2024 20:14	WG2204123
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 20:14	WG2204123
2,4-D	ND	<u>J4</u>	4.00	1	01/14/2024 20:14	WG2204123
(S) 2,4-Dichlorophenyl Acetic Acid	87.8			14.0-158	01/14/2024 20:14	WG2204123

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 15:54	WG2204162
4,4-DDE	ND		0.0500	1	01/11/2024 15:54	WG2204162
4,4-DDT	ND		0.0500	1	01/11/2024 15:54	WG2204162
Aldrin	ND		0.0500	1	01/11/2024 15:54	WG2204162
Alpha BHC	ND		0.0500	1	01/11/2024 15:54	WG2204162
Beta BHC	ND		0.500	1	01/11/2024 15:54	WG2204162
Chlordane	ND		0.500	1	01/11/2024 15:54	WG2204162
Delta BHC	ND		0.0500	1	01/11/2024 15:54	WG2204162
Dieldrin	ND		0.0500	1	01/11/2024 15:54	WG2204162
Endosulfan I	ND		0.0500	1	01/11/2024 15:54	WG2204162
Endosulfan II	ND		0.0500	1	01/11/2024 15:54	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/11/2024 15:54	WG2204162
Endrin	ND		0.0500	1	01/11/2024 15:54	WG2204162
Endrin aldehyde	ND		0.0500	1	01/11/2024 15:54	WG2204162
Gamma BHC	ND		0.0500	1	01/11/2024 15:54	WG2204162
Heptachlor	ND		0.0500	1	01/11/2024 15:54	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/11/2024 15:54	WG2204162
Methoxychlor	ND		0.100	1	01/11/2024 15:54	WG2204162
Toxaphene	ND		5.00	1	01/11/2024 15:54	WG2204162
(S) Decachlorobiphenyl	59.1			10.0-128	01/11/2024 15:54	WG2204162
(S) Tetrachloro-m-xylene	88.9			10.0-127	01/11/2024 15:54	WG2204162

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 15:54	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 15:54	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 15:54	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 15:54	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 15:54	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 15:54	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 15:54	WG2204162
(S) Decachlorobiphenyl	67.8			10.0-128	01/11/2024 15:54	WG2204162
(S) Tetrachloro-m-xylene	83.0			10.0-127	01/11/2024 15:54	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 11:02	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 11:02	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 22:08	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 22:08	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 22:08	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 22:08	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 11:02	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 11:02	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 11:02	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 22:08	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 22:08	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 11:02	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 11:02	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/22/2024 22:08	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 22:08	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 22:08	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 11:02	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 22:08	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 11:02	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 11:02	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 11:02	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 22:08	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 11:02	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 11:02	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 11:02	WG2204164
Anthracene	ND		10.0	1	01/22/2024 11:02	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 11:02	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 11:02	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 11:02	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 11:02	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 11:02	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 11:02	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 11:02	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 22:08	WG2204164
Chrysene	ND		10.0	1	01/22/2024 11:02	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 11:02	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 11:02	WG2204164
Diallate	ND		20.0	1	01/22/2024 22:08	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 11:02	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 11:02	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 22:08	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 11:02	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 22:08	WG2204164
Dinoseb	ND		17.9	1	01/22/2024 22:08	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 11:02	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 22:08	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 22:08	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 22:08	WG2204164
Famphur	ND		200	1	01/22/2024 22:08	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 11:02	WG2204164
Fluorene	ND		10.0	1	01/22/2024 11:02	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 11:02	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 11:02	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 11:02	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 11:02	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 22:08	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 11:02	WG2204164
Isodrin	ND		10.0	1	01/22/2024 22:08	WG2204164
Isophorone	ND		10.0	1	01/22/2024 11:02	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 22:08	WG2204164
Kepone	ND	C6	1.88	1	01/22/2024 22:08	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 22:08	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 22:08	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 22:08	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 11:02	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 11:02	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 22:08	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 22:08	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 22:08	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 22:08	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 11:02	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 22:08	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 11:02	WG2204164
Phenol	ND		10.0	1	01/22/2024 11:02	WG2204164
Phorate	ND		50.0	1	01/22/2024 22:08	WG2204164
Pronamide	ND		20.0	1	01/22/2024 22:08	WG2204164
Pyrene	ND		10.0	1	01/22/2024 11:02	WG2204164
Safrole	ND		50.0	1	01/22/2024 22:08	WG2204164
Thionazin	ND		10.0	1	01/22/2024 22:08	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 22:08	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 11:02	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 22:08	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 11:02	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 11:02	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 22:08	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 22:08	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 22:08	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 22:08	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 22:08	WG2204164
(S) 2-Fluorophenol	28.2			10.0-120	01/22/2024 11:02	WG2204164
(S) 2,4,6-Tribromophenol	65.9			10.0-155	01/22/2024 11:02	WG2204164
(S) p-Terphenyl-d14	84.1			10.0-128	01/22/2024 11:02	WG2204164
(S) Phenol-d5	19.1			10.0-120	01/22/2024 11:02	WG2204164
(S) 2-Fluorobiphenyl	76.5			10.0-130	01/22/2024 11:02	WG2204164
(S) Nitrobenzene-d5	51.6			10.0-127	01/22/2024 11:02	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-01 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.83	su
Specific Conductance (on site)	239	umhos/cm
Temperature (on-site)	15.3	Deg. C
Turbidity (on-site)	10.6	NTU
Dissolved Oxygen (on-site)	8	mg/l
eH/ORP (On Site)	90.4	mV
Depth to water (DTW) (FROM TOC)	102.7	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	130		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	108		10.0	1	01/10/2024 12:21	WG2204249
Alkalinity,Bicarbonate	108		10.0	1	01/10/2024 12:21	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:21	WG2204249

Sample Narrative:

L1694492-02 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:16	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.824		0.100	1	01/10/2024 11:32	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:36	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:17	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	3.85		3.00	1	01/09/2024 20:52	WG2203864
Sulfate	ND		5.00	1	01/09/2024 20:52	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 15:47	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 13:39	WG2204305

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	01/10/2024 18:49	WG2203836
Barium, Total Recoverable	0.0186		0.00500	1	01/10/2024 18:49	WG2203836
Calcium, Total Recoverable	39.6		0.200	1	01/10/2024 18:49	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 18:49	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 18:49	WG2203836
Magnesium, Total Recoverable	1.06		0.200	1	01/11/2024 10:24	WG2203836
Manganese, Total Recoverable	0.00421	J	0.00300	1	01/10/2024 18:49	WG2203836
Sodium, Total Recoverable	ND		5.00	1	01/10/2024 18:49	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 18:49	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 18:49	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 18:49	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:33	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/28/2024 21:33	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:33	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:33	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:33	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:33	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:33	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:33	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:33	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:33	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 21:33	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 13:30	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 13:30	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 13:30	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 13:30	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 13:30	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 13:30	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 13:30	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 13:30	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 13:30	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 13:30	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 13:30	WG2204389
Acetone	ND		11.3	1	01/10/2024 13:30	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 13:30	WG2204389
Acrolein	ND		20.0	1	01/10/2024 13:30	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 13:30	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 13:30	WG2204389
Benzene	ND		1.00	1	01/10/2024 13:30	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Bromoform	ND		1.00	1	01/10/2024 13:30	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 13:30	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 13:30	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 13:30	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 13:30	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Chloroform	ND		1.00	1	01/10/2024 13:30	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 13:30	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 13:30	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 13:30	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 13:30	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 13:30	WG2204389
Isobutanol	ND		110	1	01/10/2024 13:30	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 13:30	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 13:30	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 13:30	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 13:30	WG2204389
Styrene	ND		1.00	1	01/10/2024 13:30	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 13:30	WG2204389
Toluene	ND		1.00	1	01/10/2024 13:30	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 13:30	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 13:30	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 13:30	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 13:30	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 13:30	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 13:30	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 13:30	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 13:30	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 13:30	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 13:30	WG2204389
(S) Toluene-d8	106			80.0-120	01/10/2024 13:30	WG2204389
(S) 1,2-Dichloroethane-d4	125			70.0-130	01/10/2024 13:30	WG2204389
(S) 4-Bromofluorobenzene	82.8			77.0-126	01/10/2024 13:30	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/14/2024 20:24	WG2204123
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 20:24	WG2204123
2,4-D	ND	<u>J4</u>	4.00	1	01/14/2024 20:24	WG2204123
(S) 2,4-Dichlorophenyl Acetic Acid	72.3			14.0-158	01/14/2024 20:24	WG2204123

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 03:29	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 03:29	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 03:29	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 03:29	WG2204162
Alpha BHC	ND		0.0500	1	01/17/2024 03:29	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 03:29	WG2204162
Chlordane	ND		0.500	1	01/17/2024 03:29	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 03:29	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 03:29	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 03:29	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 03:29	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 03:29	WG2204162
Endrin	ND		0.0500	1	01/17/2024 03:29	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 03:29	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 03:29	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 03:29	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 03:29	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 03:29	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 03:29	WG2204162
(S) Decachlorobiphenyl	27.3			10.0-128	01/17/2024 03:29	WG2204162
(S) Tetrachloro-m-xylene	56.4			10.0-127	01/17/2024 03:29	WG2204162

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:03	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:03	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:03	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:03	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:03	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:03	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:03	WG2204162
(S) Decachlorobiphenyl	25.2			10.0-128	01/11/2024 16:03	WG2204162
(S) Tetrachloro-m-xylene	57.8			10.0-127	01/11/2024 16:03	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 11:26	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 11:26	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 22:25	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 22:25	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 22:25	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 22:25	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 11:26	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 11:26	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 11:26	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 22:25	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 22:25	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 11:26	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 11:26	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/22/2024 22:25	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 22:25	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 22:25	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 11:26	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 22:25	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 11:26	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 11:26	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 11:26	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 22:25	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 11:26	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 11:26	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 11:26	WG2204164
Anthracene	ND		10.0	1	01/22/2024 11:26	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 11:26	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 11:26	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 11:26	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 11:26	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 11:26	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 11:26	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 11:26	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 22:25	WG2204164
Chrysene	ND		10.0	1	01/22/2024 11:26	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 11:26	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 11:26	WG2204164
Diallate	ND		20.0	1	01/22/2024 22:25	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 11:26	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 11:26	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 22:25	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 11:26	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 22:25	WG2204164
Dinoseb	ND	C6	17.9	1	01/22/2024 22:25	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Diphenylamine	ND		10.0	1	01/22/2024 11:26	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 22:25	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 22:25	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 22:25	WG2204164
Famphur	ND		200	1	01/22/2024 22:25	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 11:26	WG2204164
Fluorene	ND		10.0	1	01/22/2024 11:26	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 11:26	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 11:26	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 11:26	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 11:26	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 22:25	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 11:26	WG2204164
Isodrin	ND		10.0	1	01/22/2024 22:25	WG2204164
Isophorone	ND		10.0	1	01/22/2024 11:26	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 22:25	WG2204164
Kepone	ND	C6	1.88	1	01/22/2024 22:25	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 22:25	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 22:25	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 22:25	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 11:26	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 11:26	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 22:25	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 22:25	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 22:25	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 22:25	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 11:26	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 22:25	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 11:26	WG2204164
Phenol	ND		10.0	1	01/22/2024 11:26	WG2204164
Phorate	ND		50.0	1	01/22/2024 22:25	WG2204164
Pronamide	ND		20.0	1	01/22/2024 22:25	WG2204164
Pyrene	ND		10.0	1	01/22/2024 11:26	WG2204164
Safrole	ND		50.0	1	01/22/2024 22:25	WG2204164
Thionazin	ND		10.0	1	01/22/2024 22:25	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 22:25	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 11:26	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 22:25	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 11:26	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 11:26	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 22:25	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 22:25	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 22:25	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 22:25	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 22:25	WG2204164
(S) 2-Fluorophenol	30.4			10.0-120	01/22/2024 11:26	WG2204164
(S) 2,4,6-Tribromophenol	67.0			10.0-155	01/22/2024 11:26	WG2204164
(S) p-Terphenyl-d14	88.4			10.0-128	01/22/2024 11:26	WG2204164
(S) Phenol-d5	20.1			10.0-120	01/22/2024 11:26	WG2204164
(S) 2-Fluorobiphenyl	78.0			10.0-130	01/22/2024 11:26	WG2204164
(S) Nitrobenzene-d5	56.7			10.0-127	01/22/2024 11:26	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-02 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.34	su
Specific Conductance (on site)	600	umhos/cm
Temperature (on-site)	14.3	Deg. C
Turbidity (on-site)	5.4	NTU
Dissolved Oxygen (on-site)	2.2	mg/l
eH/ORP (On Site)	64.1	mV
Depth to water (DTW) (FROM TOC)	50.3	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	315		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	257		10.0	1	01/10/2024 12:27	WG2204249
Alkalinity,Bicarbonate	257		10.0	1	01/10/2024 12:27	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:27	WG2204249

Sample Narrative:

L1694492-03 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:18	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.04		0.100	1	01/10/2024 11:34	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:36	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND	J6	0.0100	1	01/10/2024 18:19	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	27.2		3.00	1	01/09/2024 21:04	WG2203864
Sulfate	7.14		5.00	1	01/09/2024 21:04	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
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Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 17:30	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 13:42	WG2204305

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	01/10/2024 18:58	WG2203836
Barium, Total Recoverable	0.0623		0.00500	1	01/10/2024 18:58	WG2203836
Calcium, Total Recoverable	94.7		0.200	1	01/10/2024 18:58	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 18:58	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 18:58	WG2203836
Magnesium, Total Recoverable	4.14		0.200	1	01/11/2024 10:27	WG2203836
Manganese, Total Recoverable	0.0629		0.00300	1	01/10/2024 18:58	WG2203836
Sodium, Total Recoverable	10.3		5.00	1	01/10/2024 18:58	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 18:58	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 18:58	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 18:58	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:43	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 18:53	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:43	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:43	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:43	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:43	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:43	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:43	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:43	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:43	WG2203594
Zinc, Total Recoverable	0.00586	J	0.00500	1	01/28/2024 21:43	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 13:50	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 13:50	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 13:50	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 13:50	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 13:50	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

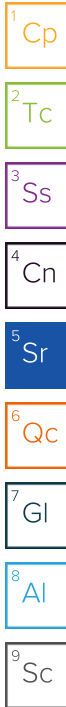
7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 13:50	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 13:50	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 13:50	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 13:50	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 13:50	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 13:50	WG2204389
Acetone	ND		11.3	1	01/10/2024 13:50	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 13:50	WG2204389
Acrolein	ND		20.0	1	01/10/2024 13:50	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 13:50	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 13:50	WG2204389
Benzene	ND		1.00	1	01/10/2024 13:50	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Bromoform	ND		1.00	1	01/10/2024 13:50	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 13:50	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 13:50	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 13:50	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 13:50	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Chloroform	ND		1.00	1	01/10/2024 13:50	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 13:50	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 13:50	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 13:50	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 13:50	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 13:50	WG2204389
Isobutanol	ND		110	1	01/10/2024 13:50	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 13:50	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 13:50	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 13:50	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 13:50	WG2204389
Styrene	ND		1.00	1	01/10/2024 13:50	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 13:50	WG2204389
Toluene	ND		1.00	1	01/10/2024 13:50	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 13:50	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 13:50	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 13:50	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 13:50	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 13:50	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 13:50	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 13:50	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 13:50	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 13:50	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 13:50	WG2204389
(S) Toluene-d8	110			80.0-120	01/10/2024 13:50	WG2204389
(S) 1,2-Dichloroethane-d4	124			70.0-130	01/10/2024 13:50	WG2204389
(S) 4-Bromofluorobenzene	85.8			77.0-126	01/10/2024 13:50	WG2204389



Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J3</u>	1.00	1	01/14/2024 18:27	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 18:27	WG2205080
2,4-D	ND		4.00	1	01/14/2024 18:27	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	84.0			14.0-158	01/14/2024 18:27	WG2205080

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 03:39	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 03:39	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 03:39	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 03:39	WG2204162
Alpha BHC	ND		0.0500	1	01/17/2024 03:39	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 03:39	WG2204162
Chlordane	ND		0.500	1	01/17/2024 03:39	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 03:39	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 03:39	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 03:39	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 03:39	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 03:39	WG2204162
Endrin	ND		0.0500	1	01/17/2024 03:39	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 03:39	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 03:39	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 03:39	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 03:39	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 03:39	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 03:39	WG2204162
(S) Decachlorobiphenyl	58.4			10.0-128	01/17/2024 03:39	WG2204162
(S) Tetrachloro-m-xylene	66.3			10.0-127	01/17/2024 03:39	WG2204162

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:12	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:12	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:12	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:12	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:12	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:12	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:12	WG2204162
(S) Decachlorobiphenyl	50.7			10.0-128	01/11/2024 16:12	WG2204162
(S) Tetrachloro-m-xylene	69.5			10.0-127	01/11/2024 16:12	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 11:51	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 11:51	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 22:43	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 22:43	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 22:43	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 22:43	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 11:51	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 11:51	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 11:51	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 22:43	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 22:43	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 11:51	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 11:51	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/22/2024 22:43	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 22:43	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 22:43	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 11:51	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 22:43	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 11:51	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 11:51	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 11:51	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 22:43	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 11:51	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 11:51	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 11:51	WG2204164
Anthracene	ND		10.0	1	01/22/2024 11:51	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 11:51	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 11:51	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 11:51	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 11:51	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 11:51	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 11:51	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 11:51	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 22:43	WG2204164
Chrysene	ND		10.0	1	01/22/2024 11:51	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 11:51	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 11:51	WG2204164
Diallate	ND		20.0	1	01/22/2024 22:43	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 11:51	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 11:51	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 22:43	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 11:51	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 22:43	WG2204164
Dinoseb	ND	C6	17.9	1	01/22/2024 22:43	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 11:51	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 22:43	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 22:43	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 22:43	WG2204164
Famphur	ND		200	1	01/22/2024 22:43	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 11:51	WG2204164
Fluorene	ND		10.0	1	01/22/2024 11:51	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 11:51	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 11:51	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 11:51	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 11:51	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 22:43	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 11:51	WG2204164
Isodrin	ND		10.0	1	01/22/2024 22:43	WG2204164
Isophorone	ND		10.0	1	01/22/2024 11:51	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 22:43	WG2204164
Kepone	ND	C6	1.88	1	01/22/2024 22:43	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 22:43	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 22:43	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 22:43	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 11:51	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 11:51	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 22:43	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 22:43	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 22:43	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 22:43	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 11:51	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 22:43	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 11:51	WG2204164
Phenol	ND		10.0	1	01/22/2024 11:51	WG2204164
Phorate	ND		50.0	1	01/22/2024 22:43	WG2204164
Pronamide	ND		20.0	1	01/22/2024 22:43	WG2204164
Pyrene	ND		10.0	1	01/22/2024 11:51	WG2204164
Safrole	ND		50.0	1	01/22/2024 22:43	WG2204164
Thionazin	ND		10.0	1	01/22/2024 22:43	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 22:43	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 11:51	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 22:43	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 11:51	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 11:51	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 22:43	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 22:43	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 22:43	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 22:43	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 22:43	WG2204164
(S) 2-Fluorophenol	21.1			10.0-120	01/22/2024 11:51	WG2204164
(S) 2,4,6-Tribromophenol	61.5			10.0-155	01/22/2024 11:51	WG2204164
(S) p-Terphenyl-d14	75.4			10.0-128	01/22/2024 11:51	WG2204164
(S) Phenol-d5	16.0			10.0-120	01/22/2024 11:51	WG2204164
(S) 2-Fluorobiphenyl	76.5			10.0-130	01/22/2024 11:51	WG2204164
(S) Nitrobenzene-d5	52.2			10.0-127	01/22/2024 11:51	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-03 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.73	su
Specific Conductance (on site)	495	umhos/cm
Temperature (on-site)	14.2	Deg. C
Turbidity (on-site)	4.3	NTU
Dissolved Oxygen (on-site)	5.6	mg/l
eH/ORP (On Site)	82.8	mV
Depth to water (DTW) (FROM TOC)	58.81	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	253		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	242		10.0	1	01/10/2024 12:33	WG2204249
Alkalinity,Bicarbonate	242		10.0	1	01/10/2024 12:33	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:33	WG2204249

Sample Narrative:

L1694492-04 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:19	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.12		0.100	1	01/10/2024 11:36	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:37	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:23	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	5.92		3.00	1	01/09/2024 21:17	WG2203864
Sulfate	ND		5.00	1	01/09/2024 21:17	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 17:46	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 13:44	WG2204305

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	01/10/2024 19:01	WG2203836
Barium, Total Recoverable	0.0229		0.00500	1	01/10/2024 19:01	WG2203836
Calcium, Total Recoverable	84.0		0.200	1	01/10/2024 19:01	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:01	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:01	WG2203836
Magnesium, Total Recoverable	1.33		0.200	1	01/11/2024 10:29	WG2203836
Manganese, Total Recoverable	ND		0.00300	1	01/10/2024 19:01	WG2203836
Sodium, Total Recoverable	ND		5.00	1	01/10/2024 19:01	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:01	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:01	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:01	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:46	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 18:56	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:46	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:46	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:46	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:46	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:46	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:46	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:46	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:46	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 21:46	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 14:11	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 14:11	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 14:11	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 14:11	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 14:11	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 14:11	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 14:11	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 14:11	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 14:11	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 14:11	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 14:11	WG2204389
Acetone	ND		11.3	1	01/10/2024 14:11	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 14:11	WG2204389
Acrolein	ND		20.0	1	01/10/2024 14:11	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 14:11	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 14:11	WG2204389
Benzene	ND		1.00	1	01/10/2024 14:11	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Bromoform	ND		1.00	1	01/10/2024 14:11	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 14:11	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 14:11	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 14:11	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 14:11	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Chloroform	ND		1.00	1	01/10/2024 14:11	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 14:11	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 14:11	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 14:11	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 14:11	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 14:11	WG2204389
Isobutanol	ND		110	1	01/10/2024 14:11	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 14:11	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 14:11	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 14:11	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 14:11	WG2204389
Styrene	ND		1.00	1	01/10/2024 14:11	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 14:11	WG2204389
Toluene	ND		1.00	1	01/10/2024 14:11	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 14:11	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 14:11	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 14:11	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 14:11	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 14:11	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 14:11	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 14:11	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 14:11	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 14:11	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 14:11	WG2204389
(S) Toluene-d8	106			80.0-120	01/10/2024 14:11	WG2204389
(S) 1,2-Dichloroethane-d4	125			70.0-130	01/10/2024 14:11	WG2204389
(S) 4-Bromofluorobenzene	84.7			77.0-126	01/10/2024 14:11	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J3</u>	1.00	1	01/14/2024 18:38	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 18:38	WG2205080
2,4-D	ND		4.00	1	01/14/2024 18:38	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	84.5			14.0-158	01/14/2024 18:38	WG2205080

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 03:49	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 03:49	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 03:49	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 03:49	WG2204162
Alpha BHC	ND		0.0500	1	01/17/2024 03:49	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 03:49	WG2204162
Chlordane	ND		0.500	1	01/17/2024 03:49	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 03:49	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 03:49	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 03:49	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 03:49	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 03:49	WG2204162
Endrin	ND		0.0500	1	01/17/2024 03:49	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 03:49	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 03:49	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 03:49	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 03:49	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 03:49	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 03:49	WG2204162
(S) Decachlorobiphenyl	57.8			10.0-128	01/17/2024 03:49	WG2204162
(S) Tetrachloro-m-xylene	67.3			10.0-127	01/17/2024 03:49	WG2204162

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:21	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:21	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:21	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:21	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:21	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:21	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:21	WG2204162
(S) Decachlorobiphenyl	44.6			10.0-128	01/11/2024 16:21	WG2204162
(S) Tetrachloro-m-xylene	70.2			10.0-127	01/11/2024 16:21	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 12:16	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 12:16	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 23:00	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 23:00	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 23:00	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 23:00	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 12:16	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 12:16	WG2204164

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 12:16	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 23:00	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 23:00	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 12:16	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 12:16	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
2-Naphthylamine	ND		10.0	1	01/22/2024 23:00	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 23:00	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 23:00	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 12:16	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 23:00	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 12:16	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 12:16	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 12:16	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 23:00	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 12:16	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 12:16	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 12:16	WG2204164
Anthracene	ND		10.0	1	01/22/2024 12:16	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 12:16	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 12:16	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 12:16	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 12:16	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 12:16	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 12:16	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 12:16	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 23:00	WG2204164
Chrysene	ND		10.0	1	01/22/2024 12:16	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 12:16	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 12:16	WG2204164
Diallate	ND		20.0	1	01/22/2024 23:00	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 12:16	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 12:16	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 23:00	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 12:16	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 23:00	WG2204164
Dinoseb	ND	C6	17.9	1	01/22/2024 23:00	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 12:16	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 23:00	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 23:00	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 23:00	WG2204164
Famphur	ND		200	1	01/22/2024 23:00	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 12:16	WG2204164
Fluorene	ND		10.0	1	01/22/2024 12:16	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 12:16	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 12:16	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 12:16	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 12:16	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 23:00	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 12:16	WG2204164
Isodrin	ND		10.0	1	01/22/2024 23:00	WG2204164
Isophorone	ND		10.0	1	01/22/2024 12:16	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 23:00	WG2204164
Kepone	ND	C6	1.88	1	01/22/2024 23:00	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 23:00	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 23:00	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 23:00	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 12:16	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 12:16	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 23:00	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 23:00	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 23:00	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 23:00	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 12:16	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 23:00	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 12:16	WG2204164
Phenol	ND		10.0	1	01/22/2024 12:16	WG2204164
Phorate	ND		50.0	1	01/22/2024 23:00	WG2204164
Pronamide	ND		20.0	1	01/22/2024 23:00	WG2204164
Pyrene	ND		10.0	1	01/22/2024 12:16	WG2204164
Safrole	ND		50.0	1	01/22/2024 23:00	WG2204164
Thionazin	ND		10.0	1	01/22/2024 23:00	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 23:00	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 12:16	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 23:00	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 12:16	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 12:16	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 23:00	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 23:00	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 23:00	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 23:00	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 23:00	WG2204164
(S) 2-Fluorophenol	29.3			10.0-120	01/22/2024 12:16	WG2204164
(S) 2,4,6-Tribromophenol	65.4			10.0-155	01/22/2024 12:16	WG2204164
(S) p-Terphenyl-d14	85.6			10.0-128	01/22/2024 12:16	WG2204164
(S) Phenol-d5	20.9			10.0-120	01/22/2024 12:16	WG2204164
(S) 2-Fluorobiphenyl	76.9			10.0-130	01/22/2024 12:16	WG2204164
(S) Nitrobenzene-d5	52.3			10.0-127	01/22/2024 12:16	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

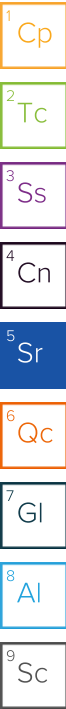
9 Sc

Sample Narrative:

L1694492-04 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.64	su
Specific Conductance (on site)	360	umhos/cm
Temperature (on-site)	16	Deg. C
Turbidity (on-site)	83.5	NTU
Dissolved Oxygen (on-site)	7.1	mg/l
eH/ORP (On Site)	114.1	mV
Depth to water (DTW) (FROM TOC)	60.58	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	164		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	120		10.0	1	01/10/2024 12:39	WG2204249
Alkalinity,Bicarbonate	120		10.0	1	01/10/2024 12:39	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:39	WG2204249

Sample Narrative:

L1694492-05 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:21	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.45		0.100	1	01/10/2024 11:38	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:37	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:27	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	6.35		3.00	1	01/09/2024 21:55	WG2203864
Sulfate	15.1		5.00	1	01/09/2024 21:55	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.28		1.00	1	01/11/2024 18:06	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 13:46	WG2204305

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	01/10/2024 19:04	WG2203836
Barium, Total Recoverable	0.0365		0.00500	1	01/10/2024 19:04	WG2203836
Calcium, Total Recoverable	46.0		0.200	1	01/10/2024 19:04	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:04	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:04	WG2203836
Magnesium, Total Recoverable	3.44		0.200	1	01/11/2024 10:38	WG2203836
Manganese, Total Recoverable	0.0181		0.00300	1	01/10/2024 19:04	WG2203836
Sodium, Total Recoverable	9.63		5.00	1	01/10/2024 19:04	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:04	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:04	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:04	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:49	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 18:59	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:49	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:49	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:49	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:49	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:49	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:49	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:49	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:49	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 21:49	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 16:55	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 16:55	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,2-Dibromo-3-Chloropropane	ND	<u>J4</u>	2.00	1	01/10/2024 16:55	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 16:55	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 16:55	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 16:55	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 16:55	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 16:55	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 16:55	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 16:55	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 16:55	WG2204389
Acetone	ND		11.3	1	01/10/2024 16:55	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 16:55	WG2204389
Acrolein	ND		20.0	1	01/10/2024 16:55	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 16:55	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 16:55	WG2204389
Benzene	ND		1.00	1	01/10/2024 16:55	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Bromoform	ND		1.00	1	01/10/2024 16:55	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 16:55	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 16:55	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 16:55	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 16:55	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Chloroform	ND		1.00	1	01/10/2024 16:55	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 16:55	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 16:55	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 16:55	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 16:55	WG2204389
Iodomethane	ND		1.00	1	01/11/2024 21:50	WG2205639
Isobutanol	ND		110	1	01/10/2024 16:55	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 16:55	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 16:55	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 16:55	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 16:55	WG2204389
Styrene	ND		1.00	1	01/10/2024 16:55	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 16:55	WG2204389
Toluene	ND		1.00	1	01/10/2024 16:55	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 16:55	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 16:55	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 16:55	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 16:55	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 16:55	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 16:55	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 16:55	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 16:55	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 16:55	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 16:55	WG2204389
(S) Toluene-d8	107			80.0-120	01/10/2024 16:55	WG2204389
(S) Toluene-d8	102			80.0-120	01/11/2024 21:50	WG2205639
(S) 1,2-Dichloroethane-d4	125			70.0-130	01/10/2024 16:55	WG2204389
(S) 1,2-Dichloroethane-d4	98.4			70.0-130	01/11/2024 21:50	WG2205639
(S) 4-Bromofluorobenzene	94.3			77.0-126	01/10/2024 16:55	WG2204389
(S) 4-Bromofluorobenzene	94.7			77.0-126	01/11/2024 21:50	WG2205639

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J3</u>	1.00	1	01/14/2024 18:50	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 18:50	WG2205080
2,4-D	ND		4.00	1	01/14/2024 18:50	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	65.8			14.0-158	01/14/2024 18:50	WG2205080

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/14/2024 18:18	WG2206200
4,4-DDE	ND		0.0500	1	01/14/2024 18:18	WG2206200
4,4-DDT	ND		0.0500	1	01/14/2024 18:18	WG2206200
Aldrin	ND		0.0500	1	01/14/2024 18:18	WG2206200
Alpha BHC	ND		0.0500	1	01/14/2024 18:18	WG2206200
Beta BHC	ND		0.500	1	01/14/2024 18:18	WG2206200
Chlordane	ND		0.500	1	01/14/2024 18:18	WG2206200
Delta BHC	ND		0.0500	1	01/14/2024 18:18	WG2206200
Dieldrin	ND		0.0500	1	01/14/2024 18:18	WG2206200
Endosulfan I	ND		0.0500	1	01/14/2024 18:18	WG2206200
Endosulfan II	ND		0.0500	1	01/14/2024 18:18	WG2206200
Endosulfan sulfate	ND		0.0500	1	01/14/2024 18:18	WG2206200
Endrin	ND		0.0500	1	01/14/2024 18:18	WG2206200
Endrin aldehyde	ND		0.0500	1	01/14/2024 18:18	WG2206200
Gamma BHC	ND		0.0500	1	01/14/2024 18:18	WG2206200
Heptachlor	ND		0.0500	1	01/14/2024 18:18	WG2206200
Heptachlor epoxide	ND		0.0500	1	01/14/2024 18:18	WG2206200
Methoxychlor	ND		0.100	1	01/14/2024 18:18	WG2206200
Toxaphene	ND		5.00	1	01/14/2024 18:18	WG2206200
(S) Decachlorobiphenyl	11.4			10.0-128	01/14/2024 18:18	WG2206200
(S) Tetrachloro-m-xylene	48.1			10.0-127	01/14/2024 18:18	WG2206200

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/14/2024 18:18	WG2206200
PCB 1221	ND		1.00	1	01/14/2024 18:18	WG2206200
PCB 1232	ND		1.00	1	01/14/2024 18:18	WG2206200
PCB 1242	ND		1.00	1	01/14/2024 18:18	WG2206200
PCB 1248	ND		1.00	1	01/14/2024 18:18	WG2206200
PCB 1254	ND		1.00	1	01/14/2024 18:18	WG2206200
PCB 1260	ND		1.00	1	01/14/2024 18:18	WG2206200
(S) Decachlorobiphenyl	11.9			10.0-128	01/14/2024 18:18	WG2206200
(S) Tetrachloro-m-xylene	50.0			10.0-127	01/14/2024 18:18	WG2206200

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 12:41	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 12:41	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 23:18	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 23:18	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 23:18	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 23:18	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 12:41	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 12:41	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 12:41	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 23:18	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 23:18	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 12:41	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 12:41	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/22/2024 23:18	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 23:18	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 23:18	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 12:41	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 23:18	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 12:41	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 12:41	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 12:41	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 23:18	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 12:41	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 12:41	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 12:41	WG2204164
Anthracene	ND		10.0	1	01/22/2024 12:41	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 12:41	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 12:41	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 12:41	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 12:41	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 12:41	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 12:41	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 12:41	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 23:18	WG2204164
Chrysene	ND		10.0	1	01/22/2024 12:41	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 12:41	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 12:41	WG2204164
Diallate	ND		20.0	1	01/22/2024 23:18	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 12:41	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 12:41	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 23:18	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 12:41	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 23:18	WG2204164
Dinoseb	ND	C6	17.9	1	01/22/2024 23:18	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 12:41	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 23:18	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 23:18	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 23:18	WG2204164
Famphur	ND		200	1	01/22/2024 23:18	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 12:41	WG2204164
Fluorene	ND		10.0	1	01/22/2024 12:41	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 12:41	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 12:41	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 12:41	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 12:41	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 23:18	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 12:41	WG2204164
Isodrin	ND		10.0	1	01/22/2024 23:18	WG2204164
Isophorone	ND		10.0	1	01/22/2024 12:41	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 23:18	WG2204164
Kepone	ND	C6	1.88	1	01/22/2024 23:18	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 23:18	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 23:18	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 23:18	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 12:41	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 12:41	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 23:18	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 23:18	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 23:18	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 23:18	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 12:41	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 23:18	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 12:41	WG2204164
Phenol	ND		10.0	1	01/22/2024 12:41	WG2204164
Phorate	ND		50.0	1	01/22/2024 23:18	WG2204164
Pronamide	ND		20.0	1	01/22/2024 23:18	WG2204164
Pyrene	ND		10.0	1	01/22/2024 12:41	WG2204164
Safrole	ND		50.0	1	01/22/2024 23:18	WG2204164
Thionazin	ND		10.0	1	01/22/2024 23:18	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 23:18	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 12:41	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 23:18	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 12:41	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 12:41	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 23:18	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 23:18	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 23:18	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 23:18	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 23:18	WG2204164
(S) 2-Fluorophenol	32.2			10.0-120	01/22/2024 12:41	WG2204164
(S) 2,4,6-Tribromophenol	63.0			10.0-155	01/22/2024 12:41	WG2204164
(S) p-Terphenyl-d14	78.5			10.0-128	01/22/2024 12:41	WG2204164
(S) Phenol-d5	21.6			10.0-120	01/22/2024 12:41	WG2204164
(S) 2-Fluorobiphenyl	72.7			10.0-130	01/22/2024 12:41	WG2204164
(S) Nitrobenzene-d5	49.1			10.0-127	01/22/2024 12:41	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-05 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.59	su
Specific Conductance (on site)	679	umhos/cm
Temperature (on-site)	14	Deg. C
Turbidity (on-site)	2.7	NTU
Dissolved Oxygen (on-site)	1.5	mg/l
eH/ORP (On Site)	72.9	mV
Depth to water (DTW) (FROM TOC)	17.55	ft

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	354		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	332		10.0	1	01/10/2024 12:45	WG2204249
Alkalinity,Bicarbonate	332		10.0	1	01/10/2024 12:45	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:45	WG2204249

Sample Narrative:

L1694492-06 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:22	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.07		0.100	1	01/10/2024 11:41	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:38	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:29	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	14.0		3.00	1	01/09/2024 22:07	WG2203864
Sulfate	ND		5.00	1	01/09/2024 22:07	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 18:42	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	0.000990		0.000200	1	01/12/2024 13:49	WG2204305

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	01/10/2024 19:07	WG2203836
Barium, Total Recoverable	0.0645		0.00500	1	01/10/2024 19:07	WG2203836
Calcium, Total Recoverable	118		0.200	1	01/10/2024 19:07	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:07	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:07	WG2203836
Magnesium, Total Recoverable	2.11		0.200	1	01/11/2024 10:41	WG2203836
Manganese, Total Recoverable	ND		0.00300	1	01/10/2024 19:07	WG2203836
Sodium, Total Recoverable	8.21		5.00	1	01/10/2024 19:07	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:07	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:07	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:07	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:53	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:03	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:53	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:53	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:53	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:53	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:53	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:53	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:53	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:53	WG2203594
Zinc, Total Recoverable	0.0199	J	0.00500	1	01/28/2024 21:53	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 17:16	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 17:16	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 17:16	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 17:16	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 17:16	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 17:16	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 17:16	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 17:16	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 17:16	WG2204389
2-Hexanone	ND	<u>J4</u>	5.00	1	01/10/2024 17:16	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 17:16	WG2204389
Acetone	ND		11.3	1	01/10/2024 17:16	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 17:16	WG2204389
Acrolein	ND		20.0	1	01/10/2024 17:16	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 17:16	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 17:16	WG2204389
Benzene	ND		1.00	1	01/10/2024 17:16	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Bromoform	ND		1.00	1	01/10/2024 17:16	WG2204389
Bromomethane	1.54	<u>J J4</u>	1.00	1	01/10/2024 17:16	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 17:16	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 17:16	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 17:16	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Chloroform	ND		1.00	1	01/10/2024 17:16	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 17:16	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 17:16	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 17:16	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 17:16	WG2204389
Iodomethane	ND	<u>J4</u>	1.00	1	01/10/2024 17:16	WG2204389
Isobutanol	ND		110	1	01/10/2024 17:16	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 17:16	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 17:16	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 17:16	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 17:16	WG2204389
Styrene	ND		1.00	1	01/10/2024 17:16	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 17:16	WG2204389
Toluene	ND		1.00	1	01/10/2024 17:16	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 17:16	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 17:16	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 17:16	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 17:16	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 17:16	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 17:16	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 17:16	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 17:16	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 17:16	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 17:16	WG2204389
(S) Toluene-d8	107			80.0-120	01/10/2024 17:16	WG2204389
(S) 1,2-Dichloroethane-d4	118			70.0-130	01/10/2024 17:16	WG2204389
(S) 4-Bromofluorobenzene	85.2			77.0-126	01/10/2024 17:16	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J3</u>	1.00	1	01/14/2024 19:01	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 19:01	WG2205080
2,4-D	ND		4.00	1	01/14/2024 19:01	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	63.2			14.0-158	01/14/2024 19:01	WG2205080

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 13:09	WG2204995
4,4-DDE	ND		0.0500	1	01/11/2024 13:09	WG2204995
4,4-DDT	ND		0.0500	1	01/11/2024 13:09	WG2204995
Aldrin	ND		0.0500	1	01/11/2024 13:09	WG2204995
Alpha BHC	ND		0.0500	1	01/11/2024 13:09	WG2204995
Beta BHC	ND		0.500	1	01/11/2024 13:09	WG2204995
Chlordane	ND		0.500	1	01/11/2024 13:09	WG2204995
Delta BHC	ND		0.0500	1	01/11/2024 13:09	WG2204995
Dieldrin	ND		0.0500	1	01/11/2024 13:09	WG2204995
Endosulfan I	ND		0.0500	1	01/11/2024 13:09	WG2204995
Endosulfan II	ND		0.0500	1	01/11/2024 13:09	WG2204995
Endosulfan sulfate	ND		0.0500	1	01/11/2024 13:09	WG2204995
Endrin	ND		0.0500	1	01/11/2024 13:09	WG2204995
Endrin aldehyde	ND		0.0500	1	01/11/2024 13:09	WG2204995
Gamma BHC	ND		0.0500	1	01/11/2024 13:09	WG2204995
Heptachlor	ND		0.0500	1	01/11/2024 13:09	WG2204995
Heptachlor epoxide	ND		0.0500	1	01/11/2024 13:09	WG2204995
Methoxychlor	ND		0.100	1	01/11/2024 13:09	WG2204995
Toxaphene	ND		5.00	1	01/11/2024 13:09	WG2204995
(S) Decachlorobiphenyl	74.7			10.0-128	01/11/2024 13:09	WG2204995
(S) Tetrachloro-m-xylene	64.7			10.0-127	01/11/2024 13:09	WG2204995

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 13:09	WG2204995
PCB 1221	ND		1.00	1	01/11/2024 13:09	WG2204995
PCB 1232	ND		1.00	1	01/11/2024 13:09	WG2204995
PCB 1242	ND		1.00	1	01/11/2024 13:09	WG2204995
PCB 1248	ND		1.00	1	01/11/2024 13:09	WG2204995
PCB 1254	ND		1.00	1	01/11/2024 13:09	WG2204995
PCB 1260	ND		1.00	1	01/11/2024 13:09	WG2204995
(S) Decachlorobiphenyl	75.3			10.0-128	01/11/2024 13:09	WG2204995
(S) Tetrachloro-m-xylene	69.3			10.0-127	01/11/2024 13:09	WG2204995

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 13:06	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 13:06	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 23:36	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 23:36	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 23:36	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 23:36	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 13:06	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 13:06	WG2204164

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 13:06	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 23:36	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 23:36	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 13:06	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 13:06	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/22/2024 23:36	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 23:36	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 23:36	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 13:06	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 23:36	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 13:06	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 13:06	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 13:06	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 23:36	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 13:06	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 13:06	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 13:06	WG2204164
Anthracene	ND		10.0	1	01/22/2024 13:06	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 13:06	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 13:06	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 13:06	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 13:06	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 13:06	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 13:06	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 13:06	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 23:36	WG2204164
Chrysene	ND		10.0	1	01/22/2024 13:06	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 13:06	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 13:06	WG2204164
Diallate	ND		20.0	1	01/22/2024 23:36	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 13:06	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 13:06	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 23:36	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 13:06	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 23:36	WG2204164
Dinoseb	ND	C6	17.9	1	01/22/2024 23:36	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 13:06	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 23:36	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 23:36	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 23:36	WG2204164
Famphur	ND		200	1	01/22/2024 23:36	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 13:06	WG2204164
Fluorene	ND		10.0	1	01/22/2024 13:06	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 13:06	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 13:06	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 13:06	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 13:06	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 23:36	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 13:06	WG2204164
Isodrin	ND		10.0	1	01/22/2024 23:36	WG2204164
Isophorone	ND		10.0	1	01/22/2024 13:06	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 23:36	WG2204164
Kepone	ND	C6	1.88	1	01/22/2024 23:36	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 23:36	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 23:36	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 23:36	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 13:06	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 13:06	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 23:36	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 23:36	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 23:36	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 23:36	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 13:06	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 23:36	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 13:06	WG2204164
Phenol	ND		10.0	1	01/22/2024 13:06	WG2204164
Phorate	ND		50.0	1	01/22/2024 23:36	WG2204164
Pronamide	ND		20.0	1	01/22/2024 23:36	WG2204164
Pyrene	ND		10.0	1	01/22/2024 13:06	WG2204164
Safrole	ND		50.0	1	01/22/2024 23:36	WG2204164
Thionazin	ND		10.0	1	01/22/2024 23:36	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 23:36	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 13:06	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 23:36	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 13:06	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 13:06	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 23:36	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 23:36	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 23:36	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 23:36	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 23:36	WG2204164
(S) 2-Fluorophenol	27.8			10.0-120	01/22/2024 13:06	WG2204164
(S) 2,4,6-Tribromophenol	58.0			10.0-155	01/22/2024 13:06	WG2204164
(S) p-Terphenyl-d14	75.5			10.0-128	01/22/2024 13:06	WG2204164
(S) Phenol-d5	18.4			10.0-120	01/22/2024 13:06	WG2204164
(S) 2-Fluorobiphenyl	66.8			10.0-130	01/22/2024 13:06	WG2204164
(S) Nitrobenzene-d5	45.7			10.0-127	01/22/2024 13:06	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-06 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.31	su
Specific Conductance (on site)	413	umhos/cm
Temperature (on-site)	13.3	Deg. C
Turbidity (on-site)	2.7	NTU
Dissolved Oxygen (on-site)	4	mg/l
eH/ORP (On Site)	95.4	mV
Depth to water (DTW) (FROM TOC)	19.52	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	236		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	222		10.0	1	01/10/2024 12:50	WG2204249
Alkalinity,Bicarbonate	222		10.0	1	01/10/2024 12:50	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 12:50	WG2204249

Sample Narrative:

L1694492-07 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:24	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.790		0.100	1	01/10/2024 11:43	WG2203931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:38	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:32	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	6.02		3.00	1	01/09/2024 22:20	WG2203864
Sulfate	ND		5.00	1	01/09/2024 22:20	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 20:24	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 13:51	WG2204305

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	01/10/2024 19:10	WG2203836
Barium, Total Recoverable	0.0787		0.00500	1	01/10/2024 19:10	WG2203836
Calcium, Total Recoverable	70.9		0.200	1	01/10/2024 19:10	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:10	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:10	WG2203836
Magnesium, Total Recoverable	3.49		0.200	1	01/11/2024 10:44	WG2203836
Manganese, Total Recoverable	ND		0.00300	1	01/10/2024 19:10	WG2203836
Sodium, Total Recoverable	ND		5.00	1	01/10/2024 19:10	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:10	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:10	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:10	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:56	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:06	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:56	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:56	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:56	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:56	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:56	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:56	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:56	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:56	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 21:56	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 17:37	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 17:37	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 17:37	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 17:37	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 17:37	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 17:37	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 17:37	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 17:37	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 17:37	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 17:37	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 17:37	WG2204389
Acetone	ND		11.3	1	01/10/2024 17:37	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 17:37	WG2204389
Acrolein	ND		20.0	1	01/10/2024 17:37	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 17:37	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 17:37	WG2204389
Benzene	ND		1.00	1	01/10/2024 17:37	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Bromoform	ND		1.00	1	01/10/2024 17:37	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 17:37	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 17:37	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 17:37	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 17:37	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Chloroform	ND		1.00	1	01/10/2024 17:37	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 17:37	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 17:37	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 17:37	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 17:37	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 17:37	WG2204389
Isobutanol	ND		110	1	01/10/2024 17:37	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 17:37	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 17:37	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 17:37	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 17:37	WG2204389
Styrene	ND		1.00	1	01/10/2024 17:37	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 17:37	WG2204389
Toluene	ND		1.00	1	01/10/2024 17:37	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 17:37	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 17:37	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 17:37	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 17:37	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 17:37	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 17:37	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 17:37	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 17:37	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 17:37	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 17:37	WG2204389
(S) Toluene-d8	108			80.0-120	01/10/2024 17:37	WG2204389
(S) 1,2-Dichloroethane-d4	124			70.0-130	01/10/2024 17:37	WG2204389
(S) 4-Bromofluorobenzene	85.2			77.0-126	01/10/2024 17:37	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/14/2024 20:34	WG2204123
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 20:34	WG2204123
2,4-D	ND	<u>J4</u>	4.00	1	01/14/2024 20:34	WG2204123
(S) 2,4-Dichlorophenyl Acetic Acid	87.6			14.0-158	01/14/2024 20:34	WG2204123

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 03:59	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 03:59	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 03:59	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 03:59	WG2204162
Alpha BHC	ND		0.0500	1	01/17/2024 03:59	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 03:59	WG2204162
Chlordane	ND		0.500	1	01/17/2024 03:59	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 03:59	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 03:59	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 03:59	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 03:59	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 03:59	WG2204162
Endrin	ND		0.0500	1	01/17/2024 03:59	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 03:59	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 03:59	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 03:59	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 03:59	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 03:59	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 03:59	WG2204162
(S) Decachlorobiphenyl	57.7			10.0-128	01/17/2024 03:59	WG2204162
(S) Tetrachloro-m-xylene	64.0			10.0-127	01/17/2024 03:59	WG2204162

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:30	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:30	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:30	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:30	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:30	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:30	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:30	WG2204162
(S) Decachlorobiphenyl	48.9			10.0-128	01/11/2024 16:30	WG2204162
(S) Tetrachloro-m-xylene	68.4			10.0-127	01/11/2024 16:30	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 13:31	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 13:31	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/22/2024 23:53	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/22/2024 23:53	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/22/2024 23:53	WG2204164
1-Naphthylamine	ND		10.0	1	01/22/2024 23:53	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 13:31	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 13:31	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 13:31	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/22/2024 23:53	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
2-Acetylaminofluorene	ND		100	1	01/22/2024 23:53	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 13:31	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 13:31	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/22/2024 23:53	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/22/2024 23:53	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/22/2024 23:53	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 13:31	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/22/2024 23:53	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 13:31	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 13:31	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 13:31	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/22/2024 23:53	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 13:31	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 13:31	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 13:31	WG2204164
Anthracene	ND		10.0	1	01/22/2024 13:31	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 13:31	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 13:31	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 13:31	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 13:31	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 13:31	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 13:31	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 13:31	WG2204164
Chlorobenzilate	ND		10.0	1	01/22/2024 23:53	WG2204164
Chrysene	ND		10.0	1	01/22/2024 13:31	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 13:31	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 13:31	WG2204164
Diallate	ND		20.0	1	01/22/2024 23:53	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 13:31	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 13:31	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
Dimethoate	ND		20.0	1	01/22/2024 23:53	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 13:31	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/22/2024 23:53	WG2204164
Dinoseb	ND	C6	17.9	1	01/22/2024 23:53	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 13:31	WG2204164
Disulfoton	ND		50.0	1	01/22/2024 23:53	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/22/2024 23:53	WG2204164
Ethyl parathion	ND		50.0	1	01/22/2024 23:53	WG2204164
Famphur	ND		200	1	01/22/2024 23:53	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 13:31	WG2204164
Fluorene	ND		10.0	1	01/22/2024 13:31	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 13:31	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 13:31	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 13:31	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 13:31	WG2204164
Hexachloropropene	ND		100	1	01/22/2024 23:53	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 13:31	WG2204164
Isodrin	ND		10.0	1	01/22/2024 23:53	WG2204164
Isophorone	ND		10.0	1	01/22/2024 13:31	WG2204164
Isosafrole	ND		20.0	1	01/22/2024 23:53	WG2204164
Kepone	ND		1.88	1	01/22/2024 23:53	WG2204164
Methapyrilene	ND	J4	50.0	1	01/22/2024 23:53	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/22/2024 23:53	WG2204164
Methyl parathion	ND		10.0	1	01/22/2024 23:53	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 13:31	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 13:31	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/22/2024 23:53	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/22/2024 23:53	WG2204164
Pentachlorobenzene	ND		10.0	1	01/22/2024 23:53	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/22/2024 23:53	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 13:31	WG2204164
Phenacetin	ND		10.0	1	01/22/2024 23:53	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 13:31	WG2204164
Phenol	ND		10.0	1	01/22/2024 13:31	WG2204164
Phorate	ND		50.0	1	01/22/2024 23:53	WG2204164
Pronamide	ND		20.0	1	01/22/2024 23:53	WG2204164
Pyrene	ND		10.0	1	01/22/2024 13:31	WG2204164
Safrole	ND		50.0	1	01/22/2024 23:53	WG2204164
Thionazin	ND		10.0	1	01/22/2024 23:53	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/22/2024 23:53	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 13:31	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/22/2024 23:53	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 13:31	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 13:31	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/22/2024 23:53	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/22/2024 23:53	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/22/2024 23:53	WG2204164
o-Toluidine	ND		10.0	1	01/22/2024 23:53	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/22/2024 23:53	WG2204164
(S) 2-Fluorophenol	26.6			10.0-120	01/22/2024 13:31	WG2204164
(S) 2,4,6-Tribromophenol	57.9			10.0-155	01/22/2024 13:31	WG2204164
(S) p-Terphenyl-d14	72.8			10.0-128	01/22/2024 13:31	WG2204164
(S) Phenol-d5	16.9			10.0-120	01/22/2024 13:31	WG2204164
(S) 2-Fluorobiphenyl	71.1			10.0-130	01/22/2024 13:31	WG2204164
(S) Nitrobenzene-d5	50.3			10.0-127	01/22/2024 13:31	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-07 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.66	su
Specific Conductance (on site)	623	umhos/cm
Temperature (on-site)	13.4	Deg. C
Turbidity (on-site)	2.6	NTU
Dissolved Oxygen (on-site)	1.1	mg/l
eH/ORP (On Site)	88.6	mV
Depth to water (DTW) (FROM TOC)	47.63	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	336		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	299		10.0	1	01/10/2024 13:10	WG2204249
Alkalinity,Bicarbonate	299		10.0	1	01/10/2024 13:10	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 13:10	WG2204249

Sample Narrative:

L1694492-08 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:25	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.58		0.100	1	01/11/2024 16:14	WG2204561

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:39	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:33	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	12.7		3.00	1	01/09/2024 22:32	WG2203864
Sulfate	ND		5.00	1	01/09/2024 22:32	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/11/2024 20:41	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 13:53	WG2204305

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	01/10/2024 19:12	WG2203836
Barium, Total Recoverable	0.0489		0.00500	1	01/10/2024 19:12	WG2203836
Calcium, Total Recoverable	114		0.200	1	01/10/2024 19:12	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:12	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:12	WG2203836
Magnesium, Total Recoverable	1.80		0.200	1	01/11/2024 10:47	WG2203836
Manganese, Total Recoverable	0.00991	J	0.00300	1	01/10/2024 19:12	WG2203836
Sodium, Total Recoverable	5.48		5.00	1	01/10/2024 19:12	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:12	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:12	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:12	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 21:59	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:09	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 21:59	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 21:59	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 21:59	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 21:59	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 21:59	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 21:59	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 21:59	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 21:59	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 21:59	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 17:57	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 17:57	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 17:57	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 17:57	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 17:57	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 17:57	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 17:57	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 17:57	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 17:57	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 17:57	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 17:57	WG2204389
Acetone	ND		11.3	1	01/10/2024 17:57	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 17:57	WG2204389
Acrolein	ND		20.0	1	01/10/2024 17:57	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 17:57	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 17:57	WG2204389
Benzene	ND		1.00	1	01/10/2024 17:57	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Bromoform	ND		1.00	1	01/10/2024 17:57	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 17:57	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 17:57	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 17:57	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 17:57	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Chloroform	ND		1.00	1	01/10/2024 17:57	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 17:57	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 17:57	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 17:57	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 17:57	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 17:57	WG2204389
Isobutanol	ND		110	1	01/10/2024 17:57	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 17:57	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 17:57	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 17:57	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 17:57	WG2204389
Styrene	ND		1.00	1	01/10/2024 17:57	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 17:57	WG2204389
Toluene	ND		1.00	1	01/10/2024 17:57	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 17:57	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 17:57	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 17:57	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 17:57	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 17:57	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 17:57	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 17:57	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 17:57	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 17:57	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 17:57	WG2204389
(S) Toluene-d8	108			80.0-120	01/10/2024 17:57	WG2204389
(S) 1,2-Dichloroethane-d4	119			70.0-130	01/10/2024 17:57	WG2204389
(S) 4-Bromofluorobenzene	84.4			77.0-126	01/10/2024 17:57	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J3</u>	1.00	1	01/14/2024 19:12	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 19:12	WG2205080
2,4-D	ND		4.00	1	01/14/2024 19:12	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	66.0			14.0-158	01/14/2024 19:12	WG2205080

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 13:20	WG2204995
4,4-DDE	ND		0.0500	1	01/11/2024 13:20	WG2204995
4,4-DDT	ND		0.0500	1	01/11/2024 13:20	WG2204995
Aldrin	ND		0.0500	1	01/11/2024 13:20	WG2204995
Alpha BHC	ND		0.0500	1	01/11/2024 13:20	WG2204995
Beta BHC	ND		0.500	1	01/11/2024 13:20	WG2204995
Chlordane	ND		0.500	1	01/11/2024 13:20	WG2204995
Delta BHC	ND		0.0500	1	01/11/2024 13:20	WG2204995
Dieldrin	ND		0.0500	1	01/11/2024 13:20	WG2204995
Endosulfan I	ND		0.0500	1	01/11/2024 13:20	WG2204995
Endosulfan II	ND		0.0500	1	01/11/2024 13:20	WG2204995
Endosulfan sulfate	ND		0.0500	1	01/11/2024 13:20	WG2204995
Endrin	ND		0.0500	1	01/11/2024 13:20	WG2204995
Endrin aldehyde	ND		0.0500	1	01/11/2024 13:20	WG2204995
Gamma BHC	ND		0.0500	1	01/11/2024 13:20	WG2204995
Heptachlor	ND		0.0500	1	01/11/2024 13:20	WG2204995
Heptachlor epoxide	ND		0.0500	1	01/11/2024 13:20	WG2204995
Methoxychlor	ND		0.100	1	01/11/2024 13:20	WG2204995
Toxaphene	ND		5.00	1	01/11/2024 13:20	WG2204995
(S) Decachlorobiphenyl	83.1			10.0-128	01/11/2024 13:20	WG2204995
(S) Tetrachloro-m-xylene	65.4			10.0-127	01/11/2024 13:20	WG2204995

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 13:20	WG2204995
PCB 1221	ND		1.00	1	01/11/2024 13:20	WG2204995
PCB 1232	ND		1.00	1	01/11/2024 13:20	WG2204995
PCB 1242	ND		1.00	1	01/11/2024 13:20	WG2204995
PCB 1248	ND		1.00	1	01/11/2024 13:20	WG2204995
PCB 1254	ND		1.00	1	01/11/2024 13:20	WG2204995
PCB 1260	ND		1.00	1	01/11/2024 13:20	WG2204995
(S) Decachlorobiphenyl	83.6			10.0-128	01/11/2024 13:20	WG2204995
(S) Tetrachloro-m-xylene	69.9			10.0-127	01/11/2024 13:20	WG2204995

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 13:56	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 13:56	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/23/2024 00:11	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/23/2024 00:11	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/23/2024 00:11	WG2204164
1-Naphthylamine	ND		10.0	1	01/23/2024 00:11	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 13:56	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 13:56	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 13:56	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/23/2024 00:11	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
2-Acetylaminofluorene	ND		100	1	01/23/2024 00:11	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 13:56	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 13:56	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/23/2024 00:11	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/23/2024 00:11	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/23/2024 00:11	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 13:56	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/23/2024 00:11	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 13:56	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 13:56	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 13:56	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/23/2024 00:11	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 13:56	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 13:56	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 13:56	WG2204164
Anthracene	ND		10.0	1	01/22/2024 13:56	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 13:56	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 13:56	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 13:56	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 13:56	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 13:56	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 13:56	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 13:56	WG2204164
Chlorobenzilate	ND		10.0	1	01/23/2024 00:11	WG2204164
Chrysene	ND		10.0	1	01/22/2024 13:56	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 13:56	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 13:56	WG2204164
Diallate	ND		20.0	1	01/23/2024 00:11	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 13:56	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 13:56	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
Dimethoate	ND		20.0	1	01/23/2024 00:11	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 13:56	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/23/2024 00:11	WG2204164
Dinoseb	ND	C6	17.9	1	01/23/2024 00:11	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 13:56	WG2204164
Disulfoton	ND		50.0	1	01/23/2024 00:11	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/23/2024 00:11	WG2204164
Ethyl parathion	ND		50.0	1	01/23/2024 00:11	WG2204164
Famphur	ND		200	1	01/23/2024 00:11	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 13:56	WG2204164
Fluorene	ND		10.0	1	01/22/2024 13:56	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 13:56	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 13:56	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 13:56	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 13:56	WG2204164
Hexachloropropene	ND		100	1	01/23/2024 00:11	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 13:56	WG2204164
Isodrin	ND		10.0	1	01/23/2024 00:11	WG2204164
Isophorone	ND		10.0	1	01/22/2024 13:56	WG2204164
Isosafrole	ND		20.0	1	01/23/2024 00:11	WG2204164
Kepone	ND	C6	1.88	1	01/23/2024 00:11	WG2204164
Methapyrilene	ND	J4	50.0	1	01/23/2024 00:11	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/23/2024 00:11	WG2204164
Methyl parathion	ND		10.0	1	01/23/2024 00:11	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 13:56	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 13:56	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/23/2024 00:11	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/23/2024 00:11	WG2204164
Pentachlorobenzene	ND		10.0	1	01/23/2024 00:11	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/23/2024 00:11	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 13:56	WG2204164
Phenacetin	ND		10.0	1	01/23/2024 00:11	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 13:56	WG2204164
Phenol	ND		10.0	1	01/22/2024 13:56	WG2204164
Phorate	ND		50.0	1	01/23/2024 00:11	WG2204164
Pronamide	ND		20.0	1	01/23/2024 00:11	WG2204164
Pyrene	ND		10.0	1	01/22/2024 13:56	WG2204164
Safrole	ND		50.0	1	01/23/2024 00:11	WG2204164
Thionazin	ND		10.0	1	01/23/2024 00:11	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/23/2024 00:11	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 13:56	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/23/2024 00:11	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 13:56	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 13:56	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/23/2024 00:11	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/23/2024 00:11	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/23/2024 00:11	WG2204164
o-Toluidine	ND		10.0	1	01/23/2024 00:11	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/23/2024 00:11	WG2204164
(S) 2-Fluorophenol	22.1			10.0-120	01/22/2024 13:56	WG2204164
(S) 2,4,6-Tribromophenol	57.0			10.0-155	01/22/2024 13:56	WG2204164
(S) p-Terphenyl-d14	68.4			10.0-128	01/22/2024 13:56	WG2204164
(S) Phenol-d5	15.6			10.0-120	01/22/2024 13:56	WG2204164
(S) 2-Fluorobiphenyl	70.1			10.0-130	01/22/2024 13:56	WG2204164
(S) Nitrobenzene-d5	49.8			10.0-127	01/22/2024 13:56	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-08 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	241		10.0	1	01/10/2024 13:07	WG2204269

1 Cp

2 Tc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	224		10.0	1	01/10/2024 13:16	WG2204249
Alkalinity,Bicarbonate	224		10.0	1	01/10/2024 13:16	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 13:16	WG2204249

3 Ss

4 Cn

5 Sr

Sample Narrative:

L1694492-09 WG2204249: Endpoint pH 4.5 Headspace

6 Qc

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:27	WG2204231

7 Gl

8 Al

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	0.796		0.100	1	01/11/2024 16:21	WG2204561

9 Sc

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/09/2024 23:39	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:34	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	6.04		3.00	1	01/09/2024 22:45	WG2203864
Sulfate	ND		5.00	1	01/09/2024 22:45	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	ND		1.00	1	01/11/2024 20:58	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury,Total Recoverable	ND		0.000200	1	01/12/2024 13:56	WG2204305

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	01/10/2024 19:15	WG2203836
Barium, Total Recoverable	0.0797		0.00500	1	01/10/2024 19:15	WG2203836
Calcium, Total Recoverable	71.3		0.200	1	01/10/2024 19:15	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:15	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:15	WG2203836
Magnesium, Total Recoverable	3.46		0.200	1	01/11/2024 10:50	WG2203836
Manganese, Total Recoverable	ND		0.00300	1	01/10/2024 19:15	WG2203836
Sodium, Total Recoverable	ND		5.00	1	01/10/2024 19:15	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:15	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:15	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:15	WG2203836

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 22:02	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:12	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 22:02	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 22:02	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 22:02	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 22:02	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 22:02	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 22:02	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 22:02	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 22:02	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 22:02	WG2203594

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 18:18	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 18:18	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 18:18	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 18:18	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 18:18	WG2204389
1,3-Dichloropropane	ND		1.00	1	01/10/2024 18:18	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 18:18	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 18:18	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 18:18	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 18:18	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 18:18	WG2204389
Acetone	ND		11.3	1	01/10/2024 18:18	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 18:18	WG2204389
Acrolein	ND		20.0	1	01/10/2024 18:18	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 18:18	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 18:18	WG2204389

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	01/10/2024 18:18	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Bromoform	ND		1.00	1	01/10/2024 18:18	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 18:18	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 18:18	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 18:18	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 18:18	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Chloroform	ND		1.00	1	01/10/2024 18:18	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 18:18	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 18:18	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 18:18	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 18:18	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 18:18	WG2204389
Isobutanol	ND		110	1	01/10/2024 18:18	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 18:18	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 18:18	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 18:18	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 18:18	WG2204389
Styrene	ND		1.00	1	01/10/2024 18:18	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 18:18	WG2204389
Toluene	ND		1.00	1	01/10/2024 18:18	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 18:18	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 18:18	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 18:18	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 18:18	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 18:18	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 18:18	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 18:18	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 18:18	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 18:18	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 18:18	WG2204389
(S) Toluene-d8	107			80.0-120	01/10/2024 18:18	WG2204389
(S) 1,2-Dichloroethane-d4	124			70.0-130	01/10/2024 18:18	WG2204389
(S) 4-Bromofluorobenzene	91.1			77.0-126	01/10/2024 18:18	WG2204389

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/14/2024 20:44	WG2204123
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 20:44	WG2204123
2,4-D	ND	J4	4.00	1	01/14/2024 20:44	WG2204123
(S) 2,4-Dichlorophenyl Acetic Acid	80.5			14.0-158	01/14/2024 20:44	WG2204123

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 04:09	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 04:09	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 04:09	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 04:09	WG2204162

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alpha BHC	ND		0.0500	1	01/17/2024 04:09	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 04:09	WG2204162
Chlordane	ND		0.500	1	01/17/2024 04:09	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 04:09	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 04:09	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 04:09	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 04:09	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 04:09	WG2204162
Endrin	ND		0.0500	1	01/17/2024 04:09	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 04:09	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 04:09	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 04:09	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 04:09	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 04:09	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 04:09	WG2204162
(S) Decachlorobiphenyl	98.2			10.0-128	01/17/2024 04:09	WG2204162
(S) Tetrachloro-m-xylene	83.0			10.0-127	01/17/2024 04:09	WG2204162

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

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:39	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:39	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:39	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:39	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:39	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:39	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:39	WG2204162
(S) Decachlorobiphenyl	79.5			10.0-128	01/11/2024 16:39	WG2204162
(S) Tetrachloro-m-xylene	88.0			10.0-127	01/11/2024 16:39	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 14:21	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 14:21	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/23/2024 00:28	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/23/2024 00:28	WG2204164
1,4-Naphthoquinone	ND	J4	50.0	1	01/23/2024 00:28	WG2204164
1-Naphthylamine	ND		10.0	1	01/23/2024 00:28	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 14:21	WG2204164
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/22/2024 14:21	WG2204164
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 14:21	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 14:21	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 14:21	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 14:21	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 14:21	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 14:21	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/23/2024 00:28	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 14:21	WG2204164
2-Acetylaminofluorene	ND		100	1	01/23/2024 00:28	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 14:21	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 14:21	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 14:21	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 14:21	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2-Naphthylamine	ND	<u>C6</u>	10.0	1	01/23/2024 00:28	WG2204164
2-Nitroaniline	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
2-Nitrophenol	ND	<u>J3</u>	10.0	1	01/22/2024 14:21	WG2204164
3&4-Methyl Phenol	ND	<u>J3 J4</u>	10.0	1	01/22/2024 14:21	WG2204164
3,3-Dichlorobenzidine	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
3,3-Dimethylbenzidine	ND	<u>J4</u>	20.0	1	01/23/2024 00:28	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/23/2024 00:28	WG2204164
3-Nitroaniline	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 14:21	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/23/2024 00:28	WG2204164
4-Bromophenyl-phenylether	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
4-Chloro-3-methylphenol	ND	<u>J3 J4</u>	10.0	1	01/22/2024 14:21	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 14:21	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 14:21	WG2204164
4-Nitroaniline	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
4-Nitrophenol	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/23/2024 00:28	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 14:21	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 14:21	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 14:21	WG2204164
Anthracene	ND		10.0	1	01/22/2024 14:21	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 14:21	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 14:21	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 14:21	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 14:21	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 14:21	WG2204164
Benzyl Alcohol	ND	<u>J3</u>	10.0	1	01/22/2024 14:21	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 14:21	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	<u>J3</u>	10.0	1	01/22/2024 14:21	WG2204164
Bis(2-chlorethoxy)methane	ND	<u>J3</u>	10.0	1	01/22/2024 14:21	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 14:21	WG2204164
Chlorobenzilate	ND		10.0	1	01/23/2024 00:28	WG2204164
Chrysene	ND		10.0	1	01/22/2024 14:21	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 14:21	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 14:21	WG2204164
Diallate	ND		20.0	1	01/23/2024 00:28	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 14:21	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 14:21	WG2204164
Diethyl phthalate	ND	<u>J3</u>	10.0	1	01/22/2024 14:21	WG2204164
Dimethoate	ND		20.0	1	01/23/2024 00:28	WG2204164
Dimethyl phthalate	ND	<u>J3</u>	10.0	1	01/22/2024 14:21	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/23/2024 00:28	WG2204164
Dinoseb	ND	<u>C6</u>	17.9	1	01/23/2024 00:28	WG2204164
Diphenylamine	ND		10.0	1	01/22/2024 14:21	WG2204164
Disulfoton	ND		50.0	1	01/23/2024 00:28	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/23/2024 00:28	WG2204164
Ethyl parathion	ND		50.0	1	01/23/2024 00:28	WG2204164
Famphur	ND		200	1	01/23/2024 00:28	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 14:21	WG2204164
Fluorene	ND		10.0	1	01/22/2024 14:21	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 14:21	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 14:21	WG2204164
Hexachlorocyclopentadiene	ND	<u>J3</u>	50.0	1	01/22/2024 14:21	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 14:21	WG2204164
Hexachloropropene	ND		100	1	01/23/2024 00:28	WG2204164
Indeno(1,2,3-cd)pyrene	ND	<u>J4</u>	10.0	1	01/22/2024 14:21	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Isodrin	ND		10.0	1	01/23/2024 00:28	WG2204164
Isophorone	ND		10.0	1	01/22/2024 14:21	WG2204164
Isosafrole	ND		20.0	1	01/23/2024 00:28	WG2204164
Kepone	ND	C6	1.88	1	01/23/2024 00:28	WG2204164
Methapyrilene	ND	J4	50.0	1	01/23/2024 00:28	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/23/2024 00:28	WG2204164
Methyl parathion	ND		10.0	1	01/23/2024 00:28	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 14:21	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 14:21	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/23/2024 00:28	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/23/2024 00:28	WG2204164
Pentachlorobenzene	ND		10.0	1	01/23/2024 00:28	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/23/2024 00:28	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 14:21	WG2204164
Phenacetin	ND		10.0	1	01/23/2024 00:28	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 14:21	WG2204164
Phenol	ND		10.0	1	01/22/2024 14:21	WG2204164
Phorate	ND		50.0	1	01/23/2024 00:28	WG2204164
Pronamide	ND		20.0	1	01/23/2024 00:28	WG2204164
Pyrene	ND		10.0	1	01/22/2024 14:21	WG2204164
Safrole	ND		50.0	1	01/23/2024 00:28	WG2204164
Thionazin	ND		10.0	1	01/23/2024 00:28	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/23/2024 00:28	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 14:21	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/23/2024 00:28	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 14:21	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 14:21	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/23/2024 00:28	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/23/2024 00:28	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/23/2024 00:28	WG2204164
o-Toluidine	ND		10.0	1	01/23/2024 00:28	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/23/2024 00:28	WG2204164
(S) 2-Fluorophenol	21.3			10.0-120	01/22/2024 14:21	WG2204164
(S) 2,4,6-Tribromophenol	53.5			10.0-155	01/22/2024 14:21	WG2204164
(S) p-Terphenyl-d14	66.3			10.0-128	01/22/2024 14:21	WG2204164
(S) Phenol-d5	14.9			10.0-120	01/22/2024 14:21	WG2204164
(S) 2-Fluorobiphenyl	61.9			10.0-130	01/22/2024 14:21	WG2204164
(S) Nitrobenzene-d5	43.4			10.0-127	01/22/2024 14:21	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-09 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	mg/l	ND	10.0	1	01/10/2024 13:07	WG2204269

1 Cp

2 Tc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	mg/l	ND	10.0	1	01/10/2024 13:22	WG2204249
Alkalinity,Bicarbonate	mg/l	ND	10.0	1	01/10/2024 13:22	WG2204249
Alkalinity,Carbonate	mg/l	ND	10.0	1	01/10/2024 13:22	WG2204249

3 Ss

4 Cn

5 Sr

Sample Narrative:

L1694492-10 WG2204249: Endpoint pH 4.5 Headspace

6 Qc

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	mg/l	ND	0.100	1	01/10/2024 11:36	WG2204231

7 Gl

8 Al

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	mg/l	ND	0.100	1	01/11/2024 16:41	WG2204561

9 Sc

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	mg/l	ND	4.00	1	01/09/2024 23:39	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	mg/l	ND	0.0100	1	01/10/2024 18:36	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	mg/l	ND	3.00	1	01/09/2024 22:58	WG2203864
Sulfate	mg/l	ND	5.00	1	01/09/2024 22:58	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	mg/l	ND	1.00	1	01/11/2024 21:14	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury,Total Recoverable	mg/l	ND	0.000200	1	01/12/2024 13:58	WG2204305

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	01/10/2024 19:18	WG2203836
Barium, Total Recoverable	ND		0.00500	1	01/10/2024 19:18	WG2203836
Calcium, Total Recoverable	ND		0.200	1	01/10/2024 19:18	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:18	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:18	WG2203836
Magnesium, Total Recoverable	ND		0.200	1	01/11/2024 10:53	WG2203836
Manganese, Total Recoverable	ND		0.00300	1	01/10/2024 19:18	WG2203836
Sodium, Total Recoverable	ND		5.00	1	01/10/2024 19:18	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:18	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:18	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:18	WG2203836

1 Cp
2 Tc
3 Ss
4 Cn

5 Sr
6 Qc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 22:06	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:16	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 22:06	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 22:06	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 22:06	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 22:06	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 22:06	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 22:06	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 22:06	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 22:06	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 22:06	WG2203594

7 Gl
8 Al
9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 12:27	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 12:27	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 12:27	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 12:27	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 12:27	WG2204389
1,3-Dichloropropane	ND		1.00	1	01/10/2024 12:27	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 12:27	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 12:27	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 12:27	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 12:27	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 12:27	WG2204389
Acetone	ND		11.3	1	01/10/2024 12:27	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 12:27	WG2204389
Acrolein	ND		20.0	1	01/10/2024 12:27	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 12:27	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 12:27	WG2204389

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	01/10/2024 12:27	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Bromoform	ND		1.00	1	01/10/2024 12:27	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 12:27	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 12:27	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 12:27	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 12:27	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Chloroform	1.74		1.00	1	01/10/2024 12:27	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 12:27	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 12:27	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 12:27	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 12:27	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 12:27	WG2204389
Isobutanol	ND		110	1	01/10/2024 12:27	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 12:27	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 12:27	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 12:27	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 12:27	WG2204389
Styrene	ND		1.00	1	01/10/2024 12:27	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 12:27	WG2204389
Toluene	ND		1.00	1	01/10/2024 12:27	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 12:27	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 12:27	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 12:27	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 12:27	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 12:27	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 12:27	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 12:27	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 12:27	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 12:27	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 12:27	WG2204389
(S) Toluene-d8	105			80.0-120	01/10/2024 12:27	WG2204389
(S) 1,2-Dichloroethane-d4	116			70.0-130	01/10/2024 12:27	WG2204389
(S) 4-Bromofluorobenzene	83.0			77.0-126	01/10/2024 12:27	WG2204389

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

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J3	1.00	1	01/14/2024 19:24	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 19:24	WG2205080
2,4-D	ND		4.00	1	01/14/2024 19:24	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	82.1			14.0-158	01/14/2024 19:24	WG2205080

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 04:20	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 04:20	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 04:20	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 04:20	WG2204162

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alpha BHC	ND		0.0500	1	01/17/2024 04:20	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 04:20	WG2204162
Chlordane	ND		0.500	1	01/17/2024 04:20	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 04:20	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 04:20	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 04:20	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 04:20	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 04:20	WG2204162
Endrin	ND		0.0500	1	01/17/2024 04:20	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 04:20	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 04:20	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 04:20	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 04:20	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 04:20	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 04:20	WG2204162
(S) Decachlorobiphenyl	70.2			10.0-128	01/17/2024 04:20	WG2204162
(S) Tetrachloro-m-xylene	87.7			10.0-127	01/17/2024 04:20	WG2204162

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:48	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:48	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:48	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:48	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:48	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:48	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:48	WG2204162
(S) Decachlorobiphenyl	52.5			10.0-128	01/11/2024 16:48	WG2204162
(S) Tetrachloro-m-xylene	93.7			10.0-127	01/11/2024 16:48	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 14:46	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 14:46	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/23/2024 00:46	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/23/2024 00:46	WG2204164
1,4-Naphthoquinone	ND	J4	50.0	1	01/23/2024 00:46	WG2204164
1-Naphthylamine	ND		10.0	1	01/23/2024 00:46	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 14:46	WG2204164
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/22/2024 14:46	WG2204164
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 14:46	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 14:46	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 14:46	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 14:46	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 14:46	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 14:46	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/23/2024 00:46	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 14:46	WG2204164
2-Acetylaminofluorene	ND		100	1	01/23/2024 00:46	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 14:46	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 14:46	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 14:46	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 14:46	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2-Naphthylamine	ND	<u>C6</u>	10.0	1	01/23/2024 00:46	WG2204164
2-Nitroaniline	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
2-Nitrophenol	ND	<u>J3</u>	10.0	1	01/22/2024 14:46	WG2204164
3&4-Methyl Phenol	ND	<u>J3 J4</u>	10.0	1	01/22/2024 14:46	WG2204164
3,3-Dichlorobenzidine	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
3,3-Dimethylbenzidine	ND	<u>J4</u>	20.0	1	01/23/2024 00:46	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/23/2024 00:46	WG2204164
3-Nitroaniline	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 14:46	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/23/2024 00:46	WG2204164
4-Bromophenyl-phenylether	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
4-Chloro-3-methylphenol	ND	<u>J3 J4</u>	10.0	1	01/22/2024 14:46	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 14:46	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 14:46	WG2204164
4-Nitroaniline	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
4-Nitrophenol	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/23/2024 00:46	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 14:46	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 14:46	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 14:46	WG2204164
Anthracene	ND		10.0	1	01/22/2024 14:46	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 14:46	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 14:46	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 14:46	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 14:46	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 14:46	WG2204164
Benzyl Alcohol	ND	<u>J3</u>	10.0	1	01/22/2024 14:46	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 14:46	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	<u>J3</u>	10.0	1	01/22/2024 14:46	WG2204164
Bis(2-chlorethoxy)methane	ND	<u>J3</u>	10.0	1	01/22/2024 14:46	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 14:46	WG2204164
Chlorobenzilate	ND		10.0	1	01/23/2024 00:46	WG2204164
Chrysene	ND		10.0	1	01/22/2024 14:46	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 14:46	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 14:46	WG2204164
Diallate	ND		20.0	1	01/23/2024 00:46	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 14:46	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 14:46	WG2204164
Diethyl phthalate	ND	<u>J3</u>	10.0	1	01/22/2024 14:46	WG2204164
Dimethoate	ND		20.0	1	01/23/2024 00:46	WG2204164
Dimethyl phthalate	ND	<u>J3</u>	10.0	1	01/22/2024 14:46	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/23/2024 00:46	WG2204164
Dinoseb	ND	<u>C6</u>	17.9	1	01/23/2024 00:46	WG2204164
Diphenylamine	ND		10.0	1	01/22/2024 14:46	WG2204164
Disulfoton	ND		50.0	1	01/23/2024 00:46	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/23/2024 00:46	WG2204164
Ethyl parathion	ND		50.0	1	01/23/2024 00:46	WG2204164
Famphur	ND		200	1	01/23/2024 00:46	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 14:46	WG2204164
Fluorene	ND		10.0	1	01/22/2024 14:46	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 14:46	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 14:46	WG2204164
Hexachlorocyclopentadiene	ND	<u>J3</u>	50.0	1	01/22/2024 14:46	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 14:46	WG2204164
Hexachloropropene	ND		100	1	01/23/2024 00:46	WG2204164
Indeno(1,2,3-cd)pyrene	ND	<u>J4</u>	10.0	1	01/22/2024 14:46	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Isodrin	ND		10.0	1	01/23/2024 00:46	WG2204164
Isophorone	ND		10.0	1	01/22/2024 14:46	WG2204164
Isosafrole	ND		20.0	1	01/23/2024 00:46	WG2204164
Kepone	ND	C6	1.88	1	01/23/2024 00:46	WG2204164
Methapyrilene	ND	J4	50.0	1	01/23/2024 00:46	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/23/2024 00:46	WG2204164
Methyl parathion	ND		10.0	1	01/23/2024 00:46	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 14:46	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 14:46	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/23/2024 00:46	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/23/2024 00:46	WG2204164
Pentachlorobenzene	ND		10.0	1	01/23/2024 00:46	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/23/2024 00:46	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 14:46	WG2204164
Phenacetin	ND		10.0	1	01/23/2024 00:46	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 14:46	WG2204164
Phenol	ND		10.0	1	01/22/2024 14:46	WG2204164
Phorate	ND		50.0	1	01/23/2024 00:46	WG2204164
Pronamide	ND		20.0	1	01/23/2024 00:46	WG2204164
Pyrene	ND		10.0	1	01/22/2024 14:46	WG2204164
Safrole	ND		50.0	1	01/23/2024 00:46	WG2204164
Thionazin	ND		10.0	1	01/23/2024 00:46	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/23/2024 00:46	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 14:46	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/23/2024 00:46	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 14:46	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 14:46	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/23/2024 00:46	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/23/2024 00:46	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/23/2024 00:46	WG2204164
o-Toluidine	ND		10.0	1	01/23/2024 00:46	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/23/2024 00:46	WG2204164
(S) 2-Fluorophenol	20.9			10.0-120	01/22/2024 14:46	WG2204164
(S) 2,4,6-Tribromophenol	41.5			10.0-155	01/22/2024 14:46	WG2204164
(S) p-Terphenyl-d14	74.5			10.0-128	01/22/2024 14:46	WG2204164
(S) Phenol-d5	16.1			10.0-120	01/22/2024 14:46	WG2204164
(S) 2-Fluorobiphenyl	67.6			10.0-130	01/22/2024 14:46	WG2204164
(S) Nitrobenzene-d5	46.0			10.0-127	01/22/2024 14:46	WG2204164

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1694492-10 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.23	su
Specific Conductance (on site)	523	umhos/cm
Temperature (on-site)	13.2	Deg. C
Turbidity (on-site)	2.4	NTU
Dissolved Oxygen (on-site)	6.6	mg/l
eH/ORP (On Site)	117.5	mV
Depth to water (DTW) (FROM TOC)	21.3	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	294		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	130		10.0	1	01/11/2024 09:23	WG2204642
Alkalinity,Bicarbonate	130		10.0	1	01/11/2024 09:23	WG2204642
Alkalinity,Carbonate	ND		10.0	1	01/11/2024 09:23	WG2204642

Sample Narrative:

L1694492-11 WG2204642: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:39	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	12.3		0.197	10	01/11/2024 16:43	WG2204561

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:40	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:39	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	37.4		3.00	1	01/09/2024 23:10	WG2203864
Sulfate	16.5		5.00	1	01/09/2024 23:10	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	2.82		1.00	1	01/11/2024 21:33	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 14:00	WG2204305

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Silver, Total Recoverable	ND		0.0500	1	01/10/2024 19:21	WG2203836
Barium, Total Recoverable	0.0937		0.00500	1	01/10/2024 19:21	WG2203836
Calcium, Total Recoverable	46.1		0.200	1	01/10/2024 19:21	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:21	WG2203836
Potassium, Total Recoverable	10.3		3.00	1	01/10/2024 19:21	WG2203836
Magnesium, Total Recoverable	5.32		0.200	1	01/11/2024 10:55	WG2203836
Manganese, Total Recoverable	ND		0.00300	1	01/10/2024 19:21	WG2203836
Sodium, Total Recoverable	32.7		5.00	1	01/10/2024 19:21	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:21	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:21	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:21	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 22:09	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:19	WG2203594
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 22:09	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 22:09	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 22:09	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 22:09	WG2203594
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 22:09	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 22:09	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 22:09	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 22:09	WG2203594
Zinc, Total Recoverable	ND		0.00500	1	01/28/2024 22:09	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 18:38	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 18:38	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 18:38	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 18:38	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 18:38	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 18:38	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 18:38	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 18:38	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 18:38	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 18:38	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 18:38	WG2204389
Acetone	ND		11.3	1	01/10/2024 18:38	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 18:38	WG2204389
Acrolein	ND		20.0	1	01/10/2024 18:38	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 18:38	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 18:38	WG2204389
Benzene	ND		1.00	1	01/10/2024 18:38	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Bromoform	ND		1.00	1	01/10/2024 18:38	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 18:38	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 18:38	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 18:38	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 18:38	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Chloroform	ND		1.00	1	01/10/2024 18:38	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 18:38	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 18:38	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 18:38	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 18:38	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 18:38	WG2204389
Isobutanol	ND		110	1	01/10/2024 18:38	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 18:38	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 18:38	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 18:38	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 18:38	WG2204389
Styrene	ND		1.00	1	01/10/2024 18:38	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 18:38	WG2204389
Toluene	ND		1.00	1	01/10/2024 18:38	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 18:38	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 18:38	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 18:38	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 18:38	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 18:38	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 18:38	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 18:38	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 18:38	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 18:38	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 18:38	WG2204389
(S) Toluene-d8	106			80.0-120	01/10/2024 18:38	WG2204389
(S) 1,2-Dichloroethane-d4	123			70.0-130	01/10/2024 18:38	WG2204389
(S) 4-Bromofluorobenzene	83.4			77.0-126	01/10/2024 18:38	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/14/2024 20:55	WG2204123
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 20:55	WG2204123
2,4-D	ND	<u>J4</u>	4.00	1	01/14/2024 20:55	WG2204123
(S) 2,4-Dichlorophenyl Acetic Acid	83.0			14.0-158	01/14/2024 20:55	WG2204123

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 05:55	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 05:55	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 05:55	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 05:55	WG2204162
Alpha BHC	ND		0.0500	1	01/17/2024 05:55	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 05:55	WG2204162
Chlordane	ND		0.500	1	01/17/2024 05:55	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 05:55	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 05:55	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 05:55	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 05:55	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 05:55	WG2204162
Endrin	ND		0.0500	1	01/17/2024 05:55	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 05:55	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 05:55	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 05:55	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 05:55	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 05:55	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 05:55	WG2204162
(S) Decachlorobiphenyl	70.1			10.0-128	01/17/2024 05:55	WG2204162
(S) Tetrachloro-m-xylene	83.2			10.0-127	01/17/2024 05:55	WG2204162

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 16:56	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 16:56	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 16:56	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 16:56	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 16:56	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 16:56	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 16:56	WG2204162
(S) Decachlorobiphenyl	56.2			10.0-128	01/11/2024 16:56	WG2204162
(S) Tetrachloro-m-xylene	83.8			10.0-127	01/11/2024 16:56	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 15:11	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 15:11	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/23/2024 01:03	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/23/2024 01:03	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/23/2024 01:03	WG2204164
1-Naphthylamine	ND		10.0	1	01/23/2024 01:03	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 15:11	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 15:11	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 15:11	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/23/2024 01:03	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
2-Acetylaminofluorene	ND		100	1	01/23/2024 01:03	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 15:11	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 15:11	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/23/2024 01:03	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/23/2024 01:03	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/23/2024 01:03	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 15:11	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/23/2024 01:03	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 15:11	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 15:11	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 15:11	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/23/2024 01:03	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 15:11	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 15:11	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 15:11	WG2204164
Anthracene	ND		10.0	1	01/22/2024 15:11	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 15:11	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 15:11	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 15:11	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 15:11	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 15:11	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 15:11	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 15:11	WG2204164
Chlorobenzilate	ND		10.0	1	01/23/2024 01:03	WG2204164
Chrysene	ND		10.0	1	01/22/2024 15:11	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 15:11	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 15:11	WG2204164
Diallate	ND		20.0	1	01/23/2024 01:03	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 15:11	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 15:11	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
Dimethoate	ND		20.0	1	01/23/2024 01:03	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 15:11	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/23/2024 01:03	WG2204164
Dinoseb	ND	C6	17.9	1	01/23/2024 01:03	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 15:11	WG2204164
Disulfoton	ND		50.0	1	01/23/2024 01:03	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/23/2024 01:03	WG2204164
Ethyl parathion	ND		50.0	1	01/23/2024 01:03	WG2204164
Famphur	ND		200	1	01/23/2024 01:03	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 15:11	WG2204164
Fluorene	ND		10.0	1	01/22/2024 15:11	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 15:11	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 15:11	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 15:11	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 15:11	WG2204164
Hexachloropropene	ND		100	1	01/23/2024 01:03	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 15:11	WG2204164
Isodrin	ND		10.0	1	01/23/2024 01:03	WG2204164
Isophorone	ND		10.0	1	01/22/2024 15:11	WG2204164
Isosafrole	ND		20.0	1	01/23/2024 01:03	WG2204164
Kepone	ND	C6	1.88	1	01/23/2024 01:03	WG2204164
Methapyrilene	ND	J4	50.0	1	01/23/2024 01:03	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/23/2024 01:03	WG2204164
Methyl parathion	ND		10.0	1	01/23/2024 01:03	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 15:11	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 15:11	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/23/2024 01:03	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/23/2024 01:03	WG2204164
Pentachlorobenzene	ND		10.0	1	01/23/2024 01:03	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/23/2024 01:03	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 15:11	WG2204164
Phenacetin	ND		10.0	1	01/23/2024 01:03	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 15:11	WG2204164
Phenol	ND		10.0	1	01/22/2024 15:11	WG2204164
Phorate	ND		50.0	1	01/23/2024 01:03	WG2204164
Pronamide	ND		20.0	1	01/23/2024 01:03	WG2204164
Pyrene	ND		10.0	1	01/22/2024 15:11	WG2204164
Safrole	ND		50.0	1	01/23/2024 01:03	WG2204164
Thionazin	ND		10.0	1	01/23/2024 01:03	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/23/2024 01:03	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 15:11	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/23/2024 01:03	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 15:11	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 15:11	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/23/2024 01:03	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/23/2024 01:03	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/23/2024 01:03	WG2204164
o-Toluidine	ND		10.0	1	01/23/2024 01:03	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/23/2024 01:03	WG2204164
(S) 2-Fluorophenol	16.9			10.0-120	01/22/2024 15:11	WG2204164
(S) 2,4,6-Tribromophenol	34.6			10.0-155	01/22/2024 15:11	WG2204164
(S) p-Terphenyl-d14	52.5			10.0-128	01/22/2024 15:11	WG2204164
(S) Phenol-d5	12.2			10.0-120	01/22/2024 15:11	WG2204164
(S) 2-Fluorobiphenyl	65.6			10.0-130	01/22/2024 15:11	WG2204164
(S) Nitrobenzene-d5	47.4			10.0-127	01/22/2024 15:11	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-11 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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

Analyte	Result	Units
pH (On Site)	6.46	su
Specific Conductance (on site)	770	umhos/cm
Temperature (on-site)	14.5	Deg. C
Turbidity (on-site)	25.4	NTU
Dissolved Oxygen (on-site)	0.7	mg/l
eH/ORP (On Site)	90.2	mV
Depth to water (DTW) (FROM TOC)	13.08	ft

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	404		10.0	1	01/10/2024 13:07	WG2204269

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	352		10.0	1	01/11/2024 09:51	WG2204642
Alkalinity,Bicarbonate	352		10.0	1	01/11/2024 09:51	WG2204642
Alkalinity,Carbonate	ND		10.0	1	01/11/2024 09:51	WG2204642

Sample Narrative:

L1694492-12 WG2204642: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/10/2024 11:42	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.538		0.100	1	01/11/2024 16:45	WG2204561

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/09/2024 23:40	WG2203976

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/10/2024 18:40	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	22.8		3.00	1	01/09/2024 23:23	WG2203864
Sulfate	19.5		5.00	1	01/09/2024 23:23	WG2203864

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.40		1.00	1	01/11/2024 21:52	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/12/2024 14:07	WG2204305

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	01/10/2024 19:24	WG2203836
Barium, Total Recoverable	0.0765		0.00500	1	01/10/2024 19:24	WG2203836
Calcium, Total Recoverable	119		0.200	1	01/10/2024 19:24	WG2203836
Iron, Total Recoverable	ND		0.0600	1	01/10/2024 19:24	WG2203836
Potassium, Total Recoverable	ND		3.00	1	01/10/2024 19:24	WG2203836
Magnesium, Total Recoverable	5.53		0.200	1	01/11/2024 10:58	WG2203836
Manganese, Total Recoverable	3.93		0.00300	1	01/10/2024 19:24	WG2203836
Sodium, Total Recoverable	14.5		5.00	1	01/10/2024 19:24	WG2203836
Lead, Total Recoverable	ND		0.00500	1	01/10/2024 19:24	WG2203836
Selenium, Total Recoverable	ND		0.0100	1	01/10/2024 19:24	WG2203836
Tin, Total Recoverable	ND		0.100	1	01/10/2024 19:24	WG2203836

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 22:12	WG2203594
Beryllium, Total Recoverable	ND		0.00100	1	01/29/2024 19:35	WG2203594
Cadmium, Total Recoverable	0.00552		0.00100	1	01/28/2024 22:12	WG2203594
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 22:12	WG2203594
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 22:12	WG2203594
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 22:12	WG2203594
Nickel, Total Recoverable	0.0791		0.00400	1	01/28/2024 22:12	WG2203594
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 22:12	WG2203594
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 22:12	WG2203594
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 22:12	WG2203594
Zinc, Total Recoverable	0.172		0.00500	1	01/28/2024 22:12	WG2203594

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,1,1-Trichloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,1,2-Trichloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,1-Dichloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,1-Dichloroethene	ND		1.00	1	01/10/2024 18:59	WG2204389
1,1-Dichloropropene	ND		1.00	1	01/10/2024 18:59	WG2204389
1,2,3-Trichloropropane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,2-Dibromo-3-Chloropropane	ND	J4	2.00	1	01/10/2024 18:59	WG2204389
1,2-Dibromoethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,2-Dichlorobenzene	ND		1.00	1	01/10/2024 18:59	WG2204389
1,2-Dichloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,2-Dichloropropane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,3-Dichlorobenzene	ND		1.00	1	01/10/2024 18:59	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/10/2024 18:59	WG2204389
1,4-Dichlorobenzene	ND		1.00	1	01/10/2024 18:59	WG2204389
2,2-Dichloropropane	ND		5.00	1	01/10/2024 18:59	WG2204389
2-Butanone (MEK)	ND		5.00	1	01/10/2024 18:59	WG2204389
2-Hexanone	ND	J4	5.00	1	01/10/2024 18:59	WG2204389
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/10/2024 18:59	WG2204389
Acetone	ND		11.3	1	01/10/2024 18:59	WG2204389
Acetonitrile	ND		30.0	1	01/10/2024 18:59	WG2204389
Acrolein	ND		20.0	1	01/10/2024 18:59	WG2204389
Acrylonitrile	ND		20.0	1	01/10/2024 18:59	WG2204389
Allyl chloride	ND		10.0	1	01/10/2024 18:59	WG2204389
Benzene	ND		1.00	1	01/10/2024 18:59	WG2204389
Bromochloromethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Bromodichloromethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Bromoform	ND		1.00	1	01/10/2024 18:59	WG2204389
Bromomethane	ND	J4	1.00	1	01/10/2024 18:59	WG2204389
Carbon disulfide	ND		1.00	1	01/10/2024 18:59	WG2204389
Carbon tetrachloride	ND		1.00	1	01/10/2024 18:59	WG2204389
Chlorobenzene	ND		1.00	1	01/10/2024 18:59	WG2204389
Chloroethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Chloroform	ND		1.00	1	01/10/2024 18:59	WG2204389
Chloromethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Chloroprene	ND		1.70	1	01/10/2024 18:59	WG2204389
Dibromochloromethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Dibromomethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Dichlorodifluoromethane	ND		2.00	1	01/10/2024 18:59	WG2204389
Ethyl methacrylate	ND		3.00	1	01/10/2024 18:59	WG2204389
Ethylbenzene	ND		1.00	1	01/10/2024 18:59	WG2204389
Iodomethane	ND	J4	1.00	1	01/10/2024 18:59	WG2204389
Isobutanol	ND		110	1	01/10/2024 18:59	WG2204389
Methacrylonitrile	ND		13.0	1	01/10/2024 18:59	WG2204389
Methyl methacrylate	ND		4.00	1	01/10/2024 18:59	WG2204389
Methylene Chloride	ND		1.07	1	01/10/2024 18:59	WG2204389
Propionitrile	ND		20.0	1	01/10/2024 18:59	WG2204389
Styrene	ND		1.00	1	01/10/2024 18:59	WG2204389
Tetrachloroethene	ND		1.00	1	01/10/2024 18:59	WG2204389
Toluene	ND		1.00	1	01/10/2024 18:59	WG2204389
Trichloroethene	ND		1.00	1	01/10/2024 18:59	WG2204389
Trichlorofluoromethane	ND		1.00	1	01/10/2024 18:59	WG2204389
Vinyl acetate	ND		5.00	1	01/10/2024 18:59	WG2204389
Vinyl chloride	ND		1.00	1	01/10/2024 18:59	WG2204389
Xylenes, Total	ND		1.00	1	01/10/2024 18:59	WG2204389
cis-1,2-Dichloroethene	ND		1.00	1	01/10/2024 18:59	WG2204389
cis-1,3-Dichloropropene	ND		1.00	1	01/10/2024 18:59	WG2204389
trans-1,2-Dichloroethene	ND		1.00	1	01/10/2024 18:59	WG2204389
trans-1,3-Dichloropropene	ND		1.00	1	01/10/2024 18:59	WG2204389
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/10/2024 18:59	WG2204389
(S) Toluene-d8	106			80.0-120	01/10/2024 18:59	WG2204389
(S) 1,2-Dichloroethane-d4	122			70.0-130	01/10/2024 18:59	WG2204389
(S) 4-Bromofluorobenzene	84.5			77.0-126	01/10/2024 18:59	WG2204389

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J3</u>	1.00	1	01/14/2024 19:35	WG2205080
2,4,5-Tp (Silvex)	ND		1.00	1	01/14/2024 19:35	WG2205080
2,4-D	ND		4.00	1	01/14/2024 19:35	WG2205080
(S) 2,4-Dichlorophenyl Acetic Acid	84.9			14.0-158	01/14/2024 19:35	WG2205080

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 06:05	WG2204162
4,4-DDE	ND		0.0500	1	01/17/2024 06:05	WG2204162
4,4-DDT	ND		0.0500	1	01/17/2024 06:05	WG2204162
Aldrin	ND		0.0500	1	01/17/2024 06:05	WG2204162
Alpha BHC	ND		0.0500	1	01/17/2024 06:05	WG2204162
Beta BHC	ND		0.500	1	01/17/2024 06:05	WG2204162
Chlordane	ND		0.500	1	01/17/2024 06:05	WG2204162
Delta BHC	ND		0.0500	1	01/17/2024 06:05	WG2204162
Dieldrin	ND		0.0500	1	01/17/2024 06:05	WG2204162
Endosulfan I	ND		0.0500	1	01/17/2024 06:05	WG2204162
Endosulfan II	ND		0.0500	1	01/17/2024 06:05	WG2204162
Endosulfan sulfate	ND		0.0500	1	01/17/2024 06:05	WG2204162
Endrin	ND		0.0500	1	01/17/2024 06:05	WG2204162
Endrin aldehyde	ND		0.0500	1	01/17/2024 06:05	WG2204162
Gamma BHC	ND		0.0500	1	01/17/2024 06:05	WG2204162
Heptachlor	ND		0.0500	1	01/17/2024 06:05	WG2204162
Heptachlor epoxide	ND		0.0500	1	01/17/2024 06:05	WG2204162
Methoxychlor	ND		0.100	1	01/17/2024 06:05	WG2204162
Toxaphene	ND		5.00	1	01/17/2024 06:05	WG2204162
(S) Decachlorobiphenyl	75.2			10.0-128	01/17/2024 06:05	WG2204162
(S) Tetrachloro-m-xylene	72.1			10.0-127	01/17/2024 06:05	WG2204162

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 17:05	WG2204162
PCB 1221	ND		1.00	1	01/11/2024 17:05	WG2204162
PCB 1232	ND		1.00	1	01/11/2024 17:05	WG2204162
PCB 1242	ND		1.00	1	01/11/2024 17:05	WG2204162
PCB 1248	ND		1.00	1	01/11/2024 17:05	WG2204162
PCB 1254	ND		1.00	1	01/11/2024 17:05	WG2204162
PCB 1260	ND		1.00	1	01/11/2024 17:05	WG2204162
(S) Decachlorobiphenyl	58.5			10.0-128	01/11/2024 17:05	WG2204162
(S) Tetrachloro-m-xylene	71.3			10.0-127	01/11/2024 17:05	WG2204162

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/22/2024 15:36	WG2204164
1,2,4-Trichlorobenzene	ND		10.0	1	01/22/2024 15:36	WG2204164
1,3,5-Trinitrobenzene	ND		50.0	1	01/23/2024 01:20	WG2204164
1,3-Dinitrobenzene	ND		10.0	1	01/23/2024 01:20	WG2204164
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/23/2024 01:20	WG2204164
1-Naphthylamine	ND		10.0	1	01/23/2024 01:20	WG2204164
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/22/2024 15:36	WG2204164
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	1	01/22/2024 15:36	WG2204164

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
2,4,6-Trichlorophenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
2,4-Dichlorophenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
2,4-Dimethylphenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
2,4-Dinitrophenol	ND		50.0	1	01/22/2024 15:36	WG2204164
2,4-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
2,6-Dichlorophenol	ND		10.0	1	01/23/2024 01:20	WG2204164
2,6-Dinitrotoluene	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
2-Acetylaminofluorene	ND		100	1	01/23/2024 01:20	WG2204164
2-Chloronaphthalene	ND		10.0	1	01/22/2024 15:36	WG2204164
2-Chlorophenol	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
2-Methylnaphthalene	ND		10.0	1	01/22/2024 15:36	WG2204164
2-Methylphenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
2-Naphthylamine	ND	C6	10.0	1	01/23/2024 01:20	WG2204164
2-Nitroaniline	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
2-Nitrophenol	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
3&4-Methyl Phenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
3,3-Dichlorobenzidine	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
3,3-Dimethylbenzidine	ND	J4	20.0	1	01/23/2024 01:20	WG2204164
3-Methylcholanthrene	ND		20.0	1	01/23/2024 01:20	WG2204164
3-Nitroaniline	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/22/2024 15:36	WG2204164
4-Aminobiphenyl	ND		10.0	1	01/23/2024 01:20	WG2204164
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
4-Chloro-3-methylphenol	ND	J3 J4	10.0	1	01/22/2024 15:36	WG2204164
4-Chloroaniline	ND		10.0	1	01/22/2024 15:36	WG2204164
4-Chlorophenyl-phenylether	ND		10.0	1	01/22/2024 15:36	WG2204164
4-Nitroaniline	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
4-Nitrophenol	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
5-Nitro-o-toluidine	ND		20.0	1	01/23/2024 01:20	WG2204164
Acenaphthene	ND		10.0	1	01/22/2024 15:36	WG2204164
Acenaphthylene	ND		10.0	1	01/22/2024 15:36	WG2204164
Acetophenone	ND		10.0	1	01/22/2024 15:36	WG2204164
Anthracene	ND		10.0	1	01/22/2024 15:36	WG2204164
Benzo(A)Anthracene	ND		10.0	1	01/22/2024 15:36	WG2204164
Benzo(a)pyrene	ND		10.0	1	01/22/2024 15:36	WG2204164
Benzo(b)fluoranthene	ND		10.0	1	01/22/2024 15:36	WG2204164
Benzo(g,h,i)perylene	ND		10.0	1	01/22/2024 15:36	WG2204164
Benzo(k)fluoranthene	ND		10.0	1	01/22/2024 15:36	WG2204164
Benzyl Alcohol	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
Benzylbutyl phthalate	ND		10.0	1	01/22/2024 15:36	WG2204164
Bis(2-Ethylhexyl)phthalate	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
Bis(2-chloroethyl)ether	ND		10.0	1	01/22/2024 15:36	WG2204164
Chlorobenzilate	ND		10.0	1	01/23/2024 01:20	WG2204164
Chrysene	ND		10.0	1	01/22/2024 15:36	WG2204164
Di-n-butyl phthalate	ND		10.0	1	01/22/2024 15:36	WG2204164
Di-n-octyl phthalate	ND		10.0	1	01/22/2024 15:36	WG2204164
Diallate	ND		20.0	1	01/23/2024 01:20	WG2204164
Dibenz(a,h)anthracene	ND		20.0	1	01/22/2024 15:36	WG2204164
Dibenzofuran	ND		10.0	1	01/22/2024 15:36	WG2204164
Diethyl phthalate	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
Dimethoate	ND		20.0	1	01/23/2024 01:20	WG2204164
Dimethyl phthalate	ND	J3	10.0	1	01/22/2024 15:36	WG2204164
Dimethylbenz (A) Anthracene	ND		20.0	1	01/23/2024 01:20	WG2204164
Dinoseb	ND	C6	17.9	1	01/23/2024 01:20	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/22/2024 15:36	WG2204164
Disulfoton	ND		50.0	1	01/23/2024 01:20	WG2204164
Ethyl methanesulfonate	ND		10.0	1	01/23/2024 01:20	WG2204164
Ethyl parathion	ND		50.0	1	01/23/2024 01:20	WG2204164
Famphur	ND		200	1	01/23/2024 01:20	WG2204164
Fluoranthene	ND		1.00	1	01/22/2024 15:36	WG2204164
Fluorene	ND		10.0	1	01/22/2024 15:36	WG2204164
Hexachloro-1,3-butadiene	ND		10.0	1	01/22/2024 15:36	WG2204164
Hexachlorobenzene	ND		10.0	1	01/22/2024 15:36	WG2204164
Hexachlorocyclopentadiene	ND	J3	50.0	1	01/22/2024 15:36	WG2204164
Hexachloroethane	ND		10.0	1	01/22/2024 15:36	WG2204164
Hexachloropropene	ND		100	1	01/23/2024 01:20	WG2204164
Indeno(1,2,3-cd)pyrene	ND	J4	10.0	1	01/22/2024 15:36	WG2204164
Isodrin	ND		10.0	1	01/23/2024 01:20	WG2204164
Isophorone	ND		10.0	1	01/22/2024 15:36	WG2204164
Isosafrole	ND		20.0	1	01/23/2024 01:20	WG2204164
Kepone	ND	C6	1.88	1	01/23/2024 01:20	WG2204164
Methapyrilene	ND	J4	50.0	1	01/23/2024 01:20	WG2204164
Methyl methanesulfonate	ND		50.0	1	01/23/2024 01:20	WG2204164
Methyl parathion	ND		10.0	1	01/23/2024 01:20	WG2204164
Naphthalene	ND		10.0	1	01/22/2024 15:36	WG2204164
Nitrobenzene	ND		10.0	1	01/22/2024 15:36	WG2204164
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/23/2024 01:20	WG2204164
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/23/2024 01:20	WG2204164
Pentachlorobenzene	ND		10.0	1	01/23/2024 01:20	WG2204164
Pentachloronitrobenzene	ND		50.0	1	01/23/2024 01:20	WG2204164
Pentachlorophenol	ND		50.0	1	01/22/2024 15:36	WG2204164
Phenacetin	ND		10.0	1	01/23/2024 01:20	WG2204164
Phenanthrene	ND		20.0	1	01/22/2024 15:36	WG2204164
Phenol	ND		10.0	1	01/22/2024 15:36	WG2204164
Phorate	ND		50.0	1	01/23/2024 01:20	WG2204164
Pronamide	ND		20.0	1	01/23/2024 01:20	WG2204164
Pyrene	ND		10.0	1	01/22/2024 15:36	WG2204164
Safrole	ND		50.0	1	01/23/2024 01:20	WG2204164
Thionazin	ND		10.0	1	01/23/2024 01:20	WG2204164
n-Nitrosodi-n-butylamine	ND		10.0	1	01/23/2024 01:20	WG2204164
n-Nitrosodi-n-propylamine	ND		10.0	1	01/22/2024 15:36	WG2204164
n-Nitrosodiethylamine	ND		10.0	1	01/23/2024 01:20	WG2204164
n-Nitrosodimethylamine	ND		10.0	1	01/22/2024 15:36	WG2204164
n-Nitrosodiphenylamine	ND		10.0	1	01/22/2024 15:36	WG2204164
n-Nitrosomethylethylamine	ND		10.0	1	01/23/2024 01:20	WG2204164
n-Nitrosopiperidine	ND		10.0	1	01/23/2024 01:20	WG2204164
n-Nitrosopyrrolidine	ND		10.0	1	01/23/2024 01:20	WG2204164
o-Toluidine	ND		10.0	1	01/23/2024 01:20	WG2204164
p-Phenylenediamine	ND	C6 J4	387	1	01/23/2024 01:20	WG2204164
(S) 2-Fluorophenol	13.8			10.0-120	01/22/2024 15:36	WG2204164
(S) 2,4,6-Tribromophenol	33.7			10.0-155	01/22/2024 15:36	WG2204164
(S) p-Terphenyl-d14	70.1			10.0-128	01/22/2024 15:36	WG2204164
(S) Phenol-d5	10.2			10.0-120	01/22/2024 15:36	WG2204164
(S) 2-Fluorobiphenyl	59.3			10.0-130	01/22/2024 15:36	WG2204164
(S) Nitrobenzene-d5	39.8			10.0-127	01/22/2024 15:36	WG2204164

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1694492-12 WG2204164: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Method Blank (MB)

(MB) R4022808-1 01/10/24 13:07

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

1 Cp

2 Tc

3 Ss

L1694513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1694513-02 01/10/24 13:07 • (DUP) R4022808-3 01/10/24 13:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	306	317	1	3.53		5

4 Cn

5 Sr

6 Qc

L1694513-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694513-03 01/10/24 13:07 • (DUP) R4022808-4 01/10/24 13:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	334	341	1	2.07		5

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4022808-2 01/10/24 13:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8580	97.5	85.0-115	

Method Blank (MB)

(MB) R4021775-2 01/10/24 11:58

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/10/24 12:11 • (DUP) R4021775-3 01/10/24 12:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	341	342	1	0.280		20
Alkalinity,Bicarbonate	341	342	1	0.280		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1694553-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694553-03 01/10/24 14:13 • (DUP) R4021775-4 01/10/24 14:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	124	124	1	0.276		20
Alkalinity,Bicarbonate	124	124	1	0.276		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) R4021775-1 01/10/24 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	97.1	97.1	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022063-2 01/11/24 09:14

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1694492-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-11 01/11/24 09:23 • (DUP) R4022063-3 01/11/24 10:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	130	124	1	5.09		20
Alkalinity,Bicarbonate	130	124	1	5.09		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1694828-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694828-01 01/11/24 11:58 • (DUP) R4022063-4 01/11/24 12:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	319	320	1	0.257		20
Alkalinity,Bicarbonate	280	281	1	0.367		20
Alkalinity,Carbonate	39.3	39.1	1	0.526		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5



Laboratory Control Sample (LCS)

(LCS) R4022063-1 01/11/24 09:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	106	106	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021711-1 01/10/24 10:49

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

L1694492-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-10 01/10/24 11:36 • (DUP) R4021711-5 01/10/24 11:37

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

L1694492-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-12 01/10/24 11:42 • (DUP) R4021711-7 01/10/24 11:43

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

Laboratory Control Sample (LCS)

(LCS) R4021711-2 01/10/24 10:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.10	94.6	90.0-110	

L1694492-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-09 01/10/24 11:27 • (MS) R4021711-3 01/10/24 11:33 • (MSD) R4021711-4 01/10/24 11:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	4.96	4.89	99.3	97.8	1	90.0-110			1.52	10

L1694492-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694492-11 01/10/24 11:39 • (MS) R4021711-6 01/10/24 11:40

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.94	98.7	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021653-1 01/10/24 10:22

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693870-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693870-01 01/10/24 10:31 • (DUP) R4021653-3 01/10/24 10:34

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

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/10/24 11:14 • (DUP) R4021653-6 01/10/24 11:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.321	0.317	1	1.25		20

Laboratory Control Sample (LCS)

(LCS) R4021653-2 01/10/24 10:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.51	100	90.0-110	

L1693870-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693870-01 01/10/24 10:31 • (MS) R4021653-4 01/10/24 10:36 • (MSD) R4021653-5 01/10/24 10:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.43	2.46	97.1	98.3	1	90.0-110			1.23	20

L1694492-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694492-01 01/10/24 11:14 • (MS) R4021653-7 01/10/24 11:30

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	0.321	2.72	95.8	1	90.0-110	

Method Blank (MB)

(MB) R4022233-1 01/11/24 16:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0230		0.0197	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1694492-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-08 01/11/24 16:14 • (DUP) R4022233-3 01/11/24 16:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	2.58	2.58	1	0.0776		20

L1694492-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-09 01/11/24 16:21 • (DUP) R4022233-5 01/11/24 16:35

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.796	0.786	1	1.26		20

Laboratory Control Sample (LCS)

(LCS) R4022233-2 01/11/24 16:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.62	105	90.0-110	

L1694492-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694492-08 01/11/24 16:14 • (MS) R4022233-4 01/11/24 16:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	2.58	5.12	102	1	90.0-110	E

Sample Narrative:

MS: spike above curve but recovered correctly

L1694492-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-09 01/11/24 16:21 • (MS) R4022233-6 01/11/24 16:36 • (MSD) R4022233-7 01/11/24 16:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Nitrate-Nitrite	2.50	0.796	3.35	3.33	102	101	1	90.0-110			0.839	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4021451-1 01/09/24 23:34

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/09/24 23:35 • (DUP) R4021451-3 01/09/24 23:35

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

L1694492-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-10 01/09/24 23:39 • (DUP) R4021451-6 01/09/24 23:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021451-2 01/09/24 23:35

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.524	105	85.0-115	

L1694492-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-05 01/09/24 23:37 • (MS) R4021451-4 01/09/24 23:37 • (MSD) R4021451-5 01/09/24 23:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	0.500	ND	ND	ND	100	97.0	1	80.0-120			3.44	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021849-1 01/10/24 17:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1694492-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-06 01/10/24 18:29 • (DUP) R4021849-7 01/10/24 18:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1694492-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-10 01/10/24 18:36 • (DUP) R4021849-8 01/10/24 18:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021849-2 01/10/24 17:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0941	94.1	87.1-120	

L1694301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694301-02 01/10/24 18:10 • (MS) R4021849-3 01/10/24 18:11 • (MSD) R4021849-4 01/10/24 18:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0877	0.0815	87.7	81.5	1	90.0-110	J6	J6	7.33	20

Sample Narrative:

MS: Spike failure due to matrix interference

MSD: Spike failure due to matrix interference

L1694492-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-03 01/10/24 18:19 • (MS) R4021849-5 01/10/24 18:20 • (MSD) R4021849-6 01/10/24 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.0877	0.0798	87.7	79.8	1	90.0-110	<u>J6</u>	<u>J6</u>	9.43	20

Sample Narrative:

MS: Spike failure due to matrix interference
MSD: Spike failure due to matrix interference

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

Method Blank (MB)

(MB) R4021983-1 01/09/24 19:36

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

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/09/24 20:01 • (DUP) R4021983-3 01/09/24 20:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	26.9	26.8	1	0.414		15
Sulfate	ND	ND	1	0.140		15

L1694549-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694549-01 01/09/24 23:49 • (DUP) R4021983-6 01/10/24 00:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	4.37	4.64	1	5.84		15
Sulfate	8.91	8.90	1	0.130		15

Laboratory Control Sample (LCS)

(LCS) R4021983-2 01/09/24 19:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	40.6	101	80.0-120	
Sulfate	40.0	40.6	102	80.0-120	

L1694492-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-01 01/09/24 20:01 • (MS) R4021983-4 01/09/24 20:26 • (MSD) R4021983-5 01/09/24 20:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	40.0	26.9	63.0	63.0	90.4	90.4	1	80.0-120			0.0214	15
Sulfate	40.0	ND	45.3	45.6	102	103	1	80.0-120			0.706	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694549-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694549-01 01/09/24 23:49 • (MS) R4021983-7 01/10/24 00:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	4.37	44.2	99.5	1	80.0-120	
Sulfate	40.0	8.91	48.4	98.6	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022391-2 01/11/24 11:12

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

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/11/24 15:13 • (DUP) R4022391-3 01/11/24 15:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	4.27		20

L1694492-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-05 01/11/24 18:06 • (DUP) R4022391-6 01/11/24 18:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.28	1.35	1	5.34		20

Laboratory Control Sample (LCS)

(LCS) R4022391-1 01/11/24 10:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	23.6	94.4	85.0-115	

L1694492-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-02 01/11/24 15:47 • (MS) R4022391-4 01/11/24 16:50 • (MSD) R4022391-5 01/11/24 17:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.5	24.4	98.1	97.6	1	85.0-115			0.450	20

L1694492-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-06 01/11/24 18:42 • (MS) R4022391-7 01/11/24 19:05 • (MSD) R4022391-8 01/11/24 19:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.8	25.0	98.2	98.9	1	85.0-115			0.683	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022563-1 01/12/24 13:12

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4022563-2 01/12/24 13:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00321	107	80.0-120	

4 Cn

5 Sr

L1694301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694301-02 01/12/24 13:16 • (MS) R4022563-3 01/12/24 13:18 • (MSD) R4022563-4 01/12/24 13:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00330	0.00340	110	113	1	75.0-125			2.99	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021919-1 01/10/24 18:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	0.0846	U	0.0463	1.00
Iron, Total Recoverable	0.0242	U	0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Manganese, Total Recoverable	0.00189	U	0.00120	0.0100
Sodium, Total Recoverable	0.0991		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022070-1 01/11/24 10:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Magnesium, Total Recoverable	0.0217		0.0111	1.00

Laboratory Control Sample (LCS)

(LCS) R4021919-2 01/10/24 18:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.185	92.4	80.0-120	
Barium, Total Recoverable	1.00	0.973	97.3	80.0-120	
Calcium, Total Recoverable	10.0	9.33	93.3	80.0-120	
Iron, Total Recoverable	10.0	9.28	92.8	80.0-120	
Potassium, Total Recoverable	10.0	8.99	89.9	80.0-120	
Manganese, Total Recoverable	1.00	0.927	92.7	80.0-120	
Sodium, Total Recoverable	10.0	9.45	94.5	80.0-120	
Lead, Total Recoverable	1.00	0.930	93.0	80.0-120	
Selenium, Total Recoverable	1.00	0.935	93.5	80.0-120	
Tin, Total Recoverable	1.00	0.954	95.4	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4022070-2 01/11/24 10:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Magnesium, Total Recoverable	10.0	9.42	94.2	80.0-120	

L1694275-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694275-01 01/10/24 18:28 • (MS) R4021919-4 01/10/24 18:34 • (MSD) R4021919-5 01/10/24 18:37

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.200	0.200	99.9	100	1	75.0-125			0.319	20
Barium, Total Recoverable	1.00	0.0304	1.04	1.03	101	100	1	75.0-125			0.251	20
Calcium, Total Recoverable	10.0	207	225	225	181	177	1	75.0-125	V	V	0.176	20
Iron, Total Recoverable	10.0	0.346	10.1	10.2	97.6	98.3	1	75.0-125			0.710	20
Potassium, Total Recoverable	10.0	3.61	13.4	13.4	98.2	97.7	1	75.0-125			0.392	20
Manganese, Total Recoverable	1.00	0.0711	1.02	1.03	94.6	95.5	1	75.0-125			0.863	20
Sodium, Total Recoverable	10.0	174	191	191	171	170	1	75.0-125	V	V	0.0583	20
Lead, Total Recoverable	1.00	ND	0.984	0.988	98.4	98.8	1	75.0-125			0.381	20
Selenium, Total Recoverable	1.00	ND	1.05	1.05	105	104	1	75.0-125			0.480	20
Tin, Total Recoverable	1.00	ND	0.977	0.978	97.7	97.8	1	75.0-125			0.0635	20

L1694275-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694275-01 01/11/24 10:09 • (MS) R4022070-4 01/11/24 10:15 • (MSD) R4022070-5 01/11/24 10:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Magnesium, Total Recoverable	10.0	35.3	45.4	45.8	101	106	1	75.0-125			0.921	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027072-1 01/28/24 21:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Total Recoverable	ND		0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Cobalt, Total Recoverable	ND		0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.00134	J	0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	0.000273		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4027072-2 01/28/24 21:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0527	105	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0460	91.9	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0547	109	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0531	106	80.0-120	
Chromium, Total Recoverable	0.0500	0.0529	106	80.0-120	
Copper, Total Recoverable	0.0500	0.0521	104	80.0-120	
Nickel, Total Recoverable	0.0500	0.0532	106	80.0-120	
Antimony, Total Recoverable	0.0500	0.0528	106	80.0-120	
Thallium, Total Recoverable	0.0500	0.0522	104	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0536	107	80.0-120	
Zinc, Total Recoverable	0.0500	0.0512	102	80.0-120	

L1694513-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694513-01 01/28/24 21:10 • (MS) R4027072-4 01/28/24 21:16 • (MSD) R4027072-5 01/28/24 21:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	0.0321	0.0843	0.0843	104	104	1	75.0-125			0.00464	20
Beryllium, Total Recoverable	0.0500		0.0468	0.0456	93.6	91.3	1	75.0-125			2.47	20
Cadmium, Total Recoverable	0.0500		0.0554	0.0537	111	107	1	75.0-125			3.27	20
Cobalt, Total Recoverable	0.0500		0.0523	0.0529	105	106	1	75.0-125			1.12	20
Chromium, Total Recoverable	0.0500	ND	0.0533	0.0519	107	104	1	75.0-125			2.67	20

L1694513-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694513-01 01/28/24 21:10 • (MS) R4027072-4 01/28/24 21:16 • (MSD) R4027072-5 01/28/24 21:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500		0.0512	0.0515	102	103	1	75.0-125			0.476	20
Nickel, Total Recoverable	0.0500		0.0527	0.0527	104	104	1	75.0-125			0.0230	20
Antimony, Total Recoverable	0.0500		0.0553	0.0525	111	105	1	75.0-125			5.27	20
Thallium, Total Recoverable	0.0500		0.0527	0.0493	105	98.7	1	75.0-125			6.54	20
Vanadium, Total Recoverable	0.0500		0.0530	0.0525	105	104	1	75.0-125			1.08	20
Zinc, Total Recoverable	0.0500		0.0518	0.0513	104	103	1	75.0-125			0.988	20

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

Method Blank (MB)

(MB) R4022165-3 01/10/24 11:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	0.216		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022165-3 01/10/24 11:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	106			80.0-120
(S) 1,2-Dichloroethane-d4	116			70.0-130
(S) 4-Bromofluorobenzene	88.1			77.0-126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4022165-1 01/10/24 09:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	5.04	101	75.0-125	
1,1,1-Trichloroethane	5.00	5.02	100	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	4.29	85.8	65.0-130	
1,1,2-Trichloroethane	5.00	4.59	91.8	80.0-120	
1,1-Dichloroethane	5.00	4.92	98.4	70.0-126	
1,1-Dichloroethene	5.00	4.49	89.8	71.0-124	
1,1-Dichloropropene	5.00	4.39	87.8	74.0-126	
1,2,3-Trichloropropane	5.00	4.49	89.8	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	2.41	48.2	58.0-134	J4

Laboratory Control Sample (LCS)

(LCS) R4022165-1 01/10/24 09:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromoethane	5.00	4.67	93.4	80.0-122	
1,2-Dichlorobenzene	5.00	4.66	93.2	79.0-121	
1,2-Dichloroethane	5.00	5.34	107	70.0-128	
1,2-Dichloropropane	5.00	5.09	102	77.0-125	
1,3-Dichlorobenzene	5.00	4.93	98.6	79.0-120	
1,3-Dichloropropane	5.00	4.48	89.6	80.0-120	
1,4-Dichlorobenzene	5.00	4.63	92.6	79.0-120	
2,2-Dichloropropane	5.00	4.70	94.0	58.0-130	
2-Butanone (MEK)	25.0	19.5	78.0	44.0-160	
2-Hexanone	25.0	16.2	64.8	67.0-149	J4
4-Methyl-2-pentanone (MIBK)	25.0	22.4	89.6	68.0-142	
Acetone	25.0	18.8	75.2	19.0-160	
Acrolein	25.0	17.2	68.8	10.0-160	
Acrylonitrile	25.0	24.4	97.6	55.0-149	
Allyl chloride	25.0	22.9	91.6	72.0-128	
Benzene	5.00	4.56	91.2	70.0-123	
Bromochloromethane	5.00	5.54	111	76.0-122	
Bromodichloromethane	5.00	4.88	97.6	75.0-120	
Bromoform	5.00	4.37	87.4	68.0-132	
Bromomethane	5.00	8.18	164	10.0-160	J4
Carbon disulfide	5.00	4.10	82.0	61.0-128	
Carbon tetrachloride	5.00	5.03	101	68.0-126	
Chlorobenzene	5.00	4.66	93.2	80.0-121	
Chloroethane	5.00	5.71	114	47.0-150	
Chloroform	5.00	5.34	107	73.0-120	
Chloromethane	5.00	6.91	138	41.0-142	
Dibromochloromethane	5.00	4.92	98.4	77.0-125	
Dibromomethane	5.00	4.59	91.8	80.0-120	
Dichlorodifluoromethane	5.00	5.16	103	51.0-149	
Ethylbenzene	5.00	4.58	91.6	79.0-123	
Iodomethane	25.0	45.3	181	33.0-147	J4
Methylene Chloride	5.00	4.73	94.6	67.0-120	
Styrene	5.00	3.73	74.6	73.0-130	
Tetrachloroethene	5.00	4.91	98.2	72.0-132	
Toluene	5.00	4.42	88.4	79.0-120	
Trichloroethene	5.00	5.04	101	78.0-124	
Trichlorofluoromethane	5.00	5.34	107	59.0-147	
Vinyl acetate	25.0	26.4	106	11.0-160	
Vinyl chloride	5.00	5.53	111	67.0-131	
Xylenes, Total	15.0	13.5	90.0	79.0-123	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4022165-1 01/10/24 09:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
cis-1,2-Dichloroethene	5.00	4.67	93.4	73.0-120	
cis-1,3-Dichloropropene	5.00	4.21	84.2	80.0-123	
trans-1,2-Dichloroethene	5.00	4.83	96.6	73.0-120	
trans-1,3-Dichloropropene	5.00	4.33	86.6	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	5.46	109	33.0-144	
(S) Toluene-d8			107	80.0-120	
(S) 1,2-Dichloroethane-d4			115	70.0-130	
(S) 4-Bromofluorobenzene			89.5	77.0-126	

Laboratory Control Sample (LCS)

(LCS) R4022165-2 01/10/24 09:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	516	103	40.0-160	
Chloroprene	50.0	64.3	129	60.0-143	
Ethyl methacrylate	50.0	43.0	86.0	72.0-129	
Isobutanol	1000	933	93.3	40.0-160	
Methacrylonitrile	500	460	92.0	61.0-145	
Methyl methacrylate	50.0	55.6	111	63.0-149	
Propionitrile	500	518	104	49.0-160	
(S) Toluene-d8			109	80.0-120	
(S) 1,2-Dichloroethane-d4			115	70.0-130	
(S) 4-Bromofluorobenzene			88.7	77.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022465-4 01/11/24 23:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	1.76		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	1.71	U	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	0.132	U	0.0860	0.500
Chloromethane	0.546		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022465-4 01/11/24 23:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	108			80.0-120
(S) 1,2-Dichloroethane-d4	121			70.0-130
(S) 4-Bromofluorobenzene	88.1			77.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4022465-1 01/11/24 22:17 • (LCSD) R4022465-2 01/11/24 22:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	5.04	5.20	101	104	75.0-125			3.12	20
1,1,1-Trichloroethane	5.00	4.94	5.62	98.8	112	73.0-124			12.9	20
1,1,2,2-Tetrachloroethane	5.00	4.45	4.33	89.0	86.6	65.0-130			2.73	20
1,1,2-Trichloroethane	5.00	5.02	4.98	100	99.6	80.0-120			0.800	20
1,1-Dichloroethane	5.00	4.90	5.61	98.0	112	70.0-126			13.5	20
1,1-Dichloroethene	5.00	4.22	5.19	84.4	104	71.0-124		J3	20.6	20
1,1-Dichloropropene	5.00	4.23	5.11	84.6	102	74.0-126			18.8	20
1,2,3-Trichloropropane	5.00	4.41	4.82	88.2	96.4	73.0-130			8.88	20
1,2-Dibromo-3-Chloropropane	5.00	3.52	3.27	70.4	65.4	58.0-134			7.36	20

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

(LCS) R4022465-1 01/11/24 22:17 • (LCSD) R4022465-2 01/11/24 22:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	4.75	4.96	95.0	99.2	80.0-122			4.33	20
1,2-Dichlorobenzene	5.00	4.82	5.08	96.4	102	79.0-121			5.25	20
1,2-Dichloroethane	5.00	5.53	5.94	111	119	70.0-128			7.15	20
1,2-Dichloropropane	5.00	4.81	5.50	96.2	110	77.0-125			13.4	20
1,3-Dichlorobenzene	5.00	4.71	5.40	94.2	108	79.0-120			13.6	20
1,3-Dichloropropane	5.00	4.62	4.78	92.4	95.6	80.0-120			3.40	20
1,4-Dichlorobenzene	5.00	4.82	5.24	96.4	105	79.0-120			8.35	20
2,2-Dichloropropane	5.00	4.34	4.70	86.8	94.0	58.0-130			7.96	20
2-Butanone (MEK)	25.0	23.1	24.1	92.4	96.4	44.0-160			4.24	20
2-Hexanone	25.0	19.1	20.2	76.4	80.8	67.0-149			5.60	20
4-Methyl-2-pentanone (MIBK)	25.0	24.2	25.7	96.8	103	68.0-142			6.01	20
Acetone	25.0	25.2	26.7	101	107	19.0-160			5.78	27
Acrolein	25.0	24.7	25.4	98.8	102	10.0-160			2.79	26
Acrylonitrile	25.0	24.4	26.4	97.6	106	55.0-149			7.87	20
Allyl chloride	25.0	21.5	24.6	86.0	98.4	72.0-128			13.4	23
Benzene	5.00	4.59	5.24	91.8	105	70.0-123			13.2	20
Bromochloromethane	5.00	5.23	5.80	105	116	76.0-122			10.3	20
Bromodichloromethane	5.00	5.02	5.59	100	112	75.0-120			10.7	20
Bromoform	5.00	4.59	4.61	91.8	92.2	68.0-132			0.435	20
Bromomethane	5.00	8.84	10.2	177	204	10.0-160	J4	J4	14.3	25
Carbon disulfide	5.00	3.96	5.27	79.2	105	61.0-128		J3	28.4	20
Carbon tetrachloride	5.00	4.62	5.51	92.4	110	68.0-126			17.6	20
Chlorobenzene	5.00	4.71	5.19	94.2	104	80.0-121			9.70	20
Chloroethane	5.00	5.50	6.46	110	129	47.0-150			16.1	20
Chloroform	5.00	5.22	5.94	104	119	73.0-120			12.9	20
Chloromethane	5.00	8.22	8.81	164	176	41.0-142	J4	J4	6.93	20
Dibromochloromethane	5.00	4.99	5.32	99.8	106	77.0-125			6.40	20
Dibromomethane	5.00	4.58	5.00	91.6	100	80.0-120			8.77	20
Dichlorodifluoromethane	5.00	4.71	5.59	94.2	112	51.0-149			17.1	20
Ethylbenzene	5.00	4.53	5.32	90.6	106	79.0-123			16.0	20
Iodomethane	25.0	42.7	47.5	171	190	33.0-147	J4	J4	10.6	26
Methylene Chloride	5.00	4.84	5.22	96.8	104	67.0-120			7.55	20
Styrene	5.00	4.22	4.64	84.4	92.8	73.0-130			9.48	20
Tetrachloroethene	5.00	5.13	6.28	103	126	72.0-132		J3	20.2	20
Toluene	5.00	4.44	5.12	88.8	102	79.0-120			14.2	20
Trichloroethene	5.00	4.87	6.04	97.4	121	78.0-124		J3	21.4	20
Trichlorofluoromethane	5.00	5.12	6.24	102	125	59.0-147			19.7	20
Vinyl acetate	25.0	28.9	24.1	116	96.4	11.0-160			18.1	20
Vinyl chloride	5.00	5.04	6.46	101	129	67.0-131		J3	24.7	20
Xylenes, Total	15.0	13.5	15.2	90.0	101	79.0-123			11.8	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4022465-1 01/11/24 22:17 • (LCSD) R4022465-2 01/11/24 22:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	4.40	5.16	88.0	103	73.0-120			15.9	20
cis-1,3-Dichloropropene	5.00	4.14	4.63	82.8	92.6	80.0-123			11.2	20
trans-1,2-Dichloroethene	5.00	4.62	5.47	92.4	109	73.0-120			16.8	20
trans-1,3-Dichloropropene	5.00	4.67	4.72	93.4	94.4	78.0-124			1.06	20
trans-1,4-Dichloro-2-butene	5.00	6.24	5.40	125	108	33.0-144			14.4	20
(S) Toluene-d8				108	105	80.0-120				
(S) 1,2-Dichloroethane-d4				116	121	70.0-130				
(S) 4-Bromofluorobenzene				94.8	89.7	77.0-126				

Laboratory Control Sample (LCS)

(LCS) R4022465-3 01/11/24 22:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	484	96.8	40.0-160	
Chloroprene	50.0	64.1	128	60.0-143	
Ethyl methacrylate	50.0	43.0	86.0	72.0-129	
Isobutanol	1000	932	93.2	40.0-160	
Methacrylonitrile	500	444	88.8	61.0-145	
Methyl methacrylate	50.0	54.9	110	63.0-149	
Propionitrile	500	495	99.0	49.0-160	
(S) Toluene-d8			108	80.0-120	
(S) 1,2-Dichloroethane-d4			112	70.0-130	
(S) 4-Bromofluorobenzene			88.1	77.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

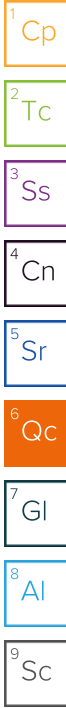
(MB) R4022451-3 01/11/24 18:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Iodomethane	ND		0.377	10.0
(S) Toluene-d8	106			80.0-120
(S) 1,2-Dichloroethane-d4	99.9			70.0-130
(S) 4-Bromofluorobenzene	95.2			77.0-126

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

(LCS) R4022451-1 01/11/24 17:38 • (LCSD) R4022451-2 01/11/24 18:00

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Iodomethane	25.0	23.5	22.5	94.0	90.0	33.0-147			4.35	26
(S) Toluene-d8				102	99.4	80.0-120				
(S) 1,2-Dichloroethane-d4				102	96.8	70.0-130				
(S) 4-Bromofluorobenzene				95.5	95.8	77.0-126				



Method Blank (MB)

(MB) R4023720-1 01/14/24 18:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	73.8			14.0-158

1 Cp

2 Tc

3 Ss

4 Cn

Laboratory Control Sample (LCS)

(LCS) R4023720-2 01/14/24 18:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
2,4,5-T	5.00	5.28	106	54.0-120	E
2,4,5-Tp (Silvex)	5.00	5.15	103	50.0-125	E
2,4-D	5.00	6.40	128	50.0-120	E J4 P
(S) 2,4-Dichlorophenyl Acetic Acid			85.6	14.0-158	

5 Sr

6 Qc

7 Gl

8 Al

L1694274-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694274-05 01/14/24 22:36 • (MS) R4023720-3 01/14/24 22:46 • (MSD) R4023720-4 01/14/24 22:56

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
2,4,5-T	5.00	ND	13.0	12.2	260	244	1	54.0-120	E J5 P	E J5 P	6.35	20
2,4,5-Tp (Silvex)	5.00	ND	5.60	5.08	112	102	1	50.0-125	E	E	9.74	20
2,4-D	5.00	ND	6.95	6.54	61.2	53.0	1	50.0-120	E	E	6.08	20
(S) 2,4-Dichlorophenyl Acetic Acid					89.0	98.8		14.0-158				

9 Sc

Method Blank (MB)

(MB) R4023666-1 01/14/24 14:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	86.4			14.0-158

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

(LCS) R4023666-2 01/14/24 14:42 • (LCSD) R4023666-3 01/14/24 14:54

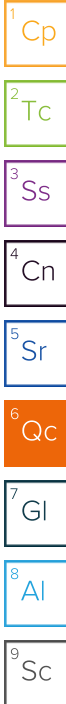
Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	3.80	5.73	76.0	115	54.0-120	P	E J3	40.5	20
2,4,5-Tp (Silvex)	5.00	4.96	4.61	99.2	92.2	50.0-125			7.31	20
2,4-D	5.00	5.31	5.27	106	105	50.0-120	E	E	0.756	20
(S) 2,4-Dichlorophenyl Acetic Acid				92.2	94.0	14.0-158				

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

Method Blank (MB)

(MB) R4022930-1 01/11/24 13:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	41.7			10.0-128
(S) Tetrachloro-m-xylene	50.0			10.0-127



Laboratory Control Sample (LCS)

(LCS) R4022930-4 01/11/24 14:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4,4-DDD	1.00	0.567	56.7	56.0-140	
4,4-DDE	1.00	0.535	53.5	52.0-128	
4,4-DDT	1.00	0.540	54.0	50.0-141	
Aldrin	1.00	0.601	60.1	22.0-124	
Alpha BHC	1.00	0.703	70.3	54.0-130	
Beta BHC	1.00	0.718	71.8	53.0-136	
Delta BHC	1.00	0.711	71.1	54.0-133	
Dieldrin	1.00	0.643	64.3	59.0-133	
Endosulfan I	1.00	0.643	64.3	57.0-131	
Endosulfan II	1.00	0.624	62.4	58.0-133	
Endosulfan sulfate	1.00	0.596	59.6	58.0-133	
Endrin	1.00	0.680	68.0	57.0-134	

Laboratory Control Sample (LCS)

(LCS) R4022930-4 01/11/24 14:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endrin aldehyde	1.00	0.541	54.1	53.0-129	
Gamma BHC	1.00	0.711	71.1	55.0-129	
Heptachlor	1.00	0.707	70.7	27.0-132	
Heptachlor epoxide	1.00	0.663	66.3	57.0-130	
Methoxychlor	1.00	0.574	57.4	54.0-155	P
(S) Decachlorobiphenyl			30.0	10.0-128	
(S) Tetrachloro-m-xylene			62.4	10.0-127	

L1694274-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694274-05 01/11/24 15:10 • (MS) R4022930-5 01/11/24 15:19 • (MSD) R4022930-6 01/11/24 15:28

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 %
4,4-DDD	1.00	ND	0.811	0.770	81.1	77.0	1	10.0-160			5.19	38
4,4-DDE	1.00	ND	0.732	0.727	73.2	72.7	1	10.0-159			0.685	35
4,4-DDT	1.00	ND	0.775	0.766	77.5	76.6	1	10.0-160			1.17	38
Aldrin	1.00	ND	0.779	0.749	77.9	74.9	1	10.0-141			3.93	40
Alpha BHC	1.00	ND	0.908	0.850	90.8	85.0	1	10.0-145			6.60	40
Beta BHC	1.00	ND	0.918	0.869	91.8	86.9	1	14.0-146			5.48	35
Delta BHC	1.00	ND	0.927	0.879	92.7	87.9	1	17.0-143			5.32	38
Dieldrin	1.00	ND	0.881	0.806	88.1	80.6	1	10.0-158			8.89	38
Endosulfan I	1.00	ND	0.865	0.828	86.5	82.8	1	10.0-153			4.37	36
Endosulfan II	1.00	ND	0.836	0.800	83.6	80.0	1	10.0-159			4.40	39
Endosulfan sulfate	1.00	ND	0.795	0.795	79.5	79.5	1	23.0-147			0.000	35
Endrin	1.00	ND	0.946	0.882	94.6	88.2	1	10.0-160			7.00	39
Endrin aldehyde	1.00	ND	0.741	0.683	74.1	68.3	1	10.0-148			8.15	38
Gamma BHC	1.00	ND	0.912	0.858	91.2	85.8	1	14.0-141			6.10	40
Heptachlor	1.00	ND	0.956	0.913	95.6	91.3	1	16.0-136			4.60	40
Heptachlor epoxide	1.00	ND	0.893	0.846	89.3	84.6	1	10.0-160			5.41	36
Methoxychlor	1.00	ND	0.818	0.812	81.8	81.2	1	10.0-160			0.736	34
(S) Decachlorobiphenyl					37.4	61.4		10.0-128				
(S) Tetrachloro-m-xylene					73.5	74.5		10.0-127				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

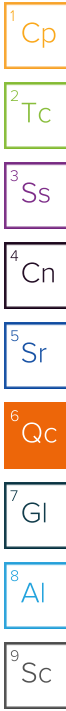
8 Al

9 Sc

Method Blank (MB)

(MB) R4022211-1 01/11/24 11:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	50.2			10.0-128
(S) Tetrachloro-m-xylene	65.6			10.0-127



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

(LCS) R4022211-2 01/11/24 12:08 • (LCSD) R4022211-3 01/11/24 12:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.868	0.907	86.8	90.7	56.0-140			4.39	22
4,4-DDE	1.00	0.776	0.825	77.6	82.5	52.0-128			6.12	22
4,4-DDT	1.00	0.821	0.881	82.1	88.1	50.0-141			7.05	23
Aldrin	1.00	0.716	0.768	71.6	76.8	22.0-124			7.01	34
Alpha BHC	1.00	0.733	0.777	73.3	77.7	54.0-130			5.83	23
Beta BHC	1.00	0.867	0.903	86.7	90.3	53.0-136			4.07	20
Delta BHC	1.00	0.813	0.845	81.3	84.5	54.0-133			3.86	20
Dieldrin	1.00	0.821	0.853	82.1	85.3	59.0-133			3.82	20
Endosulfan I	1.00	0.747	0.818	74.7	81.8	57.0-131			9.07	20
Endosulfan II	1.00	0.875	0.910	87.5	91.0	58.0-133			3.92	20
Endosulfan sulfate	1.00	0.867	0.903	86.7	90.3	58.0-133			4.07	21
Endrin	1.00	0.852	0.883	85.2	88.3	57.0-134			3.57	21

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

(LCS) R4022211-2 01/11/24 12:08 • (LCSD) R4022211-3 01/11/24 12:18

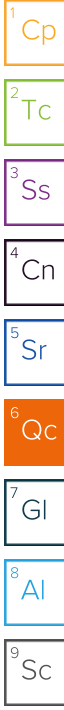
Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.833	0.861	83.3	86.1	53.0-129			3.31	20
Gamma BHC	1.00	0.866	0.912	86.6	91.2	55.0-129			5.17	20
Heptachlor	1.00	0.861	0.924	86.1	92.4	27.0-132			7.06	31
Heptachlor epoxide	1.00	0.840	0.873	84.0	87.3	57.0-130			3.85	20
Methoxychlor	1.00	0.942	0.990	94.2	99.0	54.0-155			4.97	24
<i>(S) Decachlorobiphenyl</i>				62.0	62.0	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				64.1	69.1	10.0-127				

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

Method Blank (MB)

(MB) R4023700-1 01/14/24 17:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	60.1			10.0-128
(S) Tetrachloro-m-xylene	86.7			10.0-127



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

(LCS) R4023700-2 01/14/24 17:39 • (LCSD) R4023700-3 01/14/24 17:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.966	1.03	96.6	103	56.0-140			6.41	22
4,4-DDE	1.00	0.897	1.01	89.7	101	52.0-128			11.9	22
4,4-DDT	1.00	0.901	0.996	90.1	99.6	50.0-141			10.0	23
Aldrin	1.00	0.934	1.02	93.4	102	22.0-124			8.80	34
Alpha BHC	1.00	0.998	1.07	99.8	107	54.0-130			6.96	23
Beta BHC	1.00	0.923	0.989	92.3	98.9	53.0-136			6.90	20
Delta BHC	1.00	0.993	1.05	99.3	105	54.0-133			5.58	20
Dieldrin	1.00	0.968	1.02	96.8	102	59.0-133			5.23	20
Endosulfan I	1.00	0.966	1.02	96.6	102	57.0-131			5.44	20
Endosulfan II	1.00	0.959	0.998	95.9	99.8	58.0-133			3.99	20
Endosulfan sulfate	1.00	0.903	0.962	90.3	96.2	58.0-133			6.33	21
Endrin	1.00	0.980	1.03	98.0	103	57.0-134			4.98	21

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

(LCS) R4023700-2 01/14/24 17:39 • (LCSD) R4023700-3 01/14/24 17:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.800	0.847	80.0	84.7	53.0-129			5.71	20
Gamma BHC	1.00	0.998	1.06	99.8	106	55.0-129			6.03	20
Heptachlor	1.00	0.973	1.04	97.3	104	27.0-132			6.66	31
Heptachlor epoxide	1.00	0.974	1.03	97.4	103	57.0-130			5.59	20
Methoxychlor	1.00	0.946	1.00	94.6	100	54.0-155			5.55	24
<i>(S) Decachlorobiphenyl</i>				23.6	64.4	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				82.1	86.0	10.0-127				

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

Method Blank (MB)

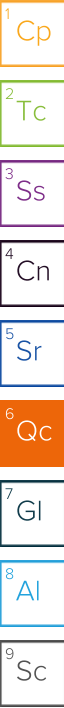
(MB) R4022930-1 01/11/24 13:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	44.1			10.0-128
(S) Tetrachloro-m-xylene	51.6			10.0-127

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

(LCS) R4022930-2 01/11/24 14:17 • (LCSD) R4022930-3 01/11/24 14:26

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.32	2.65	92.8	106	36.0-135			13.3	29
PCB 1260	2.50	1.86	2.04	74.4	81.6	42.0-131			9.23	25
(S) Decachlorobiphenyl				38.9	42.4	10.0-128				
(S) Tetrachloro-m-xylene				86.7	92.0	10.0-127				



Method Blank (MB)

(MB) R4022211-1 01/11/24 11:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	50.7			10.0-128
(S) Tetrachloro-m-xylene	69.6			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4022211-4 01/11/24 12:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
PCB 1016	2.50	2.17	86.8	36.0-135	
PCB 1260	2.50	2.22	88.8	42.0-131	
(S) Decachlorobiphenyl			85.3	10.0-128	
(S) Tetrachloro-m-xylene			83.1	10.0-127	

7 Gl

8 Al

9 Sc

L1695140-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695140-01 01/11/24 14:21 • (MS) R4022211-5 01/11/24 14:32 • (MSD) R4022211-6 01/11/24 14:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
PCB 1016	2.50	ND	1.13	1.15	45.2	46.0	1	11.0-160	P	P	1.75	38
PCB 1260	2.50	ND	1.18	1.40	47.2	56.0	1	20.0-142			17.1	27
(S) Decachlorobiphenyl					32.2	30.4		10.0-128				
(S) Tetrachloro-m-xylene					48.2	47.7		10.0-127				

Method Blank (MB)

(MB) R4023700-1 01/14/24 17:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	85.0			10.0-128
(S) Tetrachloro-m-xylene	96.3			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R4023700-4 01/14/24 17:58 • (LCSD) R4023700-5 01/14/24 18:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.07	2.26	82.8	90.4	36.0-135			8.78	29
PCB 1260	2.50	1.97	2.02	78.8	80.8	42.0-131			2.51	25
(S) Decachlorobiphenyl				59.0	66.7	10.0-128				
(S) Tetrachloro-m-xylene				96.1	96.3	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026935-3 01/22/24 10:37

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026935-3 01/22/24 10:37

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	21.7			10.0-120
(S) 2,4,6-Tribromophenol	51.5			10.0-155
(S) p-Terphenyl-d14	74.8			10.0-128
(S) Phenol-d5	15.2			10.0-120
(S) 2-Fluorobiphenyl	57.2			10.0-130
(S) Nitrobenzene-d5	44.0			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4027482-2 01/22/24 21:51

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4027482-2 01/22/24 21:51

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

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

(LCS) R4026935-1 01/22/24 09:47 • (LCSD) R4026935-2 01/22/24 10:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,2,4,5-Tetrachlorobenzene	50.0	20.4	23.8	40.8	47.6	31.0-121			15.4	27
1,2,4-Trichlorobenzene	50.0	19.9	22.7	39.8	45.4	24.0-120			13.1	29
2,2-Oxybis(1-Chloropropane)	50.0	21.7	27.8	43.4	55.6	28.0-120			24.6	31
2,3,4,6-Tetrachlorophenol	50.0	23.6	30.8	47.2	61.6	42.0-132		J3	26.5	22
2,4,5-Trichlorophenol	50.0	20.4	28.5	40.8	57.0	44.0-120	J4	J3	33.1	22
2,4,6-Trichlorophenol	50.0	20.9	30.0	41.8	60.0	42.0-120	J4	J3	35.8	23
2,4-Dichlorophenol	50.0	16.3	23.6	32.6	47.2	36.0-120	J4	J3	36.6	26
2,4-Dimethylphenol	50.0	16.1	23.6	32.2	47.2	33.0-120	J4	J3	37.8	26
2,4-Dinitrophenol	50.0	24.9	32.7	49.8	65.4	10.0-120			27.1	39
2,4-Dinitrotoluene	50.0	27.7	36.0	55.4	72.0	49.0-124		J3	26.1	20
2,6-Dinitrotoluene	50.0	26.5	35.5	53.0	71.0	46.0-120		J3	29.0	21
2-Chloronaphthalene	50.0	23.8	28.4	47.6	56.8	37.0-120			17.6	25
2-Chlorophenol	50.0	14.4	20.6	28.8	41.2	25.0-120		J3	35.4	35
2-Methylnaphthalene	50.0	21.2	25.6	42.4	51.2	33.0-120			18.8	25
2-Methylphenol	50.0	11.3	15.9	22.6	31.8	28.0-120	J4	J3	33.8	29
2-Nitroaniline	50.0	25.7	36.2	51.4	72.4	43.0-120		J3	33.9	22
2-Nitrophenol	50.0	20.3	28.5	40.6	57.0	31.0-120		J3	33.6	29
3&4-Methyl Phenol	50.0	12.0	17.0	24.0	34.0	31.0-120	J4	J3	34.5	30
3,3-Dichlorobenzidine	100	51.2	63.2	51.2	63.2	44.0-120		J3	21.0	20
3-Nitroaniline	50.0	22.5	29.7	45.0	59.4	38.0-120		J3	27.6	21
4,6-Dinitro-2-methylphenol	50.0	29.1	37.0	58.2	74.0	38.0-138			23.9	25
4-Bromophenyl-phenylether	50.0	25.1	30.7	50.2	61.4	45.0-120		J3	20.1	20
4-Chloro-3-methylphenol	50.0	12.7	18.9	25.4	37.8	40.0-120	J4	J3 J4	39.2	21
4-Chloroaniline	50.0	14.3	17.6	28.6	35.2	25.0-120			20.7	25
4-Chlorophenyl-phenylether	50.0	26.4	31.3	52.8	62.6	44.0-120			17.0	20
4-Nitroaniline	50.0	25.1	33.7	50.2	67.4	18.0-160		J3	29.3	21
4-Nitrophenol	50.0	7.90	11.1	15.8	22.2	10.0-120		J3	33.7	33
Acenaphthene	50.0	25.2	30.6	50.4	61.2	41.0-120			19.4	22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4026935-1 01/22/24 09:47 • (LCSD) R4026935-2 01/22/24 10:12

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 %
Acenaphthylene	50.0	24.0	29.6	48.0	59.2	43.0-120			20.9	22
Acetophenone	50.0	20.1	24.9	40.2	49.8	29.0-120			21.3	28
Anthracene	50.0	24.1	28.3	48.2	56.6	45.0-120			16.0	20
Benzo(A)Anthracene	50.0	26.3	30.7	52.6	61.4	47.0-120			15.4	20
Benzo(a)pyrene	50.0	25.2	30.0	50.4	60.0	47.0-120			17.4	20
Benzo(b)fluoranthene	50.0	26.5	30.7	53.0	61.4	46.0-120			14.7	20
Benzo(g,h,i)perylene	50.0	25.2	29.6	50.4	59.2	48.0-121			16.1	20
Benzo(k)fluoranthene	50.0	27.1	32.2	54.2	64.4	46.0-120			17.2	21
Benzyl Alcohol	50.0	12.8	17.3	25.6	34.6	25.0-120		J3	29.9	26
Benzylbutyl phthalate	50.0	29.7	32.6	59.4	65.2	43.0-121			9.31	20
Bis(2-Ethylhexyl)phthalate	50.0	31.8	38.9	63.6	77.8	43.0-122		J3	20.1	20
Bis(2-chlorethoxy)methane	50.0	21.0	27.5	42.0	55.0	33.0-120		J3	26.8	24
Bis(2-chloroethyl)ether	50.0	21.3	27.3	42.6	54.6	23.0-120			24.7	33
Chrysene	50.0	26.3	30.9	52.6	61.8	48.0-120			16.1	20
Di-n-butyl phthalate	50.0	30.2	34.9	60.4	69.8	49.0-121			14.4	20
Di-n-octyl phthalate	50.0	31.1	35.6	62.2	71.2	42.0-125			13.5	20
Dibenz(a,h)anthracene	50.0	25.0	30.5	50.0	61.0	47.0-120			19.8	20
Dibenzofuran	50.0	23.5	28.1	47.0	56.2	44.0-120			17.8	22
Diethyl phthalate	50.0	27.6	34.3	55.2	68.6	48.0-122		J3	21.6	20
Dimethyl phthalate	50.0	26.1	34.8	52.2	69.6	48.0-120		J3	28.6	20
Diphenylamine	50.0	26.4	32.1	52.8	64.2	35.0-120			19.5	20
Fluoranthene	50.0	25.6	29.7	51.2	59.4	51.0-120			14.8	20
Fluorene	50.0	26.0	31.5	52.0	63.0	47.0-120			19.1	20
Hexachloro-1,3-butadiene	50.0	16.7	18.4	33.4	36.8	19.0-120			9.69	32
Hexachlorobenzene	50.0	26.4	32.0	52.8	64.0	44.0-120			19.2	20
Hexachlorocyclopentadiene	50.0	8.80	12.1	17.6	24.2	15.0-120		J3	31.6	31
Hexachloroethane	50.0	16.4	18.9	32.8	37.8	15.0-120			14.2	37
Indeno(1,2,3-cd)pyrene	50.0	22.8	26.6	45.6	53.2	49.0-122	J4		15.4	20
Isophorone	50.0	19.2	21.9	38.4	43.8	36.0-120			13.1	23
Naphthalene	50.0	21.2	25.3	42.4	50.6	27.0-120			17.6	27
Nitrobenzene	50.0	18.6	22.8	37.2	45.6	27.0-120			20.3	29
Pentachlorophenol	50.0	18.1	18.2	36.2	36.4	23.0-120			0.551	25
Phenanthrene	50.0	25.2	30.4	50.4	60.8	46.0-120			18.7	20
Phenol	50.0	6.70	8.98	13.4	18.0	10.0-120			29.1	36
Pyrene	50.0	27.2	31.8	54.4	63.6	47.0-120			15.6	20
n-Nitrosodi-n-propylamine	50.0	18.7	24.6	37.4	49.2	31.0-120			27.3	28
n-Nitrosodimethylamine	50.0	10.1	13.6	20.2	27.2	10.0-120			29.5	40
n-Nitrosodiphenylamine	50.0	26.4	32.1	52.8	64.2	47.0-120			19.5	20
(S) 2-Fluorophenol				19.9	27.3	10.0-120				
(S) 2,4,6-Tribromophenol				51.5	64.0	10.0-155				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4026935-1 01/22/24 09:47 • (LCSD) R4026935-2 01/22/24 10:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
(S) p-Terphenyl-d14				63.3	75.6	10.0-128				
(S) Phenol-d5				14.5	15.4	10.0-120				
(S) 2-Fluorobiphenyl				54.0	65.4	10.0-130				
(S) Nitrobenzene-d5				36.9	46.4	10.0-127				

Laboratory Control Sample (LCS)

(LCS) R4027482-1 01/22/24 21:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,3,5-Trinitrobenzene	50.0	35.4	70.8	37.0-147	
1,3-Dinitrobenzene	50.0	32.1	64.2	34.0-120	
1,4-Naphthoquinone	50.0	2.27	4.54	50.0-150	<u>J4</u>
1-Naphthylamine	50.0	15.7	31.4	19.0-120	
2,6-Dichlorophenol	50.0	23.9	47.8	19.0-136	
2-Acetylaminofluorene	50.0	52.5	105	32.0-120	
2-Naphthylamine	50.0	6.65	13.3	10.0-120	
3,3-Dimethylbenzidine	50.0	5.24	10.5	13.0-120	<u>J4</u>
3-Methylcholanthrene	50.0	32.9	65.8	30.0-160	
4-Aminobiphenyl	50.0	24.6	49.2	20.0-120	
5-Nitro-o-toluidine	50.0	39.7	79.4	34.0-120	
Chlorobenzilate	50.0	39.6	79.2	29.0-128	
Diallate	50.0	32.6	65.2	30.0-120	
Dimethoate	50.0	34.1	68.2	11.0-134	
Dimethylbenz (A) Anthracene	50.0	11.8	23.6	14.0-124	
Dinoseb	50.0	35.4	70.8	39.0-120	
Diphenylamine	50.0	35.1	70.2	35.0-120	
Disulfoton	50.0	34.8	69.6	32.0-120	
Ethyl methanesulfonate	50.0	22.0	44.0	10.0-120	
Ethyl parathion	50.0	41.9	83.8	46.0-130	
Famphur	50.0	47.5	95.0	32.0-120	
Hexachloropropene	50.0	17.4	34.8	10.0-120	
Isodrin	50.0	28.4	56.8	22.0-157	
Isosafrole	50.0	27.2	54.4	25.0-133	
Kepone	50.0	19.7	39.4	10.0-120	
Methapyrilene	50.0	0.000	0.000	10.0-120	<u>J4</u>
Methyl methanesulfonate	50.0	17.5	35.0	10.0-120	
Methyl parathion	50.0	50.6	101	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	31.6	63.2	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4027482-1 01/22/24 21:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
P-(Dimethylamino) Azobenzene	50.0	37.5	75.0	27.0-120	
Pentachlorobenzene	50.0	26.5	53.0	25.0-120	
Pentachloronitrobenzene	50.0	33.2	66.4	34.0-132	
Phenacetin	50.0	31.5	63.0	34.0-127	
Phorate	50.0	41.8	83.6	13.0-160	
Pronamide	50.0	34.5	69.0	38.0-130	
Safrole	50.0	28.6	57.2	21.0-120	
Thionazin	50.0	42.9	85.8	38.0-121	
n-Nitrosodi-n-butylamine	50.0	36.9	73.8	13.0-143	
n-Nitrosodiethylamine	50.0	24.3	48.6	10.0-120	
n-Nitrosomethylethylamine	50.0	19.0	38.0	10.0-120	
n-Nitrosopiperidine	50.0	25.7	51.4	10.0-160	
n-Nitrosopyrrolidine	50.0	25.3	50.6	10.0-124	
o-Toluidine	50.0	13.7	27.4	10.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	<u>J4</u>

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

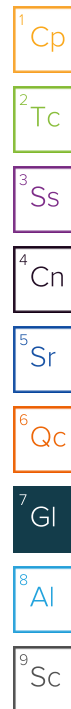
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
C6	The initial calibration verification standard (SSCV) associated with this data responded low.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

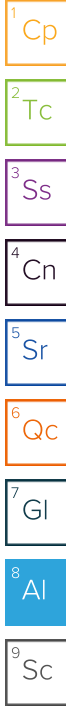
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

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

Pres
Chk

Analysis / Container / Preservative

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Warden

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	Remarks	Sample # (lab only)
NE-9	grab	GW	10.5'	1/7/24	14:10	16	X	X	X	X	X	X	X	X	X	X		
NE-10D		GW	102.8'	1/6/24	16:10	16	X	X	X	X	X	X	X	X	X	X		01
NE-11		GW	50.3'	1/7/24	15:40	16	X	X	X	X	X	X	X	X	X	X		02
NE-12		GW	58.9'	1/6/24	16:25	16	X	X	X	X	X	X	X	X	X	X		03
NE-13 NW-17		GW	60.6'	1/7/24	10:00	16	X	X	X	X	X	X	X	X	X	X		04
NE-14D		GW	17.8'	1/7/24	12:00	16	X	X	X	X	X	X	X	X	X	X		05
NE-14S		GW	19.5'	1/6/24	14:35	16	X	X	X	X	X	X	X	X	X	X		06
NE-15D		GW	48.5'	1/7/24	11:15	16	X	X	X	X	X	X	X	X	X	X		07
NE-15S dup		GW	77.7'	1/6/24	07:00	16	X	X	X	X	X	X	X	X	X	X		08
FB 1		GW	N/A	1/7/24	14:30	16	X	X	X	X	X	X	X	X	X	X		09



MT JULIET, TN

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

SDG # U694492
F025

Acctnum: WMECOVISAR

Template: T243781

Prelogin: P1044859

PM: 616 - Stacy Kennedy

PB: BW 1/24

Shipped Via: **FedEx Ground**

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

Remarks:

Samples returned via:
___ UPS ___ FedEx ___ Courier

Tracking #

PH-10BDH5021 TRC-235-167
CR6-20221V

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

Relinquished by: (Signature) <i>[Signature]</i>	Date: 1/8/24	Time: 11:00	Received by: (Signature)	Trip Blank Received: Yes/No 5 HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <u>2.20</u> °C Bottles Received: <u>192</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: <u>1/9/24</u> Time: <u>0900</u>

Condition:
NCF / 08

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:

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

Pres
Chk

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Walker

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N Y

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260LL TB 40mlAmb-HCl-Bik	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 TB 40mlAmb-HCl-Bik	WetChem 125mlHDPE-NoPres
NE-9	grab	GW	10.5	1/7/24	1410	16		X	X	
NE-10D		GW	102.8	1/6/24	1610	16		X	X	
NE-11		GW	50.3	1/7/24	1540	16		X	X	
NE-12		GW	58.9	1/7/24	1625	16		X	X	
NE-13 MW-17		GW	60.6	1/7/24	1000	16		X	X	
NE-14D		GW	17.8	1/7/24	1200	16		X	X	
NE-14S		GW	19.5	1/6/24	1435	16		X	X	
NE-15D		GW	48.5	1/7/24	1115	16		X	X	
NE-15S SUP		GW	77.7	1/6/24	0700	16		X	X	
FB 1		GW	N/A	1/9/24	1430	16		X	X	

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

Remarks:

Samples returned via:

___ UPS ___ FedEx ___ Courier

Tracking #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeoH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp ^{DAB} °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:
NCF / dk

Analysis / Container / Preservative

Chain of Custody Page 2 of 4



MT JULIET, TN

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

SDG # 469442

Table #

Acctnum: WMECOVISAR

Template: T243781

Prelogin: P1044859

PM: 616 - Stacy Kennedy

PB: BW 12/24

Shipped Via: FedEx Ground

Remarks | Sample # (lab only)

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

[Signature]
1/9/24 0900

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:

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

Pres
Chk

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Watten

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
Jodi Reynolds

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No.
of
Cnts

Immediately
Packed on Ice N ___ Y X

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAC	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl
NE-1		GW				16	X	X	X	X	X	X	X	X	X	
NE-2	grab	GW	21.3	1/6/24	1105	16	X	X	X	X	X	X	X	X	X	
NE-4		GW				16	X	X	X	X	X	X	X	X	X	
NE-5		GW				16	X	X	X	X	X	X	X	X	X	
NE-5B		GW				16	X	X	X	X	X	X	X	X	X	
NE-5W		GW				16	X	X	X	X	X	X	X	X	X	
NE-6		GW				16	X	X	X	X	X	X	X	X	X	
NE-6B		GW				16	X	X	X	X	X	X	X	X	X	
NE-7		GW				16	X	X	X	X	X	X	X	X	X	
NE-8		GW	13.5"	1/6/24	1215	16	X	X	X	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:

Samples returned via:

___ UPS ___ FedEx ___ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp 2.910 °C

Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:
NCF / OK

Analysis / Container / Preservative

Chain of Custody Page 3 of 9



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 # 469442

Table #

Acctnum: WMECOVISAR

Template: T243781

Prelogin: P1044859

PM: 616 - Stacy Kennedy

PB: BW 12/24

Shipped Via: FedEX Ground

Remarks | Sample # (lab only)

4

12

Christopher J. Sullivan

1/9/24

0900

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 4 of 4



MT JULIET, TN

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

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Walker

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

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

Quote #

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

NE-1	grab	GW				16
NE-2		GW	21.3	1/6/24	1105	16
NE-4		GW				16
NE-5		GW				16
NE-5E		GW				16
NE-5W		GW				16
NE-6		GW				16
NE-6D		GW				16
NE-7		GW				16
NE-8		GW	13.5	1/6/24	1215	16

V8260LL TB 40mlAmb-HCl-Bik

V8260LLAP9 40mlAmb-HCl

V8260LLAP9 TB 40mlAmb-HCl-Bik

WetChem 125mlHDPE-NoPres

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

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking #

pH _____ Temp _____
Flow _____ Other _____

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

Relinquished by: (Signature)
[Signature]

Date: **1/8/24**
Time: **11:00**

Received by: (Signature)

Trip Blank Received: Yes / No
HCL / MeOH
TBR

Relinquished by: (Signature)

Date: _____
Time: _____

Received by: (Signature)

Temp: **2.970** °C
Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____
Time: _____

Received for lab by: (Signature)

Date: **1/8/24**
Time: **0900**

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

FIELD INFORMATION FORM



Site Name: EVLV

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: _____

Site No.: _____ Sample Point: NE-d
 Sample ID

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
<u>0110724</u>	<u>14:00</u>				

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

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N

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

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

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

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

WELL DATA

Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 972 (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 PVC

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

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>14:00</u>	<u>200</u> 1 st	<u>6.14</u> 1 st	<u>719</u>	<u>14.6</u>	<u>3.1</u>	<u>1.2</u>	<u>83.3</u>	<u>10.3</u>
<u>14:05</u>	<u>200</u> 2 nd	<u>6.08</u> 2 nd	<u>726</u>	<u>14.8</u>	<u>2.8</u>	<u>5</u>	<u>88.2</u>	<u>10.5</u>
<u>14:10</u>	<u>200</u> 3 rd	<u>6.08</u> 3 rd	<u>727</u>	<u>14.8</u>	<u>2.7</u>	<u>5</u>	<u>88.4</u>	<u>10.5</u>
↓	4 th							
↓								
↓								
↓								
↓								
↓								
↓								

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

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

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (μmhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
<u>0110724</u>	<u>6.08</u>	<u>727</u>	<u>14.8</u>	<u>2.7</u>	<u>5</u>	<u>88.4</u>	<u>X</u>

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: NO 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):
FBI at 1430

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

1/9/24 Ryan Wallen [Signature] PROMUS
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: NE-100
Sample ID

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

Laboratory Use Only/Lab ID: _____

PURGE INFO
 PURGE DATE (MM DD YY): 010624
 PURGE TIME (2400 Hr Clock):
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

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

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 102.70 (ft) Groundwater Elevation (site datum, from TOC) _____ (ft/msl)
 Total Well Depth (from TOC) _____ (ft) Stick Up (from ground elevation) _____ (ft) Casing ID 2 (in) Casing Material PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
15:50	300 1 st	6.63	270	11.8	47.1	6.2	91.1	102.7
15:55	300 2 nd	6.74	239	14.6	62.5	7.0	88.9	102.7
16:00	300 3 rd	6.83	239	14.9	33.1	7.6	84.0	102.7
16:05	300 4 th	6.83	239	15.3	23.9	7.9	84.4	102.8
16:10	300	6.83	239	15.3	23.9 10.6	8.0	90.4	102.8

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 010624 pH (std): 6.83 CONDUCTANCE (μmhos/cm @ 25°C): 239 TEMP. (°C): 15.3 TURBIDITY (ntu): 10.6 DO (mg/L-ppm): 8.0 eH/ORP (mV): 90.4 Other: _____
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: No 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):
1, 6, 24 Ryan Walter [Signature] Promos
 Date Name Signature Company
 DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: NE-111
 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:

PURGE INFO
 PURGE DATE (MM DD YY): 01/09/24
 PURGE TIME (2400 Hr Clock): 15:25
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLs PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 50.3 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μ mhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
15:25	500 1 st	6.41	636	14.2	6.2	3.7	85.6	50.3
15:30	500 2 nd	6.32	602	14.3	11.8	2.3	87.6	50.3
15:35	500 3 rd	6.31	601	14.3	8.2	2.3	88.3	50.3
15:40	500 4 th	6.34	600	14.3	5.4	2.2	64.1	50.3
↓								
↓								
↓								
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Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/07/24
 pH (std): 6.34
 CONDUCTANCE (umhos/cm @ 25°C): 600
 TEMP. (°C): 14.3
 TURBIDITY (ntu): 5.4
 DO (mg/L-ppm): 2.2
 eH/ORP (mV): 64.1
 Other:
 Units:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
1/9/24 Ryan Wallen [Signature] Piomus
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVL
 Site No.:

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: _____

PURGE INFO: 0110724 1610
 PURGE DATE (MM DD YY) PURGE TIME (2400 Hr Clock) ELAPSED HRS (hrs:min) WATER VOL IN CASING (Gallons) ACTUAL VOL PURGED (Gallons) WELL VOLs PURGED

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

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

WELL DATA: Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 58.81 (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.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>16:10</u>	<u>400</u> 1 st	<u>6.63</u> 1 st	<u>530</u>	<u>12.5</u>	<u>4.6</u>	<u>6.5</u>	<u>77.5</u>	<u>58.8</u>
<u>16:15</u>	<u>400</u> 2 nd	<u>6.71</u> 2 nd	<u>491</u>	<u>14.1</u>	<u>10.1</u>	<u>5.8</u>	<u>80.1</u>	<u>58.9</u>
<u>16:20</u>	<u>400</u> 3 rd	<u>6.73</u> 3 rd	<u>496</u>	<u>14.2</u>	<u>6.8</u>	<u>5.6</u>	<u>81.0</u>	<u>58.9</u>
<u>16:25</u>	<u>400</u> 4 th	<u>6.73</u> 4 th	<u>495</u>	<u>14.2</u>	<u>4.3</u>	<u>5.6</u>	<u>82.8</u>	<u>58.9</u>

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

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

FIELD DATA: SAMPLE DATE (MM DD YY) 0110724 pH (std) 6.73 CONDUCTANCE (umhos/cm @ 25°C) 495 TEMP. (°C) 14.2 TURBIDITY (ntu) 4.3 DO (mg/L-ppm) 5.6 eH/ORP (mV) 82.8 Other: _____

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

Sample Appearance: clear Odor: No 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):
1.7.24 Ryan Wallen Jew pramos
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-17
 Sample ID

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

Laboratory Use Only/Lab ID: _____

PURGE INFO
 PURGE DATE (MM DD YY): 01/07/24
 PURGE TIME (2400 Hr Clock): 09:45
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

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

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 60.58 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>09:45</u>	<u>400</u> 1 st	<u>6.94</u> 1 st	<u>405</u>	<u>14.7</u>	<u>58.4</u>	<u>6.7</u>	<u>126.2</u>	<u>60.6</u>
<u>09:50</u>	<u>500</u> 2 nd	<u>6.96</u> 2 nd	<u>396</u>	<u>15.2</u>	<u>60.4</u>	<u>6.6</u>	<u>121.5</u>	<u>60.6</u>
<u>09:55</u>	<u>500</u> 3 rd	<u>6.87</u> 3 rd	<u>388</u>	<u>15.3</u>	<u>72.4</u>	<u>6.8</u>	<u>117.8</u>	<u>60.6</u>
<u>10:00</u>	<u>500</u> 4 th	<u>6.69</u> 4 th	<u>360</u>	<u>16.0</u>	<u>83.5</u>	<u>7.1</u>	<u>114.1</u>	<u>60.6</u>

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): 01/07/24
 pH (std): 6.69
 CONDUCTANCE (µmhos/cm @ 25°C): 360
 TEMP. (°C): 16.0
 TURBIDITY (ntu): 83.5
 DO (mg/L-ppm): 7.1
 eH/ORP (mV): 114.1
 Other: _____ Units _____
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO Color: clear Other: _____
 Weather Conditions (required daily, or as conditions change): _____ Direction/Speed: NW-3.5mph Outlook: clear Precipitation: Y or X
 Specific Comments (including purge/well volume calculations if required): _____

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
01/07/24 Ryan Waller [Signature] PROMUS
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: **EVLF**
Site No.:
Sample Point: **NE-140**
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: _____

PURGE INFO
PURGE DATE: **010724** (MM DD YY)
PURGE TIME: **11:50** (2400 Hr Clock)
ELAPSED HRS: **1** (hrs:min)
WATER VOL IN CASING: _____ (Gallons)
ACTUAL VOL PURGED: _____ (Gallons)
WELL VOL_s PURGED: _____

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

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

WELL DATA
Well Elevation (at TOC): _____ (ft/msl)
Depth to Water (DTW) (from TOC): **17.55** (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: **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)
		11:50	200 1 st	6.60	675	14.0	2.8	1.8	707
	11:55	200 2 nd	6.60	677	14.1	2.7	1.8	717	17.8
	12:00	200 3 rd	6.54	679	14.0	2.7	1.5	724	17.8
	:								
	:								
	:								
	:								
	:								
	:								
	:								
	:								
	:								
	:								

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

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

FIELD DATA
SAMPLE DATE (MM DD YY): **010724**
pH (std): **6.54**
CONDUCTANCE (µmhos/cm @ 25°C): **679**
TEMP. (°C): **14.0**
TURBIDITY (ntu): **2.7**
DO (mg/L - ppm): **1.5**
eH/ORP (mV): **724**
Other: _____ Units

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

Sample Appearance: **Clear** Odor: **NO** 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: **1/7/24** Name: **Ryan Allen** Signature: Company: **PROMES**

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

FIELD INFORMATION FORM



Site Name: EVLF

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: _____

Site No.: _____
 Sample Point: NE-145
 Sample ID: _____

PURGE INFO	<u>010624</u>	<u>14:15</u>				
	PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLS PURGED

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

PURGE/SAMPLE EQUIPMENT	Purging and Sampling Equipment ... Dedicated: <input type="checkbox"/> Y or <input checked="" type="checkbox"/> X		Filter Device: <input type="checkbox"/> Y or <input checked="" type="checkbox"/> X		0.45 μ or _____ μ (circle or fill in)	
	Purging Device: <u>B</u>	A-Submersible Pump	D-Bailer	Filter Type: _____	A-In-line Disposable	C-Vacuum
	Sampling Device: <u>B</u>	B-Peristaltic Pump	E-Piston Pump		B-Pressure	X-Other: _____
	X-Other: _____	C-QED Bladder Pump	F-Dipper/Bottle	Sample Tube Type: <u>D</u>	A-Teflon	C-PVC

WELL DATA	Well Elevation (at TOC): _____ (ft/msl)	Depth to Water (DTW) (from TOC): <u>19.52</u> (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: <u>PVC</u>

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) (μ hos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>14:15</u>	<u>250</u> 1 st	<u>6.64</u> 1 st	<u>640</u>	<u>11.9</u>	<u>5.7</u>	<u>3.1</u>	<u>83.2</u>
	<u>14:20</u>	<u>250</u> 2 nd	<u>6.62</u> 2 nd	<u>533</u>	<u>12.8</u>	<u>4.5</u>	<u>3.3</u>	<u>82.5</u>	<u>19.5</u>
	<u>14:25</u>	<u>250</u> 3 rd	<u>6.36</u> 3 rd	<u>411</u>	<u>13.3</u>	<u>3.5</u>	<u>3.9</u>	<u>84.3</u>	<u>19.5</u>
	<u>14:30</u>	<u>250</u> 4 th	<u>6.32</u> 4 th	<u>408</u>	<u>13.3</u>	<u>3.0</u>	<u>4.0</u>	<u>94.1</u>	<u>19.5</u>
	<u>14:35</u>	<u>250</u>	<u>6.31</u>	<u>413</u>	<u>13.3</u>	<u>2.7</u>	<u>4.0</u>	<u>95.4</u>	<u>19.5</u>
	;								
	;								
	;								
	;								

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

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

FIELD DATA	SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____
	<u>010624</u>	<u>6.31</u>	<u>413</u>	<u>13.3</u>	<u>2.7</u>	<u>4.0</u>	<u>95.4</u>	

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: NO Color: clear Other: _____

Weather Conditions (required daily, or as conditions change): _____ Direction/Speed: _____ Outlook: _____ Precipitation: Y or N

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

FIELD COMMENTS

*dup @ 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):

1/6/24 Ryan Wallen [Signature] PROMUS

Date Name Signature Company

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

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: NE-15D
 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: _____

PURGE INFO
 PURGE DATE (MM DD YY): 0110124
 PURGE TIME (2400 Hr Clock): 10:55
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 47.63 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>10:55</u>	<u>200</u> 1 st	<u>6.69</u>	<u>618</u>	<u>13.3</u>	<u>2.8RW</u>	<u>3.8</u>	<u>94.1</u>	<u>48.2</u>
<u>11:00</u>	<u>200</u> 2 nd	<u>6.64</u>	<u>627</u>	<u>13.2</u>	<u>2.7</u>	<u>2.1</u>	<u>93.3</u>	<u>48.4</u>
<u>11:05</u>	<u>200</u> 3 rd	<u>6.65</u>	<u>625</u>	<u>13.6</u>	<u>2.6</u>	<u>1.5</u>	<u>91.3</u>	<u>48.4</u>
<u>11:10</u>	<u>200</u> 4 th	<u>6.66</u>	<u>622</u>	<u>13.3</u>	<u>2.6</u>	<u>1.2</u>	<u>89.8</u>	<u>48.5</u>
<u>11:15</u>	<u>200</u>	<u>6.66</u>	<u>623</u>	<u>13.4</u>	<u>2.6</u>	<u>1.1</u>	<u>88.6</u>	<u>48.5</u>

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): 0110124
 pH (std): 6.66
 CONDUCTANCE (umhos/cm @ 25°C): 623
 TEMP. (°C): 13.4
 TURBIDITY (ntu): 2.6
 DO (mg/L-ppm): 1.1
 eH/ORP (mV): 88.6
 Other: _____
 Units: _____
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
NE-155 Dry

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

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

FIELD INFORMATION FORM



Site Name: EVLFP

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: _____

Site No.: _____ Sample Point: NE-2
 Sample ID

PURGE INFO
 PURGE DATE (MM DD YY): 010624 PURGE TIME (2400 Hr Clock): 10:40 ELAPSED HRS (hrs:min): _____ WATER VOL IN CASING (Gallons): _____ ACTUAL VOL PURGED (Gallons): _____ WELL VOLS PURGED: _____

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

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

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 213 (ft) Groundwater Elevation (site datum, from TOC) _____ (ft/msl)
 Total Well Depth _____ (ft) Stick Up _____ (ft) Casing ID 2 (in) Casing Material PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit (ML/min)	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>10:45</u>	<u>200</u>	<u>6.11</u>	<u>523</u>	<u>12.4</u>	<u>2.50</u>	<u>6.92</u>	<u>1127.9</u>	<u>21.35</u>
<u>10:50</u>	<u>200</u>	<u>6.19</u>	<u>521</u>	<u>12.9</u>	<u>2.3</u>	<u>6.7</u>	<u>1121.3</u>	<u>21.3</u>
<u>10:55</u>	<u>200</u>	<u>6.21</u>	<u>521</u>	<u>13.3</u>	<u>2.4</u>	<u>6.6</u>	<u>1118.6</u>	<u>21.3</u>
<u>11:05</u>	<u>200</u>	<u>6.23</u>	<u>523</u>	<u>13.2</u>	<u>2.6</u>	<u>6.5</u>	<u>1117.7</u>	<u>21.3</u>
<u>11:05</u>	<u>200</u>	<u>6.23</u>	<u>523</u>	<u>13.2</u>	<u>2.4</u>	<u>6.6</u>	<u>1117.5</u>	<u>21.3</u>

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 010624 pH (std): 6.23 CONDUCTANCE (umhos/cm @ 25°C): 523 TEMP. (°C): 13.0 TURBIDITY (ntu): 2.4 DO (mg/L-ppm): 6.6 eH/ORP (mV): 1117.5 Other: _____
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO Color: clear Other: _____
 Weather Conditions (required daily, or as conditions change): _____ Direction/Speed: NW 5-10mph Outlook: cloudy, 40° Precipitation: Y or X
 Specific Comments (including purge/well volume calculations if required): _____

FIELD COMMENTS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
1.6.24 Ryan Waller _____ [Signature] _____ PROMUS
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLF

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: _____

Site No.: _____ Sample Point: NE-13
Sample ID

PURGE INFO
 PURGE DATE: 01/07/24 (MM DD YY)
 PURGE TIME: 14:45 (2400 Hr Clock)
 ELAPSED HRS: _____ (hrs:min)
 WATER VOL IN CASING: _____ (Gallons)
 ACTUAL VOL PURGED: _____ (Gallons)
 WELL VOLs PURGED: _____

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

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

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl)
 Depth to Water (DTW) (from TOC) 38.90 (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 PVC

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

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>14:45</u>							

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/07/24
 pH (std): _____
 CONDUCTANCE (µmhos/cm @ 25°C): _____
 TEMP. (°C): _____
 TURBIDITY (ntu): _____
 DO (mg/L-ppm): _____
 eH/ORP (mV): _____
 Other: _____
 Units: _____

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

Sample Appearance: _____
 Odor: _____
 Color: _____
 Other: _____
 Weather Conditions (required daily, or as conditions change): _____
 Direction/Speed: _____
 Outlook: _____
 Precipitation: Y or N

FIELD COMMENTS
 Specific Comments (including purge/well volume calculations if required):
38.9' = TOP OF PUMP
Dry Well

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
1/7/24 Ryan Wullen [Signature] PROMUS
Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: NE-8
 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: _____

PURGE INFO
 PURGE DATE (MM DD YY): 010624
 PURGE TIME (2400 Hr Clock):
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOL PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 1308 (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.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:51:0	200 1 st	6.43	7510	13.5	159.4	3.2	1104.5	13.5
11:51:5	200 2 nd	6.46	784	13.4	62.5	1.7	1107.8	13.5
12:0:0	200 3 rd	6.46	7810	14.4	39.7	1.0	1051.7	13.5
12:0:5	200 4 th	6.44	775	14.5	37.5	0.8	77.8	13.5
12:1:0	200	6.46	774	14.5	26.2	0.7	89.9	13.5
12:1:5	200	6.46	770	14.5	25.4	0.7	90.2	13.5

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 010624 pH (std): 6.46 CONDUCTANCE (umhos/cm @ 25 °C): 770 TEMP. (°C): 14.5 TURBIDITY (ntu): 25.4 DO (mg/L-ppm): 0.7 eH/ORP (mV): 90.2 Other: _____
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
1.6.24 Ryan Waller [Signature] PROMUS
 Date Name Signature Company

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

<u>Tracking Numbers</u>		<u>Tempature</u>
7210 2110 7746		2.910
7210 2110 7780		4.210
7210 2110 7757		1.810
7210 2110 7768		4.410
7210 2110 7790		1.610
7210 2110 7779		1.110

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Eco-Vista (Tontitown)LF

Sample Delivery Group: L1693811
Samples Received: 01/06/2024
Project Number: 300
Description: Eco-Vista LF- Tri-Annual Event '18 '21 '24
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

Entire Report Reviewed By:



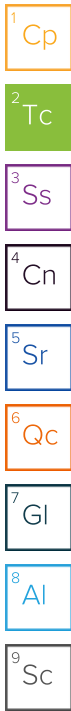
Stacy Kennedy
Project Manager

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

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

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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

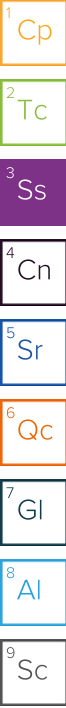
⁹ Sc

SAMPLE SUMMARY

LDS-1 L1693811-01 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 09:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 10:40	01/09/24 10:40	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	5	01/09/24 16:03	01/09/24 16:03	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2201931	1	01/08/24 19:16	01/08/24 19:16	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:17	01/07/24 17:17	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:01	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	1	01/06/24 17:10	01/06/24 17:10	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	5	01/06/24 17:23	01/06/24 17:23	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	1	01/07/24 22:54	01/07/24 22:54	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	1	01/07/24 18:33	01/08/24 16:40	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202599	1	01/08/24 17:14	01/08/24 21:19	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	1	01/08/24 09:13	01/23/24 17:42	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	1	01/08/24 09:13	01/23/24 18:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 11:43	01/07/24 11:43	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203445	1	01/10/24 14:31	01/10/24 14:31	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 01:44	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 22:31	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/08/24 18:10	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 15:31	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 01:30	DSH	Mt. Juliet, TN



LDS-2 L1693811-02 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 10:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 10:44	01/09/24 10:44	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	1	01/09/24 15:12	01/09/24 15:12	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2201931	1	01/08/24 19:18	01/08/24 19:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:17	01/07/24 17:17	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:03	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	1	01/06/24 17:36	01/06/24 17:36	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	5	01/06/24 17:49	01/06/24 17:49	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203177	2	01/09/24 11:52	01/09/24 11:52	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	1	01/07/24 18:33	01/08/24 16:42	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202599	1	01/08/24 17:14	01/08/24 21:28	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	1	01/08/24 09:13	01/23/24 17:45	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 12:03	01/07/24 12:03	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203445	1	01/10/24 14:52	01/10/24 14:52	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 01:55	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 22:41	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/08/24 18:19	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 15:53	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 01:48	DSH	Mt. Juliet, TN

LDS-3 L1693811-03 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 11:30
 Received date/time: 01/06/24 09:00

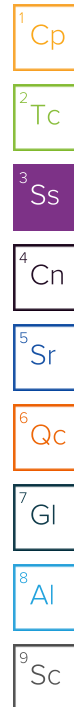
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 10:49	01/09/24 10:49	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	2000	01/09/24 16:08	01/09/24 16:08	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2201931	10	01/08/24 19:24	01/08/24 19:24	CAT	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-3 L1693811-03 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 11:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500S2 D-2011	WG2202664	20	01/07/24 17:40	01/07/24 17:40	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:05	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 18:02	01/06/24 18:02	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	100	01/07/24 23:42	01/07/24 23:42	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 16:49	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202599	4.5	01/08/24 17:14	01/08/24 21:31	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	5	01/08/24 09:13	01/23/24 17:48	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	5	01/08/24 09:13	01/23/24 18:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 12:24	01/07/24 12:24	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203445	20	01/10/24 16:14	01/10/24 16:14	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	20	01/09/24 07:43	01/12/24 03:42	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 23:53	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2209018	2	01/08/24 08:07	01/19/24 00:29	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	5	01/10/24 07:30	01/19/24 18:26	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/24/24 15:43	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/25/24 02:34	DSH	Mt. Juliet, TN



LDS-4 L1693811-04 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 12:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202559	1	01/07/24 14:08	01/08/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 10:57	01/09/24 10:57	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 16:09	01/09/24 16:09	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 19:42	01/08/24 19:42	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:40	01/07/24 17:40	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:09	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 18:15	01/06/24 18:15	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	100	01/08/24 00:02	01/08/24 00:02	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 16:52	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202599	4.5	01/08/24 17:14	01/08/24 21:34	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	5	01/08/24 09:13	01/23/24 17:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 12:44	01/07/24 12:44	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203445	1	01/10/24 15:13	01/10/24 15:13	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 02:15	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 00:03	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/11/24 00:03	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 12:37	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/20/24 23:12	DSH	Mt. Juliet, TN

LDS-5 L1693811-05 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 14:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 11:32	01/09/24 11:32	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 15:17	01/09/24 15:17	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 19:45	01/08/24 19:45	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:41	01/07/24 17:41	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:11	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 18:28	01/06/24 18:28	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	50	01/08/24 00:21	01/08/24 00:21	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 16:54	SDG	Mt. Juliet, TN

SAMPLE SUMMARY

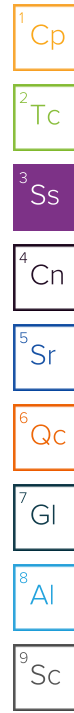
LDS-5 L1693811-05 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 14:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2202599	4.5	01/08/24 17:14	01/08/24 21:37	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	5	01/08/24 09:13	01/23/24 17:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 13:05	01/07/24 13:05	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203445	1	01/10/24 15:33	01/10/24 15:33	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 02:25	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 00:14	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/11/24 00:14	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 12:59	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/20/24 23:30	DSH	Mt. Juliet, TN



LDS-6 L1693811-06 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 15:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 11:28	01/09/24 11:28	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	100	01/09/24 15:18	01/09/24 15:18	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 19:47	01/08/24 19:47	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:41	01/07/24 17:41	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:12	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 19:06	01/06/24 19:06	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	50	01/09/24 23:04	01/09/24 23:04	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 16:56	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202599	4.5	01/08/24 17:14	01/08/24 21:40	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	5	01/08/24 09:13	01/23/24 17:58	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 13:25	01/07/24 13:25	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203445	1	01/10/24 15:54	01/10/24 15:54	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 05:08	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/18/24 01:25	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/10/24 22:52	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 13:21	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/20/24 23:47	DSH	Mt. Juliet, TN

LDS-7 L1693811-07 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 16:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202557	1	01/07/24 14:38	01/08/24 09:21	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 11:23	01/09/24 11:23	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	50	01/09/24 15:24	01/09/24 15:24	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	5	01/08/24 19:49	01/08/24 19:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:41	01/07/24 17:41	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:13	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	10	01/06/24 19:19	01/06/24 19:19	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	20	01/09/24 23:22	01/09/24 23:22	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 16:58	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:02	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	1	01/08/24 09:13	01/23/24 18:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 13:46	01/07/24 13:46	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 02:35	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 23:02	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/10/24 23:02	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 16:15	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

LDS-7 L1693811-07 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 16:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 02:05	DSH	Mt. Juliet, TN

LDS-8 L1693811-08 GW

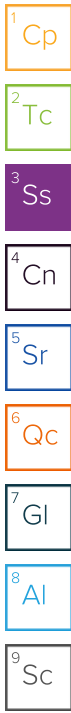
Collected by: Chris Fincher
 Collected date/time: 01/04/24 17:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202557	1	01/07/24 14:38	01/08/24 09:21	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2202839	1	01/09/24 11:14	01/09/24 11:14	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	50	01/09/24 15:26	01/09/24 15:26	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 19:51	01/08/24 19:51	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:42	01/07/24 17:42	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	5	01/07/24 17:17	01/08/24 17:15	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	10	01/06/24 19:32	01/06/24 19:32	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	20	01/09/24 23:41	01/09/24 23:41	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	1	01/07/24 18:33	01/08/24 17:01	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:05	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	1	01/08/24 09:13	01/23/24 18:05	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202600	1	01/08/24 09:13	01/23/24 18:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 14:06	01/07/24 14:06	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 02:45	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 23:12	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/10/24 23:12	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 16:37	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 02:22	DSH	Mt. Juliet, TN

LDS-9 L1693811-09 GW

Collected by: Chris Fincher
 Collected date/time: 01/05/24 09:30
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202559	1	01/07/24 14:08	01/08/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 12:31	01/09/24 12:31	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	5	01/09/24 16:11	01/09/24 16:11	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	1	01/08/24 19:54	01/08/24 19:54	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:42	01/07/24 17:42	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:16	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	1	01/06/24 19:45	01/06/24 19:45	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	1	01/08/24 00:42	01/08/24 00:42	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	1	01/07/24 18:33	01/08/24 16:22	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	1	01/09/24 08:56	01/09/24 17:08	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	1	01/09/24 07:49	01/26/24 16:08	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 14:27	01/07/24 14:27	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	1	01/10/24 09:14	01/11/24 02:09	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2203305	1	01/09/24 07:13	01/10/24 14:11	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/10/24 14:11	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 16:59	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 02:40	DSH	Mt. Juliet, TN



SAMPLE SUMMARY

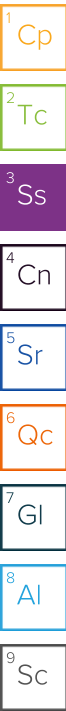
LDS-10 L1693811-10 GW

Collected by
Chris Fincher

Collected date/time
01/05/24 10:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202559	1	01/07/24 14:08	01/08/24 14:00	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 12:47	01/09/24 12:47	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 15:33	01/09/24 15:33	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:14	01/08/24 20:14	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	5	01/07/24 17:43	01/07/24 17:43	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:21	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 20:36	01/06/24 20:36	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	50	01/08/24 02:26	01/08/24 02:26	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	1	01/07/24 18:33	01/08/24 17:03	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:11	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 14:47	01/07/24 14:47	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	50	01/10/24 09:14	01/17/24 09:33	AMM	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	50	01/10/24 09:14	01/17/24 21:19	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2203305	1	01/09/24 07:13	01/10/24 15:31	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 01:25	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 17:42	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 02:57	DSH	Mt. Juliet, TN



LDS-11 L1693811-11 GW

Collected by
Chris Fincher

Collected date/time
01/05/24 11:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 12:54	01/09/24 12:54	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 15:35	01/09/24 15:35	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	50	01/08/24 20:16	01/08/24 20:16	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	2	01/07/24 17:47	01/07/24 17:47	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	10	01/07/24 17:17	01/08/24 17:22	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 20:49	01/06/24 20:49	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	50	01/08/24 02:50	01/08/24 02:50	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 17:05	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:20	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:39	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	10	01/07/24 16:50	01/07/24 16:50	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	20	01/10/24 09:14	01/17/24 08:59	AMM	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	20	01/10/24 09:14	01/17/24 20:45	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2203305	1	01/09/24 07:13	01/10/24 15:40	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 01:35	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	5	01/10/24 07:30	01/19/24 18:48	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/24/24 15:21	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/25/24 02:16	DSH	Mt. Juliet, TN

LDS-12 L1693811-12 GW

Collected by
Chris Fincher

Collected date/time
01/05/24 12:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:01	01/09/24 13:01	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 15:36	01/09/24 15:36	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:18	01/08/24 20:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:48	01/07/24 17:48	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:26	LDT	Mt. Juliet, TN

SAMPLE SUMMARY

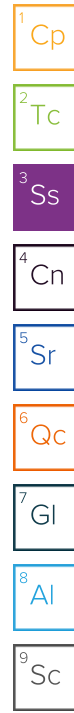
LDS-12 L1693811-12 GW

Collected by
Chris Fincher

Collected date/time
01/05/24 12:30

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 21:02	01/06/24 21:02	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	100	01/08/24 03:10	01/08/24 03:10	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 17:08	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:23	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 15:08	01/07/24 15:08	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	1	01/10/24 09:14	01/11/24 03:00	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2203305	1	01/09/24 07:13	01/10/24 15:49	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 01:46	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/14/24 16:54	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/17/24 17:48	DSH	Mt. Juliet, TN



LCS-1 L1693811-13 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 09:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:20	01/09/24 13:20	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	2000	01/09/24 16:22	01/09/24 16:22	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:20	01/08/24 20:20	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	20	01/07/24 17:49	01/07/24 17:49	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:28	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 21:40	01/06/24 21:40	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	100	01/10/24 00:02	01/10/24 00:02	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 17:10	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:26	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:46	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	10	01/07/24 17:10	01/07/24 17:10	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	20	01/09/24 07:43	01/12/24 03:31	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 00:24	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2209018	2	01/08/24 08:07	01/19/24 00:39	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 18:04	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/24/24 14:37	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/25/24 01:42	DSH	Mt. Juliet, TN

LCS-2 L1693811-14 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 10:00

Received date/time
01/06/24 09:00

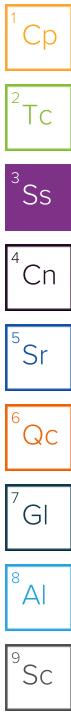
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:27	01/09/24 13:27	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	1000	01/09/24 16:23	01/09/24 16:23	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:23	01/08/24 20:23	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:49	01/07/24 17:49	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:29	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 21:53	01/06/24 21:53	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	100	01/10/24 00:19	01/10/24 00:19	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 17:17	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:29	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:49	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 15:28	01/07/24 15:28	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 03:06	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 00:34	JMB	Mt. Juliet, TN

SAMPLE SUMMARY

LCS-2 L1693811-14 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 10:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/11/24 00:34	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 13:42	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 00:04	DSH	Mt. Juliet, TN



LCS-3 L1693811-15 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 11:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:32	01/09/24 13:32	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 16:25	01/09/24 16:25	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:25	01/08/24 20:25	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	1	01/07/24 17:50	01/07/24 17:50	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:31	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 22:06	01/06/24 22:06	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	100	01/10/24 00:38	01/10/24 00:38	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202340	10	01/07/24 18:33	01/08/24 17:19	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:32	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:52	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 15:49	01/07/24 15:49	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 03:46	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 00:44	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/11/24 00:44	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 14:04	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 00:21	DSH	Mt. Juliet, TN

LCS-4 L1693811-16 GW

Collected by: Chris Fincher
 Collected date/time: 01/04/24 12:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:38	01/09/24 13:38	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 15:47	01/09/24 15:47	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:27	01/08/24 20:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	5	01/07/24 17:50	01/07/24 17:50	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:32	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 22:19	01/06/24 22:19	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	100	01/10/24 00:57	01/10/24 00:57	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 18:52	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:35	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:56	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 16:09	01/07/24 16:09	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202503	1	01/09/24 07:43	01/10/24 03:57	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 00:55	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/11/24 00:55	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 14:26	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 00:39	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

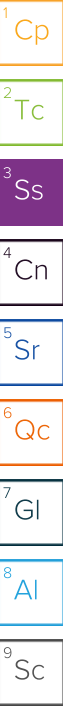
LCS-5 L1693811-17 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 14:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:43	01/09/24 13:43	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	2000	01/09/24 16:26	01/09/24 16:26	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:29	01/08/24 20:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202664	20	01/07/24 18:02	01/07/24 18:02	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:34	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 22:32	01/06/24 22:32	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2203396	100	01/10/24 01:21	01/10/24 01:21	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 18:58	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:38	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 17:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	10	01/07/24 17:31	01/07/24 17:31	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	50	01/10/24 09:14	01/12/24 04:16	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/11/24 01:05	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2209018	2	01/08/24 08:07	01/19/24 00:49	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	5	01/10/24 07:30	01/19/24 19:09	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/24/24 14:59	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	50	01/10/24 07:30	01/25/24 01:59	DSH	Mt. Juliet, TN



LCS-6 L1693811-18 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 15:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:51	01/09/24 13:51	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 16:28	01/09/24 16:28	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:32	01/08/24 20:32	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	1	01/08/24 08:12	01/08/24 08:12	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:35	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 22:45	01/06/24 22:45	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	10	01/11/24 12:47	01/11/24 12:47	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 19:00	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:41	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 16:59	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2202578	1	01/07/24 16:29	01/07/24 16:29	JAH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	1	01/10/24 09:14	01/11/24 04:22	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 23:22	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/10/24 23:22	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 14:48	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 00:56	DSH	Mt. Juliet, TN

LCS-7 L1693811-19 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 16:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 13:56	01/09/24 13:56	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	200	01/09/24 15:51	01/09/24 15:51	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:46	01/08/24 20:46	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	1	01/08/24 08:13	01/08/24 08:13	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2202705	1	01/07/24 17:17	01/08/24 17:36	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	100	01/06/24 22:58	01/06/24 22:58	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	20	01/11/24 23:33	01/11/24 23:33	ASH	Mt. Juliet, TN

SAMPLE SUMMARY

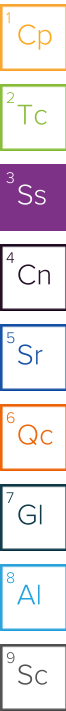
LCS-7 L1693811-19 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 16:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 19:03	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 17:44	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 17:02	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203065	5	01/08/24 18:55	01/08/24 18:55	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	1	01/10/24 09:14	01/11/24 04:32	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 23:33	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/10/24 23:33	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 15:10	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/21/24 01:13	DSH	Mt. Juliet, TN



LCS-8 L1693811-20 GW

Collected by
Chris Fincher

Collected date/time
01/04/24 17:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202560	1	01/07/24 14:26	01/08/24 10:55	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 14:01	01/09/24 14:01	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203371	100	01/09/24 15:53	01/09/24 15:53	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	5	01/08/24 20:47	01/08/24 20:47	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	1	01/08/24 08:13	01/08/24 08:13	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203138	5	01/08/24 17:39	01/08/24 23:04	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202331	10	01/06/24 23:10	01/06/24 23:10	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	5	01/12/24 09:12	01/12/24 09:12	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	1	01/07/24 18:39	01/08/24 19:05	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	1	01/09/24 08:56	01/09/24 17:47	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	1	01/09/24 07:49	01/26/24 17:05	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203065	10	01/08/24 19:16	01/08/24 19:16	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	1	01/10/24 09:14	01/11/24 03:41	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2202480	1	01/08/24 08:07	01/10/24 23:43	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2202480	1	01/08/24 08:07	01/10/24 23:43	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	1	01/10/24 07:30	01/19/24 17:20	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	10	01/10/24 07:30	01/24/24 14:15	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2202487	10	01/10/24 07:30	01/25/24 01:24	DSH	Mt. Juliet, TN

LCS-9 L1693811-21 GW

Collected by
Chris Fincher

Collected date/time
01/05/24 09:00

Received date/time
01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202557	1	01/07/24 14:38	01/08/24 09:21	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 14:06	01/09/24 14:06	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203372	200	01/09/24 17:06	01/09/24 17:06	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:49	01/08/24 20:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	5	01/08/24 08:45	01/08/24 08:45	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203138	1	01/08/24 17:35	01/08/24 23:08	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2202848	10	01/08/24 22:10	01/08/24 22:10	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	50	01/08/24 03:31	01/08/24 03:31	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 19:12	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 18:32	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 17:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203065	5	01/08/24 19:36	01/08/24 19:36	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	20	01/10/24 09:14	01/17/24 09:11	AMM	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	20	01/10/24 09:14	01/17/24 20:57	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2205702	1	01/12/24 06:11	01/13/24 14:06	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 01:56	JMB	Mt. Juliet, TN

SAMPLE SUMMARY

LCS-9 L1693811-21 GW

Collected by: Chris Fincher
 Collected date/time: 01/05/24 09:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/14/24 18:44	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/17/24 18:58	DSH	Mt. Juliet, TN

LCS-10 L1693811-22 GW

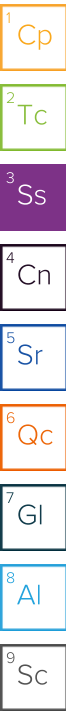
Collected by: Chris Fincher
 Collected date/time: 01/05/24 10:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202557	1	01/07/24 14:38	01/08/24 09:21	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 14:23	01/09/24 14:23	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203372	100	01/09/24 17:27	01/09/24 17:27	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	5	01/08/24 20:52	01/08/24 20:52	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	1	01/08/24 08:52	01/08/24 08:52	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203138	1	01/08/24 17:35	01/08/24 23:10	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203460	100	01/09/24 12:47	01/09/24 12:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	50	01/08/24 03:50	01/08/24 03:50	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	1	01/07/24 18:39	01/08/24 19:14	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 18:35	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	1	01/09/24 07:49	01/26/24 17:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203065	10	01/08/24 19:57	01/08/24 19:57	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	20	01/10/24 09:14	01/17/24 09:22	AMM	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	20	01/10/24 09:14	01/17/24 21:08	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2205702	1	01/12/24 06:11	01/13/24 14:16	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 01:15	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	1	01/10/24 06:17	01/19/24 19:31	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	1	01/10/24 06:17	01/21/24 03:14	DSH	Mt. Juliet, TN

LCS-11 L1693811-23 GW

Collected by: Chris Fincher
 Collected date/time: 01/05/24 11:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202557	1	01/07/24 14:38	01/08/24 09:21	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 14:31	01/09/24 14:31	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203372	2000	01/09/24 17:28	01/09/24 17:28	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2202378	10	01/08/24 20:58	01/08/24 20:58	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	5	01/08/24 08:54	01/08/24 08:54	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203138	1	01/08/24 17:35	01/08/24 23:11	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203460	100	01/09/24 13:25	01/09/24 13:25	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	100	01/08/24 04:13	01/08/24 04:13	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 19:17	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 18:38	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 17:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203065	5	01/08/24 20:18	01/08/24 20:18	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2205561	100	01/11/24 18:11	01/11/24 18:11	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	50	01/10/24 09:14	01/12/24 04:04	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2205702	1	01/12/24 06:11	01/13/24 14:26	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 02:06	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	1	01/10/24 06:17	01/27/24 18:07	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	1	01/10/24 06:17	01/27/24 19:05	JRM	Mt. Juliet, TN

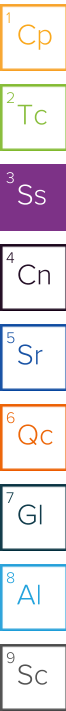


SAMPLE SUMMARY

LCS-12 L1693811-24 GW

Collected by: Chris Fincher
 Collected date/time: 01/05/24 12:00
 Received date/time: 01/06/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2202557	1	01/07/24 14:38	01/08/24 09:21	JAC	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2203134	1	01/09/24 14:39	01/09/24 14:39	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2203372	200	01/09/24 17:15	01/09/24 17:15	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	10	01/10/24 10:27	01/10/24 10:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2202667	5	01/08/24 08:54	01/08/24 08:54	JGM	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203138	1	01/08/24 17:35	01/08/24 23:12	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203200	100	01/08/24 23:24	01/08/24 23:24	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2202647	100	01/08/24 04:33	01/08/24 04:33	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2202341	10	01/07/24 18:39	01/08/24 19:19	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2202942	9	01/09/24 08:56	01/09/24 18:41	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2202953	9	01/09/24 07:49	01/26/24 17:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2203065	5	01/08/24 20:38	01/08/24 20:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2205561	5	01/11/24 18:31	01/11/24 18:31	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	50	01/10/24 09:14	01/17/24 09:44	AMM	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2202505	50	01/10/24 09:14	01/17/24 21:31	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2205702	1	01/12/24 06:11	01/13/24 14:35	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2203305	1	01/09/24 07:13	01/11/24 02:16	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/14/24 17:16	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/17/24 18:06	DSH	Mt. Juliet, TN



LEACHATE-COMPOSITE L1693811-25 GW

Collected by: Chris Fincher
 Collected date/time: 01/05/24 13:00
 Received date/time: 01/06/24 09:00

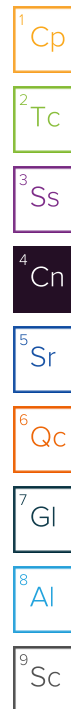
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Gravimetric Analysis by Method 2540 C-2011	WG2206110	1	01/12/24 10:50	01/12/24 14:28	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2204249	1	01/10/24 13:26	01/10/24 13:26	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2204231	500	01/10/24 10:58	01/10/24 10:58	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2203931	10	01/10/24 10:29	01/10/24 10:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2203628	10	01/09/24 16:41	01/09/24 16:41	ARV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2203900	2	01/09/24 18:20	01/10/24 18:00	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203698	10	01/09/24 14:29	01/09/24 14:29	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2203698	100	01/09/24 14:43	01/09/24 14:43	ASM	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2204237	50	01/11/24 23:57	01/11/24 23:57	ASH	Mt. Juliet, TN
Mercury by Method 7470A	WG2204305	10	01/11/24 17:56	01/12/24 13:23	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2204399	1	01/11/24 00:34	01/11/24 11:33	DJS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2204399	5	01/11/24 00:34	01/11/24 12:25	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2204683	10	01/10/24 19:04	01/13/24 18:06	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2206195	20	01/14/24 13:53	01/14/24 13:53	DWR	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2204123	50	01/11/24 10:21	01/17/24 21:40	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206200	1	01/12/24 13:52	01/14/24 19:16	JMB	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206200	1	01/12/24 13:52	01/18/24 03:59	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206200	1	01/12/24 13:52	01/14/24 19:16	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/14/24 18:00	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2204132	5	01/10/24 06:17	01/17/24 18:41	DSH	Mt. Juliet, TN

CASE NARRATIVE

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



Stacy Kennedy
Project Manager



Project Comments

Method 8270 -01 through -11, -13 through -20: Hexachlorocyclopentadiene is reporting with critically low recovery in the laboratory control sample(s). Results are estimated.

Method 8270 -01,-02, -04 through -10, -14 through -19, -23: p-Phenylenediamine and 1,4-Naphthoquinone are reporting with critically low recovery in the laboratory control sample(s). These compounds are a method defined poor performer. Results are estimated

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

Sample Delivery Group (SDG) Narrative

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

Batch	Method	Lab Sample ID
WG2201931	353.2	L1693811-03
WG2202340	7470A	L1693811-03, 10, 11, 13, 15
WG2202341	7470A	L1693811-17, 23, 24
WG2202378	353.2	L1693811-04, 05, 10, 11, 12, 13, 15, 16, 17, 18, 19, 21, 23
WG2202599	6010B	L1693811-03
WG2202647	9060A	L1693811-01, 03, 04, 05, 10, 11, 12, 21, 22, 23, 24
WG2202667	4500S2 D-2011	L1693811-18, 19, 20, 21, 22, 23, 24
WG2202942	6010B	L1693811-07, 08, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 24
WG2202953	6020	L1693811-10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 24
WG2203371	350.1	L1693811-03, 04, 05, 10, 11, 12, 13, 15, 16, 17, 18, 19
WG2203372	350.1	L1693811-21, 23, 24
WG2203396	9060A	L1693811-06, 07, 08, 13, 14, 15, 16, 17
WG2203931	353.2	L1693811-24, 25
WG2204231	350.1	L1693811-25
WG2204237	9060A	L1693811-18, 19, 20, 25
WG2204399	6010B	L1693811-25
WG2204683	6020	L1693811-25

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
WG2202557	(DUP) R4021417-3	Dissolved Solids
WG2202559	(DUP) R4021419-4	Dissolved Solids

CASE NARRATIVE

Wet Chemistry by Method 350.1

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

Batch	Lab Sample ID	Analytes
WG2203371	(MS) R4021391-7, L1693811-09	Ammonia Nitrogen

Wet Chemistry by Method 4500S2 D-2011

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

Batch	Lab Sample ID	Analytes
WG2202667	(MS) R4020656-6, (MSD) R4020656-7, L1693811-22	Sulfide

Wet Chemistry by Method 9012B

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

Batch	Lab Sample ID	Analytes
WG2202705	(MSD) R4020948-6, L1693811-09	Cyanide
WG2203900	(MS) R4021849-3, (MS) R4021849-5, (MSD) R4021849-4, (MSD) R4021849-6	Cyanide

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2202331	(MS) R4022875-4, (MSD) R4022875-5, L1693811-09	Chloride
WG2202848	(MS) R4021105-6, (MSD) R4021105-7	Sulfate
WG2203200	(MS) R4021340-4	Chloride
WG2203460	(MS) R4021982-4, (MSD) R4021982-5	Chloride

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

Batch	Lab Sample ID	Analytes
WG2202331	(MS) R4022875-7, L1693811-20	Chloride and Sulfate
WG2203460	(MS) R4021982-4, (MSD) R4021982-5	Sulfate

Wet Chemistry by Method 9060A

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

Batch	Lab Sample ID	Analytes
WG2203177	(DUP) R4021280-5	TOC

Metals (ICP) by Method 6010B

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

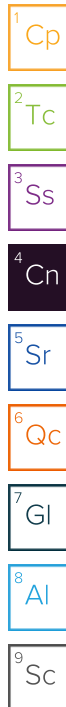
Batch	Lab Sample ID	Analytes
WG2204399	(MS) R4022072-4, (MSD) R4022072-5	Manganese, Total Recoverable

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

Batch	Lab Sample ID	Analytes
WG2202599	(MS) R4021069-4, (MSD) R4021069-5	Sodium, Total Recoverable
WG2202942	(MS) R4021428-4	Sodium, Total Recoverable

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

Batch	Lab Sample ID	Analytes
WG2204399	(MSD) R4022072-5	Manganese, Total Recoverable



CASE NARRATIVE

Metals (ICPMS) by Method 6020

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

Batch	Lab Sample ID	Analytes
WG2202600	(MS) R4025497-4, (MSD) R4025497-5	Antimony, Total Recoverable, Beryllium, Total Recoverable and Cadmium, Total Recoverable

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

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

Batch	Lab Sample ID	Analytes
WG2202578	(LCS) R4021099-1, (LCSD) R4021099-2, L1693811-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18	Bromomethane and Iodomethane
WG2203065	(LCS) R4022130-1, (LCSD) R4022130-2, L1693811-19, 20, 21, 22, 23, 24	Bromomethane and Iodomethane
WG2206195	(LCS) R4023079-1, (LCSD) R4023079-2, L1693811-25	Bromomethane and Iodomethane

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

Batch	Lab Sample ID	Analytes
WG2203065	(LCSD) R4022130-2, L1693811-19, 20, 21, 22, 23, 24	trans-1,4-Dichloro-2-butene and Vinyl acetate
WG2206195	(LCSD) R4023079-2, L1693811-25	Acrolein, Trichloroethene and Vinyl acetate

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2202503	(MS) R4022032-3	2,4,5-T
WG2202503	(MSD) R4022032-4	2,4,5-T and 2,4,5-Tp (Silvex)
WG2202505	(LCS) R4022227-2	2,4,5-T and 2,4,5-Tp (Silvex)
WG2202505	(LCSD) R4022227-3	2,4,5-Tp (Silvex)
WG2204123	(LCS) R4023720-2	2,4-D
WG2204123	(MS) R4023720-3	2,4,5-T
WG2204123	(MSD) R4023720-4	2,4,5-T

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG2202503	2,4-Dichlorophenyl Acetic Acid	L1693811-05, 07, 16

Surrogate recovery cannot be used for control limit evaluation due to dilution.

Batch	Analyte	Lab Sample ID
WG2202503	2,4-Dichlorophenyl Acetic Acid	L1693811-03, 13
WG2202505	2,4-Dichlorophenyl Acetic Acid	L1693811-10, 11, 17, 21, 22, 23, 24
WG2204123	2,4-Dichlorophenyl Acetic Acid	L1693811-25

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

Batch	Lab Sample ID	Analytes
WG2202505	(LCS) R4022227-2, (LCSD) R4022227-3, L1693811-09, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 24	2,4,5-T, 2,4,5-Tp (Silvex) and 2,4-D
WG2204123	(LCS) R4023720-2	2,4-D

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

Batch	Lab Sample ID	Analytes
WG2202503	(MS) R4022032-3, (MSD) R4022032-4	2,4,5-T, 2,4,5-Tp (Silvex) and 2,4-D
WG2204123	(MS) R4023720-3, (MSD) R4023720-4	2,4,5-T

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

CASE NARRATIVE

Pesticides (GC) by Method 8081

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2202480	Decachlorobiphenyl	L1693811-03, 04, 05, 06, 07, 08, 13, 14, 15, 16, 17, 18, 19, 20
WG2203305	Decachlorobiphenyl	L1693811-11, 12
WG2203305	Tetrachloro-m-xylene	L1693811-10, 11, 12
WG2205702	Decachlorobiphenyl	L1693811-21, 22, 23, 24
WG2206200	Decachlorobiphenyl	L1693811-25

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

Batch	Lab Sample ID	Analytes
WG2205702	(MSD) R4022832-4	Methoxychlor

Polychlorinated Biphenyls (GC) by Method 8082

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2202480	Decachlorobiphenyl	L1693811-04, 05, 06, 07, 08, 14, 15, 16, 18, 19, 20
WG2203305	Decachlorobiphenyl	L1693811-10, 11, 12, 21, 22, 23, 24
WG2203305	Tetrachloro-m-xylene	L1693811-11
WG2206200	Decachlorobiphenyl	L1693811-25
WG2209018	Decachlorobiphenyl	L1693811-03, 13, 17

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

Batch	Lab Sample ID	Analytes
WG2209018	(LCS) R4024316-2, L1693811-03, 13, 17	PCB 1016

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

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG2202487	2,4,6-Tribromophenol	(LCS) R4024453-1, (LCSD) R4024453-2
WG2202487	2-Fluorobiphenyl	(LCSD) R4024453-2
WG2202487	p-Terphenyl-d14	(BLANK) R4024453-3, (LCS) R4024453-1, (LCSD) R4024453-2

Surrogate recovery cannot be used for control limit evaluation due to dilution.

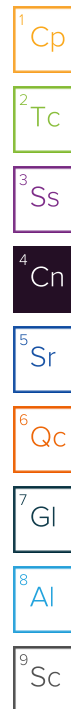
Batch	Analyte	Lab Sample ID
WG2202487	2,4,6-Tribromophenol	L1693811-03, 11, 13, 17
WG2202487	2-Fluorobiphenyl	L1693811-03, 11, 13, 17
WG2202487	2-Fluorophenol	L1693811-03, 11, 13, 17
WG2202487	Nitrobenzene-d5	L1693811-03, 11, 13, 17
WG2202487	Phenol-d5	L1693811-03, 11, 13, 17
WG2202487	p-Terphenyl-d14	L1693811-03, 11, 13, 17

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2202487	Nitrobenzene-d5	L1693811-13
WG2202487	p-Terphenyl-d14	L1693811-03, 10, 11, 13, 16, 17
WG2204132	Phenol-d5	L1693811-25
WG2204132	p-Terphenyl-d14	L1693811-23, 25

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

Batch	Lab Sample ID	Analytes
WG2202487	(LCS) R4025005-1, (LCS) R4024453-1, (LCSD) R4024453-2, L1693811-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20	1,4-Naphthoquinone, Hexachlorocyclopentadiene and p-Phenylenediamine
WG2204132	(LCS) R4024050-1, L1693811-12, 21, 22, 23, 24, 25	1,4-Naphthoquinone and p-Phenylenediamine



CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG2202487	(LCS) R4024453-1, (LCSD) R4024453-2, L1693811-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20	4-Nitrophenol

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

Batch	Lab Sample ID	Analytes
WG2202487	(LCSD) R4024453-2, L1693811-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20	17 analytes

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.54	su
Specific Conductance (on site)	8891	umhos/cm
Temperature (on-site)	13.6	Deg. C
Turbidity (on-site)	4.25	NTU
Dissolved Oxygen (on-site)	6.03	mg/l
eH/ORP (On Site)	-132.1	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	1590		14.1	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	1550		10.0	1	01/09/2024 10:40	WG2202839
Alkalinity,Bicarbonate	1550		10.0	1	01/09/2024 10:40	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 10:40	WG2202839

Sample Narrative:

L1693811-01 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	16.5		0.158	5	01/09/2024 16:03	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.100	1	01/08/2024 19:16	WG2201931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/07/2024 17:17	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:01	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	269		3.00	5	01/06/2024 17:23	WG2202331
Sulfate	ND		5.00	1	01/06/2024 17:10	WG2202331

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	48.7		1.00	1	01/07/2024 22:54	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 16:40	WG2202340

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	01/08/2024 21:19	WG2202599
Barium, Total Recoverable	0.588		0.00500	1	01/08/2024 21:19	WG2202599
Calcium, Total Recoverable	65.7		0.200	1	01/08/2024 21:19	WG2202599
Iron, Total Recoverable	12.1		0.0600	1	01/08/2024 21:19	WG2202599
Potassium, Total Recoverable	22.7		3.00	1	01/08/2024 21:19	WG2202599
Magnesium, Total Recoverable	16.7		0.200	1	01/08/2024 21:19	WG2202599
Manganese, Total Recoverable	0.890		0.00300	1	01/08/2024 21:19	WG2202599
Sodium, Total Recoverable	710		5.00	1	01/08/2024 21:19	WG2202599
Lead, Total Recoverable	ND		0.00500	1	01/08/2024 21:19	WG2202599
Selenium, Total Recoverable	ND		0.0100	1	01/08/2024 21:19	WG2202599
Tin, Total Recoverable	ND		0.100	1	01/08/2024 21:19	WG2202599

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0253		0.00500	1	01/23/2024 17:42	WG2202600
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 17:42	WG2202600
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 17:42	WG2202600
Cobalt, Total Recoverable	0.00671		0.00300	1	01/23/2024 17:42	WG2202600
Chromium, Total Recoverable	0.00658		0.00300	1	01/23/2024 17:42	WG2202600
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 17:42	WG2202600
Nickel, Total Recoverable	0.0500		0.00400	1	01/23/2024 17:42	WG2202600
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 18:50	WG2202600
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 17:42	WG2202600
Vanadium, Total Recoverable	0.00341	J	0.00300	1	01/23/2024 17:42	WG2202600
Zinc, Total Recoverable	0.0185	J	0.00500	1	01/23/2024 17:42	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 11:43	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 11:43	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 11:43	WG2202578
1,2-Dibromoethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 11:43	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 11:43	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 11:43	WG2202578
1,4-Dichlorobenzene	4.36		1.00	1	01/07/2024 11:43	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 11:43	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 11:43	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 11:43	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 11:43	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		11.3	1	01/07/2024 11:43	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 11:43	WG2202578
Acrolein	ND		20.0	1	01/07/2024 11:43	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 11:43	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 11:43	WG2202578
Benzene	7.48		1.00	1	01/07/2024 11:43	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Bromoform	ND		1.00	1	01/07/2024 11:43	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 11:43	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 11:43	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 11:43	WG2202578
Chlorobenzene	1.39		1.00	1	01/07/2024 11:43	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Chloroform	ND		1.00	1	01/10/2024 14:31	WG2203445
Chloromethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 11:43	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 11:43	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 11:43	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 11:43	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 11:43	WG2202578
Isobutanol	ND		110	1	01/07/2024 11:43	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 11:43	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 11:43	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 11:43	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 11:43	WG2202578
Styrene	ND		1.00	1	01/07/2024 11:43	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 11:43	WG2202578
Toluene	ND		1.00	1	01/07/2024 11:43	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 11:43	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 11:43	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 11:43	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 11:43	WG2202578
Xylenes, Total	1.33	J	1.00	1	01/07/2024 11:43	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 11:43	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 11:43	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 11:43	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 11:43	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 11:43	WG2202578
(S) Toluene-d8	107			80.0-120	01/07/2024 11:43	WG2202578
(S) Toluene-d8	105			80.0-120	01/10/2024 14:31	WG2203445
(S) 1,2-Dichloroethane-d4	121			70.0-130	01/07/2024 11:43	WG2202578
(S) 1,2-Dichloroethane-d4	117			70.0-130	01/10/2024 14:31	WG2203445
(S) 4-Bromofluorobenzene	80.6			77.0-126	01/07/2024 11:43	WG2202578
(S) 4-Bromofluorobenzene	89.4			77.0-126	01/10/2024 14:31	WG2203445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-T	ND		1.00	1	01/10/2024 01:44	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 01:44	WG2202503
2,4-D	ND		4.00	1	01/10/2024 01:44	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	85.2			14.0-158	01/10/2024 01:44	WG2202503

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 22:31	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 22:31	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 22:31	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 22:31	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 22:31	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 22:31	WG2202480
Chlordane	ND		0.500	1	01/10/2024 22:31	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 22:31	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 22:31	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 22:31	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 22:31	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 22:31	WG2202480
Endrin	ND		0.0500	1	01/10/2024 22:31	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 22:31	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 22:31	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 22:31	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 22:31	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 22:31	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 22:31	WG2202480
(S) Decachlorobiphenyl	13.0			10.0-128	01/10/2024 22:31	WG2202480
(S) Tetrachloro-m-xylene	41.5			10.0-127	01/10/2024 22:31	WG2202480

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/08/2024 18:10	WG2202480
PCB 1221	ND		1.00	1	01/08/2024 18:10	WG2202480
PCB 1232	ND		1.00	1	01/08/2024 18:10	WG2202480
PCB 1242	ND		1.00	1	01/08/2024 18:10	WG2202480
PCB 1248	ND		1.00	1	01/08/2024 18:10	WG2202480
PCB 1254	ND		1.00	1	01/08/2024 18:10	WG2202480
PCB 1260	ND		1.00	1	01/08/2024 18:10	WG2202480
(S) Decachlorobiphenyl	11.3			10.0-128	01/08/2024 18:10	WG2202480
(S) Tetrachloro-m-xylene	42.6			10.0-127	01/08/2024 18:10	WG2202480

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 15:31	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 15:31	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 01:30	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 01:30	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 01:30	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 01:30	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 15:31	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 15:31	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 15:31	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 15:31	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 15:31	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 15:31	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 15:31	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 15:31	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 01:30	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 15:31	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 01:30	WG2202487

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2-Chloronaphthalene	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 15:31	WG2202487
2-Methylnaphthalene	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 15:31	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 01:30	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 15:31	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 15:31	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 15:31	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 15:31	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 01:30	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 01:30	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 15:31	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 15:31	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 01:30	WG2202487
4-Bromophenyl-phenylether	ND	<u>J3</u>	50.0	1	01/19/2024 15:31	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 15:31	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 15:31	WG2202487
4-Chlorophenyl-phenylether	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 15:31	WG2202487
4-Nitrophenol	ND	<u>J4</u>	50.0	1	01/19/2024 15:31	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 01:30	WG2202487
Acenaphthene	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
Acenaphthylene	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 15:31	WG2202487
Anthracene	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 15:31	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 15:31	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 15:31	WG2202487
Bis(2-chlorethoxy)methane	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 15:31	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 01:30	WG2202487
Chrysene	ND		10.0	1	01/19/2024 15:31	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 15:31	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 15:31	WG2202487
Diallate	ND		20.0	1	01/21/2024 01:30	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 15:31	WG2202487
Dibenzofuran	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 15:31	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 01:30	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 15:31	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 01:30	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 01:30	WG2202487
Diphenylamine	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 01:30	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 01:30	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 01:30	WG2202487
Famphur	ND		200	1	01/21/2024 01:30	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 15:31	WG2202487
Fluorene	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 15:31	WG2202487
Hexachlorobenzene	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Hexachlorocyclopentadiene	ND	<u>J3 J4</u>	50.0	1	01/19/2024 15:31	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 15:31	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 01:30	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 15:31	WG2202487
Isodrin	ND		10.0	1	01/21/2024 01:30	WG2202487
Isophorone	ND		10.0	1	01/19/2024 15:31	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 01:30	WG2202487
Kepone	ND		1.88	1	01/21/2024 01:30	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 01:30	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 01:30	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 01:30	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 15:31	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 15:31	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 01:30	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 01:30	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 01:30	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 01:30	WG2202487
Pentachlorophenol	ND	<u>J3</u>	50.0	1	01/19/2024 15:31	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 01:30	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 15:31	WG2202487
Phenol	ND		10.0	1	01/19/2024 15:31	WG2202487
Phorate	ND		50.0	1	01/21/2024 01:30	WG2202487
Pronamide	ND		20.0	1	01/21/2024 01:30	WG2202487
Pyrene	ND		10.0	1	01/19/2024 15:31	WG2202487
Safrole	ND		50.0	1	01/21/2024 01:30	WG2202487
Thionazin	ND		10.0	1	01/21/2024 01:30	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 01:30	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 15:31	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 01:30	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 15:31	WG2202487
n-Nitrosodiphenylamine	ND	<u>J3</u>	10.0	1	01/19/2024 15:31	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 01:30	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 01:30	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 01:30	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 01:30	WG2202487
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/21/2024 01:30	WG2202487
(S) 2-Fluorophenol	21.6			10.0-120	01/19/2024 15:31	WG2202487
(S) 2,4,6-Tribromophenol	54.8			10.0-155	01/19/2024 15:31	WG2202487
(S) p-Terphenyl-d14	47.8			10.0-128	01/19/2024 15:31	WG2202487
(S) Phenol-d5	18.4			10.0-120	01/19/2024 15:31	WG2202487
(S) 2-Fluorobiphenyl	46.5			10.0-130	01/19/2024 15:31	WG2202487
(S) Nitrobenzene-d5	50.7			10.0-127	01/19/2024 15:31	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.54	su
Specific Conductance (on site)	7462	umhos/cm
Temperature (on-site)	7.9	Deg. C
Turbidity (on-site)	2.56	NTU
Dissolved Oxygen (on-site)	5.54	mg/l
eH/ORP (On Site)	-126.5	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	1530		14.1	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	997		10.0	1	01/09/2024 10:44	WG2202839
Alkalinity,Bicarbonate	997		10.0	1	01/09/2024 10:44	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 10:44	WG2202839

Sample Narrative:

L1693811-02 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	7.40		0.100	1	01/09/2024 15:12	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/08/2024 19:18	WG2201931

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/07/2024 17:17	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:03	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	382		3.00	5	01/06/2024 17:49	WG2202331
Sulfate	ND		5.00	1	01/06/2024 17:36	WG2202331

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	52.2		1.00	2	01/09/2024 11:52	WG2203177

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 16:42	WG2202340

Metals (ICP) by Method 6010B

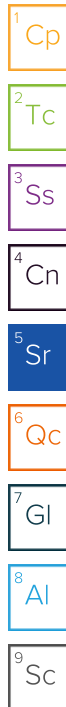
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	01/08/2024 21:28	WG2202599
Barium, Total Recoverable	0.612		0.00500	1	01/08/2024 21:28	WG2202599
Calcium, Total Recoverable	91.9		0.200	1	01/08/2024 21:28	WG2202599
Iron, Total Recoverable	36.5		0.0600	1	01/08/2024 21:28	WG2202599
Potassium, Total Recoverable	13.3		3.00	1	01/08/2024 21:28	WG2202599
Magnesium, Total Recoverable	13.4		0.200	1	01/08/2024 21:28	WG2202599
Manganese, Total Recoverable	2.69		0.00300	1	01/08/2024 21:28	WG2202599
Sodium, Total Recoverable	529		5.00	1	01/08/2024 21:28	WG2202599
Lead, Total Recoverable	0.00849		0.00500	1	01/08/2024 21:28	WG2202599
Selenium, Total Recoverable	ND		0.0100	1	01/08/2024 21:28	WG2202599
Tin, Total Recoverable	ND		0.100	1	01/08/2024 21:28	WG2202599

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.00591		0.00500	1	01/23/2024 17:45	WG2202600
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 17:45	WG2202600
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 17:45	WG2202600
Cobalt, Total Recoverable	0.0131		0.00300	1	01/23/2024 17:45	WG2202600
Chromium, Total Recoverable	0.00746		0.00300	1	01/23/2024 17:45	WG2202600
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 17:45	WG2202600
Nickel, Total Recoverable	0.0600		0.00400	1	01/23/2024 17:45	WG2202600
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 17:45	WG2202600
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 17:45	WG2202600
Vanadium, Total Recoverable	0.00565		0.00300	1	01/23/2024 17:45	WG2202600
Zinc, Total Recoverable	0.0291		0.00500	1	01/23/2024 17:45	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 12:03	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 12:03	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 12:03	WG2202578
1,2-Dibromoethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 12:03	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 12:03	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 12:03	WG2202578
1,4-Dichlorobenzene	1.32		1.00	1	01/07/2024 12:03	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 12:03	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 12:03	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 12:03	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 12:03	WG2202578



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		11.3	1	01/07/2024 12:03	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 12:03	WG2202578
Acrolein	ND		20.0	1	01/07/2024 12:03	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 12:03	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 12:03	WG2202578
Benzene	2.48		1.00	1	01/07/2024 12:03	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Bromoform	ND		1.00	1	01/07/2024 12:03	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 12:03	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 12:03	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 12:03	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 12:03	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Chloroform	ND		1.00	1	01/10/2024 14:52	WG2203445
Chloromethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 12:03	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 12:03	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 12:03	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 12:03	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 12:03	WG2202578
Isobutanol	ND		110	1	01/07/2024 12:03	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 12:03	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 12:03	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 12:03	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 12:03	WG2202578
Styrene	ND		1.00	1	01/07/2024 12:03	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 12:03	WG2202578
Toluene	ND		1.00	1	01/07/2024 12:03	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 12:03	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 12:03	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 12:03	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 12:03	WG2202578
Xylenes, Total	ND		1.00	1	01/07/2024 12:03	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 12:03	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 12:03	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 12:03	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 12:03	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 12:03	WG2202578
(S) Toluene-d8	106			80.0-120	01/07/2024 12:03	WG2202578
(S) Toluene-d8	109			80.0-120	01/10/2024 14:52	WG2203445
(S) 1,2-Dichloroethane-d4	122			70.0-130	01/07/2024 12:03	WG2202578
(S) 1,2-Dichloroethane-d4	118			70.0-130	01/10/2024 14:52	WG2203445
(S) 4-Bromofluorobenzene	89.5			77.0-126	01/07/2024 12:03	WG2202578
(S) 4-Bromofluorobenzene	88.8			77.0-126	01/10/2024 14:52	WG2203445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 01:55	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 01:55	WG2202503
2,4-D	ND		4.00	1	01/10/2024 01:55	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	71.4			14.0-158	01/10/2024 01:55	WG2202503

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 22:41	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 22:41	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 22:41	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 22:41	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 22:41	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 22:41	WG2202480
Chlordane	ND		0.500	1	01/10/2024 22:41	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 22:41	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 22:41	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 22:41	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 22:41	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 22:41	WG2202480
Endrin	ND		0.0500	1	01/10/2024 22:41	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 22:41	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 22:41	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 22:41	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 22:41	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 22:41	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 22:41	WG2202480
(S) Decachlorobiphenyl	10.3			10.0-128	01/10/2024 22:41	WG2202480
(S) Tetrachloro-m-xylene	42.1			10.0-127	01/10/2024 22:41	WG2202480

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/08/2024 18:19	WG2202480
PCB 1221	ND		1.00	1	01/08/2024 18:19	WG2202480
PCB 1232	ND		1.00	1	01/08/2024 18:19	WG2202480
PCB 1242	ND		1.00	1	01/08/2024 18:19	WG2202480
PCB 1248	ND		1.00	1	01/08/2024 18:19	WG2202480
PCB 1254	ND		1.00	1	01/08/2024 18:19	WG2202480
PCB 1260	ND		1.00	1	01/08/2024 18:19	WG2202480
(S) Decachlorobiphenyl	10.1			10.0-128	01/08/2024 18:19	WG2202480
(S) Tetrachloro-m-xylene	44.0			10.0-127	01/08/2024 18:19	WG2202480

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 15:53	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 15:53	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 01:48	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 01:48	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 01:48	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 01:48	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 15:53	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 15:53	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 15:53	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 15:53	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 15:53	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 15:53	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 15:53	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 15:53	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 01:48	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 15:53	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 01:48	WG2202487

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2-Chloronaphthalene	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 15:53	WG2202487
2-Methylnaphthalene	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 15:53	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 01:48	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 15:53	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 15:53	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 15:53	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 15:53	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 01:48	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 01:48	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 15:53	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 15:53	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 01:48	WG2202487
4-Bromophenyl-phenylether	ND	<u>J3</u>	50.0	1	01/19/2024 15:53	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 15:53	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 15:53	WG2202487
4-Chlorophenyl-phenylether	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 15:53	WG2202487
4-Nitrophenol	ND	<u>J4</u>	50.0	1	01/19/2024 15:53	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 01:48	WG2202487
Acenaphthene	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
Acenaphthylene	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 15:53	WG2202487
Anthracene	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 15:53	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 15:53	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 15:53	WG2202487
Bis(2-chlorethoxy)methane	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 15:53	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 01:48	WG2202487
Chrysene	ND		10.0	1	01/19/2024 15:53	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 15:53	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 15:53	WG2202487
Diallate	ND		20.0	1	01/21/2024 01:48	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 15:53	WG2202487
Dibenzofuran	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 15:53	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 01:48	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 15:53	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 01:48	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 01:48	WG2202487
Diphenylamine	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 01:48	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 01:48	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 01:48	WG2202487
Famphur	ND		200	1	01/21/2024 01:48	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 15:53	WG2202487
Fluorene	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 15:53	WG2202487
Hexachlorobenzene	ND	<u>J3</u>	10.0	1	01/19/2024 15:53	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 15:53	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 15:53	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 01:48	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 15:53	WG2202487
Isodrin	ND		10.0	1	01/21/2024 01:48	WG2202487
Isophorone	ND		10.0	1	01/19/2024 15:53	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 01:48	WG2202487
Kepone	ND		1.88	1	01/21/2024 01:48	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 01:48	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 01:48	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 01:48	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 15:53	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 15:53	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 01:48	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 01:48	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 01:48	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 01:48	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 15:53	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 01:48	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 15:53	WG2202487
Phenol	ND		10.0	1	01/19/2024 15:53	WG2202487
Phorate	ND		50.0	1	01/21/2024 01:48	WG2202487
Pronamide	ND		20.0	1	01/21/2024 01:48	WG2202487
Pyrene	ND		10.0	1	01/19/2024 15:53	WG2202487
Safrole	ND		50.0	1	01/21/2024 01:48	WG2202487
Thionazin	ND		10.0	1	01/21/2024 01:48	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 01:48	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 15:53	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 01:48	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 15:53	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 15:53	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 01:48	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 01:48	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 01:48	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 01:48	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 01:48	WG2202487
(S) 2-Fluorophenol	32.0			10.0-120	01/19/2024 15:53	WG2202487
(S) 2,4,6-Tribromophenol	113			10.0-155	01/19/2024 15:53	WG2202487
(S) p-Terphenyl-d14	82.6			10.0-128	01/19/2024 15:53	WG2202487
(S) Phenol-d5	28.2			10.0-120	01/19/2024 15:53	WG2202487
(S) 2-Fluorobiphenyl	74.1			10.0-130	01/19/2024 15:53	WG2202487
(S) Nitrobenzene-d5	67.4			10.0-127	01/19/2024 15:53	WG2202487

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)	7.8	su
Specific Conductance (on site)	27584	umhos/cm
Temperature (on-site)	17.2	Deg. C
Turbidity (on-site)	132.55	NTU
Dissolved Oxygen (on-site)	6.82	mg/l
eH/ORP (On Site)	-122.6	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	10300		113	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	13100		10.0	1	01/09/2024 10:49	WG2202839
Alkalinity,Bicarbonate	13100		10.0	1	01/09/2024 10:49	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 10:49	WG2202839

Sample Narrative:

L1693811-03 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	3090		63.4	2000	01/09/2024 16:08	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 19:24	WG2201931

Sample Narrative:

L1693811-03 WG2201931: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	20	01/07/2024 17:40	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:05	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	3930		5.19	100	01/06/2024 18:02	WG2202331
Sulfate	23.0	J	7.74	100	01/06/2024 18:02	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-03 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

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

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1890		10.2	100	01/07/2024 23:42	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 16:49	WG2202340

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	4.5	01/08/2024 21:31	WG2202599
Barium, Total Recoverable	0.638		0.00765	4.5	01/08/2024 21:31	WG2202599
Calcium, Total Recoverable	32.4		0.208	4.5	01/08/2024 21:31	WG2202599
Iron, Total Recoverable	16.5		0.0634	4.5	01/08/2024 21:31	WG2202599
Potassium, Total Recoverable	714		3.00	4.5	01/08/2024 21:31	WG2202599
Magnesium, Total Recoverable	18.6		0.200	4.5	01/08/2024 21:31	WG2202599
Manganese, Total Recoverable	0.246		0.00540	4.5	01/08/2024 21:31	WG2202599
Sodium, Total Recoverable	2890		5.00	4.5	01/08/2024 21:31	WG2202599
Lead, Total Recoverable	0.0322		0.00855	4.5	01/08/2024 21:31	WG2202599
Selenium, Total Recoverable	0.0515		0.0333	4.5	01/08/2024 21:31	WG2202599
Tin, Total Recoverable	0.234		0.100	4.5	01/08/2024 21:31	WG2202599

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.377		0.00500	5	01/23/2024 17:48	WG2202600
Beryllium, Total Recoverable	ND		0.00100	5	01/23/2024 17:48	WG2202600
Cadmium, Total Recoverable	ND		0.00100	5	01/23/2024 17:48	WG2202600
Cobalt, Total Recoverable	0.100		0.00300	5	01/23/2024 17:48	WG2202600
Chromium, Total Recoverable	0.216		0.00300	5	01/23/2024 17:48	WG2202600
Copper, Total Recoverable	0.0322		0.00400	5	01/23/2024 17:48	WG2202600
Nickel, Total Recoverable	0.324		0.00400	5	01/23/2024 17:48	WG2202600
Antimony, Total Recoverable	0.299		0.00377	5	01/23/2024 18:53	WG2202600
Thallium, Total Recoverable	ND		0.00100	5	01/23/2024 17:48	WG2202600
Vanadium, Total Recoverable	0.112		0.00300	5	01/23/2024 17:48	WG2202600
Zinc, Total Recoverable	0.175		0.0128	5	01/23/2024 17:48	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 12:24	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 12:24	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 12:24	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 12:24	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 12:24	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 12:24	WG2202578
1,4-Dichlorobenzene	3.14		1.00	1	01/07/2024 12:24	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 12:24	WG2202578
2-Butanone (MEK)	942		25.6	20	01/10/2024 16:14	WG2203445
2-Hexanone	15.4		5.00	1	01/07/2024 12:24	WG2202578
4-Methyl-2-pentanone (MIBK)	47.5		5.00	1	01/07/2024 12:24	WG2202578
Acetone	2140		21.0	20	01/10/2024 16:14	WG2203445
Acetonitrile	104		30.0	1	01/07/2024 12:24	WG2202578
Acrolein	ND		20.0	1	01/07/2024 12:24	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 12:24	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 12:24	WG2202578
Benzene	2.81		1.00	1	01/07/2024 12:24	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Bromoform	ND		1.00	1	01/07/2024 12:24	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 12:24	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 12:24	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 12:24	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 12:24	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Chloroform	ND		1.00	1	01/07/2024 12:24	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 12:24	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 12:24	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 12:24	WG2202578
Ethylbenzene	5.59		1.00	1	01/07/2024 12:24	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 12:24	WG2202578
Isobutanol	ND		110	1	01/07/2024 12:24	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 12:24	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 12:24	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 12:24	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 12:24	WG2202578
Styrene	ND		1.00	1	01/07/2024 12:24	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 12:24	WG2202578
Toluene	14.1		1.00	1	01/07/2024 12:24	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 12:24	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 12:24	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 12:24	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 12:24	WG2202578
Xylenes, Total	10.5		1.00	1	01/07/2024 12:24	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 12:24	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 12:24	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 12:24	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 12:24	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 12:24	WG2202578
(S) Toluene-d8	109			80.0-120	01/07/2024 12:24	WG2202578
(S) Toluene-d8	104			80.0-120	01/10/2024 16:14	WG2203445
(S) 1,2-Dichloroethane-d4	118			70.0-130	01/07/2024 12:24	WG2202578
(S) 1,2-Dichloroethane-d4	113			70.0-130	01/10/2024 16:14	WG2203445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
(S) 4-Bromofluorobenzene	95.8			77.0-126	01/07/2024 12:24	WG2202578
(S) 4-Bromofluorobenzene	85.8			77.0-126	01/10/2024 16:14	WG2203445

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		16.9	20	01/12/2024 03:42	WG2202503
2,4,5-Tp (Silvex)	ND		16.9	20	01/12/2024 03:42	WG2202503
2,4-D	ND		14.9	20	01/12/2024 03:42	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	0.000	<u>J7</u>		14.0-158	01/12/2024 03:42	WG2202503

Sample Narrative:

L1693811-03 WG2202503: Dilution and surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 23:53	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 23:53	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 23:53	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 23:53	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 23:53	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 23:53	WG2202480
Chlordane	ND		0.500	1	01/10/2024 23:53	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 23:53	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 23:53	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 23:53	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 23:53	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 23:53	WG2202480
Endrin	ND		0.0500	1	01/10/2024 23:53	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 23:53	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 23:53	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 23:53	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 23:53	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 23:53	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 23:53	WG2202480
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/10/2024 23:53	WG2202480
(S) Tetrachloro-m-xylene	70.8			10.0-127	01/10/2024 23:53	WG2202480

Sample Narrative:

L1693811-03 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND	<u>J4</u>	1.00	2	01/19/2024 00:29	WG2209018
PCB 1221	ND		1.00	2	01/19/2024 00:29	WG2209018
PCB 1232	ND		1.00	2	01/19/2024 00:29	WG2209018
PCB 1242	ND		1.00	2	01/19/2024 00:29	WG2209018
PCB 1248	ND		1.00	2	01/19/2024 00:29	WG2209018
PCB 1254	ND		1.00	2	01/19/2024 00:29	WG2209018
PCB 1260	ND		1.00	2	01/19/2024 00:29	WG2209018
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/19/2024 00:29	WG2209018
(S) Tetrachloro-m-xylene	19.2			10.0-127	01/19/2024 00:29	WG2209018

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1693811-03 WG2209018: Dilution due to sulfur cleanup.

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/19/2024 18:26	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	5	01/19/2024 18:26	WG2202487
1,3,5-Trinitrobenzene	ND		66.0	50	01/25/2024 02:34	WG2202487
1,3-Dinitrobenzene	ND		18.0	50	01/25/2024 02:34	WG2202487
1,4-Naphthoquinone	ND	J4	278	50	01/25/2024 02:34	WG2202487
1-Naphthylamine	ND		14.4	50	01/25/2024 02:34	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		22.2	50	01/24/2024 15:43	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	5	01/19/2024 18:26	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
2,4-Dichlorophenol	ND		10.0	5	01/19/2024 18:26	WG2202487
2,4-Dimethylphenol	ND		10.0	5	01/19/2024 18:26	WG2202487
2,4-Dinitrophenol	ND		50.0	5	01/19/2024 18:26	WG2202487
2,4-Dinitrotoluene	ND		10.0	5	01/19/2024 18:26	WG2202487
2,6-Dichlorophenol	ND		138	50	01/25/2024 02:34	WG2202487
2,6-Dinitrotoluene	ND		10.0	5	01/19/2024 18:26	WG2202487
2-Acetylaminofluorene	ND		100	50	01/25/2024 02:34	WG2202487
2-Chloronaphthalene	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
2-Chlorophenol	ND		14.1	50	01/24/2024 15:43	WG2202487
2-Methylnaphthalene	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
2-Methylphenol	17.8	J	15.6	50	01/24/2024 15:43	WG2202487
2-Naphthylamine	ND		10.0	50	01/25/2024 02:34	WG2202487
2-Nitroaniline	ND		50.0	5	01/19/2024 18:26	WG2202487
2-Nitrophenol	ND		10.0	5	01/19/2024 18:26	WG2202487
3&4-Methyl Phenol	78.6	J	13.3	50	01/24/2024 15:43	WG2202487
3,3-Dichlorobenzidine	ND		50.0	5	01/19/2024 18:26	WG2202487
3,3-Dimethylbenzidine	ND		169	50	01/25/2024 02:34	WG2202487
3-Methylcholanthrene	ND		20.0	50	01/25/2024 02:34	WG2202487
3-Nitroaniline	ND		50.0	5	01/19/2024 18:26	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/19/2024 18:26	WG2202487
4-Aminobiphenyl	ND		23.0	50	01/25/2024 02:34	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	5	01/19/2024 18:26	WG2202487
4-Chloro-3-methylphenol	ND		10.0	5	01/19/2024 18:26	WG2202487
4-Chloroaniline	ND		10.0	5	01/19/2024 18:26	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
4-Nitroaniline	ND		50.0	5	01/19/2024 18:26	WG2202487
4-Nitrophenol	ND	J4	50.0	5	01/19/2024 18:26	WG2202487
5-Nitro-o-toluidine	ND		99.5	50	01/25/2024 02:34	WG2202487
Acenaphthene	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Acenaphthylene	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Acetophenone	ND		136	50	01/24/2024 15:43	WG2202487
Anthracene	ND		10.0	5	01/19/2024 18:26	WG2202487
Benzo(A)Anthracene	ND		10.0	5	01/19/2024 18:26	WG2202487
Benzo(a)pyrene	ND		10.0	5	01/19/2024 18:26	WG2202487
Benzo(b)fluoranthene	ND		10.0	5	01/19/2024 18:26	WG2202487
Benzo(g,h,i)perylene	ND		10.0	5	01/19/2024 18:26	WG2202487
Benzo(k)fluoranthene	ND		10.0	5	01/19/2024 18:26	WG2202487
Benzyl Alcohol	ND		19.7	50	01/24/2024 15:43	WG2202487
Benzylbutyl phthalate	ND		10.0	5	01/19/2024 18:26	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/19/2024 18:26	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Bis(2-chloroethyl)ether	ND		81.0	50	01/24/2024 15:43	WG2202487
Chlorobenzilate	ND		66.5	50	01/25/2024 02:34	WG2202487
Chrysene	ND		10.0	5	01/19/2024 18:26	WG2202487
Di-n-butyl phthalate	ND		10.0	5	01/19/2024 18:26	WG2202487
Di-n-octyl phthalate	ND		10.0	5	01/19/2024 18:26	WG2202487
Diallate	ND		26.2	50	01/25/2024 02:34	WG2202487
Dibenz(a,h)anthracene	ND		20.0	5	01/19/2024 18:26	WG2202487
Dibenzofuran	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Diethyl phthalate	ND		10.0	5	01/19/2024 18:26	WG2202487
Dimethoate	ND		72.0	50	01/25/2024 02:34	WG2202487
Dimethyl phthalate	ND		10.0	5	01/19/2024 18:26	WG2202487
Dimethylbenz (A) Anthracene	ND		85.5	50	01/25/2024 02:34	WG2202487
Dinoseb	ND		895	50	01/25/2024 02:34	WG2202487
Diphenylamine	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Disulfoton	ND		50.0	50	01/25/2024 02:34	WG2202487
Ethyl methanesulfonate	ND		16.3	50	01/25/2024 02:34	WG2202487
Ethyl parathion	ND		50.0	50	01/25/2024 02:34	WG2202487
Famphur	ND		200	50	01/25/2024 02:34	WG2202487
Fluoranthene	ND		1.55	5	01/19/2024 18:26	WG2202487
Fluorene	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	5	01/19/2024 18:26	WG2202487
Hexachlorobenzene	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	5	01/19/2024 18:26	WG2202487
Hexachloroethane	ND		18.3	50	01/24/2024 15:43	WG2202487
Hexachloropropene	ND		100	50	01/25/2024 02:34	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/19/2024 18:26	WG2202487
Isodrin	ND		14.7	50	01/25/2024 02:34	WG2202487
Isophorone	ND		10.0	5	01/19/2024 18:26	WG2202487
Isosafrole	ND		20.5	50	01/25/2024 02:34	WG2202487
Kepone	ND		94.0	50	01/25/2024 02:34	WG2202487
Methapyrilene	ND		213	50	01/25/2024 02:34	WG2202487
Methyl methanesulfonate	ND		50.0	50	01/25/2024 02:34	WG2202487
Methyl parathion	ND		10.7	50	01/25/2024 02:34	WG2202487
Naphthalene	ND		10.0	5	01/19/2024 18:26	WG2202487
Nitrobenzene	ND		10.0	5	01/19/2024 18:26	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	50	01/25/2024 02:34	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	50	01/25/2024 02:34	WG2202487
Pentachlorobenzene	ND		18.5	50	01/25/2024 02:34	WG2202487
Pentachloronitrobenzene	ND		50.0	50	01/25/2024 02:34	WG2202487
Pentachlorophenol	ND	J3	50.0	5	01/19/2024 18:26	WG2202487
Phenacetin	ND		13.1	50	01/25/2024 02:34	WG2202487
Phenanthrene	ND		20.0	5	01/19/2024 18:26	WG2202487
Phenol	605		16.7	50	01/24/2024 15:43	WG2202487
Phorate	ND		50.0	50	01/25/2024 02:34	WG2202487
Pronamide	ND		20.0	50	01/25/2024 02:34	WG2202487
Pyrene	ND		10.0	5	01/19/2024 18:26	WG2202487
Safrole	ND		50.0	50	01/25/2024 02:34	WG2202487
Thionazin	ND		10.2	50	01/25/2024 02:34	WG2202487
n-Nitrosodi-n-butylamine	ND		16.6	50	01/25/2024 02:34	WG2202487
n-Nitrosodi-n-propylamine	ND		20.1	50	01/24/2024 15:43	WG2202487
n-Nitrosodiethylamine	ND		24.9	50	01/25/2024 02:34	WG2202487
n-Nitrosodimethylamine	ND		63.0	50	01/24/2024 15:43	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	5	01/19/2024 18:26	WG2202487
n-Nitrosomethylethylamine	ND		85.5	50	01/25/2024 02:34	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
n-Nitrosopiperidine	ND		13.4	50	01/25/2024 02:34	WG2202487
n-Nitrosopyrrolidine	ND		128	50	01/25/2024 02:34	WG2202487
o-Toluidine	41.3	<u>J</u>	18.1	50	01/25/2024 02:34	WG2202487
p-Phenylenediamine	ND	<u>J4</u>	19400	50	01/25/2024 02:34	WG2202487
(S) 2-Fluorophenol	23.3	<u>J7</u>		10.0-120	01/24/2024 15:43	WG2202487
(S) 2-Fluorophenol	29.9			10.0-120	01/19/2024 18:26	WG2202487
(S) 2,4,6-Tribromophenol	80.0			10.0-155	01/19/2024 18:26	WG2202487
(S) 2,4,6-Tribromophenol	47.4	<u>J7</u>		10.0-155	01/24/2024 15:43	WG2202487
(S) p-Terphenyl-d14	6.56	<u>J7</u>		10.0-128	01/24/2024 15:43	WG2202487
(S) p-Terphenyl-d14	6.30	<u>J2</u>		10.0-128	01/19/2024 18:26	WG2202487
(S) Phenol-d5	38.8	<u>J7</u>		10.0-120	01/24/2024 15:43	WG2202487
(S) Phenol-d5	36.3			10.0-120	01/19/2024 18:26	WG2202487
(S) 2-Fluorobiphenyl	29.6			10.0-130	01/19/2024 18:26	WG2202487
(S) 2-Fluorobiphenyl	25.5	<u>J7</u>		10.0-130	01/24/2024 15:43	WG2202487
(S) Nitrobenzene-d5	43.6			10.0-127	01/19/2024 18:26	WG2202487
(S) Nitrobenzene-d5	142	<u>J7</u>		10.0-127	01/24/2024 15:43	WG2202487

Sample Narrative:

L1693811-03 WG2202487: Dilution and surrogate failure due to matrix interference.

L1693811-03 WG2202487: IS/SURR failed on lower dilution.

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)	7.09	su
Specific Conductance (on site)	30728	umhos/cm
Temperature (on-site)	25.7	Deg. C
Turbidity (on-site)	13.61	NTU
Dissolved Oxygen (on-site)	2.13	mg/l
eH/ORP (On Site)	-217.1	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	4360		56.4	1	01/08/2024 14:00	WG2202559

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	7680		10.0	1	01/09/2024 10:57	WG2202839
Alkalinity,Bicarbonate	7680		10.0	1	01/09/2024 10:57	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 10:57	WG2202839

Sample Narrative:

L1693811-04 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	1050		6.34	200	01/09/2024 16:09	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	0.251	J	0.197	10	01/08/2024 19:42	WG2202378

Sample Narrative:

L1693811-04 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/07/2024 17:40	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:09	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1050		5.19	100	01/06/2024 18:15	WG2202331
Sulfate	42.0	J	7.74	100	01/06/2024 18:15	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-04 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	491		10.2	100	01/08/2024 00:02	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000490	10	01/08/2024 16:52	WG2202340

Metals (ICP) by Method 6010B

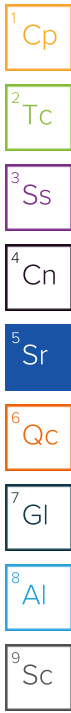
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	4.5	01/08/2024 21:34	WG2202599
Barium,Total Recoverable	1.83		0.00765	4.5	01/08/2024 21:34	WG2202599
Calcium, Total Recoverable	26.7		0.208	4.5	01/08/2024 21:34	WG2202599
Iron, Total Recoverable	13.7		0.0634	4.5	01/08/2024 21:34	WG2202599
Potassium, Total Recoverable	275		3.00	4.5	01/08/2024 21:34	WG2202599
Magnesium, Total Recoverable	37.0		0.200	4.5	01/08/2024 21:34	WG2202599
Manganese,Total Recoverable	0.374		0.00540	4.5	01/08/2024 21:34	WG2202599
Sodium,Total Recoverable	1780		5.00	4.5	01/08/2024 21:34	WG2202599
Lead, Total Recoverable	0.0183	J	0.00855	4.5	01/08/2024 21:34	WG2202599
Selenium, Total Recoverable	ND		0.0333	4.5	01/08/2024 21:34	WG2202599
Tin, Total Recoverable	0.378		0.100	4.5	01/08/2024 21:34	WG2202599

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.159		0.00500	5	01/23/2024 17:52	WG2202600
Beryllium, Total Recoverable	ND		0.00100	5	01/23/2024 17:52	WG2202600
Cadmium, Total Recoverable	ND		0.00100	5	01/23/2024 17:52	WG2202600
Cobalt,Total Recoverable	0.0517		0.00300	5	01/23/2024 17:52	WG2202600
Chromium, Total Recoverable	0.135		0.00300	5	01/23/2024 17:52	WG2202600
Copper, Total Recoverable	0.00649	J	0.00400	5	01/23/2024 17:52	WG2202600
Nickel, Total Recoverable	0.252		0.00400	5	01/23/2024 17:52	WG2202600
Antimony, Total Recoverable	0.00847	J	0.00377	5	01/23/2024 17:52	WG2202600
Thallium, Total Recoverable	ND		0.00100	5	01/23/2024 17:52	WG2202600
Vanadium,Total Recoverable	0.104		0.00300	5	01/23/2024 17:52	WG2202600
Zinc, Total Recoverable	0.0781	J	0.0128	5	01/23/2024 17:52	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 12:44	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 12:44	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 12:44	WG2202578



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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 12:44	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 12:44	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 12:44	WG2202578
1,4-Dichlorobenzene	ND		1.00	1	01/07/2024 12:44	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 12:44	WG2202578
2-Butanone (MEK)	7.38		5.00	1	01/10/2024 15:13	WG2203445
2-Hexanone	ND		5.00	1	01/07/2024 12:44	WG2202578
4-Methyl-2-pentanone (MIBK)	5.24		5.00	1	01/07/2024 12:44	WG2202578
Acetone	19.2	J4	11.3	1	01/10/2024 15:13	WG2203445
Acetonitrile	30.7	J4	30.0	1	01/07/2024 12:44	WG2202578
Acrolein	ND		20.0	1	01/07/2024 12:44	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 12:44	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 12:44	WG2202578
Benzene	1.68		1.00	1	01/07/2024 12:44	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Bromoform	ND		1.00	1	01/07/2024 12:44	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 12:44	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 12:44	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 12:44	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 12:44	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Chloroform	ND		1.00	1	01/07/2024 12:44	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 12:44	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 12:44	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 12:44	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 12:44	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 12:44	WG2202578
Isobutanol	ND		110	1	01/07/2024 12:44	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 12:44	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 12:44	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 12:44	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 12:44	WG2202578
Styrene	ND		1.00	1	01/07/2024 12:44	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 12:44	WG2202578
Toluene	1.31		1.00	1	01/07/2024 12:44	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 12:44	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 12:44	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 12:44	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 12:44	WG2202578
Xylenes, Total	ND		1.00	1	01/07/2024 12:44	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 12:44	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 12:44	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 12:44	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 12:44	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 12:44	WG2202578
(S) Toluene-d8	114			80.0-120	01/07/2024 12:44	WG2202578
(S) Toluene-d8	107			80.0-120	01/10/2024 15:13	WG2203445
(S) 1,2-Dichloroethane-d4	113			70.0-130	01/07/2024 12:44	WG2202578
(S) 1,2-Dichloroethane-d4	120			70.0-130	01/10/2024 15:13	WG2203445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
(S) 4-Bromofluorobenzene	92.3			77.0-126	01/07/2024 12:44	WG2202578
(S) 4-Bromofluorobenzene	92.9			77.0-126	01/10/2024 15:13	WG2203445

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 02:15	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 02:15	WG2202503
2,4-D	ND		4.00	1	01/10/2024 02:15	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	52.0			14.0-158	01/10/2024 02:15	WG2202503

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 00:03	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 00:03	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 00:03	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 00:03	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 00:03	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 00:03	WG2202480
Chlordane	ND		0.500	1	01/11/2024 00:03	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 00:03	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 00:03	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 00:03	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 00:03	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 00:03	WG2202480
Endrin	ND		0.0500	1	01/11/2024 00:03	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 00:03	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 00:03	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 00:03	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 00:03	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 00:03	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 00:03	WG2202480
(S) Decachlorobiphenyl	7.62	<u>J2</u>		10.0-128	01/11/2024 00:03	WG2202480
(S) Tetrachloro-m-xylene	34.0			10.0-127	01/11/2024 00:03	WG2202480

Sample Narrative:

L1693811-04 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 00:03	WG2202480
PCB 1221	ND		1.00	1	01/11/2024 00:03	WG2202480
PCB 1232	ND		1.00	1	01/11/2024 00:03	WG2202480
PCB 1242	ND		1.00	1	01/11/2024 00:03	WG2202480
PCB 1248	ND		1.00	1	01/11/2024 00:03	WG2202480
PCB 1254	ND		1.00	1	01/11/2024 00:03	WG2202480
PCB 1260	ND		1.00	1	01/11/2024 00:03	WG2202480
(S) Decachlorobiphenyl	0.595	<u>J2</u>		10.0-128	01/11/2024 00:03	WG2202480
(S) Tetrachloro-m-xylene	27.8			10.0-127	01/11/2024 00:03	WG2202480

Sample Narrative:

L1693811-04 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 12:37	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 12:37	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/20/2024 23:12	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/20/2024 23:12	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/20/2024 23:12	WG2202487
1-Naphthylamine	ND		10.0	1	01/20/2024 23:12	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 12:37	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 12:37	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 12:37	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 12:37	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 12:37	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 12:37	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/20/2024 23:12	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 12:37	WG2202487
2-Acetylaminofluorene	ND		100	1	01/20/2024 23:12	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 12:37	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 12:37	WG2202487
2-Naphthylamine	ND		10.0	1	01/20/2024 23:12	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 12:37	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 12:37	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 12:37	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 12:37	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/20/2024 23:12	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/20/2024 23:12	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 12:37	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 12:37	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/20/2024 23:12	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 12:37	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 12:37	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 12:37	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 12:37	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 12:37	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/20/2024 23:12	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 12:37	WG2202487
Anthracene	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 12:37	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 12:37	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 12:37	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 12:37	WG2202487
Chlorobenzilate	ND		10.0	1	01/20/2024 23:12	WG2202487
Chrysene	ND		10.0	1	01/19/2024 12:37	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 12:37	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 12:37	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/20/2024 23:12	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 12:37	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 12:37	WG2202487
Dimethoate	ND		20.0	1	01/20/2024 23:12	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 12:37	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/20/2024 23:12	WG2202487
Dinoseb	ND		17.9	1	01/20/2024 23:12	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Disulfoton	ND		50.0	1	01/20/2024 23:12	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/20/2024 23:12	WG2202487
Ethyl parathion	ND		50.0	1	01/20/2024 23:12	WG2202487
Famphur	ND		200	1	01/20/2024 23:12	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 12:37	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 12:37	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 12:37	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 12:37	WG2202487
Hexachloropropene	ND		100	1	01/20/2024 23:12	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 12:37	WG2202487
Isodrin	ND		10.0	1	01/20/2024 23:12	WG2202487
Isophorone	ND		10.0	1	01/19/2024 12:37	WG2202487
Isosafrole	ND		20.0	1	01/20/2024 23:12	WG2202487
Kepone	ND		1.88	1	01/20/2024 23:12	WG2202487
Methapyrilene	ND		50.0	1	01/20/2024 23:12	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/20/2024 23:12	WG2202487
Methyl parathion	ND		10.0	1	01/20/2024 23:12	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 12:37	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 12:37	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/20/2024 23:12	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/20/2024 23:12	WG2202487
Pentachlorobenzene	ND		10.0	1	01/20/2024 23:12	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/20/2024 23:12	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 12:37	WG2202487
Phenacetin	ND		10.0	1	01/20/2024 23:12	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 12:37	WG2202487
Phenol	ND		10.0	1	01/19/2024 12:37	WG2202487
Phorate	ND		50.0	1	01/20/2024 23:12	WG2202487
Pronamide	ND		20.0	1	01/20/2024 23:12	WG2202487
Pyrene	ND		10.0	1	01/19/2024 12:37	WG2202487
Safrole	ND		50.0	1	01/20/2024 23:12	WG2202487
Thionazin	ND		10.0	1	01/20/2024 23:12	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/20/2024 23:12	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 12:37	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/20/2024 23:12	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 12:37	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 12:37	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/20/2024 23:12	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/20/2024 23:12	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/20/2024 23:12	WG2202487
o-Toluidine	15.9		10.0	1	01/20/2024 23:12	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/20/2024 23:12	WG2202487
(S) 2-Fluorophenol	29.9			10.0-120	01/19/2024 12:37	WG2202487
(S) 2,4,6-Tribromophenol	97.3			10.0-155	01/19/2024 12:37	WG2202487
(S) p-Terphenyl-d14	10.8			10.0-128	01/19/2024 12:37	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	<u>Qualifier</u>	RL ug/l	Dilution	Analysis date / time	<u>Batch</u>
(S) Phenol-d5	41.5			10.0-120	01/19/2024 12:37	WG2202487
(S) 2-Fluorobiphenyl	53.3			10.0-130	01/19/2024 12:37	WG2202487
(S) Nitrobenzene-d5	34.0			10.0-127	01/19/2024 12:37	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

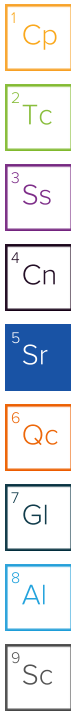
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.97	su
Specific Conductance (on site)	17427	umhos/cm
Temperature (on-site)	23.6	Deg. C
Turbidity (on-site)	15.77	NTU
Dissolved Oxygen (on-site)	3.15	mg/l
eH/ORP (On Site)	-154.7	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	5560		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	5390		10.0	1	01/09/2024 11:32	WG2202839
Alkalinity,Bicarbonate	5390		10.0	1	01/09/2024 11:32	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 11:32	WG2202839

Sample Narrative:

L1693811-05 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	311		6.34	200	01/09/2024 15:17	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.09		0.197	10	01/08/2024 19:45	WG2202378

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/07/2024 17:41	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:11	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	838		5.19	100	01/06/2024 18:28	WG2202331
Sulfate	32.9	J	7.74	100	01/06/2024 18:28	WG2202331

Sample Narrative:

L1693811-05 WG2202331: S04 BDL, dilution needed due to sample matrix color

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	297		5.10	50	01/08/2024 00:21	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 16:54	WG2202340

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	4.5	01/08/2024 21:37	WG2202599
Barium, Total Recoverable	0.702		0.00765	4.5	01/08/2024 21:37	WG2202599
Calcium, Total Recoverable	16.5		0.208	4.5	01/08/2024 21:37	WG2202599
Iron, Total Recoverable	7.40		0.0634	4.5	01/08/2024 21:37	WG2202599
Potassium, Total Recoverable	101		3.00	4.5	01/08/2024 21:37	WG2202599
Magnesium, Total Recoverable	16.4		0.200	4.5	01/08/2024 21:37	WG2202599
Manganese, Total Recoverable	0.460		0.00540	4.5	01/08/2024 21:37	WG2202599
Sodium, Total Recoverable	2090		5.00	4.5	01/08/2024 21:37	WG2202599
Lead, Total Recoverable	0.0107	J	0.00855	4.5	01/08/2024 21:37	WG2202599
Selenium, Total Recoverable	ND		0.0333	4.5	01/08/2024 21:37	WG2202599
Tin, Total Recoverable	ND		0.100	4.5	01/08/2024 21:37	WG2202599

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.115		0.00500	5	01/23/2024 17:55	WG2202600
Beryllium, Total Recoverable	ND		0.00100	5	01/23/2024 17:55	WG2202600
Cadmium, Total Recoverable	ND		0.00100	5	01/23/2024 17:55	WG2202600
Cobalt, Total Recoverable	0.0391		0.00300	5	01/23/2024 17:55	WG2202600
Chromium, Total Recoverable	0.0936		0.00300	5	01/23/2024 17:55	WG2202600
Copper, Total Recoverable	0.00661	J	0.00400	5	01/23/2024 17:55	WG2202600
Nickel, Total Recoverable	0.217		0.00400	5	01/23/2024 17:55	WG2202600
Antimony, Total Recoverable	0.00402	J	0.00377	5	01/23/2024 17:55	WG2202600
Thallium, Total Recoverable	ND		0.00100	5	01/23/2024 17:55	WG2202600
Vanadium, Total Recoverable	0.0678		0.00300	5	01/23/2024 17:55	WG2202600
Zinc, Total Recoverable	0.0590	J	0.0128	5	01/23/2024 17:55	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 13:05	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 13:05	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 13:05	WG2202578
1,2-Dibromoethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 13:05	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 13:05	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichloropropane	ND		1.00	1	01/07/2024 13:05	WG2202578
1,4-Dichlorobenzene	4.06		1.00	1	01/07/2024 13:05	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 13:05	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/10/2024 15:33	WG2203445
2-Hexanone	ND		5.00	1	01/07/2024 13:05	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 13:05	WG2202578
Acetone	12.4	J	11.3	1	01/10/2024 15:33	WG2203445
Acetonitrile	ND		30.0	1	01/07/2024 13:05	WG2202578
Acrolein	ND		20.0	1	01/07/2024 13:05	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 13:05	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 13:05	WG2202578
Benzene	5.82		1.00	1	01/07/2024 13:05	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Bromoform	ND		1.00	1	01/07/2024 13:05	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 13:05	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 13:05	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 13:05	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 13:05	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Chloroform	ND		1.00	1	01/07/2024 13:05	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 13:05	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 13:05	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 13:05	WG2202578
Ethylbenzene	6.54		1.00	1	01/07/2024 13:05	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 13:05	WG2202578
Isobutanol	ND		110	1	01/07/2024 13:05	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 13:05	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 13:05	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 13:05	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 13:05	WG2202578
Styrene	ND		1.00	1	01/07/2024 13:05	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 13:05	WG2202578
Toluene	1.35		1.00	1	01/07/2024 13:05	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 13:05	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 13:05	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 13:05	WG2202578
Vinyl chloride	1.02		1.00	1	01/07/2024 13:05	WG2202578
Xylenes, Total	5.29		1.00	1	01/07/2024 13:05	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 13:05	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 13:05	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 13:05	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 13:05	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 13:05	WG2202578
(S) Toluene-d8	107			80.0-120	01/07/2024 13:05	WG2202578
(S) Toluene-d8	107			80.0-120	01/10/2024 15:33	WG2203445
(S) 1,2-Dichloroethane-d4	115			70.0-130	01/07/2024 13:05	WG2202578
(S) 1,2-Dichloroethane-d4	118			70.0-130	01/10/2024 15:33	WG2203445
(S) 4-Bromofluorobenzene	94.4			77.0-126	01/07/2024 13:05	WG2202578
(S) 4-Bromofluorobenzene	94.3			77.0-126	01/10/2024 15:33	WG2203445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 02:25	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 02:25	WG2202503
2,4-D	ND		4.00	1	01/10/2024 02:25	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	820	<u>J1</u>		14.0-158	01/10/2024 02:25	WG2202503

Sample Narrative:

L1693811-05 WG2202503: Surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 00:14	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 00:14	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 00:14	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 00:14	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 00:14	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 00:14	WG2202480
Chlordane	ND		0.500	1	01/11/2024 00:14	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 00:14	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 00:14	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 00:14	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 00:14	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 00:14	WG2202480
Endrin	ND		0.0500	1	01/11/2024 00:14	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 00:14	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 00:14	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 00:14	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 00:14	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 00:14	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 00:14	WG2202480
(S) Decachlorobiphenyl	6.95	<u>J2</u>		10.0-128	01/11/2024 00:14	WG2202480
(S) Tetrachloro-m-xylene	72.2			10.0-127	01/11/2024 00:14	WG2202480

Sample Narrative:

L1693811-05 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 00:14	WG2202480
PCB 1221	ND		1.00	1	01/11/2024 00:14	WG2202480
PCB 1232	ND		1.00	1	01/11/2024 00:14	WG2202480
PCB 1242	ND		1.00	1	01/11/2024 00:14	WG2202480
PCB 1248	ND		1.00	1	01/11/2024 00:14	WG2202480
PCB 1254	ND		1.00	1	01/11/2024 00:14	WG2202480
PCB 1260	ND		1.00	1	01/11/2024 00:14	WG2202480
(S) Decachlorobiphenyl	1.88	<u>J2</u>		10.0-128	01/11/2024 00:14	WG2202480
(S) Tetrachloro-m-xylene	28.8			10.0-127	01/11/2024 00:14	WG2202480

Sample Narrative:

L1693811-05 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 12:59	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 12:59	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/20/2024 23:30	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/20/2024 23:30	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/20/2024 23:30	WG2202487
1-Naphthylamine	ND		10.0	1	01/20/2024 23:30	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 12:59	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 12:59	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 12:59	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 12:59	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 12:59	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 12:59	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/20/2024 23:30	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 12:59	WG2202487
2-Acetylaminofluorene	ND		100	1	01/20/2024 23:30	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 12:59	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 12:59	WG2202487
2-Naphthylamine	ND		10.0	1	01/20/2024 23:30	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 12:59	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 12:59	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 12:59	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 12:59	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/20/2024 23:30	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/20/2024 23:30	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 12:59	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 12:59	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/20/2024 23:30	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 12:59	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 12:59	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 12:59	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 12:59	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 12:59	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/20/2024 23:30	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 12:59	WG2202487
Anthracene	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 12:59	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 12:59	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 12:59	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 12:59	WG2202487
Chlorobenzilate	ND		10.0	1	01/20/2024 23:30	WG2202487
Chrysene	ND		10.0	1	01/19/2024 12:59	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 12:59	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 12:59	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diallate	ND		20.0	1	01/20/2024 23:30	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 12:59	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 12:59	WG2202487
Dimethoate	ND		20.0	1	01/20/2024 23:30	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 12:59	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/20/2024 23:30	WG2202487
Dinoseb	ND		17.9	1	01/20/2024 23:30	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Disulfoton	ND		50.0	1	01/20/2024 23:30	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/20/2024 23:30	WG2202487
Ethyl parathion	ND		50.0	1	01/20/2024 23:30	WG2202487
Famphur	ND		200	1	01/20/2024 23:30	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 12:59	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 12:59	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 12:59	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 12:59	WG2202487
Hexachloropropene	ND		100	1	01/20/2024 23:30	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 12:59	WG2202487
Isodrin	ND		10.0	1	01/20/2024 23:30	WG2202487
Isophorone	ND		10.0	1	01/19/2024 12:59	WG2202487
Isosafrole	ND		20.0	1	01/20/2024 23:30	WG2202487
Kepone	ND		1.88	1	01/20/2024 23:30	WG2202487
Methapyrilene	ND		50.0	1	01/20/2024 23:30	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/20/2024 23:30	WG2202487
Methyl parathion	ND		10.0	1	01/20/2024 23:30	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 12:59	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 12:59	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/20/2024 23:30	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/20/2024 23:30	WG2202487
Pentachlorobenzene	ND		10.0	1	01/20/2024 23:30	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/20/2024 23:30	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 12:59	WG2202487
Phenacetin	ND		10.0	1	01/20/2024 23:30	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 12:59	WG2202487
Phenol	ND		10.0	1	01/19/2024 12:59	WG2202487
Phorate	ND		50.0	1	01/20/2024 23:30	WG2202487
Pronamide	ND		20.0	1	01/20/2024 23:30	WG2202487
Pyrene	ND		10.0	1	01/19/2024 12:59	WG2202487
Safrole	ND		50.0	1	01/20/2024 23:30	WG2202487
Thionazin	ND		10.0	1	01/20/2024 23:30	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/20/2024 23:30	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 12:59	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/20/2024 23:30	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 12:59	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 12:59	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/20/2024 23:30	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/20/2024 23:30	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/20/2024 23:30	WG2202487
o-Toluidine	ND		10.0	1	01/20/2024 23:30	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/20/2024 23:30	WG2202487
(S) 2-Fluorophenol	34.8			10.0-120	01/19/2024 12:59	WG2202487
(S) 2,4,6-Tribromophenol	96.0			10.0-155	01/19/2024 12:59	WG2202487
(S) p-Terphenyl-d14	22.6			10.0-128	01/19/2024 12:59	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	42.2			10.0-120	01/19/2024 12:59	WG2202487
(S) 2-Fluorobiphenyl	63.1			10.0-130	01/19/2024 12:59	WG2202487
(S) Nitrobenzene-d5	58.4			10.0-127	01/19/2024 12:59	WG2202487

- 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)	7.41	su
Specific Conductance (on site)	21783	umhos/cm
Temperature (on-site)	22.5	Deg. C
Turbidity (on-site)	2.35	NTU
Dissolved Oxygen (on-site)	4.08	mg/l
eH/ORP (On Site)	-137.8	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	5180		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	4970		10.0	1	01/09/2024 11:28	WG2202839
Alkalinity,Bicarbonate	4970		10.0	1	01/09/2024 11:28	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 11:28	WG2202839

Sample Narrative:

L1693811-06 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	181		3.17	100	01/09/2024 15:18	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 19:47	WG2202378

Sample Narrative:

L1693811-06 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/07/2024 17:41	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:12	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1040		5.19	100	01/06/2024 19:06	WG2202331
Sulfate	53.5	J	7.74	100	01/06/2024 19:06	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-06 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	367		5.10	50	01/09/2024 23:04	WG2203396

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 16:56	WG2202340

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	4.5	01/08/2024 21:40	WG2202599
Barium, Total Recoverable	1.25		0.00765	4.5	01/08/2024 21:40	WG2202599
Calcium, Total Recoverable	40.1		0.208	4.5	01/08/2024 21:40	WG2202599
Iron, Total Recoverable	3.79		0.0634	4.5	01/08/2024 21:40	WG2202599
Potassium, Total Recoverable	74.5		3.00	4.5	01/08/2024 21:40	WG2202599
Magnesium, Total Recoverable	44.3		0.200	4.5	01/08/2024 21:40	WG2202599
Manganese, Total Recoverable	0.394		0.00540	4.5	01/08/2024 21:40	WG2202599
Sodium, Total Recoverable	2620		5.00	4.5	01/08/2024 21:40	WG2202599
Lead, Total Recoverable	ND		0.00855	4.5	01/08/2024 21:40	WG2202599
Selenium, Total Recoverable	ND		0.0333	4.5	01/08/2024 21:40	WG2202599
Tin, Total Recoverable	ND		0.100	4.5	01/08/2024 21:40	WG2202599

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0801		0.00500	5	01/23/2024 17:58	WG2202600
Beryllium, Total Recoverable	ND		0.00100	5	01/23/2024 17:58	WG2202600
Cadmium, Total Recoverable	ND		0.00100	5	01/23/2024 17:58	WG2202600
Cobalt, Total Recoverable	0.0647		0.00300	5	01/23/2024 17:58	WG2202600
Chromium, Total Recoverable	0.0777		0.00300	5	01/23/2024 17:58	WG2202600
Copper, Total Recoverable	0.0169	J	0.00400	5	01/23/2024 17:58	WG2202600
Nickel, Total Recoverable	0.485		0.00400	5	01/23/2024 17:58	WG2202600
Antimony, Total Recoverable	ND		0.00377	5	01/23/2024 17:58	WG2202600
Thallium, Total Recoverable	ND		0.00100	5	01/23/2024 17:58	WG2202600
Vanadium, Total Recoverable	0.0715		0.00300	5	01/23/2024 17:58	WG2202600
Zinc, Total Recoverable	0.105	J	0.0128	5	01/23/2024 17:58	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 13:25	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 13:25	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 13:25	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 13:25	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 13:25	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 13:25	WG2202578
1,4-Dichlorobenzene	2.79		1.00	1	01/07/2024 13:25	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 13:25	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/10/2024 15:54	WG2203445
2-Hexanone	ND		5.00	1	01/07/2024 13:25	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 13:25	WG2202578
Acetone	ND		11.3	1	01/10/2024 15:54	WG2203445
Acetonitrile	ND		30.0	1	01/07/2024 13:25	WG2202578
Acrolein	ND		20.0	1	01/07/2024 13:25	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 13:25	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 13:25	WG2202578
Benzene	3.40		1.00	1	01/07/2024 13:25	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Bromoform	ND		1.00	1	01/07/2024 13:25	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 13:25	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 13:25	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 13:25	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 13:25	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Chloroform	ND		1.00	1	01/07/2024 13:25	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 13:25	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 13:25	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 13:25	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 13:25	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 13:25	WG2202578
Isobutanol	ND		110	1	01/07/2024 13:25	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 13:25	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 13:25	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 13:25	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 13:25	WG2202578
Styrene	ND		1.00	1	01/07/2024 13:25	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 13:25	WG2202578
Toluene	ND		1.00	1	01/07/2024 13:25	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 13:25	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 13:25	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 13:25	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 13:25	WG2202578
Xylenes, Total	2.28		1.00	1	01/07/2024 13:25	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 13:25	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 13:25	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 13:25	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 13:25	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 13:25	WG2202578
(S) Toluene-d8	114			80.0-120	01/07/2024 13:25	WG2202578
(S) Toluene-d8	106			80.0-120	01/10/2024 15:54	WG2203445
(S) 1,2-Dichloroethane-d4	118			70.0-130	01/07/2024 13:25	WG2202578
(S) 1,2-Dichloroethane-d4	117			70.0-130	01/10/2024 15:54	WG2203445

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
(S) 4-Bromofluorobenzene	88.6			77.0-126	01/07/2024 13:25	WG2202578
(S) 4-Bromofluorobenzene	88.1			77.0-126	01/10/2024 15:54	WG2203445

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 05:08	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 05:08	WG2202503
2,4-D	ND		4.00	1	01/10/2024 05:08	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	98.6			14.0-158	01/10/2024 05:08	WG2202503

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/18/2024 01:25	WG2202480
4,4-DDE	ND		0.0500	1	01/18/2024 01:25	WG2202480
4,4-DDT	ND		0.0500	1	01/18/2024 01:25	WG2202480
Aldrin	ND		0.0500	1	01/18/2024 01:25	WG2202480
Alpha BHC	ND		0.0500	1	01/18/2024 01:25	WG2202480
Beta BHC	ND		0.500	1	01/18/2024 01:25	WG2202480
Chlordane	ND		0.500	1	01/18/2024 01:25	WG2202480
Delta BHC	ND		0.0500	1	01/18/2024 01:25	WG2202480
Dieldrin	ND		0.0500	1	01/18/2024 01:25	WG2202480
Endosulfan I	ND		0.0500	1	01/18/2024 01:25	WG2202480
Endosulfan II	ND		0.0500	1	01/18/2024 01:25	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/18/2024 01:25	WG2202480
Endrin	ND		0.0500	1	01/18/2024 01:25	WG2202480
Endrin aldehyde	ND		0.0500	1	01/18/2024 01:25	WG2202480
Gamma BHC	ND		0.0500	1	01/18/2024 01:25	WG2202480
Heptachlor	ND		0.0500	1	01/18/2024 01:25	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/18/2024 01:25	WG2202480
Methoxychlor	ND		0.100	1	01/18/2024 01:25	WG2202480
Toxaphene	ND		5.00	1	01/18/2024 01:25	WG2202480
(S) Decachlorobiphenyl	1.04	<u>J2</u>		10.0-128	01/18/2024 01:25	WG2202480
(S) Tetrachloro-m-xylene	30.9			10.0-127	01/18/2024 01:25	WG2202480

Sample Narrative:

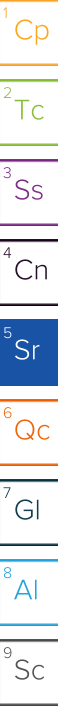
L1693811-06 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 22:52	WG2202480
PCB 1221	ND		1.00	1	01/10/2024 22:52	WG2202480
PCB 1232	ND		1.00	1	01/10/2024 22:52	WG2202480
PCB 1242	ND		1.00	1	01/10/2024 22:52	WG2202480
PCB 1248	ND		1.00	1	01/10/2024 22:52	WG2202480
PCB 1254	ND		1.00	1	01/10/2024 22:52	WG2202480
PCB 1260	ND		1.00	1	01/10/2024 22:52	WG2202480
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/10/2024 22:52	WG2202480
(S) Tetrachloro-m-xylene	36.6			10.0-127	01/10/2024 22:52	WG2202480

Sample Narrative:

L1693811-06 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 13:21	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 13:21	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/20/2024 23:47	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/20/2024 23:47	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/20/2024 23:47	WG2202487
1-Naphthylamine	ND		10.0	1	01/20/2024 23:47	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 13:21	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 13:21	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 13:21	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 13:21	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 13:21	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 13:21	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/20/2024 23:47	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 13:21	WG2202487
2-Acetylaminofluorene	ND		100	1	01/20/2024 23:47	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 13:21	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 13:21	WG2202487
2-Naphthylamine	ND		10.0	1	01/20/2024 23:47	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 13:21	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 13:21	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 13:21	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 13:21	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/20/2024 23:47	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/20/2024 23:47	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 13:21	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 13:21	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/20/2024 23:47	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 13:21	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 13:21	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 13:21	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 13:21	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 13:21	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/20/2024 23:47	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 13:21	WG2202487
Anthracene	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 13:21	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 13:21	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 13:21	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 13:21	WG2202487
Chlorobenzilate	ND		10.0	1	01/20/2024 23:47	WG2202487
Chrysene	ND		10.0	1	01/19/2024 13:21	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 13:21	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 13:21	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diallate	ND		20.0	1	01/20/2024 23:47	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 13:21	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 13:21	WG2202487
Dimethoate	ND		20.0	1	01/20/2024 23:47	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 13:21	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/20/2024 23:47	WG2202487
Dinoseb	ND		17.9	1	01/20/2024 23:47	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Disulfoton	ND		50.0	1	01/20/2024 23:47	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/20/2024 23:47	WG2202487
Ethyl parathion	ND		50.0	1	01/20/2024 23:47	WG2202487
Famphur	ND		200	1	01/20/2024 23:47	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 13:21	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 13:21	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 13:21	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 13:21	WG2202487
Hexachloropropene	ND		100	1	01/20/2024 23:47	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 13:21	WG2202487
Isodrin	ND		10.0	1	01/20/2024 23:47	WG2202487
Isophorone	ND		10.0	1	01/19/2024 13:21	WG2202487
Isosafrole	ND		20.0	1	01/20/2024 23:47	WG2202487
Kepone	ND		1.88	1	01/20/2024 23:47	WG2202487
Methapyrilene	ND		50.0	1	01/20/2024 23:47	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/20/2024 23:47	WG2202487
Methyl parathion	ND		10.0	1	01/20/2024 23:47	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 13:21	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 13:21	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/20/2024 23:47	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/20/2024 23:47	WG2202487
Pentachlorobenzene	ND		10.0	1	01/20/2024 23:47	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/20/2024 23:47	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 13:21	WG2202487
Phenacetin	ND		10.0	1	01/20/2024 23:47	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 13:21	WG2202487
Phenol	ND		10.0	1	01/19/2024 13:21	WG2202487
Phorate	ND		50.0	1	01/20/2024 23:47	WG2202487
Pronamide	ND		20.0	1	01/20/2024 23:47	WG2202487
Pyrene	ND		10.0	1	01/19/2024 13:21	WG2202487
Safrole	ND		50.0	1	01/20/2024 23:47	WG2202487
Thionazin	ND		10.0	1	01/20/2024 23:47	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/20/2024 23:47	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 13:21	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/20/2024 23:47	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 13:21	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 13:21	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/20/2024 23:47	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/20/2024 23:47	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/20/2024 23:47	WG2202487
o-Toluidine	ND		10.0	1	01/20/2024 23:47	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/20/2024 23:47	WG2202487
(S) 2-Fluorophenol	36.9			10.0-120	01/19/2024 13:21	WG2202487
(S) 2,4,6-Tribromophenol	108			10.0-155	01/19/2024 13:21	WG2202487
(S) p-Terphenyl-d14	49.1			10.0-128	01/19/2024 13:21	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	45.7			10.0-120	01/19/2024 13:21	WG2202487
(S) 2-Fluorobiphenyl	68.5			10.0-130	01/19/2024 13:21	WG2202487
(S) Nitrobenzene-d5	72.4			10.0-127	01/19/2024 13:21	WG2202487

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

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	13836	umhos/cm
Temperature (on-site)	22.7	Deg. C
Turbidity (on-site)	7.7	NTU
Dissolved Oxygen (on-site)	2.31	mg/l
eH/ORP (On Site)	-161.4	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	2370		28.2	1	01/08/2024 09:21	WG2202557

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	2870		10.0	1	01/09/2024 11:23	WG2202839
Alkalinity,Bicarbonate	2870		10.0	1	01/09/2024 11:23	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 11:23	WG2202839

Sample Narrative:

L1693811-07 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	217		1.58	50	01/09/2024 15:24	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	5	01/08/2024 19:49	WG2202378

Sample Narrative:

L1693811-07 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/07/2024 17:41	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:13	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	300		3.00	10	01/06/2024 19:19	WG2202331
Sulfate	22.0	J	5.00	10	01/06/2024 19:19	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-07 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	88.1		2.04	20	01/09/2024 23:22	WG2203396

3 Ss

4 Cn

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 16:58	WG2202340

5 Sr

6 Qc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:02	WG2202942
Barium, Total Recoverable	0.469		0.0153	9	01/09/2024 17:02	WG2202942
Calcium, Total Recoverable	15.6		0.417	9	01/09/2024 17:02	WG2202942
Iron, Total Recoverable	7.28		0.127	9	01/09/2024 17:02	WG2202942
Potassium, Total Recoverable	76.1		3.00	9	01/09/2024 17:02	WG2202942
Magnesium, Total Recoverable	13.4		0.200	9	01/09/2024 17:02	WG2202942
Manganese, Total Recoverable	0.350		0.0108	9	01/09/2024 17:02	WG2202942
Sodium, Total Recoverable	832		5.00	9	01/09/2024 17:02	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 17:02	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:02	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:02	WG2202942

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0963		0.00500	1	01/23/2024 18:02	WG2202600
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 18:02	WG2202600
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 18:02	WG2202600
Cobalt, Total Recoverable	0.0116		0.00300	1	01/23/2024 18:02	WG2202600
Chromium, Total Recoverable	0.0237		0.00300	1	01/23/2024 18:02	WG2202600
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 18:02	WG2202600
Nickel, Total Recoverable	0.126		0.00400	1	01/23/2024 18:02	WG2202600
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 18:02	WG2202600
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 18:02	WG2202600
Vanadium, Total Recoverable	0.0222		0.00300	1	01/23/2024 18:02	WG2202600
Zinc, Total Recoverable	0.0496		0.00500	1	01/23/2024 18:02	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 13:46	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 13:46	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 13:46	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 13:46	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 13:46	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 13:46	WG2202578
1,4-Dichlorobenzene	1.99		1.00	1	01/07/2024 13:46	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 13:46	WG2202578
2-Butanone (MEK)	13.4		5.00	1	01/07/2024 13:46	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 13:46	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 13:46	WG2202578
Acetone	18.1	J	11.3	1	01/07/2024 13:46	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 13:46	WG2202578
Acrolein	ND		20.0	1	01/07/2024 13:46	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 13:46	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 13:46	WG2202578
Benzene	4.76		1.00	1	01/07/2024 13:46	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Bromoform	ND		1.00	1	01/07/2024 13:46	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 13:46	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 13:46	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 13:46	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 13:46	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Chloroform	ND		1.00	1	01/07/2024 13:46	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 13:46	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 13:46	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 13:46	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 13:46	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 13:46	WG2202578
Isobutanol	ND		110	1	01/07/2024 13:46	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 13:46	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 13:46	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 13:46	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 13:46	WG2202578
Styrene	ND		1.00	1	01/07/2024 13:46	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 13:46	WG2202578
Toluene	1.02		1.00	1	01/07/2024 13:46	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 13:46	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 13:46	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 13:46	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 13:46	WG2202578
Xylenes, Total	2.86		1.00	1	01/07/2024 13:46	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 13:46	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 13:46	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 13:46	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 13:46	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 13:46	WG2202578
(S) Toluene-d8	102			80.0-120	01/07/2024 13:46	WG2202578
(S) 1,2-Dichloroethane-d4	115			70.0-130	01/07/2024 13:46	WG2202578
(S) 4-Bromofluorobenzene	90.6			77.0-126	01/07/2024 13:46	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 02:35	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 02:35	WG2202503
2,4-D	ND		4.00	1	01/10/2024 02:35	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	334	<u>J1</u>		14.0-158	01/10/2024 02:35	WG2202503

Sample Narrative:

L1693811-07 WG2202503: Surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 23:02	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 23:02	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 23:02	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 23:02	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 23:02	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 23:02	WG2202480
Chlordane	ND		0.500	1	01/10/2024 23:02	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 23:02	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 23:02	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 23:02	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 23:02	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 23:02	WG2202480
Endrin	ND		0.0500	1	01/10/2024 23:02	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 23:02	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 23:02	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 23:02	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 23:02	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 23:02	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 23:02	WG2202480
(S) Decachlorobiphenyl	3.96	<u>J2</u>		10.0-128	01/10/2024 23:02	WG2202480
(S) Tetrachloro-m-xylene	18.4			10.0-127	01/10/2024 23:02	WG2202480

Sample Narrative:

L1693811-07 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 23:02	WG2202480
PCB 1221	ND		1.00	1	01/10/2024 23:02	WG2202480
PCB 1232	ND		1.00	1	01/10/2024 23:02	WG2202480
PCB 1242	ND		1.00	1	01/10/2024 23:02	WG2202480
PCB 1248	ND		1.00	1	01/10/2024 23:02	WG2202480
PCB 1254	ND		1.00	1	01/10/2024 23:02	WG2202480
PCB 1260	ND		1.00	1	01/10/2024 23:02	WG2202480
(S) Decachlorobiphenyl	1.80	<u>J2</u>		10.0-128	01/10/2024 23:02	WG2202480
(S) Tetrachloro-m-xylene	23.4			10.0-127	01/10/2024 23:02	WG2202480

Sample Narrative:

L1693811-07 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 16:15	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 16:15	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 02:05	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 02:05	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 02:05	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 02:05	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 16:15	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 16:15	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 16:15	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 16:15	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 16:15	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 16:15	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 02:05	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 16:15	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 02:05	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 16:15	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 16:15	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 02:05	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 16:15	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 16:15	WG2202487
3&4-Methyl Phenol	64.8		10.0	1	01/19/2024 16:15	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 16:15	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 02:05	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 02:05	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 16:15	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 16:15	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 02:05	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 16:15	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 16:15	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 16:15	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 16:15	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 16:15	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 02:05	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 16:15	WG2202487
Anthracene	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 16:15	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 16:15	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 16:15	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 16:15	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 02:05	WG2202487
Chrysene	ND		10.0	1	01/19/2024 16:15	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 16:15	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 16:15	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/21/2024 02:05	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 16:15	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 16:15	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 02:05	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 16:15	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 02:05	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 02:05	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 02:05	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 02:05	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 02:05	WG2202487
Famphur	ND		200	1	01/21/2024 02:05	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 16:15	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 16:15	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 16:15	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 16:15	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 02:05	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 16:15	WG2202487
Isodrin	ND		10.0	1	01/21/2024 02:05	WG2202487
Isophorone	ND		10.0	1	01/19/2024 16:15	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 02:05	WG2202487
Kepone	ND		1.88	1	01/21/2024 02:05	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 02:05	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 02:05	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 02:05	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 16:15	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 16:15	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 02:05	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 02:05	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 02:05	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 02:05	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 16:15	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 02:05	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 16:15	WG2202487
Phenol	19.7		10.0	1	01/19/2024 16:15	WG2202487
Phorate	ND		50.0	1	01/21/2024 02:05	WG2202487
Pronamide	ND		20.0	1	01/21/2024 02:05	WG2202487
Pyrene	ND		10.0	1	01/19/2024 16:15	WG2202487
Safrole	ND		50.0	1	01/21/2024 02:05	WG2202487
Thionazin	ND		10.0	1	01/21/2024 02:05	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 02:05	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 16:15	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 02:05	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 16:15	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 16:15	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 02:05	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 02:05	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 02:05	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 02:05	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 02:05	WG2202487
(S) 2-Fluorophenol	32.2			10.0-120	01/19/2024 16:15	WG2202487
(S) 2,4,6-Tribromophenol	95.1			10.0-155	01/19/2024 16:15	WG2202487
(S) p-Terphenyl-d14	39.7			10.0-128	01/19/2024 16:15	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

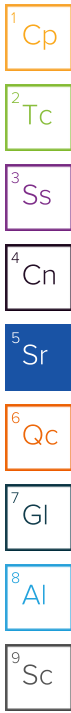
Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	29.2			10.0-120	01/19/2024 16:15	WG2202487
(S) 2-Fluorobiphenyl	62.3			10.0-130	01/19/2024 16:15	WG2202487
(S) Nitrobenzene-d5	73.3			10.0-127	01/19/2024 16:15	WG2202487

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

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

Analyte	Result	Units
pH (On Site)	6.81	su
Specific Conductance (on site)	14431	umhos/cm
Temperature (on-site)	23.5	Deg. C
Turbidity (on-site)	1024.61	NTU
Dissolved Oxygen (on-site)	5.16	mg/l
eH/ORP (On Site)	23.1	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	2180		28.2	1	01/08/2024 09:21	WG2202557

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	2320		10.0	1	01/09/2024 11:14	WG2202839
Alkalinity,Bicarbonate	2320		10.0	1	01/09/2024 11:14	WG2202839
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 11:14	WG2202839

Sample Narrative:

L1693811-08 WG2202839: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	410		1.58	50	01/09/2024 15:26	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	13.8		0.197	10	01/08/2024 19:51	WG2202378

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/07/2024 17:42	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	5	01/08/2024 17:15	WG2202705

Sample Narrative:

L1693811-08 WG2202705: dilution due to reactive matrix

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	483		3.00	10	01/06/2024 19:32	WG2202331
Sulfate	193		5.00	10	01/06/2024 19:32	WG2202331

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	111		2.04	20	01/09/2024 23:41	WG2203396

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 17:01	WG2202340

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:05	WG2202942
Barium, Total Recoverable	0.186		0.0153	9	01/09/2024 17:05	WG2202942
Calcium, Total Recoverable	54.5		0.417	9	01/09/2024 17:05	WG2202942
Iron, Total Recoverable	1.80		0.127	9	01/09/2024 17:05	WG2202942
Potassium, Total Recoverable	140		3.00	9	01/09/2024 17:05	WG2202942
Magnesium, Total Recoverable	23.3		0.200	9	01/09/2024 17:05	WG2202942
Manganese, Total Recoverable	0.662		0.0108	9	01/09/2024 17:05	WG2202942
Sodium, Total Recoverable	738		5.00	9	01/09/2024 17:05	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 17:05	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:05	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:05	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0372		0.00500	1	01/23/2024 18:05	WG2202600
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 18:05	WG2202600
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 18:05	WG2202600
Cobalt, Total Recoverable	0.0264		0.00300	1	01/23/2024 18:05	WG2202600
Chromium, Total Recoverable	0.0344		0.00300	1	01/23/2024 18:05	WG2202600
Copper, Total Recoverable	0.0193		0.00400	1	01/23/2024 18:05	WG2202600
Nickel, Total Recoverable	0.172		0.00400	1	01/23/2024 18:05	WG2202600
Antimony, Total Recoverable	0.00406		0.00200	1	01/23/2024 18:56	WG2202600
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 18:05	WG2202600
Vanadium, Total Recoverable	0.0315		0.00300	1	01/23/2024 18:05	WG2202600
Zinc, Total Recoverable	0.132		0.00500	1	01/23/2024 18:05	WG2202600

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 14:06	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 14:06	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 14:06	WG2202578
1,2-Dibromoethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 14:06	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 14:06	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/07/2024 14:06	WG2202578
1,4-Dichlorobenzene	1.59		1.00	1	01/07/2024 14:06	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 14:06	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 14:06	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 14:06	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 14:06	WG2202578
Acetone	ND		11.3	1	01/07/2024 14:06	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 14:06	WG2202578
Acrolein	ND		20.0	1	01/07/2024 14:06	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 14:06	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 14:06	WG2202578
Benzene	ND		1.00	1	01/07/2024 14:06	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Bromoform	ND		1.00	1	01/07/2024 14:06	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 14:06	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 14:06	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 14:06	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 14:06	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Chloroform	ND		1.00	1	01/07/2024 14:06	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 14:06	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 14:06	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 14:06	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 14:06	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 14:06	WG2202578
Isobutanol	ND		110	1	01/07/2024 14:06	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 14:06	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 14:06	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 14:06	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 14:06	WG2202578
Styrene	ND		1.00	1	01/07/2024 14:06	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 14:06	WG2202578
Toluene	ND		1.00	1	01/07/2024 14:06	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 14:06	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 14:06	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 14:06	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 14:06	WG2202578
Xylenes, Total	ND		1.00	1	01/07/2024 14:06	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 14:06	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 14:06	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 14:06	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 14:06	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 14:06	WG2202578
(S) Toluene-d8	104			80.0-120	01/07/2024 14:06	WG2202578
(S) 1,2-Dichloroethane-d4	117			70.0-130	01/07/2024 14:06	WG2202578
(S) 4-Bromofluorobenzene	82.3			77.0-126	01/07/2024 14:06	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 02:45	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 02:45	WG2202503
2,4-D	ND		4.00	1	01/10/2024 02:45	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	105			14.0-158	01/10/2024 02:45	WG2202503

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 23:12	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 23:12	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 23:12	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 23:12	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 23:12	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 23:12	WG2202480
Chlordane	ND		0.500	1	01/10/2024 23:12	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 23:12	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 23:12	WG2202480
Endosulfan I	0.208		0.0500	1	01/10/2024 23:12	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 23:12	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 23:12	WG2202480
Endrin	ND		0.0500	1	01/10/2024 23:12	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 23:12	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 23:12	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 23:12	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 23:12	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 23:12	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 23:12	WG2202480
(S) Decachlorobiphenyl	3.29	<u>J2</u>		10.0-128	01/10/2024 23:12	WG2202480
(S) Tetrachloro-m-xylene	31.0			10.0-127	01/10/2024 23:12	WG2202480

Sample Narrative:

L1693811-08 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 23:12	WG2202480
PCB 1221	ND		1.00	1	01/10/2024 23:12	WG2202480
PCB 1232	ND		1.00	1	01/10/2024 23:12	WG2202480
PCB 1242	ND		1.00	1	01/10/2024 23:12	WG2202480
PCB 1248	ND		1.00	1	01/10/2024 23:12	WG2202480
PCB 1254	ND		1.00	1	01/10/2024 23:12	WG2202480
PCB 1260	ND		1.00	1	01/10/2024 23:12	WG2202480
(S) Decachlorobiphenyl	1.79	<u>J2</u>		10.0-128	01/10/2024 23:12	WG2202480
(S) Tetrachloro-m-xylene	26.5			10.0-127	01/10/2024 23:12	WG2202480

Sample Narrative:

L1693811-08 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 16:37	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 16:37	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 02:22	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 02:22	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 02:22	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 02:22	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 16:37	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 16:37	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 16:37	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 16:37	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 16:37	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 16:37	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 02:22	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 16:37	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 02:22	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 16:37	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 16:37	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 02:22	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 16:37	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 16:37	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 16:37	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 16:37	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 02:22	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 02:22	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 16:37	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 16:37	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 02:22	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 16:37	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 16:37	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 16:37	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 16:37	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 16:37	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 02:22	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 16:37	WG2202487
Anthracene	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 16:37	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 16:37	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 16:37	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 16:37	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 02:22	WG2202487
Chrysene	ND		10.0	1	01/19/2024 16:37	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 16:37	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 16:37	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/21/2024 02:22	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 16:37	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 16:37	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 02:22	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 16:37	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 02:22	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 02:22	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 02:22	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 02:22	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 02:22	WG2202487
Famphur	ND		200	1	01/21/2024 02:22	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 16:37	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 16:37	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 16:37	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 16:37	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 02:22	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 16:37	WG2202487
Isodrin	ND		10.0	1	01/21/2024 02:22	WG2202487
Isophorone	ND		10.0	1	01/19/2024 16:37	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 02:22	WG2202487
Kepone	ND		1.88	1	01/21/2024 02:22	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 02:22	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 02:22	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 02:22	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 16:37	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 16:37	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 02:22	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 02:22	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 02:22	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 02:22	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 16:37	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 02:22	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 16:37	WG2202487
Phenol	ND		10.0	1	01/19/2024 16:37	WG2202487
Phorate	ND		50.0	1	01/21/2024 02:22	WG2202487
Pronamide	ND		20.0	1	01/21/2024 02:22	WG2202487
Pyrene	ND		10.0	1	01/19/2024 16:37	WG2202487
Safrole	ND		50.0	1	01/21/2024 02:22	WG2202487
Thionazin	ND		10.0	1	01/21/2024 02:22	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 02:22	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 16:37	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 02:22	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 16:37	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 16:37	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 02:22	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 02:22	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 02:22	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 02:22	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 02:22	WG2202487
(S) 2-Fluorophenol	28.4			10.0-120	01/19/2024 16:37	WG2202487
(S) 2,4,6-Tribromophenol	96.5			10.0-155	01/19/2024 16:37	WG2202487
(S) p-Terphenyl-d14	30.6			10.0-128	01/19/2024 16:37	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	27.3			10.0-120	01/19/2024 16:37	WG2202487
(S) 2-Fluorobiphenyl	60.2			10.0-130	01/19/2024 16:37	WG2202487
(S) Nitrobenzene-d5	42.0			10.0-127	01/19/2024 16:37	WG2202487

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

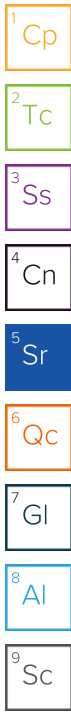
⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Units
pH (On Site)	5.96	su
Specific Conductance (on site)	4297	umhos/cm
Temperature (on-site)	9.4	Deg. C
Turbidity (on-site)	1.42	NTU
Dissolved Oxygen (on-site)	4.06	mg/l
eH/ORP (On Site)	-93.9	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	621		10.0	1	01/08/2024 14:00	WG2202559

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	441		10.0	1	01/09/2024 12:31	WG2203134
Alkalinity,Bicarbonate	441		10.0	1	01/09/2024 12:31	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 12:31	WG2203134

Sample Narrative:

L1693811-09 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	12.8	J5	0.158	5	01/09/2024 16:11	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/08/2024 19:54	WG2202378

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/07/2024 17:42	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND	J6	0.0100	1	01/08/2024 17:16	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	114	J6	3.00	1	01/06/2024 19:45	WG2202331
Sulfate	41.3		5.00	1	01/06/2024 19:45	WG2202331

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	11.3		1.00	1	01/08/2024 00:42	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 16:22	WG2202340

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	01/09/2024 17:08	WG2202942
Barium, Total Recoverable	0.481		0.00500	1	01/09/2024 17:08	WG2202942
Calcium, Total Recoverable	92.2		0.200	1	01/09/2024 17:08	WG2202942
Iron, Total Recoverable	20.3		0.0600	1	01/09/2024 17:08	WG2202942
Potassium, Total Recoverable	23.3		3.00	1	01/09/2024 17:08	WG2202942
Magnesium, Total Recoverable	17.2		0.200	1	01/09/2024 17:08	WG2202942
Manganese, Total Recoverable	3.83		0.00300	1	01/09/2024 17:08	WG2202942
Sodium, Total Recoverable	118		5.00	1	01/09/2024 17:08	WG2202942
Lead, Total Recoverable	ND		0.00500	1	01/09/2024 17:08	WG2202942
Selenium, Total Recoverable	ND		0.0100	1	01/09/2024 17:08	WG2202942
Tin, Total Recoverable	ND		0.100	1	01/09/2024 17:08	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0281		0.00500	1	01/26/2024 16:08	WG2202953
Beryllium, Total Recoverable	ND		0.00100	1	01/26/2024 16:08	WG2202953
Cadmium, Total Recoverable	ND		0.00100	1	01/26/2024 16:08	WG2202953
Cobalt, Total Recoverable	0.00642		0.00300	1	01/26/2024 16:08	WG2202953
Chromium, Total Recoverable	ND		0.00300	1	01/26/2024 16:08	WG2202953
Copper, Total Recoverable	ND		0.00400	1	01/26/2024 16:08	WG2202953
Nickel, Total Recoverable	0.00749		0.00400	1	01/26/2024 16:08	WG2202953
Antimony, Total Recoverable	ND		0.00200	1	01/26/2024 16:08	WG2202953
Thallium, Total Recoverable	ND		0.00100	1	01/26/2024 16:08	WG2202953
Vanadium, Total Recoverable	ND		0.00300	1	01/26/2024 16:08	WG2202953
Zinc, Total Recoverable	ND		0.00500	1	01/26/2024 16:08	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 14:27	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 14:27	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 14:27	WG2202578
1,2-Dibromoethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 14:27	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 14:27	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 14:27	WG2202578
1,4-Dichlorobenzene	4.16		1.00	1	01/07/2024 14:27	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 14:27	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 14:27	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 14:27	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 14:27	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		11.3	1	01/07/2024 14:27	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 14:27	WG2202578
Acrolein	ND		20.0	1	01/07/2024 14:27	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 14:27	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 14:27	WG2202578
Benzene	4.62		1.00	1	01/07/2024 14:27	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Bromoform	ND		1.00	1	01/07/2024 14:27	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 14:27	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 14:27	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 14:27	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 14:27	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Chloroform	ND		1.00	1	01/07/2024 14:27	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 14:27	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 14:27	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 14:27	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 14:27	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 14:27	WG2202578
Isobutanol	ND		110	1	01/07/2024 14:27	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 14:27	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 14:27	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 14:27	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 14:27	WG2202578
Styrene	ND		1.00	1	01/07/2024 14:27	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 14:27	WG2202578
Toluene	ND		1.00	1	01/07/2024 14:27	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 14:27	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 14:27	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 14:27	WG2202578
Vinyl chloride	1.06		1.00	1	01/07/2024 14:27	WG2202578
Xylenes, Total	ND		1.00	1	01/07/2024 14:27	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 14:27	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 14:27	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 14:27	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 14:27	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 14:27	WG2202578
(S) Toluene-d8	108			80.0-120	01/07/2024 14:27	WG2202578
(S) 1,2-Dichloroethane-d4	114			70.0-130	01/07/2024 14:27	WG2202578
(S) 4-Bromofluorobenzene	89.9			77.0-126	01/07/2024 14:27	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/11/2024 02:09	WG2202505
2,4,5-Tp (Silvex)	ND	J4	1.00	1	01/11/2024 02:09	WG2202505
2,4-D	ND	J4	4.00	1	01/11/2024 02:09	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	84.6			14.0-158	01/11/2024 02:09	WG2202505

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 14:11	WG2203305
4,4-DDE	ND		0.0500	1	01/10/2024 14:11	WG2203305
4,4-DDT	ND		0.0500	1	01/10/2024 14:11	WG2203305
Aldrin	ND		0.0500	1	01/10/2024 14:11	WG2203305
Alpha BHC	ND		0.0500	1	01/10/2024 14:11	WG2203305
Beta BHC	ND		0.500	1	01/10/2024 14:11	WG2203305
Chlordane	ND		0.500	1	01/10/2024 14:11	WG2203305
Delta BHC	ND		0.0500	1	01/10/2024 14:11	WG2203305
Dieldrin	ND		0.0500	1	01/10/2024 14:11	WG2203305
Endosulfan I	ND		0.0500	1	01/10/2024 14:11	WG2203305
Endosulfan II	ND		0.0500	1	01/10/2024 14:11	WG2203305
Endosulfan sulfate	ND		0.0500	1	01/10/2024 14:11	WG2203305
Endrin	ND		0.0500	1	01/10/2024 14:11	WG2203305
Endrin aldehyde	ND		0.0500	1	01/10/2024 14:11	WG2203305
Gamma BHC	ND		0.0500	1	01/10/2024 14:11	WG2203305
Heptachlor	ND		0.0500	1	01/10/2024 14:11	WG2203305
Heptachlor epoxide	ND		0.0500	1	01/10/2024 14:11	WG2203305
Methoxychlor	ND		0.100	1	01/10/2024 14:11	WG2203305
Toxaphene	ND		5.00	1	01/10/2024 14:11	WG2203305
(S) Decachlorobiphenyl	19.7			10.0-128	01/10/2024 14:11	WG2203305
(S) Tetrachloro-m-xylene	53.8			10.0-127	01/10/2024 14:11	WG2203305

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 14:11	WG2203305
PCB 1221	ND		1.00	1	01/10/2024 14:11	WG2203305
PCB 1232	ND		1.00	1	01/10/2024 14:11	WG2203305
PCB 1242	ND		1.00	1	01/10/2024 14:11	WG2203305
PCB 1248	ND		1.00	1	01/10/2024 14:11	WG2203305
PCB 1254	ND		1.00	1	01/10/2024 14:11	WG2203305
PCB 1260	ND		1.00	1	01/10/2024 14:11	WG2203305
(S) Decachlorobiphenyl	20.8			10.0-128	01/10/2024 14:11	WG2203305
(S) Tetrachloro-m-xylene	57.1			10.0-127	01/10/2024 14:11	WG2203305

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 16:59	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 16:59	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 02:40	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 02:40	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 02:40	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 02:40	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 16:59	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 16:59	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 16:59	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 16:59	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 16:59	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 16:59	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 16:59	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 16:59	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 02:40	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 16:59	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 02:40	WG2202487

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2-Chloronaphthalene	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 16:59	WG2202487
2-Methylnaphthalene	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 16:59	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 02:40	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 16:59	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 16:59	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 16:59	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 16:59	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 02:40	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 02:40	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 16:59	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 16:59	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 02:40	WG2202487
4-Bromophenyl-phenylether	ND	<u>J3</u>	50.0	1	01/19/2024 16:59	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 16:59	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 16:59	WG2202487
4-Chlorophenyl-phenylether	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 16:59	WG2202487
4-Nitrophenol	ND	<u>J4</u>	50.0	1	01/19/2024 16:59	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 02:40	WG2202487
Acenaphthene	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
Acenaphthylene	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 16:59	WG2202487
Anthracene	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 16:59	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 16:59	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 16:59	WG2202487
Bis(2-chlorethoxy)methane	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 16:59	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 02:40	WG2202487
Chrysene	ND		10.0	1	01/19/2024 16:59	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 16:59	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 16:59	WG2202487
Diallate	ND		20.0	1	01/21/2024 02:40	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 16:59	WG2202487
Dibenzofuran	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 16:59	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 02:40	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 16:59	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 02:40	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 02:40	WG2202487
Diphenylamine	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 02:40	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 02:40	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 02:40	WG2202487
Famphur	ND		200	1	01/21/2024 02:40	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 16:59	WG2202487
Fluorene	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 16:59	WG2202487
Hexachlorobenzene	ND	<u>J3</u>	10.0	1	01/19/2024 16:59	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 16:59	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 16:59	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 02:40	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 16:59	WG2202487
Isodrin	ND		10.0	1	01/21/2024 02:40	WG2202487
Isophorone	ND		10.0	1	01/19/2024 16:59	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 02:40	WG2202487
Kepone	ND		1.88	1	01/21/2024 02:40	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 02:40	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 02:40	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 02:40	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 16:59	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 16:59	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 02:40	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 02:40	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 02:40	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 02:40	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 16:59	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 02:40	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 16:59	WG2202487
Phenol	ND		10.0	1	01/19/2024 16:59	WG2202487
Phorate	ND		50.0	1	01/21/2024 02:40	WG2202487
Pronamide	ND		20.0	1	01/21/2024 02:40	WG2202487
Pyrene	ND		10.0	1	01/19/2024 16:59	WG2202487
Safrole	ND		50.0	1	01/21/2024 02:40	WG2202487
Thionazin	ND		10.0	1	01/21/2024 02:40	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 02:40	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 16:59	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 02:40	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 16:59	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 16:59	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 02:40	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 02:40	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 02:40	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 02:40	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 02:40	WG2202487
(S) 2-Fluorophenol	26.1			10.0-120	01/19/2024 16:59	WG2202487
(S) 2,4,6-Tribromophenol	113			10.0-155	01/19/2024 16:59	WG2202487
(S) p-Terphenyl-d14	94.2			10.0-128	01/19/2024 16:59	WG2202487
(S) Phenol-d5	19.2			10.0-120	01/19/2024 16:59	WG2202487
(S) 2-Fluorobiphenyl	53.1			10.0-130	01/19/2024 16:59	WG2202487
(S) Nitrobenzene-d5	50.0			10.0-127	01/19/2024 16:59	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

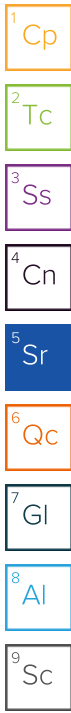
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.61	su
Specific Conductance (on site)	15901	umhos/cm
Temperature (on-site)	23.8	Deg. C
Turbidity (on-site)	2.82	NTU
Dissolved Oxygen (on-site)	2.58	mg/l
eH/ORP (On Site)	-172.2	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	7360		113	1	01/08/2024 14:00	WG2202559

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	8880		10.0	1	01/09/2024 12:47	WG2203134
Alkalinity,Bicarbonate	8880		10.0	1	01/09/2024 12:47	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 12:47	WG2203134

Sample Narrative:

L1693811-10 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1900		6.34	200	01/09/2024 15:33	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:14	WG2202378

Sample Narrative:

L1693811-10 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	5	01/07/2024 17:43	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:21	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1920		5.19	100	01/06/2024 20:36	WG2202331
Sulfate	19.2	J	7.74	100	01/06/2024 20:36	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-10 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	962		5.10	50	01/08/2024 02:26	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 17:03	WG2202340

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:11	WG2202942
Barium, Total Recoverable	1.08		0.0153	9	01/09/2024 17:11	WG2202942
Calcium, Total Recoverable	49.8		0.417	9	01/09/2024 17:11	WG2202942
Iron, Total Recoverable	4.05		0.127	9	01/09/2024 17:11	WG2202942
Potassium, Total Recoverable	585		3.00	9	01/09/2024 17:11	WG2202942
Magnesium, Total Recoverable	36.6		0.200	9	01/09/2024 17:11	WG2202942
Manganese, Total Recoverable	0.607		0.0108	9	01/09/2024 17:11	WG2202942
Sodium, Total Recoverable	1990		5.00	9	01/09/2024 17:11	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 17:11	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:11	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:11	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.108		0.00500	9	01/26/2024 16:36	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:36	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:36	WG2202953
Cobalt, Total Recoverable	0.0801		0.00300	9	01/26/2024 16:36	WG2202953
Chromium, Total Recoverable	0.286		0.00486	9	01/26/2024 16:36	WG2202953
Copper, Total Recoverable	0.0739		0.00468	9	01/26/2024 16:36	WG2202953
Nickel, Total Recoverable	0.365		0.00400	9	01/26/2024 16:36	WG2202953
Antimony, Total Recoverable	0.0157	J	0.00679	9	01/26/2024 16:36	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:36	WG2202953
Vanadium, Total Recoverable	0.280		0.00300	9	01/26/2024 16:36	WG2202953
Zinc, Total Recoverable	0.394		0.0230	9	01/26/2024 16:36	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 14:47	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 14:47	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 14:47	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 14:47	WG2202578
1,2-Dichloroethane	1.01		1.00	1	01/07/2024 14:47	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 14:47	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 14:47	WG2202578
1,4-Dichlorobenzene	9.34		1.00	1	01/07/2024 14:47	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 14:47	WG2202578
2-Butanone (MEK)	27.8		5.00	1	01/07/2024 14:47	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 14:47	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 14:47	WG2202578
Acetone	25.0	J	11.3	1	01/07/2024 14:47	WG2202578
Acetonitrile	103		30.0	1	01/07/2024 14:47	WG2202578
Acrolein	ND		20.0	1	01/07/2024 14:47	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 14:47	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 14:47	WG2202578
Benzene	3.21		1.00	1	01/07/2024 14:47	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Bromoform	ND		1.00	1	01/07/2024 14:47	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 14:47	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 14:47	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 14:47	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 14:47	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Chloroform	ND		1.00	1	01/07/2024 14:47	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 14:47	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 14:47	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 14:47	WG2202578
Ethylbenzene	13.7		1.00	1	01/07/2024 14:47	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 14:47	WG2202578
Isobutanol	ND		110	1	01/07/2024 14:47	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 14:47	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 14:47	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 14:47	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 14:47	WG2202578
Styrene	2.48		1.00	1	01/07/2024 14:47	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 14:47	WG2202578
Toluene	37.4		1.00	1	01/07/2024 14:47	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 14:47	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 14:47	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 14:47	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 14:47	WG2202578
Xylenes, Total	50.5		1.00	1	01/07/2024 14:47	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 14:47	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 14:47	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 14:47	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 14:47	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 14:47	WG2202578
(S) Toluene-d8	105			80.0-120	01/07/2024 14:47	WG2202578
(S) 1,2-Dichloroethane-d4	115			70.0-130	01/07/2024 14:47	WG2202578
(S) 4-Bromofluorobenzene	89.7			77.0-126	01/07/2024 14:47	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	42.2	50	01/17/2024 09:33	WG2202505
2,4,5-Tp (Silvex)	ND	<u>J4</u>	42.3	50	01/17/2024 09:33	WG2202505
2,4-D	ND	<u>J4</u>	37.2	50	01/17/2024 21:19	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	132	<u>J7</u>		14.0-158	01/17/2024 21:19	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	212	<u>J7</u>		14.0-158	01/17/2024 09:33	WG2202505

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1693811-10 WG2202505: Dilution due to matrix impact on instrumentation at lower dilution

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 15:31	WG2203305
4,4-DDE	ND		0.0500	1	01/10/2024 15:31	WG2203305
4,4-DDT	ND		0.0500	1	01/10/2024 15:31	WG2203305
Aldrin	ND		0.0500	1	01/10/2024 15:31	WG2203305
Alpha BHC	ND		0.0500	1	01/10/2024 15:31	WG2203305
Beta BHC	ND		0.500	1	01/10/2024 15:31	WG2203305
Chlordane	ND		0.500	1	01/10/2024 15:31	WG2203305
Delta BHC	ND		0.0500	1	01/10/2024 15:31	WG2203305
Dieldrin	ND		0.0500	1	01/10/2024 15:31	WG2203305
Endosulfan I	1.49		0.0500	1	01/10/2024 15:31	WG2203305
Endosulfan II	ND		0.0500	1	01/10/2024 15:31	WG2203305
Endosulfan sulfate	ND		0.0500	1	01/10/2024 15:31	WG2203305
Endrin	ND		0.0500	1	01/10/2024 15:31	WG2203305
Endrin aldehyde	ND		0.0500	1	01/10/2024 15:31	WG2203305
Gamma BHC	ND		0.0500	1	01/10/2024 15:31	WG2203305
Heptachlor	ND		0.0500	1	01/10/2024 15:31	WG2203305
Heptachlor epoxide	ND		0.0500	1	01/10/2024 15:31	WG2203305
Methoxychlor	ND		0.100	1	01/10/2024 15:31	WG2203305
Toxaphene	ND		5.00	1	01/10/2024 15:31	WG2203305
(S) Decachlorobiphenyl	10.9			10.0-128	01/10/2024 15:31	WG2203305
(S) Tetrachloro-m-xylene	3.79	<u>J2</u>		10.0-127	01/10/2024 15:31	WG2203305

Sample Narrative:

L1693811-10 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compli

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 01:25	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 01:25	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 01:25	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 01:25	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 01:25	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 01:25	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 01:25	WG2203305
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/11/2024 01:25	WG2203305
(S) Tetrachloro-m-xylene	26.5			10.0-127	01/11/2024 01:25	WG2203305

Sample Narrative:

L1693811-10 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data.

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 17:42	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 17:42	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 02:57	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 02:57	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 02:57	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 02:57	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 17:42	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 17:42	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 17:42	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 17:42	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 17:42	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 17:42	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 02:57	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 17:42	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 02:57	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 17:42	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
2-Methylphenol	14.0		10.0	1	01/19/2024 17:42	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 02:57	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 17:42	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 17:42	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 17:42	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 17:42	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 02:57	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 02:57	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 17:42	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 17:42	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 02:57	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 17:42	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 17:42	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 17:42	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 17:42	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 17:42	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 02:57	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 17:42	WG2202487
Anthracene	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 17:42	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 17:42	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 17:42	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 17:42	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 02:57	WG2202487
Chrysene	ND		10.0	1	01/19/2024 17:42	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 17:42	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 17:42	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/21/2024 02:57	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 17:42	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 17:42	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 02:57	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 17:42	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 02:57	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 02:57	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 02:57	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 02:57	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 02:57	WG2202487
Famphur	ND		200	1	01/21/2024 02:57	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 17:42	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 17:42	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 17:42	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 17:42	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 02:57	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 17:42	WG2202487
Isodrin	ND		10.0	1	01/21/2024 02:57	WG2202487
Isophorone	ND		10.0	1	01/19/2024 17:42	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 02:57	WG2202487
Kepone	ND		1.88	1	01/21/2024 02:57	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 02:57	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 02:57	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 02:57	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 17:42	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 17:42	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 02:57	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 02:57	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 02:57	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 02:57	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 17:42	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 02:57	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 17:42	WG2202487
Phenol	ND		10.0	1	01/19/2024 17:42	WG2202487
Phorate	ND		50.0	1	01/21/2024 02:57	WG2202487
Pronamide	ND		20.0	1	01/21/2024 02:57	WG2202487
Pyrene	ND		10.0	1	01/19/2024 17:42	WG2202487
Safrole	ND		50.0	1	01/21/2024 02:57	WG2202487
Thionazin	ND		10.0	1	01/21/2024 02:57	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 02:57	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 17:42	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 02:57	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 17:42	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 17:42	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 02:57	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 02:57	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 02:57	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 02:57	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 02:57	WG2202487
(S) 2-Fluorophenol	29.5			10.0-120	01/19/2024 17:42	WG2202487
(S) 2,4,6-Tribromophenol	91.0			10.0-155	01/19/2024 17:42	WG2202487
(S) p-Terphenyl-d14	4.42	J2		10.0-128	01/19/2024 17:42	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	41.2			10.0-120	01/19/2024 17:42	WG2202487
(S) 2-Fluorobiphenyl	28.6			10.0-130	01/19/2024 17:42	WG2202487
(S) Nitrobenzene-d5	28.5			10.0-127	01/19/2024 17:42	WG2202487

Sample Narrative:

L1693811-10 WG2202487: Surrogate failure due to matrix interference

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)	7.59	su
Specific Conductance (on site)	39746	umhos/cm
Temperature (on-site)	22.4	Deg. C
Turbidity (on-site)	154.21	NTU
Dissolved Oxygen (on-site)	4.78	mg/l
eH/ORP (On Site)	-154.7	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	11400		113	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	12200		10.0	1	01/09/2024 12:54	WG2203134
Alkalinity,Bicarbonate	12200		10.0	1	01/09/2024 12:54	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 12:54	WG2203134

Sample Narrative:

L1693811-11 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	1970		6.34	200	01/09/2024 15:35	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	17.0		0.985	50	01/08/2024 20:16	WG2202378

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	2	01/07/2024 17:47	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0180	10	01/08/2024 17:22	WG2202705

Sample Narrative:

L1693811-11 WG2202705: dilution due to reactive matrix

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	2370		5.19	100	01/06/2024 20:49	WG2202331
Sulfate	33.5	J	7.74	100	01/06/2024 20:49	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-11 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1360		5.10	50	01/08/2024 02:50	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 17:05	WG2202340

Metals (ICP) by Method 6010B

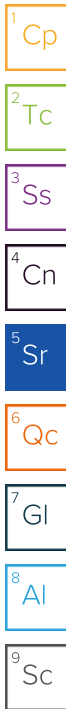
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:20	WG2202942
Barium, Total Recoverable	7.29		0.0153	9	01/09/2024 17:20	WG2202942
Calcium, Total Recoverable	46.4		0.417	9	01/09/2024 17:20	WG2202942
Iron, Total Recoverable	13.9		0.127	9	01/09/2024 17:20	WG2202942
Potassium, Total Recoverable	737		3.00	9	01/09/2024 17:20	WG2202942
Magnesium, Total Recoverable	126		0.200	9	01/09/2024 17:20	WG2202942
Manganese, Total Recoverable	0.394		0.0108	9	01/09/2024 17:20	WG2202942
Sodium, Total Recoverable	3910		5.00	9	01/09/2024 17:20	WG2202942
Lead, Total Recoverable	0.0247	J	0.0171	9	01/09/2024 17:20	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:20	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:20	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.292		0.00500	9	01/26/2024 16:39	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:39	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:39	WG2202953
Cobalt, Total Recoverable	0.0987		0.00300	9	01/26/2024 16:39	WG2202953
Chromium, Total Recoverable	0.589		0.00486	9	01/26/2024 16:39	WG2202953
Copper, Total Recoverable	0.0669		0.00468	9	01/26/2024 16:39	WG2202953
Nickel, Total Recoverable	0.449		0.00400	9	01/26/2024 16:39	WG2202953
Antimony, Total Recoverable	0.0377		0.00679	9	01/26/2024 16:39	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:39	WG2202953
Vanadium, Total Recoverable	0.373		0.00300	9	01/26/2024 16:39	WG2202953
Zinc, Total Recoverable	0.365		0.0230	9	01/26/2024 16:39	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.20	10	01/07/2024 16:50	WG2202578
1,1,1-Trichloroethane	ND		1.00	10	01/07/2024 16:50	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.30	10	01/07/2024 16:50	WG2202578
1,1,2-Trichloroethane	ND		1.86	10	01/07/2024 16:50	WG2202578
1,1-Dichloroethane	ND		1.14	10	01/07/2024 16:50	WG2202578
1,1-Dichloroethene	ND		1.88	10	01/07/2024 16:50	WG2202578
1,1-Dichloropropene	ND		1.28	10	01/07/2024 16:50	WG2202578
1,2,3-Trichloropropane	ND		2.47	10	01/07/2024 16:50	WG2202578
1,2-Dibromo-3-Chloropropane	ND		3.25	10	01/07/2024 16:50	WG2202578



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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.93	10	01/07/2024 16:50	WG2202578
1,2-Dichlorobenzene	ND		1.01	10	01/07/2024 16:50	WG2202578
1,2-Dichloroethane	ND		1.08	10	01/07/2024 16:50	WG2202578
1,2-Dichloropropane	ND		1.90	10	01/07/2024 16:50	WG2202578
1,3-Dichlorobenzene	ND		1.30	10	01/07/2024 16:50	WG2202578
1,3-Dichloropropane	ND		1.47	10	01/07/2024 16:50	WG2202578
1,4-Dichlorobenzene	1.40	U	1.21	10	01/07/2024 16:50	WG2202578
2,2-Dichloropropane	ND		5.00	10	01/07/2024 16:50	WG2202578
2-Butanone (MEK)	26.8	U	12.8	10	01/07/2024 16:50	WG2202578
2-Hexanone	ND		7.57	10	01/07/2024 16:50	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		8.23	10	01/07/2024 16:50	WG2202578
Acetone	35.1	U	11.3	10	01/07/2024 16:50	WG2202578
Acetonitrile	ND		150	10	01/07/2024 16:50	WG2202578
Acrolein	ND		88.7	10	01/07/2024 16:50	WG2202578
Acrylonitrile	ND		20.0	10	01/07/2024 16:50	WG2202578
Allyl chloride	ND		17.0	10	01/07/2024 16:50	WG2202578
Benzene	2.14	U	1.00	10	01/07/2024 16:50	WG2202578
Bromochloromethane	ND		1.45	10	01/07/2024 16:50	WG2202578
Bromodichloromethane	ND		1.00	10	01/07/2024 16:50	WG2202578
Bromoform	ND		1.86	10	01/07/2024 16:50	WG2202578
Bromomethane	ND	U4	1.57	10	01/07/2024 16:50	WG2202578
Carbon disulfide	ND		1.01	10	01/07/2024 16:50	WG2202578
Carbon tetrachloride	ND		1.59	10	01/07/2024 16:50	WG2202578
Chlorobenzene	ND		1.40	10	01/07/2024 16:50	WG2202578
Chloroethane	ND		1.41	10	01/07/2024 16:50	WG2202578
Chloroform	ND		1.00	10	01/07/2024 16:50	WG2202578
Chloromethane	5.14	U	1.53	10	01/07/2024 16:50	WG2202578
Chloroprene	ND		17.0	10	01/07/2024 16:50	WG2202578
Dibromochloromethane	ND		1.28	10	01/07/2024 16:50	WG2202578
Dibromomethane	ND		1.17	10	01/07/2024 16:50	WG2202578
Dichlorodifluoromethane	ND		2.00	10	01/07/2024 16:50	WG2202578
Ethyl methacrylate	ND		14.0	10	01/07/2024 16:50	WG2202578
Ethylbenzene	1.64	U	1.58	10	01/07/2024 16:50	WG2202578
Iodomethane	ND	U4	3.77	10	01/07/2024 16:50	WG2202578
Isobutanol	ND		390	10	01/07/2024 16:50	WG2202578
Methacrylonitrile	ND		130	10	01/07/2024 16:50	WG2202578
Methyl methacrylate	ND		12.0	10	01/07/2024 16:50	WG2202578
Methylene Chloride	ND		10.7	10	01/07/2024 16:50	WG2202578
Propionitrile	ND		130	10	01/07/2024 16:50	WG2202578
Styrene	ND		1.17	10	01/07/2024 16:50	WG2202578
Tetrachloroethene	ND		1.99	10	01/07/2024 16:50	WG2202578
Toluene	ND		4.12	10	01/07/2024 16:50	WG2202578
Trichloroethene	ND		1.53	10	01/07/2024 16:50	WG2202578
Trichlorofluoromethane	ND		1.30	10	01/07/2024 16:50	WG2202578
Vinyl acetate	ND		6.45	10	01/07/2024 16:50	WG2202578
Vinyl chloride	ND		1.18	10	01/07/2024 16:50	WG2202578
Xylenes, Total	5.76	U	3.16	10	01/07/2024 16:50	WG2202578
cis-1,2-Dichloroethene	ND		1.00	10	01/07/2024 16:50	WG2202578
cis-1,3-Dichloropropene	ND		1.00	10	01/07/2024 16:50	WG2202578
trans-1,2-Dichloroethene	ND		1.52	10	01/07/2024 16:50	WG2202578
trans-1,3-Dichloropropene	ND		2.22	10	01/07/2024 16:50	WG2202578
trans-1,4-Dichloro-2-butene	ND		2.57	10	01/07/2024 16:50	WG2202578
(S) Toluene-d8	107			80.0-120	01/07/2024 16:50	WG2202578
(S) 1,2-Dichloroethane-d4	106			70.0-130	01/07/2024 16:50	WG2202578
(S) 4-Bromofluorobenzene	89.9			77.0-126	01/07/2024 16:50	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	

Sample Narrative:

L1693811-11 WG2202578: Lowest possible dilution due to sample matrix.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	16.9	20	01/17/2024 08:59	WG2202505
2,4,5-Tp (Silvex)	ND	<u>J4</u>	16.9	20	01/17/2024 08:59	WG2202505
2,4-D	ND	<u>J4</u>	14.9	20	01/17/2024 20:45	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	113	<u>J7</u>		14.0-158	01/17/2024 20:45	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	88.0	<u>J7</u>		14.0-158	01/17/2024 08:59	WG2202505

Sample Narrative:

L1693811-11 WG2202505: Dilution due to matrix impact on instrumentation at lower dilution

Pesticides (GC) by Method 8081

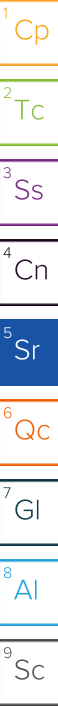
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 15:40	WG2203305
4,4-DDE	ND		0.0500	1	01/10/2024 15:40	WG2203305
4,4-DDT	ND		0.0500	1	01/10/2024 15:40	WG2203305
Aldrin	ND		0.0500	1	01/10/2024 15:40	WG2203305
Alpha BHC	ND		0.0500	1	01/10/2024 15:40	WG2203305
Beta BHC	ND		0.500	1	01/10/2024 15:40	WG2203305
Chlordane	ND		0.500	1	01/10/2024 15:40	WG2203305
Delta BHC	ND		0.0500	1	01/10/2024 15:40	WG2203305
Dieldrin	ND		0.0500	1	01/10/2024 15:40	WG2203305
Endosulfan I	1.34		0.0500	1	01/10/2024 15:40	WG2203305
Endosulfan II	ND		0.0500	1	01/10/2024 15:40	WG2203305
Endosulfan sulfate	ND		0.0500	1	01/10/2024 15:40	WG2203305
Endrin	ND		0.0500	1	01/10/2024 15:40	WG2203305
Endrin aldehyde	ND		0.0500	1	01/10/2024 15:40	WG2203305
Gamma BHC	ND		0.0500	1	01/10/2024 15:40	WG2203305
Heptachlor	ND		0.0500	1	01/10/2024 15:40	WG2203305
Heptachlor epoxide	ND		0.0500	1	01/10/2024 15:40	WG2203305
Methoxychlor	ND		0.100	1	01/10/2024 15:40	WG2203305
Toxaphene	ND		5.00	1	01/10/2024 15:40	WG2203305
(S) Decachlorobiphenyl	1.20	<u>J2</u>		10.0-128	01/10/2024 15:40	WG2203305
(S) Tetrachloro-m-xylene	2.90	<u>J2</u>		10.0-127	01/10/2024 15:40	WG2203305

Sample Narrative:

L1693811-11 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant dat

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 01:35	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 01:35	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 01:35	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 01:35	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 01:35	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 01:35	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 01:35	WG2203305



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/11/2024 01:35	WG2203305
(S) Tetrachloro-m-xylene	7.07	<u>J2</u>		10.0-127	01/11/2024 01:35	WG2203305

Sample Narrative:

L1693811-11 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/19/2024 18:48	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	5	01/19/2024 18:48	WG2202487
1,3,5-Trinitrobenzene	ND		66.0	50	01/25/2024 02:16	WG2202487
1,3-Dinitrobenzene	ND		18.0	50	01/25/2024 02:16	WG2202487
1,4-Naphthoquinone	ND	<u>J4</u>	278	50	01/25/2024 02:16	WG2202487
1-Naphthylamine	ND		14.4	50	01/25/2024 02:16	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		22.2	50	01/24/2024 15:21	WG2202487
2,3,4,6-Tetrachlorophenol	ND	<u>J3</u>	50.0	5	01/19/2024 18:48	WG2202487
2,4,5-Trichlorophenol	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
2,4,6-Trichlorophenol	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
2,4-Dichlorophenol	ND		10.0	5	01/19/2024 18:48	WG2202487
2,4-Dimethylphenol	ND		10.0	5	01/19/2024 18:48	WG2202487
2,4-Dinitrophenol	ND		50.0	5	01/19/2024 18:48	WG2202487
2,4-Dinitrotoluene	ND		10.0	5	01/19/2024 18:48	WG2202487
2,6-Dichlorophenol	ND		138	50	01/25/2024 02:16	WG2202487
2,6-Dinitrotoluene	ND		10.0	5	01/19/2024 18:48	WG2202487
2-Acetylaminofluorene	ND		100	50	01/25/2024 02:16	WG2202487
2-Chloronaphthalene	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
2-Chlorophenol	ND		14.1	50	01/24/2024 15:21	WG2202487
2-Methylnaphthalene	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
2-Methylphenol	38.0	<u>J</u>	15.6	50	01/24/2024 15:21	WG2202487
2-Naphthylamine	ND		10.0	50	01/25/2024 02:16	WG2202487
2-Nitroaniline	ND		50.0	5	01/19/2024 18:48	WG2202487
2-Nitrophenol	ND		10.0	5	01/19/2024 18:48	WG2202487
3&4-Methyl Phenol	56.3	<u>J</u>	13.3	50	01/24/2024 15:21	WG2202487
3,3-Dichlorobenzidine	ND		50.0	5	01/19/2024 18:48	WG2202487
3,3-Dimethylbenzidine	ND		169	50	01/25/2024 02:16	WG2202487
3-Methylcholanthrene	ND		20.0	50	01/25/2024 02:16	WG2202487
3-Nitroaniline	ND		50.0	5	01/19/2024 18:48	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/19/2024 18:48	WG2202487
4-Aminobiphenyl	ND		23.0	50	01/25/2024 02:16	WG2202487
4-Bromophenyl-phenylether	ND	<u>J3</u>	50.0	5	01/19/2024 18:48	WG2202487
4-Chloro-3-methylphenol	ND		10.0	5	01/19/2024 18:48	WG2202487
4-Chloroaniline	ND		10.0	5	01/19/2024 18:48	WG2202487
4-Chlorophenyl-phenylether	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
4-Nitroaniline	ND		50.0	5	01/19/2024 18:48	WG2202487
4-Nitrophenol	ND	<u>J4</u>	50.0	5	01/19/2024 18:48	WG2202487
5-Nitro-o-toluidine	ND		99.5	50	01/25/2024 02:16	WG2202487
Acenaphthene	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
Acenaphthylene	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
Acetophenone	ND		136	50	01/24/2024 15:21	WG2202487
Anthracene	ND		10.0	5	01/19/2024 18:48	WG2202487
Benzo(A)Anthracene	ND		10.0	5	01/19/2024 18:48	WG2202487
Benzo(a)pyrene	ND		10.0	5	01/19/2024 18:48	WG2202487
Benzo(b)fluoranthene	ND		10.0	5	01/19/2024 18:48	WG2202487
Benzo(g,h,i)perylene	ND		10.0	5	01/19/2024 18:48	WG2202487
Benzo(k)fluoranthene	ND		10.0	5	01/19/2024 18:48	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Benzyl Alcohol	ND		19.7	50	01/24/2024 15:21	WG2202487
Benzylbutyl phthalate	ND		10.0	5	01/19/2024 18:48	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/19/2024 18:48	WG2202487
Bis(2-chloroethoxy)methane	ND	J3	10.0	5	01/19/2024 18:48	WG2202487
Bis(2-chloroethyl)ether	ND		81.0	50	01/24/2024 15:21	WG2202487
Chlorobenzilate	ND		66.5	50	01/25/2024 02:16	WG2202487
Chrysene	ND		10.0	5	01/19/2024 18:48	WG2202487
Di-n-butyl phthalate	ND		10.0	5	01/19/2024 18:48	WG2202487
Di-n-octyl phthalate	ND		10.0	5	01/19/2024 18:48	WG2202487
Diallate	ND		26.2	50	01/25/2024 02:16	WG2202487
Dibenz(a,h)anthracene	ND		20.0	5	01/19/2024 18:48	WG2202487
Dibenzofuran	ND	J3	10.0	5	01/19/2024 18:48	WG2202487
Diethyl phthalate	ND		10.0	5	01/19/2024 18:48	WG2202487
Dimethoate	ND		72.0	50	01/25/2024 02:16	WG2202487
Dimethyl phthalate	ND		10.0	5	01/19/2024 18:48	WG2202487
Dimethylbenz (A) Anthracene	ND		85.5	50	01/25/2024 02:16	WG2202487
Dinoseb	ND		895	50	01/25/2024 02:16	WG2202487
Diphenylamine	ND	J3	10.0	5	01/19/2024 18:48	WG2202487
Disulfoton	ND		50.0	50	01/25/2024 02:16	WG2202487
Ethyl methanesulfonate	ND		16.3	50	01/25/2024 02:16	WG2202487
Ethyl parathion	ND		50.0	50	01/25/2024 02:16	WG2202487
Famphur	ND		200	50	01/25/2024 02:16	WG2202487
Fluoranthene	ND		1.55	5	01/19/2024 18:48	WG2202487
Fluorene	ND	J3	10.0	5	01/19/2024 18:48	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	5	01/19/2024 18:48	WG2202487
Hexachlorobenzene	ND	J3	10.0	5	01/19/2024 18:48	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	5	01/19/2024 18:48	WG2202487
Hexachloroethane	ND		18.3	50	01/24/2024 15:21	WG2202487
Hexachloropropene	ND		100	50	01/25/2024 02:16	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/19/2024 18:48	WG2202487
Isodrin	ND		14.7	50	01/25/2024 02:16	WG2202487
Isophorone	ND		10.0	5	01/19/2024 18:48	WG2202487
Isosafrole	ND		20.5	50	01/25/2024 02:16	WG2202487
Kepone	ND		94.0	50	01/25/2024 02:16	WG2202487
Methapyrilene	ND		213	50	01/25/2024 02:16	WG2202487
Methyl methanesulfonate	ND		50.0	50	01/25/2024 02:16	WG2202487
Methyl parathion	ND		10.7	50	01/25/2024 02:16	WG2202487
Naphthalene	ND		10.0	5	01/19/2024 18:48	WG2202487
Nitrobenzene	ND		10.0	5	01/19/2024 18:48	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	50	01/25/2024 02:16	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	50	01/25/2024 02:16	WG2202487
Pentachlorobenzene	ND		18.5	50	01/25/2024 02:16	WG2202487
Pentachloronitrobenzene	ND		50.0	50	01/25/2024 02:16	WG2202487
Pentachlorophenol	ND	J3	50.0	5	01/19/2024 18:48	WG2202487
Phenacetin	ND		13.1	50	01/25/2024 02:16	WG2202487
Phenanthrene	ND		20.0	5	01/19/2024 18:48	WG2202487
Phenol	ND		16.7	50	01/24/2024 15:21	WG2202487
Phorate	ND		50.0	50	01/25/2024 02:16	WG2202487
Pronamide	ND		20.0	50	01/25/2024 02:16	WG2202487
Pyrene	ND		10.0	5	01/19/2024 18:48	WG2202487
Safrole	ND		50.0	50	01/25/2024 02:16	WG2202487
Thionazin	ND		10.2	50	01/25/2024 02:16	WG2202487
n-Nitrosodi-n-butylamine	ND		16.6	50	01/25/2024 02:16	WG2202487
n-Nitrosodi-n-propylamine	ND		20.1	50	01/24/2024 15:21	WG2202487
n-Nitrosodiethylamine	ND		24.9	50	01/25/2024 02:16	WG2202487
n-Nitrosodimethylamine	ND		63.0	50	01/24/2024 15:21	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
n-Nitrosodiphenylamine	ND	<u>J3</u>	10.0	5	01/19/2024 18:48	WG2202487
n-Nitrosomethylethylamine	ND		85.5	50	01/25/2024 02:16	WG2202487
n-Nitrosopiperidine	ND		13.4	50	01/25/2024 02:16	WG2202487
n-Nitrosopyrrolidine	ND		128	50	01/25/2024 02:16	WG2202487
o-Toluidine	ND		18.1	50	01/25/2024 02:16	WG2202487
p-Phenylenediamine	ND	<u>J4</u>	19400	50	01/25/2024 02:16	WG2202487
(S) 2-Fluorophenol	14.6	<u>J7</u>		10.0-120	01/24/2024 15:21	WG2202487
(S) 2-Fluorophenol	32.6			10.0-120	01/19/2024 18:48	WG2202487
(S) 2,4,6-Tribromophenol	43.6	<u>J7</u>		10.0-155	01/24/2024 15:21	WG2202487
(S) 2,4,6-Tribromophenol	78.0			10.0-155	01/19/2024 18:48	WG2202487
(S) p-Terphenyl-d14	4.09	<u>J7</u>		10.0-128	01/24/2024 15:21	WG2202487
(S) p-Terphenyl-d14	6.21	<u>J2</u>		10.0-128	01/19/2024 18:48	WG2202487
(S) Phenol-d5	25.9	<u>J7</u>		10.0-120	01/24/2024 15:21	WG2202487
(S) Phenol-d5	39.5			10.0-120	01/19/2024 18:48	WG2202487
(S) 2-Fluorobiphenyl	24.7			10.0-130	01/19/2024 18:48	WG2202487
(S) 2-Fluorobiphenyl	23.9	<u>J7</u>		10.0-130	01/24/2024 15:21	WG2202487
(S) Nitrobenzene-d5	32.8			10.0-127	01/19/2024 18:48	WG2202487
(S) Nitrobenzene-d5	74.2	<u>J7</u>		10.0-127	01/24/2024 15:21	WG2202487

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1693811-11 WG2202487: Dilution and surrogate failure due to matrix interference.
 L1693811-11 WG2202487: IS/SURR failed on lower dilution.

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

Analyte	Result	Units
pH (On Site)	6.95	su
Specific Conductance (on site)	29373	umhos/cm
Temperature (on-site)	18.5	Deg. C
Turbidity (on-site)	27.3	NTU
Dissolved Oxygen (on-site)	3.83	mg/l
eH/ORP (On Site)	-157.4	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	4900		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	6700		10.0	1	01/09/2024 13:01	WG2203134
Alkalinity,Bicarbonate	6700		10.0	1	01/09/2024 13:01	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:01	WG2203134

Sample Narrative:

L1693811-12 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	864		6.34	200	01/09/2024 15:36	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:18	WG2202378

Sample Narrative:

L1693811-12 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/07/2024 17:48	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:26	WG2202705

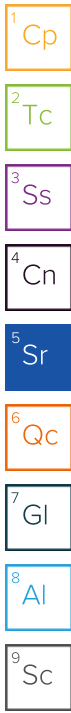
Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1050		5.19	100	01/06/2024 21:02	WG2202331
Sulfate	30.5	J	7.74	100	01/06/2024 21:02	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-12 WG2202331: S04 BDL, dilution needed due to sample matrix color						



Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	626		10.2	100	01/08/2024 03:10	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 17:08	WG2202340

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:23	WG2202942
Barium, Total Recoverable	3.48		0.0153	9	01/09/2024 17:23	WG2202942
Calcium, Total Recoverable	37.7		0.417	9	01/09/2024 17:23	WG2202942
Iron, Total Recoverable	6.91		0.127	9	01/09/2024 17:23	WG2202942
Potassium, Total Recoverable	229		3.00	9	01/09/2024 17:23	WG2202942
Magnesium, Total Recoverable	98.6		0.200	9	01/09/2024 17:23	WG2202942
Manganese, Total Recoverable	0.227		0.0108	9	01/09/2024 17:23	WG2202942
Sodium, Total Recoverable	1720		5.00	9	01/09/2024 17:23	WG2202942
Lead, Total Recoverable	0.0225	J	0.0171	9	01/09/2024 17:23	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:23	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:23	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.110		0.00500	9	01/26/2024 16:43	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:43	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:43	WG2202953
Cobalt, Total Recoverable	0.0355		0.00300	9	01/26/2024 16:43	WG2202953
Chromium, Total Recoverable	0.161		0.00486	9	01/26/2024 16:43	WG2202953
Copper, Total Recoverable	0.00897	J	0.00468	9	01/26/2024 16:43	WG2202953
Nickel, Total Recoverable	0.174		0.00400	9	01/26/2024 16:43	WG2202953
Antimony, Total Recoverable	ND		0.00679	9	01/26/2024 16:43	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:43	WG2202953
Vanadium, Total Recoverable	0.108		0.00300	9	01/26/2024 16:43	WG2202953
Zinc, Total Recoverable	0.0926	J	0.0230	9	01/26/2024 16:43	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 15:08	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 15:08	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 15:08	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 15:08	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 15:08	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 15:08	WG2202578
1,4-Dichlorobenzene	2.23		1.00	1	01/07/2024 15:08	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 15:08	WG2202578
2-Butanone (MEK)	6.97		5.00	1	01/07/2024 15:08	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 15:08	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 15:08	WG2202578
Acetone	13.0	J	11.3	1	01/07/2024 15:08	WG2202578
Acetonitrile	73.3		30.0	1	01/07/2024 15:08	WG2202578
Acrolein	ND		20.0	1	01/07/2024 15:08	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 15:08	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 15:08	WG2202578
Benzene	5.45		1.00	1	01/07/2024 15:08	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Bromoform	ND		1.00	1	01/07/2024 15:08	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 15:08	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 15:08	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 15:08	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 15:08	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Chloroform	ND		1.00	1	01/07/2024 15:08	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 15:08	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 15:08	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 15:08	WG2202578
Ethylbenzene	5.44		1.00	1	01/07/2024 15:08	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 15:08	WG2202578
Isobutanol	ND		110	1	01/07/2024 15:08	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 15:08	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 15:08	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 15:08	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 15:08	WG2202578
Styrene	ND		1.00	1	01/07/2024 15:08	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 15:08	WG2202578
Toluene	1.86		1.00	1	01/07/2024 15:08	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 15:08	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 15:08	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 15:08	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 15:08	WG2202578
Xylenes, Total	11.8		1.00	1	01/07/2024 15:08	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 15:08	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 15:08	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 15:08	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 15:08	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 15:08	WG2202578
(S) Toluene-d8	102			80.0-120	01/07/2024 15:08	WG2202578
(S) 1,2-Dichloroethane-d4	113			70.0-130	01/07/2024 15:08	WG2202578
(S) 4-Bromofluorobenzene	91.2			77.0-126	01/07/2024 15:08	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	1.00	1	01/11/2024 03:00	WG2202505
2,4,5-Tp (Silvex)	ND	<u>J4</u>	1.00	1	01/11/2024 03:00	WG2202505
2,4-D	ND	<u>J4</u>	4.00	1	01/11/2024 03:00	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	39.6			14.0-158	01/11/2024 03:00	WG2202505

1 Cp
2 Tc
3 Ss
4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 15:49	WG2203305
4,4-DDE	ND		0.0500	1	01/10/2024 15:49	WG2203305
4,4-DDT	ND		0.0500	1	01/10/2024 15:49	WG2203305
Aldrin	ND		0.0500	1	01/10/2024 15:49	WG2203305
Alpha BHC	ND		0.0500	1	01/10/2024 15:49	WG2203305
Beta BHC	ND		0.500	1	01/10/2024 15:49	WG2203305
Chlordane	ND		0.500	1	01/10/2024 15:49	WG2203305
Delta BHC	ND		0.0500	1	01/10/2024 15:49	WG2203305
Dieldrin	ND		0.0500	1	01/10/2024 15:49	WG2203305
Endosulfan I	0.753		0.0500	1	01/10/2024 15:49	WG2203305
Endosulfan II	ND		0.0500	1	01/10/2024 15:49	WG2203305
Endosulfan sulfate	ND		0.0500	1	01/10/2024 15:49	WG2203305
Endrin	ND		0.0500	1	01/10/2024 15:49	WG2203305
Endrin aldehyde	ND		0.0500	1	01/10/2024 15:49	WG2203305
Gamma BHC	ND		0.0500	1	01/10/2024 15:49	WG2203305
Heptachlor	ND		0.0500	1	01/10/2024 15:49	WG2203305
Heptachlor epoxide	ND		0.0500	1	01/10/2024 15:49	WG2203305
Methoxychlor	ND		0.100	1	01/10/2024 15:49	WG2203305
Toxaphene	ND		5.00	1	01/10/2024 15:49	WG2203305
(S) Decachlorobiphenyl	0.287	<u>J2</u>		10.0-128	01/10/2024 15:49	WG2203305
(S) Tetrachloro-m-xylene	5.80	<u>J2</u>		10.0-127	01/10/2024 15:49	WG2203305

5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Sample Narrative:

L1693811-12 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 01:46	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 01:46	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 01:46	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 01:46	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 01:46	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 01:46	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 01:46	WG2203305
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/11/2024 01:46	WG2203305
(S) Tetrachloro-m-xylene	15.5			10.0-127	01/11/2024 01:46	WG2203305

Sample Narrative:

L1693811-12 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/14/2024 16:54	WG2204132
1,2,4-Trichlorobenzene	ND		10.0	5	01/14/2024 16:54	WG2204132
1,3,5-Trinitrobenzene	ND		50.0	5	01/17/2024 17:48	WG2204132
1,3-Dinitrobenzene	ND		10.0	5	01/17/2024 17:48	WG2204132
1,4-Naphthoquinone	ND	J4	50.0	5	01/17/2024 17:48	WG2204132
1-Naphthylamine	ND		10.0	5	01/17/2024 17:48	WG2204132
2,2-Oxybis(1-Chloropropane)	ND		10.0	5	01/14/2024 16:54	WG2204132
2,3,4,6-Tetrachlorophenol	ND		50.0	5	01/14/2024 16:54	WG2204132
2,4,5-Trichlorophenol	ND		10.0	5	01/14/2024 16:54	WG2204132
2,4,6-Trichlorophenol	ND		10.0	5	01/14/2024 16:54	WG2204132
2,4-Dichlorophenol	ND		10.0	5	01/14/2024 16:54	WG2204132
2,4-Dimethylphenol	ND		10.0	5	01/14/2024 16:54	WG2204132
2,4-Dinitrophenol	ND		50.0	5	01/14/2024 16:54	WG2204132
2,4-Dinitrotoluene	ND		10.0	5	01/14/2024 16:54	WG2204132
2,6-Dichlorophenol	ND		13.8	5	01/17/2024 17:48	WG2204132
2,6-Dinitrotoluene	ND		10.0	5	01/14/2024 16:54	WG2204132
2-Acetylaminofluorene	ND		100	5	01/17/2024 17:48	WG2204132
2-Chloronaphthalene	ND		10.0	5	01/14/2024 16:54	WG2204132
2-Chlorophenol	ND		10.0	5	01/14/2024 16:54	WG2204132
2-Methylnaphthalene	ND		10.0	5	01/14/2024 16:54	WG2204132
2-Methylphenol	19.9	IJ	10.0	5	01/14/2024 16:54	WG2204132
2-Naphthylamine	ND		10.0	5	01/17/2024 17:48	WG2204132
2-Nitroaniline	ND		50.0	5	01/14/2024 16:54	WG2204132
2-Nitrophenol	ND		10.0	5	01/14/2024 16:54	WG2204132
3&4-Methyl Phenol	ND		10.0	5	01/14/2024 16:54	WG2204132
3,3-Dichlorobenzidine	ND		50.0	5	01/14/2024 16:54	WG2204132
3,3-Dimethylbenzidine	ND		20.0	5	01/17/2024 17:48	WG2204132
3-Methylcholanthrene	ND		20.0	5	01/17/2024 17:48	WG2204132
3-Nitroaniline	ND		50.0	5	01/14/2024 16:54	WG2204132
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/14/2024 16:54	WG2204132
4-Aminobiphenyl	ND		10.0	5	01/17/2024 17:48	WG2204132
4-Bromophenyl-phenylether	ND		50.0	5	01/14/2024 16:54	WG2204132
4-Chloro-3-methylphenol	ND		10.0	5	01/14/2024 16:54	WG2204132
4-Chloroaniline	ND		10.0	5	01/14/2024 16:54	WG2204132
4-Chlorophenyl-phenylether	ND		10.0	5	01/14/2024 16:54	WG2204132
4-Nitroaniline	ND		50.0	5	01/14/2024 16:54	WG2204132
4-Nitrophenol	ND		50.0	5	01/14/2024 16:54	WG2204132
5-Nitro-o-toluidine	ND		20.0	5	01/17/2024 17:48	WG2204132
Acenaphthene	ND		10.0	5	01/14/2024 16:54	WG2204132
Acenaphthylene	ND		10.0	5	01/14/2024 16:54	WG2204132
Acetophenone	ND		13.6	5	01/14/2024 16:54	WG2204132
Anthracene	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzo(A)Anthracene	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzo(a)pyrene	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzo(b)fluoranthene	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzo(g,h,i)perylene	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzo(k)fluoranthene	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzyl Alcohol	ND		10.0	5	01/14/2024 16:54	WG2204132
Benzylbutyl phthalate	ND		10.0	5	01/14/2024 16:54	WG2204132
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/14/2024 16:54	WG2204132
Bis(2-chlorethoxy)methane	ND		10.0	5	01/14/2024 16:54	WG2204132
Bis(2-chloroethyl)ether	ND		10.0	5	01/14/2024 16:54	WG2204132
Chlorobenzilate	ND		10.0	5	01/17/2024 17:48	WG2204132
Chrysene	ND		10.0	5	01/14/2024 16:54	WG2204132
Di-n-butyl phthalate	ND		10.0	5	01/14/2024 16:54	WG2204132
Di-n-octyl phthalate	ND		10.0	5	01/14/2024 16:54	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	5	01/17/2024 17:48	WG2204132
Dibenz(a,h)anthracene	ND		20.0	5	01/14/2024 16:54	WG2204132
Dibenzofuran	ND		10.0	5	01/14/2024 16:54	WG2204132
Diethyl phthalate	ND		10.0	5	01/14/2024 16:54	WG2204132
Dimethoate	ND		20.0	5	01/17/2024 17:48	WG2204132
Dimethyl phthalate	ND		10.0	5	01/14/2024 16:54	WG2204132
Dimethylbenz (A) Anthracene	ND		20.0	5	01/17/2024 17:48	WG2204132
Dinoseb	ND		89.5	5	01/17/2024 17:48	WG2204132
Diphenylamine	ND		10.0	5	01/14/2024 16:54	WG2204132
Disulfoton	ND		50.0	5	01/17/2024 17:48	WG2204132
Ethyl methanesulfonate	ND		10.0	5	01/17/2024 17:48	WG2204132
Ethyl parathion	ND		50.0	5	01/17/2024 17:48	WG2204132
Famphur	ND		200	5	01/17/2024 17:48	WG2204132
Fluoranthene	ND		1.55	5	01/14/2024 16:54	WG2204132
Fluorene	ND		10.0	5	01/14/2024 16:54	WG2204132
Hexachloro-1,3-butadiene	ND		10.0	5	01/14/2024 16:54	WG2204132
Hexachlorobenzene	ND		10.0	5	01/14/2024 16:54	WG2204132
Hexachlorocyclopentadiene	ND		50.0	5	01/14/2024 16:54	WG2204132
Hexachloroethane	ND		10.0	5	01/14/2024 16:54	WG2204132
Hexachloropropene	ND		100	5	01/17/2024 17:48	WG2204132
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/14/2024 16:54	WG2204132
Isodrin	ND		10.0	5	01/17/2024 17:48	WG2204132
Isophorone	ND		10.0	5	01/14/2024 16:54	WG2204132
Isosafrole	ND		20.0	5	01/17/2024 17:48	WG2204132
Kepone	ND		9.40	5	01/17/2024 17:48	WG2204132
Methapyrilene	ND		50.0	5	01/17/2024 17:48	WG2204132
Methyl methanesulfonate	ND		50.0	5	01/17/2024 17:48	WG2204132
Methyl parathion	ND		10.0	5	01/17/2024 17:48	WG2204132
Naphthalene	ND		10.0	5	01/14/2024 16:54	WG2204132
Nitrobenzene	ND		10.0	5	01/14/2024 16:54	WG2204132
O,O,O-Triethyl Phosphorothioate	ND		50.0	5	01/17/2024 17:48	WG2204132
P-(Dimethylamino) Azobenzene	ND		20.0	5	01/17/2024 17:48	WG2204132
Pentachlorobenzene	ND		10.0	5	01/17/2024 17:48	WG2204132
Pentachloronitrobenzene	ND		50.0	5	01/17/2024 17:48	WG2204132
Pentachlorophenol	ND		50.0	5	01/14/2024 16:54	WG2204132
Phenacetin	ND		10.0	5	01/17/2024 17:48	WG2204132
Phenanthrene	ND		20.0	5	01/14/2024 16:54	WG2204132
Phenol	ND		10.0	5	01/14/2024 16:54	WG2204132
Phorate	ND		50.0	5	01/17/2024 17:48	WG2204132
Pronamide	ND		20.0	5	01/17/2024 17:48	WG2204132
Pyrene	ND		10.0	5	01/14/2024 16:54	WG2204132
Safrole	ND		50.0	5	01/17/2024 17:48	WG2204132
Thionazin	ND		10.0	5	01/17/2024 17:48	WG2204132
n-Nitrosodi-n-butylamine	ND		10.0	5	01/17/2024 17:48	WG2204132
n-Nitrosodi-n-propylamine	ND		10.0	5	01/14/2024 16:54	WG2204132
n-Nitrosodiethylamine	ND		10.0	5	01/17/2024 17:48	WG2204132
n-Nitrosodimethylamine	ND		10.0	5	01/14/2024 16:54	WG2204132
n-Nitrosodiphenylamine	ND		10.0	5	01/14/2024 16:54	WG2204132
n-Nitrosomethylethylamine	ND		10.0	5	01/17/2024 17:48	WG2204132
n-Nitrosopiperidine	ND		10.0	5	01/17/2024 17:48	WG2204132
n-Nitrosopyrrolidine	ND		12.8	5	01/17/2024 17:48	WG2204132
o-Toluidine	21.6	J	10.0	5	01/17/2024 17:48	WG2204132
p-Phenylenediamine	ND	J4	1940	5	01/17/2024 17:48	WG2204132
(S) 2-Fluorophenol	40.7			10.0-120	01/14/2024 16:54	WG2204132
(S) 2,4,6-Tribromophenol	54.8			10.0-155	01/14/2024 16:54	WG2204132
(S) p-Terphenyl-d14	16.0			10.0-128	01/14/2024 16:54	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	36.9			10.0-120	01/14/2024 16:54	WG2204132
(S) 2-Fluorobiphenyl	43.1			10.0-130	01/14/2024 16:54	WG2204132
(S) Nitrobenzene-d5	53.2			10.0-127	01/14/2024 16:54	WG2204132

Sample Narrative:

L1693811-12 WG2204132: Dilution due to matrix.

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)	7.72	su
Specific Conductance (on site)	19542	umhos/cm
Temperature (on-site)	10.9	Deg. C
Turbidity (on-site)	113.95	NTU
Dissolved Oxygen (on-site)	8.2	mg/l
eH/ORP (On Site)	-148.2	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	10500		113	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	12900		10.0	1	01/09/2024 13:20	WG2203134
Alkalinity,Bicarbonate	12900		10.0	1	01/09/2024 13:20	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:20	WG2203134

Sample Narrative:

L1693811-13 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	2880		63.4	2000	01/09/2024 16:22	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:20	WG2202378

Sample Narrative:

L1693811-13 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	6.40		4.00	20	01/07/2024 17:49	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:28	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	5430		5.19	100	01/06/2024 21:40	WG2202331
Sulfate	94.6	J	7.74	100	01/06/2024 21:40	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-13 WG2202331: S04 BDL, dilution needed due to sample matrix color						

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1470		10.2	100	01/10/2024 00:02	WG2203396

3 Ss

4 Cn

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 17:10	WG2202340

5 Sr

6 Qc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:26	WG2202942
Barium, Total Recoverable	0.636		0.0153	9	01/09/2024 17:26	WG2202942
Calcium, Total Recoverable	29.3		0.417	9	01/09/2024 17:26	WG2202942
Iron, Total Recoverable	3.68		0.127	9	01/09/2024 17:26	WG2202942
Potassium, Total Recoverable	641		3.00	9	01/09/2024 17:26	WG2202942
Magnesium, Total Recoverable	28.8		0.200	9	01/09/2024 17:26	WG2202942
Manganese, Total Recoverable	0.325		0.0108	9	01/09/2024 17:26	WG2202942
Sodium, Total Recoverable	3000		5.00	9	01/09/2024 17:26	WG2202942
Lead, Total Recoverable	0.0839		0.0171	9	01/09/2024 17:26	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:26	WG2202942
Tin, Total Recoverable	0.189	J	0.100	9	01/09/2024 17:26	WG2202942

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.301		0.00500	9	01/26/2024 16:46	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:46	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:46	WG2202953
Cobalt, Total Recoverable	0.126		0.00300	9	01/26/2024 16:46	WG2202953
Chromium, Total Recoverable	0.320		0.00486	9	01/26/2024 16:46	WG2202953
Copper, Total Recoverable	0.835		0.00468	9	01/26/2024 16:46	WG2202953
Nickel, Total Recoverable	0.421		0.00400	9	01/26/2024 16:46	WG2202953
Antimony, Total Recoverable	0.111		0.00679	9	01/26/2024 16:46	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:46	WG2202953
Vanadium, Total Recoverable	0.117		0.00300	9	01/26/2024 16:46	WG2202953
Zinc, Total Recoverable	0.631		0.0230	9	01/26/2024 16:46	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.20	10	01/07/2024 17:10	WG2202578
1,1,1-Trichloroethane	ND		1.00	10	01/07/2024 17:10	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.30	10	01/07/2024 17:10	WG2202578
1,1,2-Trichloroethane	ND		1.86	10	01/07/2024 17:10	WG2202578
1,1-Dichloroethane	ND		1.14	10	01/07/2024 17:10	WG2202578
1,1-Dichloroethene	ND		1.88	10	01/07/2024 17:10	WG2202578
1,1-Dichloropropene	ND		1.28	10	01/07/2024 17:10	WG2202578
1,2,3-Trichloropropane	ND		2.47	10	01/07/2024 17:10	WG2202578
1,2-Dibromo-3-Chloropropane	ND		3.25	10	01/07/2024 17:10	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.93	10	01/07/2024 17:10	WG2202578
1,2-Dichlorobenzene	ND		1.01	10	01/07/2024 17:10	WG2202578
1,2-Dichloroethane	ND		1.08	10	01/07/2024 17:10	WG2202578
1,2-Dichloropropane	ND		1.90	10	01/07/2024 17:10	WG2202578
1,3-Dichlorobenzene	ND		1.30	10	01/07/2024 17:10	WG2202578
1,3-Dichloropropane	ND		1.47	10	01/07/2024 17:10	WG2202578
1,4-Dichlorobenzene	8.04		1.21	10	01/07/2024 17:10	WG2202578
2,2-Dichloropropane	ND		5.00	10	01/07/2024 17:10	WG2202578
2-Butanone (MEK)	931		12.8	10	01/07/2024 17:10	WG2202578
2-Hexanone	21.3	U	7.57	10	01/07/2024 17:10	WG2202578
4-Methyl-2-pentanone (MIBK)	58.8		8.23	10	01/07/2024 17:10	WG2202578
Acetone	1180		11.3	10	01/07/2024 17:10	WG2202578
Acetonitrile	ND		150	10	01/07/2024 17:10	WG2202578
Acrolein	ND		88.7	10	01/07/2024 17:10	WG2202578
Acrylonitrile	ND		20.0	10	01/07/2024 17:10	WG2202578
Allyl chloride	ND		17.0	10	01/07/2024 17:10	WG2202578
Benzene	6.35		1.00	10	01/07/2024 17:10	WG2202578
Bromochloromethane	ND		1.45	10	01/07/2024 17:10	WG2202578
Bromodichloromethane	ND		1.00	10	01/07/2024 17:10	WG2202578
Bromoform	ND		1.86	10	01/07/2024 17:10	WG2202578
Bromomethane	ND	J4	1.57	10	01/07/2024 17:10	WG2202578
Carbon disulfide	4.46	U	1.01	10	01/07/2024 17:10	WG2202578
Carbon tetrachloride	ND		1.59	10	01/07/2024 17:10	WG2202578
Chlorobenzene	1.41	U	1.40	10	01/07/2024 17:10	WG2202578
Chloroethane	ND		1.41	10	01/07/2024 17:10	WG2202578
Chloroform	ND		1.00	10	01/07/2024 17:10	WG2202578
Chloromethane	3.36	U	1.53	10	01/07/2024 17:10	WG2202578
Chloroprene	ND		17.0	10	01/07/2024 17:10	WG2202578
Dibromochloromethane	ND		1.28	10	01/07/2024 17:10	WG2202578
Dibromomethane	ND		1.17	10	01/07/2024 17:10	WG2202578
Dichlorodifluoromethane	ND		2.00	10	01/07/2024 17:10	WG2202578
Ethyl methacrylate	ND		14.0	10	01/07/2024 17:10	WG2202578
Ethylbenzene	13.4		1.58	10	01/07/2024 17:10	WG2202578
Iodomethane	ND	J4	3.77	10	01/07/2024 17:10	WG2202578
Isobutanol	ND		390	10	01/07/2024 17:10	WG2202578
Methacrylonitrile	ND		130	10	01/07/2024 17:10	WG2202578
Methyl methacrylate	ND		12.0	10	01/07/2024 17:10	WG2202578
Methylene Chloride	ND		10.7	10	01/07/2024 17:10	WG2202578
Propionitrile	ND		130	10	01/07/2024 17:10	WG2202578
Styrene	1.18	U	1.17	10	01/07/2024 17:10	WG2202578
Tetrachloroethene	ND		1.99	10	01/07/2024 17:10	WG2202578
Toluene	34.0		4.12	10	01/07/2024 17:10	WG2202578
Trichloroethene	ND		1.53	10	01/07/2024 17:10	WG2202578
Trichlorofluoromethane	ND		1.30	10	01/07/2024 17:10	WG2202578
Vinyl acetate	ND		6.45	10	01/07/2024 17:10	WG2202578
Vinyl chloride	ND		1.18	10	01/07/2024 17:10	WG2202578
Xylenes, Total	38.4		3.16	10	01/07/2024 17:10	WG2202578
cis-1,2-Dichloroethene	ND		1.00	10	01/07/2024 17:10	WG2202578
cis-1,3-Dichloropropene	ND		1.00	10	01/07/2024 17:10	WG2202578
trans-1,2-Dichloroethene	ND		1.52	10	01/07/2024 17:10	WG2202578
trans-1,3-Dichloropropene	ND		2.22	10	01/07/2024 17:10	WG2202578
trans-1,4-Dichloro-2-butene	ND		2.57	10	01/07/2024 17:10	WG2202578
(S) Toluene-d8	106			80.0-120	01/07/2024 17:10	WG2202578
(S) 1,2-Dichloroethane-d4	110			70.0-130	01/07/2024 17:10	WG2202578
(S) 4-Bromofluorobenzene	93.9			77.0-126	01/07/2024 17:10	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	

Sample Narrative:

L1693811-13 WG2202578: Lowest possible dilution due to sample matrix.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		16.9	20	01/12/2024 03:31	WG2202503
2,4,5-Tp (Silvex)	ND		16.9	20	01/12/2024 03:31	WG2202503
2,4-D	ND		14.9	20	01/12/2024 03:31	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	198	<u>J7</u>		14.0-158	01/12/2024 03:31	WG2202503

Sample Narrative:

L1693811-13 WG2202503: Dilution and surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

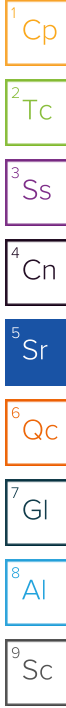
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 00:24	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 00:24	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 00:24	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 00:24	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 00:24	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 00:24	WG2202480
Chlordane	ND		0.500	1	01/11/2024 00:24	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 00:24	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 00:24	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 00:24	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 00:24	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 00:24	WG2202480
Endrin	ND		0.0500	1	01/11/2024 00:24	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 00:24	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 00:24	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 00:24	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 00:24	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 00:24	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 00:24	WG2202480
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/11/2024 00:24	WG2202480
(S) Tetrachloro-m-xylene	34.1			10.0-127	01/11/2024 00:24	WG2202480

Sample Narrative:

L1693811-13 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND	<u>J4</u>	1.00	2	01/19/2024 00:39	WG2209018
PCB 1221	ND		1.00	2	01/19/2024 00:39	WG2209018
PCB 1232	ND		1.00	2	01/19/2024 00:39	WG2209018
PCB 1242	ND		1.00	2	01/19/2024 00:39	WG2209018
PCB 1248	ND		1.00	2	01/19/2024 00:39	WG2209018
PCB 1254	ND		1.00	2	01/19/2024 00:39	WG2209018
PCB 1260	ND		1.00	2	01/19/2024 00:39	WG2209018
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/19/2024 00:39	WG2209018
(S) Tetrachloro-m-xylene	14.7			10.0-127	01/19/2024 00:39	WG2209018



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1693811-13 WG2209018: Dilution due to sulfur cleanup.

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		121	50	01/24/2024 14:37	WG2202487
1,2,4-Trichlorobenzene	ND		17.8	50	01/24/2024 14:37	WG2202487
1,3,5-Trinitrobenzene	ND		66.0	50	01/25/2024 01:42	WG2202487
1,3-Dinitrobenzene	ND		18.0	50	01/25/2024 01:42	WG2202487
1,4-Naphthoquinone	ND	J4	278	50	01/25/2024 01:42	WG2202487
1-Naphthylamine	ND		14.4	50	01/25/2024 01:42	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 18:04	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 18:04	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
2,4-Dichlorophenol	ND		14.2	50	01/24/2024 14:37	WG2202487
2,4-Dimethylphenol	ND		31.2	50	01/24/2024 14:37	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 18:04	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 18:04	WG2202487
2,6-Dichlorophenol	ND		138	50	01/25/2024 01:42	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 18:04	WG2202487
2-Acetylaminofluorene	ND		100	50	01/25/2024 01:42	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 18:04	WG2202487
2-Methylnaphthalene	ND	J3	15.6	50	01/24/2024 14:37	WG2202487
2-Methylphenol	17.9		10.0	1	01/19/2024 18:04	WG2202487
2-Naphthylamine	ND		10.0	50	01/25/2024 01:42	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 18:04	WG2202487
2-Nitrophenol	ND		16.0	50	01/24/2024 14:37	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 18:04	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 18:04	WG2202487
3,3-Dimethylbenzidine	ND		169	50	01/25/2024 01:42	WG2202487
3-Methylcholanthrene	ND		20.0	50	01/25/2024 01:42	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 18:04	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 18:04	WG2202487
4-Aminobiphenyl	ND		23.0	50	01/25/2024 01:42	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 18:04	WG2202487
4-Chloro-3-methylphenol	ND		13.2	50	01/24/2024 14:37	WG2202487
4-Chloroaniline	ND		19.1	50	01/24/2024 14:37	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 18:04	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 18:04	WG2202487
5-Nitro-o-toluidine	ND		99.5	50	01/25/2024 01:42	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
Acetophenone	14.6		10.0	1	01/19/2024 18:04	WG2202487
Anthracene	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 18:04	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 18:04	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 18:04	WG2202487
Bis(2-chloroethoxy)methane	ND	J3	16.4	50	01/24/2024 14:37	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 18:04	WG2202487
Chlorobenzilate	ND		66.5	50	01/25/2024 01:42	WG2202487
Chrysene	ND		10.0	1	01/19/2024 18:04	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 18:04	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 18:04	WG2202487
Diallate	ND		26.2	50	01/25/2024 01:42	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 18:04	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 18:04	WG2202487
Dimethoate	ND		72.0	50	01/25/2024 01:42	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 18:04	WG2202487
Dimethylbenz (A) Anthracene	ND		85.5	50	01/25/2024 01:42	WG2202487
Dinoseb	ND		895	50	01/25/2024 01:42	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
Disulfoton	ND		50.0	50	01/25/2024 01:42	WG2202487
Ethyl methanesulfonate	ND		16.3	50	01/25/2024 01:42	WG2202487
Ethyl parathion	ND		50.0	50	01/25/2024 01:42	WG2202487
Famphur	ND		200	50	01/25/2024 01:42	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 18:04	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
Hexachloro-1,3-butadiene	ND		16.4	50	01/24/2024 14:37	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 18:04	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 18:04	WG2202487
Hexachloropropene	ND		100	50	01/25/2024 01:42	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 18:04	WG2202487
Isodrin	ND		14.7	50	01/25/2024 01:42	WG2202487
Isophorone	ND		13.6	50	01/24/2024 14:37	WG2202487
Isosafrole	ND		20.5	50	01/25/2024 01:42	WG2202487
Kepone	ND		94.0	50	01/25/2024 01:42	WG2202487
Methapyrilene	ND		213	50	01/25/2024 01:42	WG2202487
Methyl methanesulfonate	ND		50.0	50	01/25/2024 01:42	WG2202487
Methyl parathion	ND		10.7	50	01/25/2024 01:42	WG2202487
Naphthalene	ND		18.6	50	01/24/2024 14:37	WG2202487
Nitrobenzene	ND		18.4	50	01/24/2024 14:37	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	50	01/25/2024 01:42	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	50	01/25/2024 01:42	WG2202487
Pentachlorobenzene	ND		18.5	50	01/25/2024 01:42	WG2202487
Pentachloronitrobenzene	ND		50.0	50	01/25/2024 01:42	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 18:04	WG2202487
Phenacetin	ND		13.1	50	01/25/2024 01:42	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 18:04	WG2202487
Phenol	71.8		10.0	1	01/19/2024 18:04	WG2202487
Phorate	ND		50.0	50	01/25/2024 01:42	WG2202487
Pronamide	ND		20.0	50	01/25/2024 01:42	WG2202487
Pyrene	ND		10.0	1	01/19/2024 18:04	WG2202487
Safrole	ND		50.0	50	01/25/2024 01:42	WG2202487
Thionazin	ND		10.2	50	01/25/2024 01:42	WG2202487
n-Nitrosodi-n-butylamine	ND		16.6	50	01/25/2024 01:42	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 18:04	WG2202487
n-Nitrosodiethylamine	ND		24.9	50	01/25/2024 01:42	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 18:04	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 18:04	WG2202487
n-Nitrosomethylethylamine	ND		85.5	50	01/25/2024 01:42	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
n-Nitrosopiperidine	ND		13.4	50	01/25/2024 01:42	WG2202487
n-Nitrosopyrrolidine	ND		128	50	01/25/2024 01:42	WG2202487
o-Toluidine	173	<u>J</u>	18.1	50	01/25/2024 01:42	WG2202487
p-Phenylenediamine	ND	<u>J4</u>	19400	50	01/25/2024 01:42	WG2202487
(S) 2-Fluorophenol	156	<u>J7</u>		10.0-120	01/24/2024 14:37	WG2202487
(S) 2-Fluorophenol	26.9			10.0-120	01/19/2024 18:04	WG2202487
(S) 2,4,6-Tribromophenol	240	<u>J7</u>		10.0-155	01/24/2024 14:37	WG2202487
(S) 2,4,6-Tribromophenol	85.7			10.0-155	01/19/2024 18:04	WG2202487
(S) p-Terphenyl-d14	22.4	<u>J7</u>		10.0-128	01/24/2024 14:37	WG2202487
(S) p-Terphenyl-d14	2.48	<u>J2</u>		10.0-128	01/19/2024 18:04	WG2202487
(S) Phenol-d5	40.9			10.0-120	01/19/2024 18:04	WG2202487
(S) Phenol-d5	164	<u>J7</u>		10.0-120	01/24/2024 14:37	WG2202487
(S) 2-Fluorobiphenyl	116	<u>J7</u>		10.0-130	01/24/2024 14:37	WG2202487
(S) 2-Fluorobiphenyl	26.4			10.0-130	01/19/2024 18:04	WG2202487
(S) Nitrobenzene-d5	0.000	<u>J2</u>		10.0-127	01/19/2024 18:04	WG2202487
(S) Nitrobenzene-d5	857	<u>J7</u>		10.0-127	01/24/2024 14:37	WG2202487

Sample Narrative:

L1693811-13 WG2202487: IS/SURR failed on lower dilution.

L1693811-13 WG2202487: Surrogate failure due to matrix interference

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

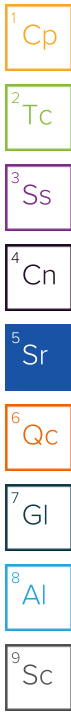
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	7.03	su
Specific Conductance (on site)	11743	umhos/cm
Temperature (on-site)	7.8	Deg. C
Turbidity (on-site)	1.49	NTU
Dissolved Oxygen (on-site)	6.61	mg/l
eH/ORP (On Site)	-158.1	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	7200		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	5540		10.0	1	01/09/2024 13:27	WG2203134
Alkalinity,Bicarbonate	5540		10.0	1	01/09/2024 13:27	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:27	WG2203134

Sample Narrative:

L1693811-14 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1130		31.7	1000	01/09/2024 16:23	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:23	WG2202378

Sample Narrative:

L1693811-14 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/07/2024 17:49	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:29	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1620		5.19	100	01/06/2024 21:53	WG2202331
Sulfate	35.5	J	7.74	100	01/06/2024 21:53	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-14 WG2202331: S04 BDL, dilution needed due to sample matrix color						

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	334		10.2	100	01/10/2024 00:19	WG2203396

3 Ss

4 Cn

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 17:17	WG2202340

5 Sr

6 Qc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:29	WG2202942
Barium, Total Recoverable	0.668		0.0153	9	01/09/2024 17:29	WG2202942
Calcium, Total Recoverable	39.3		0.417	9	01/09/2024 17:29	WG2202942
Iron, Total Recoverable	9.29		0.127	9	01/09/2024 17:29	WG2202942
Potassium, Total Recoverable	385		3.00	9	01/09/2024 17:29	WG2202942
Magnesium, Total Recoverable	22.5		0.200	9	01/09/2024 17:29	WG2202942
Manganese, Total Recoverable	0.304		0.0108	9	01/09/2024 17:29	WG2202942
Sodium, Total Recoverable	1510		5.00	9	01/09/2024 17:29	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 17:29	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:29	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:29	WG2202942

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.161		0.00500	9	01/26/2024 16:49	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:49	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:49	WG2202953
Cobalt, Total Recoverable	0.0743		0.00300	9	01/26/2024 16:49	WG2202953
Chromium, Total Recoverable	0.0909		0.00486	9	01/26/2024 16:49	WG2202953
Copper, Total Recoverable	ND		0.00468	9	01/26/2024 16:49	WG2202953
Nickel, Total Recoverable	0.318		0.00400	9	01/26/2024 16:49	WG2202953
Antimony, Total Recoverable	ND		0.00679	9	01/26/2024 16:49	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:49	WG2202953
Vanadium, Total Recoverable	0.0739		0.00300	9	01/26/2024 16:49	WG2202953
Zinc, Total Recoverable	ND		0.0230	9	01/26/2024 16:49	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 15:28	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 15:28	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 15:28	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 15:28	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 15:28	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 15:28	WG2202578
1,4-Dichlorobenzene	3.88		1.00	1	01/07/2024 15:28	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 15:28	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 15:28	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 15:28	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 15:28	WG2202578
Acetone	13.3	J	11.3	1	01/07/2024 15:28	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 15:28	WG2202578
Acrolein	ND		20.0	1	01/07/2024 15:28	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 15:28	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 15:28	WG2202578
Benzene	6.36		1.00	1	01/07/2024 15:28	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Bromoform	ND		1.00	1	01/07/2024 15:28	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 15:28	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 15:28	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 15:28	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 15:28	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Chloroform	ND		1.00	1	01/07/2024 15:28	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 15:28	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 15:28	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 15:28	WG2202578
Ethylbenzene	9.09		1.00	1	01/07/2024 15:28	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 15:28	WG2202578
Isobutanol	ND		110	1	01/07/2024 15:28	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 15:28	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 15:28	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 15:28	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 15:28	WG2202578
Styrene	ND		1.00	1	01/07/2024 15:28	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 15:28	WG2202578
Toluene	2.52		1.00	1	01/07/2024 15:28	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 15:28	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 15:28	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 15:28	WG2202578
Vinyl chloride	1.07		1.00	1	01/07/2024 15:28	WG2202578
Xylenes, Total	19.8		1.00	1	01/07/2024 15:28	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 15:28	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 15:28	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 15:28	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 15:28	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 15:28	WG2202578
(S) Toluene-d8	107			80.0-120	01/07/2024 15:28	WG2202578
(S) 1,2-Dichloroethane-d4	110			70.0-130	01/07/2024 15:28	WG2202578
(S) 4-Bromofluorobenzene	92.6			77.0-126	01/07/2024 15:28	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 03:06	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 03:06	WG2202503
2,4-D	ND		4.00	1	01/10/2024 03:06	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	89.0			14.0-158	01/10/2024 03:06	WG2202503

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 00:34	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 00:34	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 00:34	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 00:34	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 00:34	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 00:34	WG2202480
Chlordane	ND		0.500	1	01/11/2024 00:34	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 00:34	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 00:34	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 00:34	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 00:34	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 00:34	WG2202480
Endrin	ND		0.0500	1	01/11/2024 00:34	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 00:34	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 00:34	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 00:34	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 00:34	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 00:34	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 00:34	WG2202480
(S) Decachlorobiphenyl	4.44	J2		10.0-128	01/11/2024 00:34	WG2202480
(S) Tetrachloro-m-xylene	33.1			10.0-127	01/11/2024 00:34	WG2202480

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-14 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 00:34	WG2202480
PCB 1221	ND		1.00	1	01/11/2024 00:34	WG2202480
PCB 1232	ND		1.00	1	01/11/2024 00:34	WG2202480
PCB 1242	ND		1.00	1	01/11/2024 00:34	WG2202480
PCB 1248	ND		1.00	1	01/11/2024 00:34	WG2202480
PCB 1254	ND		1.00	1	01/11/2024 00:34	WG2202480
PCB 1260	ND		1.00	1	01/11/2024 00:34	WG2202480
(S) Decachlorobiphenyl	1.00	J2		10.0-128	01/11/2024 00:34	WG2202480
(S) Tetrachloro-m-xylene	29.2			10.0-127	01/11/2024 00:34	WG2202480

Sample Narrative:

L1693811-14 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 13:42	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 13:42	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 00:04	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 00:04	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 00:04	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 00:04	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 13:42	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 13:42	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 13:42	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 13:42	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 13:42	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 13:42	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 00:04	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 13:42	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 00:04	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 13:42	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 13:42	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 00:04	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 13:42	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 13:42	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 13:42	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 13:42	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 00:04	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 00:04	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 13:42	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 13:42	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 00:04	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 13:42	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 13:42	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 13:42	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 13:42	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 13:42	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 00:04	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 13:42	WG2202487
Anthracene	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 13:42	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 13:42	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 13:42	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 13:42	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 00:04	WG2202487
Chrysene	ND		10.0	1	01/19/2024 13:42	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 13:42	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 13:42	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/21/2024 00:04	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 13:42	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 13:42	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 00:04	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 13:42	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 00:04	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 00:04	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 00:04	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 00:04	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 00:04	WG2202487
Famphur	ND		200	1	01/21/2024 00:04	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 13:42	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 13:42	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 13:42	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 13:42	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 00:04	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 13:42	WG2202487
Isodrin	ND		10.0	1	01/21/2024 00:04	WG2202487
Isophorone	ND		10.0	1	01/19/2024 13:42	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 00:04	WG2202487
Kepone	ND		1.88	1	01/21/2024 00:04	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 00:04	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 00:04	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 00:04	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 13:42	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 13:42	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 00:04	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 00:04	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 00:04	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 00:04	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 13:42	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 00:04	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 13:42	WG2202487
Phenol	ND		10.0	1	01/19/2024 13:42	WG2202487
Phorate	ND		50.0	1	01/21/2024 00:04	WG2202487
Pronamide	ND		20.0	1	01/21/2024 00:04	WG2202487
Pyrene	ND		10.0	1	01/19/2024 13:42	WG2202487
Safrole	ND		50.0	1	01/21/2024 00:04	WG2202487
Thionazin	ND		10.0	1	01/21/2024 00:04	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 00:04	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 13:42	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 00:04	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 13:42	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 13:42	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 00:04	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 00:04	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 00:04	WG2202487
o-Toluidine	16.5		10.0	1	01/21/2024 00:04	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 00:04	WG2202487
(S) 2-Fluorophenol	29.7			10.0-120	01/19/2024 13:42	WG2202487
(S) 2,4,6-Tribromophenol	76.9			10.0-155	01/19/2024 13:42	WG2202487
(S) p-Terphenyl-d14	28.8			10.0-128	01/19/2024 13:42	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	36.3			10.0-120	01/19/2024 13:42	WG2202487
(S) 2-Fluorobiphenyl	53.6			10.0-130	01/19/2024 13:42	WG2202487
(S) Nitrobenzene-d5	57.3			10.0-127	01/19/2024 13:42	WG2202487

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

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

Analyte	Result	Units
pH (On Site)	7.16	su
Specific Conductance (on site)	29176	umhos/cm
Temperature (on-site)	14.6	Deg. C
Turbidity (on-site)	14.83	NTU
Dissolved Oxygen (on-site)	6.67	mg/l
eH/ORP (On Site)	-46.3	mV

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	9180		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	8600		10.0	1	01/09/2024 13:32	WG2203134
Alkalinity,Bicarbonate	8600		10.0	1	01/09/2024 13:32	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:32	WG2203134

Sample Narrative:

L1693811-15 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	213		6.34	200	01/09/2024 16:25	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:25	WG2202378

Sample Narrative:

L1693811-15 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/07/2024 17:50	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:31	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1450		5.19	100	01/06/2024 22:06	WG2202331
Sulfate	36.5	J	7.74	100	01/06/2024 22:06	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-15 WG2202331: S04 BDL, dilution needed due to sample matrix color						

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	683		10.2	100	01/10/2024 00:38	WG2203396

3 Ss

4 Cn

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 17:19	WG2202340

5 Sr

6 Qc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:32	WG2202942
Barium, Total Recoverable	2.25		0.0153	9	01/09/2024 17:32	WG2202942
Calcium, Total Recoverable	76.4		0.417	9	01/09/2024 17:32	WG2202942
Iron, Total Recoverable	11.7		0.127	9	01/09/2024 17:32	WG2202942
Potassium, Total Recoverable	80.7		3.00	9	01/09/2024 17:32	WG2202942
Magnesium, Total Recoverable	174		0.200	9	01/09/2024 17:32	WG2202942
Manganese, Total Recoverable	0.450		0.0108	9	01/09/2024 17:32	WG2202942
Sodium, Total Recoverable	5270		5.00	9	01/09/2024 17:32	WG2202942
Lead, Total Recoverable	0.0228	J	0.0171	9	01/09/2024 17:32	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:32	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:32	WG2202942

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.165		0.00500	9	01/26/2024 16:52	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:52	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:52	WG2202953
Cobalt, Total Recoverable	0.110		0.00300	9	01/26/2024 16:52	WG2202953
Chromium, Total Recoverable	0.286		0.00486	9	01/26/2024 16:52	WG2202953
Copper, Total Recoverable	0.0113	J	0.00468	9	01/26/2024 16:52	WG2202953
Nickel, Total Recoverable	0.543		0.00400	9	01/26/2024 16:52	WG2202953
Antimony, Total Recoverable	0.00989	J	0.00679	9	01/26/2024 16:52	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:52	WG2202953
Vanadium, Total Recoverable	0.191		0.00300	9	01/26/2024 16:52	WG2202953
Zinc, Total Recoverable	0.0429	J	0.0230	9	01/26/2024 16:52	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 15:49	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 15:49	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 15:49	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 15:49	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 15:49	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 15:49	WG2202578
1,4-Dichlorobenzene	ND		1.00	1	01/07/2024 15:49	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 15:49	WG2202578
2-Butanone (MEK)	5.54		5.00	1	01/07/2024 15:49	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 15:49	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 15:49	WG2202578
Acetone	14.5	J	11.3	1	01/07/2024 15:49	WG2202578
Acetonitrile	ND		30.0	1	01/07/2024 15:49	WG2202578
Acrolein	ND		20.0	1	01/07/2024 15:49	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 15:49	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 15:49	WG2202578
Benzene	2.55		1.00	1	01/07/2024 15:49	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Bromoform	ND		1.00	1	01/07/2024 15:49	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 15:49	WG2202578
Carbon disulfide	2.74		1.00	1	01/07/2024 15:49	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 15:49	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 15:49	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Chloroform	ND		1.00	1	01/07/2024 15:49	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 15:49	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 15:49	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 15:49	WG2202578
Ethylbenzene	ND		1.00	1	01/07/2024 15:49	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 15:49	WG2202578
Isobutanol	ND		110	1	01/07/2024 15:49	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 15:49	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 15:49	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 15:49	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 15:49	WG2202578
Styrene	ND		1.00	1	01/07/2024 15:49	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 15:49	WG2202578
Toluene	1.10		1.00	1	01/07/2024 15:49	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 15:49	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 15:49	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 15:49	WG2202578
Vinyl chloride	ND		1.00	1	01/07/2024 15:49	WG2202578
Xylenes, Total	ND		1.00	1	01/07/2024 15:49	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 15:49	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 15:49	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 15:49	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 15:49	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 15:49	WG2202578
(S) Toluene-d8	106			80.0-120	01/07/2024 15:49	WG2202578
(S) 1,2-Dichloroethane-d4	112			70.0-130	01/07/2024 15:49	WG2202578
(S) 4-Bromofluorobenzene	88.6			77.0-126	01/07/2024 15:49	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 03:46	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 03:46	WG2202503
2,4-D	ND		4.00	1	01/10/2024 03:46	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	18.2			14.0-158	01/10/2024 03:46	WG2202503

1 Cp
2 Tc
3 Ss
4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 00:44	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 00:44	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 00:44	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 00:44	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 00:44	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 00:44	WG2202480
Chlordane	ND		0.500	1	01/11/2024 00:44	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 00:44	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 00:44	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 00:44	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 00:44	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 00:44	WG2202480
Endrin	ND		0.0500	1	01/11/2024 00:44	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 00:44	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 00:44	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 00:44	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 00:44	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 00:44	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 00:44	WG2202480
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/11/2024 00:44	WG2202480
(S) Tetrachloro-m-xylene	15.2			10.0-127	01/11/2024 00:44	WG2202480

5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Sample Narrative:

L1693811-15 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 00:44	WG2202480
PCB 1221	ND		1.00	1	01/11/2024 00:44	WG2202480
PCB 1232	ND		1.00	1	01/11/2024 00:44	WG2202480
PCB 1242	ND		1.00	1	01/11/2024 00:44	WG2202480
PCB 1248	ND		1.00	1	01/11/2024 00:44	WG2202480
PCB 1254	ND		1.00	1	01/11/2024 00:44	WG2202480
PCB 1260	ND		1.00	1	01/11/2024 00:44	WG2202480
(S) Decachlorobiphenyl	0.842	J2		10.0-128	01/11/2024 00:44	WG2202480
(S) Tetrachloro-m-xylene	23.5			10.0-127	01/11/2024 00:44	WG2202480

Sample Narrative:

L1693811-15 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 14:04	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 14:04	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 00:21	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 00:21	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 00:21	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 00:21	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 14:04	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 14:04	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 14:04	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 14:04	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 14:04	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 14:04	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 00:21	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 14:04	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 00:21	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 14:04	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 14:04	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 00:21	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 14:04	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 14:04	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 14:04	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 14:04	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 00:21	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 00:21	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 14:04	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 14:04	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 00:21	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 14:04	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 14:04	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 14:04	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 14:04	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 14:04	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 00:21	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 14:04	WG2202487
Anthracene	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 14:04	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 14:04	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 14:04	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 14:04	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 00:21	WG2202487
Chrysene	ND		10.0	1	01/19/2024 14:04	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 14:04	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 14:04	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diallate	ND		20.0	1	01/21/2024 00:21	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 14:04	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 14:04	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 00:21	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 14:04	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 00:21	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 00:21	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 00:21	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 00:21	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 00:21	WG2202487
Famphur	ND		200	1	01/21/2024 00:21	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 14:04	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 14:04	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 14:04	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 14:04	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 00:21	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 14:04	WG2202487
Isodrin	ND		10.0	1	01/21/2024 00:21	WG2202487
Isophorone	ND		10.0	1	01/19/2024 14:04	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 00:21	WG2202487
Kepone	ND		1.88	1	01/21/2024 00:21	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 00:21	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 00:21	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 00:21	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 14:04	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 14:04	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 00:21	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 00:21	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 00:21	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 00:21	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 14:04	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 00:21	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 14:04	WG2202487
Phenol	ND		10.0	1	01/19/2024 14:04	WG2202487
Phorate	ND		50.0	1	01/21/2024 00:21	WG2202487
Pronamide	ND		20.0	1	01/21/2024 00:21	WG2202487
Pyrene	ND		10.0	1	01/19/2024 14:04	WG2202487
Safrole	ND		50.0	1	01/21/2024 00:21	WG2202487
Thionazin	ND		10.0	1	01/21/2024 00:21	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 00:21	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 14:04	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 00:21	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 14:04	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 14:04	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 00:21	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 00:21	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 00:21	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 00:21	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 00:21	WG2202487
(S) 2-Fluorophenol	30.6			10.0-120	01/19/2024 14:04	WG2202487
(S) 2,4,6-Tribromophenol	91.1			10.0-155	01/19/2024 14:04	WG2202487
(S) p-Terphenyl-d14	10.6			10.0-128	01/19/2024 14:04	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	43.0			10.0-120	01/19/2024 14:04	WG2202487
(S) 2-Fluorobiphenyl	44.4			10.0-130	01/19/2024 14:04	WG2202487
(S) Nitrobenzene-d5	49.3			10.0-127	01/19/2024 14:04	WG2202487

- 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)	7.01	su
Specific Conductance (on site)	29427	umhos/cm
Temperature (on-site)	26.6	Deg. C
Turbidity (on-site)	63.44	NTU
Dissolved Oxygen (on-site)	2.57	mg/l
eH/ORP (On Site)	-172.7	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	4340		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	7260		10.0	1	01/09/2024 13:38	WG2203134
Alkalinity,Bicarbonate	7260		10.0	1	01/09/2024 13:38	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:38	WG2203134

Sample Narrative:

L1693811-16 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1480		6.34	200	01/09/2024 15:47	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:27	WG2202378

Sample Narrative:

L1693811-16 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	5	01/07/2024 17:50	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:32	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	1710		5.19	100	01/06/2024 22:19	WG2202331
Sulfate	40.3	J	7.74	100	01/06/2024 22:19	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-16 WG2202331: S04 BDL, dilution needed due to sample matrix color						



Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	549		10.2	100	01/10/2024 00:57	WG2203396



Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 18:52	WG2202341

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:35	WG2202942
Barium, Total Recoverable	0.921		0.0153	9	01/09/2024 17:35	WG2202942
Calcium, Total Recoverable	46.2		0.417	9	01/09/2024 17:35	WG2202942
Iron, Total Recoverable	3.90		0.127	9	01/09/2024 17:35	WG2202942
Potassium, Total Recoverable	494		3.00	9	01/09/2024 17:35	WG2202942
Magnesium, Total Recoverable	41.5		0.200	9	01/09/2024 17:35	WG2202942
Manganese, Total Recoverable	0.205		0.0108	9	01/09/2024 17:35	WG2202942
Sodium, Total Recoverable	1950		5.00	9	01/09/2024 17:35	WG2202942
Lead, Total Recoverable	0.0220	J	0.0171	9	01/09/2024 17:35	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:35	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:35	WG2202942



Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.249		0.00500	9	01/26/2024 16:56	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:56	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:56	WG2202953
Cobalt, Total Recoverable	0.0954		0.00300	9	01/26/2024 16:56	WG2202953
Chromium, Total Recoverable	0.195		0.00486	9	01/26/2024 16:56	WG2202953
Copper, Total Recoverable	0.0116	J	0.00468	9	01/26/2024 16:56	WG2202953
Nickel, Total Recoverable	0.404		0.00400	9	01/26/2024 16:56	WG2202953
Antimony, Total Recoverable	ND		0.00679	9	01/26/2024 16:56	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:56	WG2202953
Vanadium, Total Recoverable	0.226		0.00300	9	01/26/2024 16:56	WG2202953
Zinc, Total Recoverable	0.0612	J	0.0230	9	01/26/2024 16:56	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 16:09	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 16:09	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 16:09	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 16:09	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 16:09	WG2202578
1,3-Dichloropropane	ND		1.00	1	01/07/2024 16:09	WG2202578
1,4-Dichlorobenzene	4.79		1.00	1	01/07/2024 16:09	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 16:09	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 16:09	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 16:09	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 16:09	WG2202578
Acetone	12.9	J1	11.3	1	01/07/2024 16:09	WG2202578
Acetonitrile	41.1	J1	30.0	1	01/07/2024 16:09	WG2202578
Acrolein	ND		20.0	1	01/07/2024 16:09	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 16:09	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 16:09	WG2202578
Benzene	5.74		1.00	1	01/07/2024 16:09	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Bromoform	ND		1.00	1	01/07/2024 16:09	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 16:09	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 16:09	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 16:09	WG2202578
Chlorobenzene	ND		1.00	1	01/07/2024 16:09	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Chloroform	ND		1.00	1	01/07/2024 16:09	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 16:09	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 16:09	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 16:09	WG2202578
Ethylbenzene	14.8		1.00	1	01/07/2024 16:09	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 16:09	WG2202578
Isobutanol	ND		110	1	01/07/2024 16:09	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 16:09	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 16:09	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 16:09	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 16:09	WG2202578
Styrene	ND		1.00	1	01/07/2024 16:09	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 16:09	WG2202578
Toluene	13.3		1.00	1	01/07/2024 16:09	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 16:09	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 16:09	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 16:09	WG2202578
Vinyl chloride	1.28		1.00	1	01/07/2024 16:09	WG2202578
Xylenes, Total	23.0		1.00	1	01/07/2024 16:09	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 16:09	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 16:09	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 16:09	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 16:09	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 16:09	WG2202578
(S) Toluene-d8	97.8			80.0-120	01/07/2024 16:09	WG2202578
(S) 1,2-Dichloroethane-d4	113			70.0-130	01/07/2024 16:09	WG2202578
(S) 4-Bromofluorobenzene	93.0			77.0-126	01/07/2024 16:09	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/10/2024 03:57	WG2202503
2,4,5-Tp (Silvex)	ND		1.00	1	01/10/2024 03:57	WG2202503
2,4-D	ND		4.00	1	01/10/2024 03:57	WG2202503
(S) 2,4-Dichlorophenyl Acetic Acid	2080	<u>J1</u>		14.0-158	01/10/2024 03:57	WG2202503

Sample Narrative:

L1693811-16 WG2202503: Surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 00:55	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 00:55	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 00:55	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 00:55	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 00:55	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 00:55	WG2202480
Chlordane	ND		0.500	1	01/11/2024 00:55	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 00:55	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 00:55	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 00:55	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 00:55	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 00:55	WG2202480
Endrin	ND		0.0500	1	01/11/2024 00:55	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 00:55	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 00:55	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 00:55	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 00:55	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 00:55	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 00:55	WG2202480
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/11/2024 00:55	WG2202480
(S) Tetrachloro-m-xylene	29.9			10.0-127	01/11/2024 00:55	WG2202480

Sample Narrative:

L1693811-16 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 00:55	WG2202480
PCB 1221	ND		1.00	1	01/11/2024 00:55	WG2202480
PCB 1232	ND		1.00	1	01/11/2024 00:55	WG2202480
PCB 1242	ND		1.00	1	01/11/2024 00:55	WG2202480
PCB 1248	ND		1.00	1	01/11/2024 00:55	WG2202480
PCB 1254	ND		1.00	1	01/11/2024 00:55	WG2202480
PCB 1260	ND		1.00	1	01/11/2024 00:55	WG2202480
(S) Decachlorobiphenyl	0.535	<u>J2</u>		10.0-128	01/11/2024 00:55	WG2202480
(S) Tetrachloro-m-xylene	34.7			10.0-127	01/11/2024 00:55	WG2202480

Sample Narrative:

L1693811-16 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 14:26	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 14:26	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 00:39	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 00:39	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 00:39	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 00:39	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 14:26	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 14:26	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 14:26	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 14:26	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 14:26	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 14:26	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 00:39	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 14:26	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 00:39	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 14:26	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 14:26	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 00:39	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 14:26	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 14:26	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 14:26	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 14:26	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 00:39	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 00:39	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 14:26	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 14:26	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 00:39	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 14:26	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 14:26	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 14:26	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 14:26	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 14:26	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 00:39	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 14:26	WG2202487
Anthracene	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 14:26	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 14:26	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 14:26	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 14:26	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 00:39	WG2202487
Chrysene	ND		10.0	1	01/19/2024 14:26	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 14:26	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 14:26	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diallate	ND		20.0	1	01/21/2024 00:39	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 14:26	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 14:26	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 00:39	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 14:26	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 00:39	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 00:39	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 00:39	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 00:39	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 00:39	WG2202487
Famphur	ND		200	1	01/21/2024 00:39	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 14:26	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 14:26	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 14:26	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 14:26	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 00:39	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 14:26	WG2202487
Isodrin	ND		10.0	1	01/21/2024 00:39	WG2202487
Isophorone	ND		10.0	1	01/19/2024 14:26	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 00:39	WG2202487
Kepone	ND		1.88	1	01/21/2024 00:39	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 00:39	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 00:39	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 00:39	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 14:26	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 14:26	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 00:39	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 00:39	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 00:39	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 00:39	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 14:26	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 00:39	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 14:26	WG2202487
Phenol	ND		10.0	1	01/19/2024 14:26	WG2202487
Phorate	ND		50.0	1	01/21/2024 00:39	WG2202487
Pronamide	ND		20.0	1	01/21/2024 00:39	WG2202487
Pyrene	ND		10.0	1	01/19/2024 14:26	WG2202487
Safrole	ND		50.0	1	01/21/2024 00:39	WG2202487
Thionazin	ND		10.0	1	01/21/2024 00:39	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 00:39	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 14:26	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 00:39	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 14:26	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 14:26	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 00:39	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 00:39	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 00:39	WG2202487
o-Toluidine	10.6		10.0	1	01/21/2024 00:39	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 00:39	WG2202487
(S) 2-Fluorophenol	17.7			10.0-120	01/19/2024 14:26	WG2202487
(S) 2,4,6-Tribromophenol	59.5			10.0-155	01/19/2024 14:26	WG2202487
(S) p-Terphenyl-d14	9.73	J2		10.0-128	01/19/2024 14:26	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	32.2			10.0-120	01/19/2024 14:26	WG2202487
(S) 2-Fluorobiphenyl	29.8			10.0-130	01/19/2024 14:26	WG2202487
(S) Nitrobenzene-d5	27.7			10.0-127	01/19/2024 14:26	WG2202487

Sample Narrative:

L1693811-16 WG2202487: Surrogate failure due to matrix interference

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

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

Analyte	Result	Units
pH (On Site)	7.64	su
Specific Conductance (on site)	37063	umhos/cm
Temperature (on-site)	22.4	Deg. C
Turbidity (on-site)	87.09	NTU
Dissolved Oxygen (on-site)	1.9	mg/l
eH/ORP (On Site)	-250.4	mV

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	13800		113	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	13300		10.0	1	01/09/2024 13:43	WG2203134
Alkalinity,Bicarbonate	13300		10.0	1	01/09/2024 13:43	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:43	WG2203134

Sample Narrative:

L1693811-17 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	2920		63.4	2000	01/09/2024 16:26	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:29	WG2202378

Sample Narrative:

L1693811-17 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	14.4		4.00	20	01/07/2024 18:02	WG2202664

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:34	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1960		5.19	100	01/06/2024 22:32	WG2202331
Sulfate	34.8	J	7.74	100	01/06/2024 22:32	WG2202331

Sample Narrative:

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
L1693811-17 WG2202331: SO4 BDL, dilution needed due to sample matrix color						

1 Cp

2 Tc

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	4310		10.2	100	01/10/2024 01:21	WG2203396

3 Ss

4 Cn

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury,Total Recoverable	ND		0.000490	10	01/08/2024 18:58	WG2202341

5 Sr

6 Qc

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:38	WG2202942
Barium,Total Recoverable	0.900		0.0153	9	01/09/2024 17:38	WG2202942
Calcium, Total Recoverable	70.0		0.417	9	01/09/2024 17:38	WG2202942
Iron, Total Recoverable	4.58		0.127	9	01/09/2024 17:38	WG2202942
Potassium, Total Recoverable	898		3.00	9	01/09/2024 17:38	WG2202942
Magnesium, Total Recoverable	57.4		0.200	9	01/09/2024 17:38	WG2202942
Manganese,Total Recoverable	0.612		0.0108	9	01/09/2024 17:38	WG2202942
Sodium,Total Recoverable	3330		5.00	9	01/09/2024 17:38	WG2202942
Lead, Total Recoverable	0.0446	U	0.0171	9	01/09/2024 17:38	WG2202942
Selenium, Total Recoverable	0.0830	U	0.0666	9	01/09/2024 17:38	WG2202942
Tin, Total Recoverable	0.315	U	0.100	9	01/09/2024 17:38	WG2202942

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.402		0.00500	9	01/26/2024 17:21	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 17:21	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 17:21	WG2202953
Cobalt,Total Recoverable	0.126		0.00300	9	01/26/2024 17:21	WG2202953
Chromium, Total Recoverable	0.468		0.00486	9	01/26/2024 17:21	WG2202953
Copper, Total Recoverable	0.0641		0.00468	9	01/26/2024 17:21	WG2202953
Nickel, Total Recoverable	0.576		0.00400	9	01/26/2024 17:21	WG2202953
Antimony, Total Recoverable	0.170		0.00679	9	01/26/2024 17:21	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 17:21	WG2202953
Vanadium,Total Recoverable	0.201		0.00300	9	01/26/2024 17:21	WG2202953
Zinc, Total Recoverable	0.286		0.0230	9	01/26/2024 17:21	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.20	10	01/07/2024 17:31	WG2202578
1,1,1-Trichloroethane	ND		1.00	10	01/07/2024 17:31	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.30	10	01/07/2024 17:31	WG2202578
1,1,2-Trichloroethane	ND		1.86	10	01/07/2024 17:31	WG2202578
1,1-Dichloroethane	ND		1.14	10	01/07/2024 17:31	WG2202578
1,1-Dichloroethene	ND		1.88	10	01/07/2024 17:31	WG2202578
1,1-Dichloropropene	ND		1.28	10	01/07/2024 17:31	WG2202578
1,2,3-Trichloropropane	ND		2.47	10	01/07/2024 17:31	WG2202578
1,2-Dibromo-3-Chloropropane	ND		3.25	10	01/07/2024 17:31	WG2202578

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromoethane	ND		1.93	10	01/07/2024 17:31	WG2202578
1,2-Dichlorobenzene	ND		1.01	10	01/07/2024 17:31	WG2202578
1,2-Dichloroethane	ND		1.08	10	01/07/2024 17:31	WG2202578
1,2-Dichloropropane	ND		1.90	10	01/07/2024 17:31	WG2202578
1,3-Dichlorobenzene	ND		1.30	10	01/07/2024 17:31	WG2202578
1,3-Dichloropropane	ND		1.47	10	01/07/2024 17:31	WG2202578
1,4-Dichlorobenzene	4.14	J	1.21	10	01/07/2024 17:31	WG2202578
2,2-Dichloropropane	ND		5.00	10	01/07/2024 17:31	WG2202578
2-Butanone (MEK)	2130		12.8	10	01/07/2024 17:31	WG2202578
2-Hexanone	15.5	J	7.57	10	01/07/2024 17:31	WG2202578
4-Methyl-2-pentanone (MIBK)	72.3		8.23	10	01/07/2024 17:31	WG2202578
Acetone	5230		11.3	10	01/07/2024 17:31	WG2202578
Acetonitrile	ND		150	10	01/07/2024 17:31	WG2202578
Acrolein	ND		88.7	10	01/07/2024 17:31	WG2202578
Acrylonitrile	ND		20.0	10	01/07/2024 17:31	WG2202578
Allyl chloride	ND		17.0	10	01/07/2024 17:31	WG2202578
Benzene	4.68	J	1.00	10	01/07/2024 17:31	WG2202578
Bromochloromethane	ND		1.45	10	01/07/2024 17:31	WG2202578
Bromodichloromethane	ND		1.00	10	01/07/2024 17:31	WG2202578
Bromoform	ND		1.86	10	01/07/2024 17:31	WG2202578
Bromomethane	ND	J4	1.57	10	01/07/2024 17:31	WG2202578
Carbon disulfide	10.3		1.01	10	01/07/2024 17:31	WG2202578
Carbon tetrachloride	ND		1.59	10	01/07/2024 17:31	WG2202578
Chlorobenzene	ND		1.40	10	01/07/2024 17:31	WG2202578
Chloroethane	ND		1.41	10	01/07/2024 17:31	WG2202578
Chloroform	ND		1.00	10	01/07/2024 17:31	WG2202578
Chloromethane	3.26	J	1.53	10	01/07/2024 17:31	WG2202578
Chloroprene	ND		17.0	10	01/07/2024 17:31	WG2202578
Dibromochloromethane	ND		1.28	10	01/07/2024 17:31	WG2202578
Dibromomethane	ND		1.17	10	01/07/2024 17:31	WG2202578
Dichlorodifluoromethane	ND		2.00	10	01/07/2024 17:31	WG2202578
Ethyl methacrylate	ND		14.0	10	01/07/2024 17:31	WG2202578
Ethylbenzene	11.1		1.58	10	01/07/2024 17:31	WG2202578
Iodomethane	ND	J4	3.77	10	01/07/2024 17:31	WG2202578
Isobutanol	ND		390	10	01/07/2024 17:31	WG2202578
Methacrylonitrile	ND		130	10	01/07/2024 17:31	WG2202578
Methyl methacrylate	ND		12.0	10	01/07/2024 17:31	WG2202578
Methylene Chloride	ND		10.7	10	01/07/2024 17:31	WG2202578
Propionitrile	ND		130	10	01/07/2024 17:31	WG2202578
Styrene	1.59	J	1.17	10	01/07/2024 17:31	WG2202578
Tetrachloroethene	ND		1.99	10	01/07/2024 17:31	WG2202578
Toluene	47.4		4.12	10	01/07/2024 17:31	WG2202578
Trichloroethene	ND		1.53	10	01/07/2024 17:31	WG2202578
Trichlorofluoromethane	ND		1.30	10	01/07/2024 17:31	WG2202578
Vinyl acetate	ND		6.45	10	01/07/2024 17:31	WG2202578
Vinyl chloride	ND		1.18	10	01/07/2024 17:31	WG2202578
Xylenes, Total	27.1		3.16	10	01/07/2024 17:31	WG2202578
cis-1,2-Dichloroethene	ND		1.00	10	01/07/2024 17:31	WG2202578
cis-1,3-Dichloropropene	ND		1.00	10	01/07/2024 17:31	WG2202578
trans-1,2-Dichloroethene	ND		1.52	10	01/07/2024 17:31	WG2202578
trans-1,3-Dichloropropene	ND		2.22	10	01/07/2024 17:31	WG2202578
trans-1,4-Dichloro-2-butene	ND		2.57	10	01/07/2024 17:31	WG2202578
(S) Toluene-d8	108			80.0-120	01/07/2024 17:31	WG2202578
(S) 1,2-Dichloroethane-d4	110			70.0-130	01/07/2024 17:31	WG2202578
(S) 4-Bromofluorobenzene	93.6			77.0-126	01/07/2024 17:31	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	

Sample Narrative:

L1693811-17 WG2202578: Lowest possible dilution due to sample matrix.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	42.2	50	01/12/2024 04:16	WG2202505
2,4,5-Tp (Silvex)	ND	J4	42.3	50	01/12/2024 04:16	WG2202505
2,4-D	ND	J4	37.2	50	01/12/2024 04:16	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	127	J7		14.0-158	01/12/2024 04:16	WG2202505

Sample Narrative:

L1693811-17 WG2202505: Dilution and surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

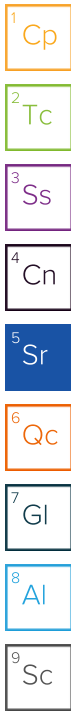
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/11/2024 01:05	WG2202480
4,4-DDE	ND		0.0500	1	01/11/2024 01:05	WG2202480
4,4-DDT	ND		0.0500	1	01/11/2024 01:05	WG2202480
Aldrin	ND		0.0500	1	01/11/2024 01:05	WG2202480
Alpha BHC	ND		0.0500	1	01/11/2024 01:05	WG2202480
Beta BHC	ND		0.500	1	01/11/2024 01:05	WG2202480
Chlordane	ND		0.500	1	01/11/2024 01:05	WG2202480
Delta BHC	ND		0.0500	1	01/11/2024 01:05	WG2202480
Dieldrin	ND		0.0500	1	01/11/2024 01:05	WG2202480
Endosulfan I	ND		0.0500	1	01/11/2024 01:05	WG2202480
Endosulfan II	ND		0.0500	1	01/11/2024 01:05	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/11/2024 01:05	WG2202480
Endrin	ND		0.0500	1	01/11/2024 01:05	WG2202480
Endrin aldehyde	ND		0.0500	1	01/11/2024 01:05	WG2202480
Gamma BHC	ND		0.0500	1	01/11/2024 01:05	WG2202480
Heptachlor	ND		0.0500	1	01/11/2024 01:05	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/11/2024 01:05	WG2202480
Methoxychlor	ND		0.100	1	01/11/2024 01:05	WG2202480
Toxaphene	ND		5.00	1	01/11/2024 01:05	WG2202480
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/11/2024 01:05	WG2202480
(S) Tetrachloro-m-xylene	71.5			10.0-127	01/11/2024 01:05	WG2202480

Sample Narrative:

L1693811-17 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND	J4	1.00	2	01/19/2024 00:49	WG2209018
PCB 1221	ND		1.00	2	01/19/2024 00:49	WG2209018
PCB 1232	ND		1.00	2	01/19/2024 00:49	WG2209018
PCB 1242	ND		1.00	2	01/19/2024 00:49	WG2209018
PCB 1248	ND		1.00	2	01/19/2024 00:49	WG2209018
PCB 1254	ND		1.00	2	01/19/2024 00:49	WG2209018
PCB 1260	ND		1.00	2	01/19/2024 00:49	WG2209018
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/19/2024 00:49	WG2209018
(S) Tetrachloro-m-xylene	17.5			10.0-127	01/19/2024 00:49	WG2209018



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
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Sample Narrative:

L1693811-17 WG2209018: Dilution due to sulfur cleanup.

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/19/2024 19:09	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	5	01/19/2024 19:09	WG2202487
1,3,5-Trinitrobenzene	ND		66.0	50	01/25/2024 01:59	WG2202487
1,3-Dinitrobenzene	ND		18.0	50	01/25/2024 01:59	WG2202487
1,4-Naphthoquinone	ND	J4	278	50	01/25/2024 01:59	WG2202487
1-Naphthylamine	ND		14.4	50	01/25/2024 01:59	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		22.2	50	01/24/2024 14:59	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	5	01/19/2024 19:09	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
2,4-Dichlorophenol	ND		10.0	5	01/19/2024 19:09	WG2202487
2,4-Dimethylphenol	ND		10.0	5	01/19/2024 19:09	WG2202487
2,4-Dinitrophenol	ND		50.0	5	01/19/2024 19:09	WG2202487
2,4-Dinitrotoluene	ND		10.0	5	01/19/2024 19:09	WG2202487
2,6-Dichlorophenol	ND		138	50	01/25/2024 01:59	WG2202487
2,6-Dinitrotoluene	ND		10.0	5	01/19/2024 19:09	WG2202487
2-Acetylaminofluorene	ND		100	50	01/25/2024 01:59	WG2202487
2-Chloronaphthalene	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
2-Chlorophenol	ND		14.1	50	01/24/2024 14:59	WG2202487
2-Methylnaphthalene	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
2-Methylphenol	ND		15.6	50	01/24/2024 14:59	WG2202487
2-Naphthylamine	ND		10.0	50	01/25/2024 01:59	WG2202487
2-Nitroaniline	ND		50.0	5	01/19/2024 19:09	WG2202487
2-Nitrophenol	ND		10.0	5	01/19/2024 19:09	WG2202487
3&4-Methyl Phenol	2540		13.3	50	01/24/2024 14:59	WG2202487
3,3-Dichlorobenzidine	ND		50.0	5	01/19/2024 19:09	WG2202487
3,3-Dimethylbenzidine	ND		169	50	01/25/2024 01:59	WG2202487
3-Methylcholanthrene	ND		20.0	50	01/25/2024 01:59	WG2202487
3-Nitroaniline	ND		50.0	5	01/19/2024 19:09	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/19/2024 19:09	WG2202487
4-Aminobiphenyl	ND		23.0	50	01/25/2024 01:59	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	5	01/19/2024 19:09	WG2202487
4-Chloro-3-methylphenol	ND		10.0	5	01/19/2024 19:09	WG2202487
4-Chloroaniline	ND		10.0	5	01/19/2024 19:09	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
4-Nitroaniline	ND		50.0	5	01/19/2024 19:09	WG2202487
4-Nitrophenol	ND	J4	50.0	5	01/19/2024 19:09	WG2202487
5-Nitro-o-toluidine	ND		99.5	50	01/25/2024 01:59	WG2202487
Acenaphthene	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Acenaphthylene	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Acetophenone	ND		136	50	01/24/2024 14:59	WG2202487
Anthracene	ND		10.0	5	01/19/2024 19:09	WG2202487
Benzo(A)Anthracene	ND		10.0	5	01/19/2024 19:09	WG2202487
Benzo(a)pyrene	ND		10.0	5	01/19/2024 19:09	WG2202487
Benzo(b)fluoranthene	ND		10.0	5	01/19/2024 19:09	WG2202487
Benzo(g,h,i)perylene	ND		10.0	5	01/19/2024 19:09	WG2202487
Benzo(k)fluoranthene	ND		10.0	5	01/19/2024 19:09	WG2202487
Benzyl Alcohol	ND		19.7	50	01/24/2024 14:59	WG2202487
Benzylbutyl phthalate	ND		10.0	5	01/19/2024 19:09	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/19/2024 19:09	WG2202487
Bis(2-chloroethoxy)methane	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Bis(2-chloroethyl)ether	ND		81.0	50	01/24/2024 14:59	WG2202487
Chlorobenzilate	ND		66.5	50	01/25/2024 01:59	WG2202487
Chrysene	ND		10.0	5	01/19/2024 19:09	WG2202487
Di-n-butyl phthalate	ND		10.0	5	01/19/2024 19:09	WG2202487
Di-n-octyl phthalate	ND		10.0	5	01/19/2024 19:09	WG2202487
Diallate	ND		26.2	50	01/25/2024 01:59	WG2202487
Dibenz(a,h)anthracene	ND		20.0	5	01/19/2024 19:09	WG2202487
Dibenzofuran	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Diethyl phthalate	ND		10.0	5	01/19/2024 19:09	WG2202487
Dimethoate	ND		72.0	50	01/25/2024 01:59	WG2202487
Dimethyl phthalate	ND		10.0	5	01/19/2024 19:09	WG2202487
Dimethylbenz (A) Anthracene	ND		85.5	50	01/25/2024 01:59	WG2202487
Dinoseb	ND		895	50	01/25/2024 01:59	WG2202487
Diphenylamine	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Disulfoton	ND		50.0	50	01/25/2024 01:59	WG2202487
Ethyl methanesulfonate	ND		16.3	50	01/25/2024 01:59	WG2202487
Ethyl parathion	ND		50.0	50	01/25/2024 01:59	WG2202487
Famphur	ND		200	50	01/25/2024 01:59	WG2202487
Fluoranthene	ND		1.55	5	01/19/2024 19:09	WG2202487
Fluorene	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	5	01/19/2024 19:09	WG2202487
Hexachlorobenzene	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	5	01/19/2024 19:09	WG2202487
Hexachloroethane	ND		18.3	50	01/24/2024 14:59	WG2202487
Hexachloropropene	ND		100	50	01/25/2024 01:59	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/19/2024 19:09	WG2202487
Isodrin	ND		14.7	50	01/25/2024 01:59	WG2202487
Isophorone	ND		10.0	5	01/19/2024 19:09	WG2202487
Isosafrole	ND		20.5	50	01/25/2024 01:59	WG2202487
Kepone	ND		94.0	50	01/25/2024 01:59	WG2202487
Methapyrilene	ND		213	50	01/25/2024 01:59	WG2202487
Methyl methanesulfonate	ND		50.0	50	01/25/2024 01:59	WG2202487
Methyl parathion	ND		10.7	50	01/25/2024 01:59	WG2202487
Naphthalene	ND		10.0	5	01/19/2024 19:09	WG2202487
Nitrobenzene	ND		10.0	5	01/19/2024 19:09	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	50	01/25/2024 01:59	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	50	01/25/2024 01:59	WG2202487
Pentachlorobenzene	ND		18.5	50	01/25/2024 01:59	WG2202487
Pentachloronitrobenzene	ND		50.0	50	01/25/2024 01:59	WG2202487
Pentachlorophenol	ND	J3	50.0	5	01/19/2024 19:09	WG2202487
Phenacetin	ND		13.1	50	01/25/2024 01:59	WG2202487
Phenanthrene	ND		20.0	5	01/19/2024 19:09	WG2202487
Phenol	3150		16.7	50	01/24/2024 14:59	WG2202487
Phorate	ND		50.0	50	01/25/2024 01:59	WG2202487
Pronamide	ND		20.0	50	01/25/2024 01:59	WG2202487
Pyrene	ND		10.0	5	01/19/2024 19:09	WG2202487
Safrole	ND		50.0	50	01/25/2024 01:59	WG2202487
Thionazin	ND		10.2	50	01/25/2024 01:59	WG2202487
n-Nitrosodi-n-butylamine	ND		16.6	50	01/25/2024 01:59	WG2202487
n-Nitrosodi-n-propylamine	ND		20.1	50	01/24/2024 14:59	WG2202487
n-Nitrosodiethylamine	ND		24.9	50	01/25/2024 01:59	WG2202487
n-Nitrosodimethylamine	ND		63.0	50	01/24/2024 14:59	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	5	01/19/2024 19:09	WG2202487
n-Nitrosomethylethylamine	ND		85.5	50	01/25/2024 01:59	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
n-Nitrosopiperidine	ND		13.4	50	01/25/2024 01:59	WG2202487
n-Nitrosopyrrolidine	ND		128	50	01/25/2024 01:59	WG2202487
o-Toluidine	49.2	<u>J</u>	18.1	50	01/25/2024 01:59	WG2202487
p-Phenylenediamine	ND	<u>J4</u>	19400	50	01/25/2024 01:59	WG2202487
(S) 2-Fluorophenol	19.6	<u>J7</u>		10.0-120	01/24/2024 14:59	WG2202487
(S) 2-Fluorophenol	43.2			10.0-120	01/19/2024 19:09	WG2202487
(S) 2,4,6-Tribromophenol	89.5			10.0-155	01/19/2024 19:09	WG2202487
(S) 2,4,6-Tribromophenol	48.7	<u>J7</u>		10.0-155	01/24/2024 14:59	WG2202487
(S) p-Terphenyl-d14	4.32	<u>J2</u>		10.0-128	01/19/2024 19:09	WG2202487
(S) p-Terphenyl-d14	2.23	<u>J7</u>		10.0-128	01/24/2024 14:59	WG2202487
(S) Phenol-d5	20.0	<u>J7</u>		10.0-120	01/24/2024 14:59	WG2202487
(S) Phenol-d5	55.3			10.0-120	01/19/2024 19:09	WG2202487
(S) 2-Fluorobiphenyl	22.9	<u>J7</u>		10.0-130	01/24/2024 14:59	WG2202487
(S) 2-Fluorobiphenyl	30.3			10.0-130	01/19/2024 19:09	WG2202487
(S) Nitrobenzene-d5	143	<u>J7</u>		10.0-127	01/24/2024 14:59	WG2202487
(S) Nitrobenzene-d5	40.1			10.0-127	01/19/2024 19:09	WG2202487

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Sample Narrative:

L1693811-17 WG2202487: Dilution and surrogate failure due to matrix interference.
 L1693811-17 WG2202487: IS/SURR failed on lower dilution.

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

Analyte	Result	Units
pH (On Site)	6.87	su
Specific Conductance (on site)	20221	umhos/cm
Temperature (on-site)	17.4	Deg. C
Turbidity (on-site)	427.88	NTU
Dissolved Oxygen (on-site)	5.97	mg/l
eH/ORP (On Site)	-96.3	mV

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	2640		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	5530		10.0	1	01/09/2024 13:51	WG2203134
Alkalinity,Bicarbonate	5530		10.0	1	01/09/2024 13:51	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:51	WG2203134

Sample Narrative:

L1693811-18 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	1090		6.34	200	01/09/2024 16:28	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	6.20		0.197	10	01/08/2024 20:32	WG2202378

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/08/2024 08:12	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:35	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	972		5.19	100	01/06/2024 22:45	WG2202331
Sulfate	59.5	J	7.74	100	01/06/2024 22:45	WG2202331

Sample Narrative:

L1693811-18 WG2202331: SO4 BDL, dilution needed due to sample matrix color

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	465		1.02	10	01/11/2024 12:47	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 19:00	WG2202341

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:41	WG2202942
Barium, Total Recoverable	0.880		0.0153	9	01/09/2024 17:41	WG2202942
Calcium, Total Recoverable	103		0.417	9	01/09/2024 17:41	WG2202942
Iron, Total Recoverable	12.5		0.127	9	01/09/2024 17:41	WG2202942
Potassium, Total Recoverable	409		3.00	9	01/09/2024 17:41	WG2202942
Magnesium, Total Recoverable	39.8		0.200	9	01/09/2024 17:41	WG2202942
Manganese, Total Recoverable	0.716		0.0108	9	01/09/2024 17:41	WG2202942
Sodium, Total Recoverable	1480		5.00	9	01/09/2024 17:41	WG2202942
Lead, Total Recoverable	0.0432	J	0.0171	9	01/09/2024 17:41	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:41	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:41	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.118		0.00500	9	01/26/2024 16:59	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 16:59	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 16:59	WG2202953
Cobalt, Total Recoverable	0.0595		0.00300	9	01/26/2024 16:59	WG2202953
Chromium, Total Recoverable	0.194		0.00486	9	01/26/2024 16:59	WG2202953
Copper, Total Recoverable	0.0100	J	0.00468	9	01/26/2024 16:59	WG2202953
Nickel, Total Recoverable	0.423		0.00400	9	01/26/2024 16:59	WG2202953
Antimony, Total Recoverable	ND		0.00679	9	01/26/2024 16:59	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 16:59	WG2202953
Vanadium, Total Recoverable	0.144		0.00300	9	01/26/2024 16:59	WG2202953
Zinc, Total Recoverable	0.0789	J	0.0230	9	01/26/2024 16:59	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,1,1-Trichloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,1,2-Trichloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,1-Dichloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,1-Dichloroethene	ND		1.00	1	01/07/2024 16:29	WG2202578
1,1-Dichloropropene	ND		1.00	1	01/07/2024 16:29	WG2202578
1,2,3-Trichloropropane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/07/2024 16:29	WG2202578
1,2-Dibromoethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,2-Dichlorobenzene	ND		1.00	1	01/07/2024 16:29	WG2202578
1,2-Dichloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,2-Dichloropropane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,3-Dichlorobenzene	ND		1.00	1	01/07/2024 16:29	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/07/2024 16:29	WG2202578
1,4-Dichlorobenzene	6.19		1.00	1	01/07/2024 16:29	WG2202578
2,2-Dichloropropane	ND		5.00	1	01/07/2024 16:29	WG2202578
2-Butanone (MEK)	ND		5.00	1	01/07/2024 16:29	WG2202578
2-Hexanone	ND		5.00	1	01/07/2024 16:29	WG2202578
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/07/2024 16:29	WG2202578
Acetone	12.8	J	11.3	1	01/07/2024 16:29	WG2202578
Acetonitrile	35.1	J	30.0	1	01/07/2024 16:29	WG2202578
Acrolein	ND		20.0	1	01/07/2024 16:29	WG2202578
Acrylonitrile	ND		20.0	1	01/07/2024 16:29	WG2202578
Allyl chloride	ND		10.0	1	01/07/2024 16:29	WG2202578
Benzene	7.59		1.00	1	01/07/2024 16:29	WG2202578
Bromochloromethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Bromodichloromethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Bromoform	ND		1.00	1	01/07/2024 16:29	WG2202578
Bromomethane	ND	J4	1.00	1	01/07/2024 16:29	WG2202578
Carbon disulfide	ND		1.00	1	01/07/2024 16:29	WG2202578
Carbon tetrachloride	ND		1.00	1	01/07/2024 16:29	WG2202578
Chlorobenzene	1.46		1.00	1	01/07/2024 16:29	WG2202578
Chloroethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Chloroform	ND		1.00	1	01/07/2024 16:29	WG2202578
Chloromethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Chloroprene	ND		1.70	1	01/07/2024 16:29	WG2202578
Dibromochloromethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Dibromomethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Dichlorodifluoromethane	ND		2.00	1	01/07/2024 16:29	WG2202578
Ethyl methacrylate	ND		3.00	1	01/07/2024 16:29	WG2202578
Ethylbenzene	16.9		1.00	1	01/07/2024 16:29	WG2202578
Iodomethane	ND	J4	1.00	1	01/07/2024 16:29	WG2202578
Isobutanol	ND		110	1	01/07/2024 16:29	WG2202578
Methacrylonitrile	ND		13.0	1	01/07/2024 16:29	WG2202578
Methyl methacrylate	ND		4.00	1	01/07/2024 16:29	WG2202578
Methylene Chloride	ND		1.07	1	01/07/2024 16:29	WG2202578
Propionitrile	ND		20.0	1	01/07/2024 16:29	WG2202578
Styrene	1.41		1.00	1	01/07/2024 16:29	WG2202578
Tetrachloroethene	ND		1.00	1	01/07/2024 16:29	WG2202578
Toluene	8.85		1.00	1	01/07/2024 16:29	WG2202578
Trichloroethene	ND		1.00	1	01/07/2024 16:29	WG2202578
Trichlorofluoromethane	ND		1.00	1	01/07/2024 16:29	WG2202578
Vinyl acetate	ND		5.00	1	01/07/2024 16:29	WG2202578
Vinyl chloride	1.53		1.00	1	01/07/2024 16:29	WG2202578
Xylenes, Total	42.3		1.00	1	01/07/2024 16:29	WG2202578
cis-1,2-Dichloroethene	ND		1.00	1	01/07/2024 16:29	WG2202578
cis-1,3-Dichloropropene	ND		1.00	1	01/07/2024 16:29	WG2202578
trans-1,2-Dichloroethene	ND		1.00	1	01/07/2024 16:29	WG2202578
trans-1,3-Dichloropropene	ND		1.00	1	01/07/2024 16:29	WG2202578
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/07/2024 16:29	WG2202578
(S) Toluene-d8	104			80.0-120	01/07/2024 16:29	WG2202578
(S) 1,2-Dichloroethane-d4	111			70.0-130	01/07/2024 16:29	WG2202578
(S) 4-Bromofluorobenzene	96.0			77.0-126	01/07/2024 16:29	WG2202578

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/11/2024 04:22	WG2202505
2,4,5-Tp (Silvex)	ND	J4	1.00	1	01/11/2024 04:22	WG2202505
2,4-D	ND	J4	4.00	1	01/11/2024 04:22	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	86.2			14.0-158	01/11/2024 04:22	WG2202505

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 23:22	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 23:22	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 23:22	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 23:22	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 23:22	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 23:22	WG2202480
Chlordane	ND		0.500	1	01/10/2024 23:22	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 23:22	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 23:22	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 23:22	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 23:22	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 23:22	WG2202480
Endrin	ND		0.0500	1	01/10/2024 23:22	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 23:22	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 23:22	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 23:22	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 23:22	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 23:22	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 23:22	WG2202480
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/10/2024 23:22	WG2202480
(S) Tetrachloro-m-xylene	29.7			10.0-127	01/10/2024 23:22	WG2202480

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-18 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 23:22	WG2202480
PCB 1221	ND		1.00	1	01/10/2024 23:22	WG2202480
PCB 1232	ND		1.00	1	01/10/2024 23:22	WG2202480
PCB 1242	ND		1.00	1	01/10/2024 23:22	WG2202480
PCB 1248	ND		1.00	1	01/10/2024 23:22	WG2202480
PCB 1254	ND		1.00	1	01/10/2024 23:22	WG2202480
PCB 1260	ND		1.00	1	01/10/2024 23:22	WG2202480
(S) Decachlorobiphenyl	0.621	J2		10.0-128	01/10/2024 23:22	WG2202480
(S) Tetrachloro-m-xylene	29.8			10.0-127	01/10/2024 23:22	WG2202480

Sample Narrative:

L1693811-18 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 14:48	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 14:48	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 00:56	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 00:56	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 00:56	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 00:56	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 14:48	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 14:48	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 14:48	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 14:48	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 14:48	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 14:48	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 00:56	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 14:48	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 00:56	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 14:48	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 14:48	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 00:56	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 14:48	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 14:48	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 14:48	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 14:48	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 00:56	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 00:56	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 14:48	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 14:48	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 00:56	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 14:48	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 14:48	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 14:48	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 14:48	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 14:48	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 00:56	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 14:48	WG2202487
Anthracene	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 14:48	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 14:48	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 14:48	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 14:48	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 00:56	WG2202487
Chrysene	ND		10.0	1	01/19/2024 14:48	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 14:48	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 14:48	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diallate	ND		20.0	1	01/21/2024 00:56	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 14:48	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 14:48	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 00:56	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 14:48	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 00:56	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 00:56	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 00:56	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 00:56	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 00:56	WG2202487
Famphur	ND		200	1	01/21/2024 00:56	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 14:48	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 14:48	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 14:48	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 14:48	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 00:56	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 14:48	WG2202487
Isodrin	ND		10.0	1	01/21/2024 00:56	WG2202487
Isophorone	ND		10.0	1	01/19/2024 14:48	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 00:56	WG2202487
Kepone	ND		1.88	1	01/21/2024 00:56	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 00:56	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 00:56	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 00:56	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 14:48	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 14:48	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 00:56	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 00:56	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 00:56	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 00:56	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 14:48	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 00:56	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 14:48	WG2202487
Phenol	ND		10.0	1	01/19/2024 14:48	WG2202487
Phorate	ND		50.0	1	01/21/2024 00:56	WG2202487
Pronamide	ND		20.0	1	01/21/2024 00:56	WG2202487
Pyrene	ND		10.0	1	01/19/2024 14:48	WG2202487
Safrole	ND		50.0	1	01/21/2024 00:56	WG2202487
Thionazin	ND		10.0	1	01/21/2024 00:56	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 00:56	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 14:48	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 00:56	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 14:48	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 14:48	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 00:56	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 00:56	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 00:56	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 00:56	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 00:56	WG2202487
(S) 2-Fluorophenol	25.5			10.0-120	01/19/2024 14:48	WG2202487
(S) 2,4,6-Tribromophenol	70.5			10.0-155	01/19/2024 14:48	WG2202487
(S) p-Terphenyl-d14	18.5			10.0-128	01/19/2024 14:48	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	<u>Qualifier</u>	RL ug/l	Dilution	Analysis date / time	<u>Batch</u>
(S) Phenol-d5	34.6			10.0-120	01/19/2024 14:48	WG2202487
(S) 2-Fluorobiphenyl	39.2			10.0-130	01/19/2024 14:48	WG2202487
(S) Nitrobenzene-d5	39.6			10.0-127	01/19/2024 14:48	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

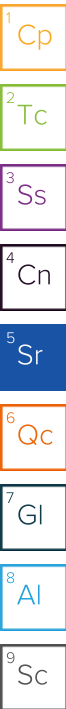
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	7.03	su
Specific Conductance (on site)	29747	umhos/cm
Temperature (on-site)	26	Deg. C
Turbidity (on-site)	34.52	NTU
Dissolved Oxygen (on-site)	3.69	mg/l
eH/ORP (On Site)	-149.2	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	5740		56.4	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	6430		10.0	1	01/09/2024 13:56	WG2203134
Alkalinity,Bicarbonate	6430		10.0	1	01/09/2024 13:56	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 13:56	WG2203134

Sample Narrative:

L1693811-19 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	1320		6.34	200	01/09/2024 15:51	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:46	WG2202378

Sample Narrative:

L1693811-19 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/08/2024 08:13	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 17:36	WG2202705

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1720		5.19	100	01/06/2024 22:58	WG2202331
Sulfate	284	J	7.74	100	01/06/2024 22:58	WG2202331

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	604		2.04	20	01/11/2024 23:33	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 19:03	WG2202341

Metals (ICP) by Method 6010B

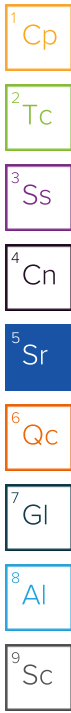
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 17:44	WG2202942
Barium, Total Recoverable	0.549		0.0153	9	01/09/2024 17:44	WG2202942
Calcium, Total Recoverable	90.7		0.417	9	01/09/2024 17:44	WG2202942
Iron, Total Recoverable	7.11		0.127	9	01/09/2024 17:44	WG2202942
Potassium, Total Recoverable	462		3.00	9	01/09/2024 17:44	WG2202942
Magnesium, Total Recoverable	41.1		0.200	9	01/09/2024 17:44	WG2202942
Manganese, Total Recoverable	0.523		0.0108	9	01/09/2024 17:44	WG2202942
Sodium, Total Recoverable	1740		5.00	9	01/09/2024 17:44	WG2202942
Lead, Total Recoverable	0.0253	J	0.0171	9	01/09/2024 17:44	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 17:44	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 17:44	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.113		0.00500	9	01/26/2024 17:02	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 17:02	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 17:02	WG2202953
Cobalt, Total Recoverable	0.0866		0.00300	9	01/26/2024 17:02	WG2202953
Chromium, Total Recoverable	0.232		0.00486	9	01/26/2024 17:02	WG2202953
Copper, Total Recoverable	1.90		0.00468	9	01/26/2024 17:02	WG2202953
Nickel, Total Recoverable	0.577		0.00400	9	01/26/2024 17:02	WG2202953
Antimony, Total Recoverable	ND		0.00679	9	01/26/2024 17:02	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 17:02	WG2202953
Vanadium, Total Recoverable	0.242		0.00300	9	01/26/2024 17:02	WG2202953
Zinc, Total Recoverable	0.137	J	0.0230	9	01/26/2024 17:02	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,1,1-Trichloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,1,2,2-Tetrachloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,1,2-Trichloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,1-Dichloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,1-Dichloroethene	ND		1.00	5	01/08/2024 18:55	WG2203065
1,1-Dichloropropene	ND		1.00	5	01/08/2024 18:55	WG2203065
1,2,3-Trichloropropane	ND		1.23	5	01/08/2024 18:55	WG2203065
1,2-Dibromo-3-Chloropropane	ND		2.00	5	01/08/2024 18:55	WG2203065
1,2-Dibromoethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,2-Dichlorobenzene	ND		1.00	5	01/08/2024 18:55	WG2203065
1,2-Dichloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,2-Dichloropropane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,3-Dichlorobenzene	ND		1.00	5	01/08/2024 18:55	WG2203065



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	5	01/08/2024 18:55	WG2203065
1,4-Dichlorobenzene	ND		1.00	5	01/08/2024 18:55	WG2203065
2,2-Dichloropropane	ND		5.00	5	01/08/2024 18:55	WG2203065
2-Butanone (MEK)	ND		6.40	5	01/08/2024 18:55	WG2203065
2-Hexanone	ND		5.00	5	01/08/2024 18:55	WG2203065
4-Methyl-2-pentanone (MIBK)	ND		5.00	5	01/08/2024 18:55	WG2203065
Acetone	19.6	<u>J</u>	11.3	5	01/08/2024 18:55	WG2203065
Acetonitrile	ND		75.0	5	01/08/2024 18:55	WG2203065
Acrolein	ND		44.4	5	01/08/2024 18:55	WG2203065
Acrylonitrile	ND		20.0	5	01/08/2024 18:55	WG2203065
Allyl chloride	ND		10.0	5	01/08/2024 18:55	WG2203065
Benzene	6.49		1.00	5	01/08/2024 18:55	WG2203065
Bromochloromethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Bromodichloromethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Bromoform	ND		1.00	5	01/08/2024 18:55	WG2203065
Bromomethane	ND	<u>J4</u>	1.00	5	01/08/2024 18:55	WG2203065
Carbon disulfide	ND		1.00	5	01/08/2024 18:55	WG2203065
Carbon tetrachloride	ND		1.00	5	01/08/2024 18:55	WG2203065
Chlorobenzene	ND		1.00	5	01/08/2024 18:55	WG2203065
Chloroethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Chloroform	ND		1.00	5	01/08/2024 18:55	WG2203065
Chloromethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Chloroprene	ND		8.50	5	01/08/2024 18:55	WG2203065
Dibromochloromethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Dibromomethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Dichlorodifluoromethane	ND		2.00	5	01/08/2024 18:55	WG2203065
Ethyl methacrylate	ND		7.00	5	01/08/2024 18:55	WG2203065
Ethylbenzene	19.5		1.00	5	01/08/2024 18:55	WG2203065
Iodomethane	ND	<u>J4</u>	1.89	5	01/08/2024 18:55	WG2203065
Isobutanol	ND		195	5	01/08/2024 18:55	WG2203065
Methacrylonitrile	ND		65.0	5	01/08/2024 18:55	WG2203065
Methyl methacrylate	ND		6.00	5	01/08/2024 18:55	WG2203065
Methylene Chloride	ND		5.35	5	01/08/2024 18:55	WG2203065
Propionitrile	ND		65.0	5	01/08/2024 18:55	WG2203065
Styrene	2.55		1.00	5	01/08/2024 18:55	WG2203065
Tetrachloroethene	ND		1.00	5	01/08/2024 18:55	WG2203065
Toluene	18.0		2.06	5	01/08/2024 18:55	WG2203065
Trichloroethene	ND		1.00	5	01/08/2024 18:55	WG2203065
Trichlorofluoromethane	ND		1.00	5	01/08/2024 18:55	WG2203065
Vinyl acetate	ND	<u>J3</u>	5.00	5	01/08/2024 18:55	WG2203065
Vinyl chloride	ND		1.00	5	01/08/2024 18:55	WG2203065
Xylenes, Total	31.4		1.58	5	01/08/2024 18:55	WG2203065
cis-1,2-Dichloroethene	ND		1.00	5	01/08/2024 18:55	WG2203065
cis-1,3-Dichloropropene	ND		1.00	5	01/08/2024 18:55	WG2203065
trans-1,2-Dichloroethene	ND		1.00	5	01/08/2024 18:55	WG2203065
trans-1,3-Dichloropropene	ND		1.11	5	01/08/2024 18:55	WG2203065
trans-1,4-Dichloro-2-butene	ND	<u>J3</u>	1.29	5	01/08/2024 18:55	WG2203065
(S) Toluene-d8	107			80.0-120	01/08/2024 18:55	WG2203065
(S) 1,2-Dichloroethane-d4	117			70.0-130	01/08/2024 18:55	WG2203065
(S) 4-Bromofluorobenzene	93.3			77.0-126	01/08/2024 18:55	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-19 WG2203065: Non-target compounds too high to run at a lower dilution.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/11/2024 04:32	WG2202505
2,4,5-Tp (Silvex)	ND	J4	1.00	1	01/11/2024 04:32	WG2202505
2,4-D	ND	J4	4.00	1	01/11/2024 04:32	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	30.2			14.0-158	01/11/2024 04:32	WG2202505

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 23:33	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 23:33	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 23:33	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 23:33	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 23:33	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 23:33	WG2202480
Chlordane	ND		0.500	1	01/10/2024 23:33	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 23:33	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 23:33	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 23:33	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 23:33	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 23:33	WG2202480
Endrin	ND		0.0500	1	01/10/2024 23:33	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 23:33	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 23:33	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 23:33	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 23:33	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 23:33	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 23:33	WG2202480
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/10/2024 23:33	WG2202480
(S) Tetrachloro-m-xylene	67.4			10.0-127	01/10/2024 23:33	WG2202480

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-19 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 23:33	WG2202480
PCB 1221	ND		1.00	1	01/10/2024 23:33	WG2202480
PCB 1232	ND		1.00	1	01/10/2024 23:33	WG2202480
PCB 1242	ND		1.00	1	01/10/2024 23:33	WG2202480
PCB 1248	ND		1.00	1	01/10/2024 23:33	WG2202480
PCB 1254	ND		1.00	1	01/10/2024 23:33	WG2202480
PCB 1260	ND		1.00	1	01/10/2024 23:33	WG2202480
(S) Decachlorobiphenyl	0.621	J2		10.0-128	01/10/2024 23:33	WG2202480
(S) Tetrachloro-m-xylene	27.6			10.0-127	01/10/2024 23:33	WG2202480

Sample Narrative:

L1693811-19 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 15:10	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 15:10	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 01:13	WG2202487
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 01:13	WG2202487
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 01:13	WG2202487
1-Naphthylamine	ND		10.0	1	01/21/2024 01:13	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 15:10	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 15:10	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 15:10	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 15:10	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 15:10	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 15:10	WG2202487
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 01:13	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 15:10	WG2202487
2-Acetylaminofluorene	ND		100	1	01/21/2024 01:13	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
2-Chlorophenol	ND		10.0	1	01/19/2024 15:10	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
2-Methylphenol	ND		10.0	1	01/19/2024 15:10	WG2202487
2-Naphthylamine	ND		10.0	1	01/21/2024 01:13	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 15:10	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 15:10	WG2202487
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 15:10	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 15:10	WG2202487
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 01:13	WG2202487
3-Methylcholanthrene	ND		20.0	1	01/21/2024 01:13	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 15:10	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 15:10	WG2202487
4-Aminobiphenyl	ND		10.0	1	01/21/2024 01:13	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 15:10	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 15:10	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 15:10	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 15:10	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 15:10	WG2202487
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 01:13	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Acetophenone	ND		10.0	1	01/19/2024 15:10	WG2202487
Anthracene	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzyl Alcohol	ND		10.0	1	01/19/2024 15:10	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 15:10	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 15:10	WG2202487
Bis(2-chlorethoxy)methane	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 15:10	WG2202487
Chlorobenzilate	ND		10.0	1	01/21/2024 01:13	WG2202487
Chrysene	ND		10.0	1	01/19/2024 15:10	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 15:10	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 15:10	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/21/2024 01:13	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 15:10	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 15:10	WG2202487
Dimethoate	ND		20.0	1	01/21/2024 01:13	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 15:10	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 01:13	WG2202487
Dinoseb	ND		17.9	1	01/21/2024 01:13	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Disulfoton	ND		50.0	1	01/21/2024 01:13	WG2202487
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 01:13	WG2202487
Ethyl parathion	ND		50.0	1	01/21/2024 01:13	WG2202487
Famphur	ND		200	1	01/21/2024 01:13	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 15:10	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 15:10	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 15:10	WG2202487
Hexachloroethane	ND		10.0	1	01/19/2024 15:10	WG2202487
Hexachloropropene	ND		100	1	01/21/2024 01:13	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 15:10	WG2202487
Isodrin	ND		10.0	1	01/21/2024 01:13	WG2202487
Isophorone	ND		10.0	1	01/19/2024 15:10	WG2202487
Isosafrole	ND		20.0	1	01/21/2024 01:13	WG2202487
Kepone	ND		1.88	1	01/21/2024 01:13	WG2202487
Methapyrilene	ND		50.0	1	01/21/2024 01:13	WG2202487
Methyl methanesulfonate	ND		50.0	1	01/21/2024 01:13	WG2202487
Methyl parathion	ND		10.0	1	01/21/2024 01:13	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 15:10	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 15:10	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 01:13	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 01:13	WG2202487
Pentachlorobenzene	ND		10.0	1	01/21/2024 01:13	WG2202487
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 01:13	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 15:10	WG2202487
Phenacetin	ND		10.0	1	01/21/2024 01:13	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 15:10	WG2202487
Phenol	11.7		10.0	1	01/19/2024 15:10	WG2202487
Phorate	ND		50.0	1	01/21/2024 01:13	WG2202487
Pronamide	ND		20.0	1	01/21/2024 01:13	WG2202487
Pyrene	ND		10.0	1	01/19/2024 15:10	WG2202487
Safrole	ND		50.0	1	01/21/2024 01:13	WG2202487
Thionazin	ND		10.0	1	01/21/2024 01:13	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 01:13	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 15:10	WG2202487
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 01:13	WG2202487
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 15:10	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 15:10	WG2202487
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 01:13	WG2202487
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 01:13	WG2202487
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 01:13	WG2202487
o-Toluidine	ND		10.0	1	01/21/2024 01:13	WG2202487
p-Phenylenediamine	ND	J4	387	1	01/21/2024 01:13	WG2202487
(S) 2-Fluorophenol	24.6			10.0-120	01/19/2024 15:10	WG2202487
(S) 2,4,6-Tribromophenol	75.3			10.0-155	01/19/2024 15:10	WG2202487
(S) p-Terphenyl-d14	20.0			10.0-128	01/19/2024 15:10	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

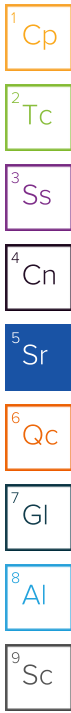
Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	34.7			10.0-120	01/19/2024 15:10	WG2202487
(S) 2-Fluorobiphenyl	42.9			10.0-130	01/19/2024 15:10	WG2202487
(S) Nitrobenzene-d5	45.5			10.0-127	01/19/2024 15:10	WG2202487

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

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

Analyte	Result	Units
pH (On Site)	6.86	su
Specific Conductance (on site)	16070	umhos/cm
Temperature (on-site)	24.8	Deg. C
Turbidity (on-site)	484.71	NTU
Dissolved Oxygen (on-site)	4.77	mg/l
eH/ORP (On Site)	2.1	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	2010		28.2	1	01/08/2024 10:55	WG2202560

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	2470		10.0	1	01/09/2024 14:01	WG2203134
Alkalinity,Bicarbonate	2470		10.0	1	01/09/2024 14:01	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 14:01	WG2203134

Sample Narrative:

L1693811-20 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	516		3.17	100	01/09/2024 15:53	WG2203371

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	9.70		0.100	5	01/08/2024 20:47	WG2202378

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/08/2024 08:13	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	5	01/08/2024 23:04	WG2203138

Sample Narrative:

L1693811-20 WG2203138: Dilution due to matrix interference

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	621	<u>V</u>	3.00	10	01/06/2024 23:10	WG2202331
Sulfate	242	<u>V</u>	5.00	10	01/06/2024 23:10	WG2202331

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	128		1.00	5	01/12/2024 09:12	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 19:05	WG2202341

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	01/09/2024 17:47	WG2202942
Barium, Total Recoverable	0.424		0.00500	1	01/09/2024 17:47	WG2202942
Calcium, Total Recoverable	67.2		0.200	1	01/09/2024 17:47	WG2202942
Iron, Total Recoverable	5.13		0.0600	1	01/09/2024 17:47	WG2202942
Potassium, Total Recoverable	184		3.00	1	01/09/2024 17:47	WG2202942
Magnesium, Total Recoverable	29.3		0.200	1	01/09/2024 17:47	WG2202942
Manganese, Total Recoverable	0.670		0.00300	1	01/09/2024 17:47	WG2202942
Sodium, Total Recoverable	850		5.00	1	01/09/2024 17:47	WG2202942
Lead, Total Recoverable	ND		0.00500	1	01/09/2024 17:47	WG2202942
Selenium, Total Recoverable	ND		0.0100	1	01/09/2024 17:47	WG2202942
Tin, Total Recoverable	ND		0.100	1	01/09/2024 17:47	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0405		0.00500	1	01/26/2024 17:05	WG2202953
Beryllium, Total Recoverable	ND		0.00100	1	01/26/2024 17:05	WG2202953
Cadmium, Total Recoverable	ND		0.00100	1	01/26/2024 17:05	WG2202953
Cobalt, Total Recoverable	0.0258		0.00300	1	01/26/2024 17:05	WG2202953
Chromium, Total Recoverable	0.0400		0.00300	1	01/26/2024 17:05	WG2202953
Copper, Total Recoverable	0.00932		0.00400	1	01/26/2024 17:05	WG2202953
Nickel, Total Recoverable	0.177		0.00400	1	01/26/2024 17:05	WG2202953
Antimony, Total Recoverable	0.00293		0.00200	1	01/26/2024 17:05	WG2202953
Thallium, Total Recoverable	ND		0.00100	1	01/26/2024 17:05	WG2202953
Vanadium, Total Recoverable	0.0374		0.00300	1	01/26/2024 17:05	WG2202953
Zinc, Total Recoverable	0.115		0.00500	1	01/26/2024 17:05	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.20	10	01/08/2024 19:16	WG2203065
1,1,1-Trichloroethane	ND		1.00	10	01/08/2024 19:16	WG2203065
1,1,2,2-Tetrachloroethane	ND		1.30	10	01/08/2024 19:16	WG2203065
1,1,2-Trichloroethane	ND		1.86	10	01/08/2024 19:16	WG2203065
1,1-Dichloroethane	ND		1.14	10	01/08/2024 19:16	WG2203065
1,1-Dichloroethene	ND		1.88	10	01/08/2024 19:16	WG2203065
1,1-Dichloropropene	ND		1.28	10	01/08/2024 19:16	WG2203065
1,2,3-Trichloropropane	ND		2.47	10	01/08/2024 19:16	WG2203065
1,2-Dibromo-3-Chloropropane	ND		3.25	10	01/08/2024 19:16	WG2203065
1,2-Dibromoethane	ND		1.93	10	01/08/2024 19:16	WG2203065
1,2-Dichlorobenzene	ND		1.01	10	01/08/2024 19:16	WG2203065
1,2-Dichloroethane	ND		1.08	10	01/08/2024 19:16	WG2203065
1,2-Dichloropropane	ND		1.90	10	01/08/2024 19:16	WG2203065
1,3-Dichlorobenzene	ND		1.30	10	01/08/2024 19:16	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.47	10	01/08/2024 19:16	WG2203065
1,4-Dichlorobenzene	ND		1.21	10	01/08/2024 19:16	WG2203065
2,2-Dichloropropane	ND		5.00	10	01/08/2024 19:16	WG2203065
2-Butanone (MEK)	ND		12.8	10	01/08/2024 19:16	WG2203065
2-Hexanone	ND		7.57	10	01/08/2024 19:16	WG2203065
4-Methyl-2-pentanone (MIBK)	ND		8.23	10	01/08/2024 19:16	WG2203065
Acetone	21.8	J	11.3	10	01/08/2024 19:16	WG2203065
Acetonitrile	ND		150	10	01/08/2024 19:16	WG2203065
Acrolein	ND		88.7	10	01/08/2024 19:16	WG2203065
Acrylonitrile	ND		20.0	10	01/08/2024 19:16	WG2203065
Allyl chloride	ND		17.0	10	01/08/2024 19:16	WG2203065
Benzene	1.29	J	1.00	10	01/08/2024 19:16	WG2203065
Bromochloromethane	ND		1.45	10	01/08/2024 19:16	WG2203065
Bromodichloromethane	ND		1.00	10	01/08/2024 19:16	WG2203065
Bromoform	ND		1.86	10	01/08/2024 19:16	WG2203065
Bromomethane	ND	J4	1.57	10	01/08/2024 19:16	WG2203065
Carbon disulfide	ND		1.01	10	01/08/2024 19:16	WG2203065
Carbon tetrachloride	ND		1.59	10	01/08/2024 19:16	WG2203065
Chlorobenzene	ND		1.40	10	01/08/2024 19:16	WG2203065
Chloroethane	ND		1.41	10	01/08/2024 19:16	WG2203065
Chloroform	ND		1.00	10	01/08/2024 19:16	WG2203065
Chloromethane	ND		1.53	10	01/08/2024 19:16	WG2203065
Chloroprene	ND		17.0	10	01/08/2024 19:16	WG2203065
Dibromochloromethane	ND		1.28	10	01/08/2024 19:16	WG2203065
Dibromomethane	ND		1.17	10	01/08/2024 19:16	WG2203065
Dichlorodifluoromethane	ND		2.00	10	01/08/2024 19:16	WG2203065
Ethyl methacrylate	ND		14.0	10	01/08/2024 19:16	WG2203065
Ethylbenzene	ND		1.58	10	01/08/2024 19:16	WG2203065
Iodomethane	ND	J4	3.77	10	01/08/2024 19:16	WG2203065
Isobutanol	ND		390	10	01/08/2024 19:16	WG2203065
Methacrylonitrile	ND		130	10	01/08/2024 19:16	WG2203065
Methyl methacrylate	ND		12.0	10	01/08/2024 19:16	WG2203065
Methylene Chloride	ND		10.7	10	01/08/2024 19:16	WG2203065
Propionitrile	ND		130	10	01/08/2024 19:16	WG2203065
Styrene	ND		1.17	10	01/08/2024 19:16	WG2203065
Tetrachloroethene	ND		1.99	10	01/08/2024 19:16	WG2203065
Toluene	ND		4.12	10	01/08/2024 19:16	WG2203065
Trichloroethene	ND		1.53	10	01/08/2024 19:16	WG2203065
Trichlorofluoromethane	ND		1.30	10	01/08/2024 19:16	WG2203065
Vinyl acetate	ND	J3	6.45	10	01/08/2024 19:16	WG2203065
Vinyl chloride	ND		1.18	10	01/08/2024 19:16	WG2203065
Xylenes, Total	ND		3.16	10	01/08/2024 19:16	WG2203065
cis-1,2-Dichloroethene	ND		1.00	10	01/08/2024 19:16	WG2203065
cis-1,3-Dichloropropene	ND		1.00	10	01/08/2024 19:16	WG2203065
trans-1,2-Dichloroethene	ND		1.52	10	01/08/2024 19:16	WG2203065
trans-1,3-Dichloropropene	ND		2.22	10	01/08/2024 19:16	WG2203065
trans-1,4-Dichloro-2-butene	ND	J3	2.57	10	01/08/2024 19:16	WG2203065
(S) Toluene-d8	106			80.0-120	01/08/2024 19:16	WG2203065
(S) 1,2-Dichloroethane-d4	117			70.0-130	01/08/2024 19:16	WG2203065
(S) 4-Bromofluorobenzene	87.6			77.0-126	01/08/2024 19:16	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-20 WG2203065: Non-target compounds too high to run at a lower dilution.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/11/2024 03:41	WG2202505
2,4,5-Tp (Silvex)	ND	J4	1.00	1	01/11/2024 03:41	WG2202505
2,4-D	ND	J4	4.00	1	01/11/2024 03:41	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	81.8			14.0-158	01/11/2024 03:41	WG2202505



Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/10/2024 23:43	WG2202480
4,4-DDE	ND		0.0500	1	01/10/2024 23:43	WG2202480
4,4-DDT	ND		0.0500	1	01/10/2024 23:43	WG2202480
Aldrin	ND		0.0500	1	01/10/2024 23:43	WG2202480
Alpha BHC	ND		0.0500	1	01/10/2024 23:43	WG2202480
Beta BHC	ND		0.500	1	01/10/2024 23:43	WG2202480
Chlordane	ND		0.500	1	01/10/2024 23:43	WG2202480
Delta BHC	ND		0.0500	1	01/10/2024 23:43	WG2202480
Dieldrin	ND		0.0500	1	01/10/2024 23:43	WG2202480
Endosulfan I	ND		0.0500	1	01/10/2024 23:43	WG2202480
Endosulfan II	ND		0.0500	1	01/10/2024 23:43	WG2202480
Endosulfan sulfate	ND		0.0500	1	01/10/2024 23:43	WG2202480
Endrin	ND		0.0500	1	01/10/2024 23:43	WG2202480
Endrin aldehyde	ND		0.0500	1	01/10/2024 23:43	WG2202480
Gamma BHC	ND		0.0500	1	01/10/2024 23:43	WG2202480
Heptachlor	ND		0.0500	1	01/10/2024 23:43	WG2202480
Heptachlor epoxide	ND		0.0500	1	01/10/2024 23:43	WG2202480
Methoxychlor	ND		0.100	1	01/10/2024 23:43	WG2202480
Toxaphene	ND		5.00	1	01/10/2024 23:43	WG2202480
(S) Decachlorobiphenyl	8.76	J2		10.0-128	01/10/2024 23:43	WG2202480
(S) Tetrachloro-m-xylene	38.7			10.0-127	01/10/2024 23:43	WG2202480

Sample Narrative:

L1693811-20 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/10/2024 23:43	WG2202480
PCB 1221	ND		1.00	1	01/10/2024 23:43	WG2202480
PCB 1232	ND		1.00	1	01/10/2024 23:43	WG2202480
PCB 1242	ND		1.00	1	01/10/2024 23:43	WG2202480
PCB 1248	ND		1.00	1	01/10/2024 23:43	WG2202480
PCB 1254	ND		1.00	1	01/10/2024 23:43	WG2202480
PCB 1260	ND		1.00	1	01/10/2024 23:43	WG2202480
(S) Decachlorobiphenyl	2.45	J2		10.0-128	01/10/2024 23:43	WG2202480
(S) Tetrachloro-m-xylene	34.5			10.0-127	01/10/2024 23:43	WG2202480

Sample Narrative:

L1693811-20 WG2202480: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 17:20	WG2202487
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 17:20	WG2202487
1,3,5-Trinitrobenzene	ND		50.0	10	01/25/2024 01:24	WG2202487
1,3-Dinitrobenzene	ND		10.0	10	01/25/2024 01:24	WG2202487
1,4-Naphthoquinone	ND	J4	55.6	10	01/25/2024 01:24	WG2202487
1-Naphthylamine	ND		10.0	10	01/25/2024 01:24	WG2202487
2,2-Oxybis(1-Chloropropane)	ND		10.0	10	01/24/2024 14:15	WG2202487
2,3,4,6-Tetrachlorophenol	ND	J3	50.0	1	01/19/2024 17:20	WG2202487
2,4,5-Trichlorophenol	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
2,4,6-Trichlorophenol	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 17:20	WG2202487
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 17:20	WG2202487
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 17:20	WG2202487
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 17:20	WG2202487
2,6-Dichlorophenol	ND		27.7	10	01/25/2024 01:24	WG2202487
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 17:20	WG2202487
2-Acetylaminofluorene	ND		100	10	01/25/2024 01:24	WG2202487
2-Chloronaphthalene	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
2-Chlorophenol	ND		10.0	10	01/24/2024 14:15	WG2202487
2-Methylnaphthalene	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
2-Methylphenol	ND		10.0	10	01/24/2024 14:15	WG2202487
2-Naphthylamine	ND		10.0	10	01/25/2024 01:24	WG2202487
2-Nitroaniline	ND		50.0	1	01/19/2024 17:20	WG2202487
2-Nitrophenol	ND		10.0	1	01/19/2024 17:20	WG2202487
3&4-Methyl Phenol	ND		10.0	10	01/24/2024 14:15	WG2202487
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 17:20	WG2202487
3,3-Dimethylbenzidine	ND		33.9	10	01/25/2024 01:24	WG2202487
3-Methylcholanthrene	ND		20.0	10	01/25/2024 01:24	WG2202487
3-Nitroaniline	ND		50.0	1	01/19/2024 17:20	WG2202487
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 17:20	WG2202487
4-Aminobiphenyl	ND		10.0	10	01/25/2024 01:24	WG2202487
4-Bromophenyl-phenylether	ND	J3	50.0	1	01/19/2024 17:20	WG2202487
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 17:20	WG2202487
4-Chloroaniline	ND		10.0	1	01/19/2024 17:20	WG2202487
4-Chlorophenyl-phenylether	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
4-Nitroaniline	ND		50.0	1	01/19/2024 17:20	WG2202487
4-Nitrophenol	ND	J4	50.0	1	01/19/2024 17:20	WG2202487
5-Nitro-o-toluidine	ND		20.0	10	01/25/2024 01:24	WG2202487
Acenaphthene	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Acenaphthylene	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Acetophenone	ND		27.1	10	01/24/2024 14:15	WG2202487
Anthracene	ND		10.0	1	01/19/2024 17:20	WG2202487
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 17:20	WG2202487
Benzo(a)pyrene	ND		10.0	1	01/19/2024 17:20	WG2202487
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 17:20	WG2202487
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 17:20	WG2202487
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 17:20	WG2202487
Benzyl Alcohol	ND		10.0	10	01/24/2024 14:15	WG2202487
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 17:20	WG2202487
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 17:20	WG2202487
Bis(2-chloroethoxy)methane	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Bis(2-chloroethyl)ether	ND		16.2	10	01/24/2024 14:15	WG2202487
Chlorobenzilate	ND		13.3	10	01/25/2024 01:24	WG2202487
Chrysene	ND		10.0	1	01/19/2024 17:20	WG2202487
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 17:20	WG2202487
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 17:20	WG2202487

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diallate	ND		20.0	10	01/25/2024 01:24	WG2202487
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 17:20	WG2202487
Dibenzofuran	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Diethyl phthalate	ND		10.0	1	01/19/2024 17:20	WG2202487
Dimethoate	ND		20.0	10	01/25/2024 01:24	WG2202487
Dimethyl phthalate	ND		10.0	1	01/19/2024 17:20	WG2202487
Dimethylbenz (A) Anthracene	ND		20.0	10	01/25/2024 01:24	WG2202487
Dinoseb	ND		179	10	01/25/2024 01:24	WG2202487
Diphenylamine	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Disulfoton	ND		50.0	10	01/25/2024 01:24	WG2202487
Ethyl methanesulfonate	ND		10.0	10	01/25/2024 01:24	WG2202487
Ethyl parathion	ND		50.0	10	01/25/2024 01:24	WG2202487
Famphur	ND		200	10	01/25/2024 01:24	WG2202487
Fluoranthene	ND		1.00	1	01/19/2024 17:20	WG2202487
Fluorene	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 17:20	WG2202487
Hexachlorobenzene	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
Hexachlorocyclopentadiene	ND	J3 J4	50.0	1	01/19/2024 17:20	WG2202487
Hexachloroethane	ND		10.0	10	01/24/2024 14:15	WG2202487
Hexachloropropene	ND		100	10	01/25/2024 01:24	WG2202487
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 17:20	WG2202487
Isodrin	ND		10.0	10	01/25/2024 01:24	WG2202487
Isophorone	ND		10.0	1	01/19/2024 17:20	WG2202487
Isosafrole	ND		20.0	10	01/25/2024 01:24	WG2202487
Kepone	ND		18.8	10	01/25/2024 01:24	WG2202487
Methapyrilene	ND		50.0	10	01/25/2024 01:24	WG2202487
Methyl methanesulfonate	ND		50.0	10	01/25/2024 01:24	WG2202487
Methyl parathion	ND		10.0	10	01/25/2024 01:24	WG2202487
Naphthalene	ND		10.0	1	01/19/2024 17:20	WG2202487
Nitrobenzene	ND		10.0	1	01/19/2024 17:20	WG2202487
O,O,O-Triethyl Phosphorothioate	ND		50.0	10	01/25/2024 01:24	WG2202487
P-(Dimethylamino) Azobenzene	ND		20.0	10	01/25/2024 01:24	WG2202487
Pentachlorobenzene	ND		10.0	10	01/25/2024 01:24	WG2202487
Pentachloronitrobenzene	ND		50.0	10	01/25/2024 01:24	WG2202487
Pentachlorophenol	ND	J3	50.0	1	01/19/2024 17:20	WG2202487
Phenacetin	ND		10.0	10	01/25/2024 01:24	WG2202487
Phenanthrene	ND		20.0	1	01/19/2024 17:20	WG2202487
Phenol	ND		10.0	10	01/24/2024 14:15	WG2202487
Phorate	ND		50.0	10	01/25/2024 01:24	WG2202487
Pronamide	ND		20.0	10	01/25/2024 01:24	WG2202487
Pyrene	ND		10.0	1	01/19/2024 17:20	WG2202487
Safrole	ND		50.0	10	01/25/2024 01:24	WG2202487
Thionazin	ND		10.0	10	01/25/2024 01:24	WG2202487
n-Nitrosodi-n-butylamine	ND		10.0	10	01/25/2024 01:24	WG2202487
n-Nitrosodi-n-propylamine	ND		10.0	10	01/24/2024 14:15	WG2202487
n-Nitrosodiethylamine	ND		10.0	10	01/25/2024 01:24	WG2202487
n-Nitrosodimethylamine	ND		12.6	10	01/24/2024 14:15	WG2202487
n-Nitrosodiphenylamine	ND	J3	10.0	1	01/19/2024 17:20	WG2202487
n-Nitrosomethylethylamine	ND		17.1	10	01/25/2024 01:24	WG2202487
n-Nitrosopiperidine	ND		10.0	10	01/25/2024 01:24	WG2202487
n-Nitrosopyrrolidine	ND		25.5	10	01/25/2024 01:24	WG2202487
o-Toluidine	ND		10.0	10	01/25/2024 01:24	WG2202487
p-Phenylenediamine	ND	J4	3870	10	01/25/2024 01:24	WG2202487
(S) 2-Fluorophenol	22.5			10.0-120	01/19/2024 17:20	WG2202487
(S) 2-Fluorophenol	13.5			10.0-120	01/24/2024 14:15	WG2202487
(S) 2,4,6-Tribromophenol	47.5			10.0-155	01/24/2024 14:15	WG2202487

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	80.8			10.0-155	01/19/2024 17:20	WG2202487
(S) p-Terphenyl-d14	27.9			10.0-128	01/19/2024 17:20	WG2202487
(S) p-Terphenyl-d14	26.4			10.0-128	01/24/2024 14:15	WG2202487
(S) Phenol-d5	13.5			10.0-120	01/24/2024 14:15	WG2202487
(S) Phenol-d5	21.5			10.0-120	01/19/2024 17:20	WG2202487
(S) 2-Fluorobiphenyl	42.5			10.0-130	01/19/2024 17:20	WG2202487
(S) 2-Fluorobiphenyl	43.4			10.0-130	01/24/2024 14:15	WG2202487
(S) Nitrobenzene-d5	35.8			10.0-127	01/19/2024 17:20	WG2202487
(S) Nitrobenzene-d5	51.6			10.0-127	01/24/2024 14:15	WG2202487

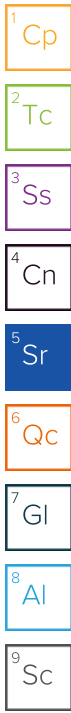
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Sample Narrative:

L1693811-20 WG2202487: IS/SURR failed on lower dilution.

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

Analyte	Result	Units
pH (On Site)	7.33	su
Specific Conductance (on site)	18197	umhos/cm
Temperature (on-site)	26.7	Deg. C
Turbidity (on-site)	42.46	NTU
Dissolved Oxygen (on-site)	5.01	mg/l
eH/ORP (On Site)	6.4	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	3820		56.4	1	01/08/2024 09:21	WG2202557

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	7110		10.0	1	01/09/2024 14:06	WG2203134
Alkalinity,Bicarbonate	7110		10.0	1	01/09/2024 14:06	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 14:06	WG2203134

Sample Narrative:

L1693811-21 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	1430		6.34	200	01/09/2024 17:06	WG2203372

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:49	WG2202378

Sample Narrative:

L1693811-21 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	5	01/08/2024 08:45	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/08/2024 23:08	WG2203138

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	1700		3.00	10	01/08/2024 22:10	WG2202848
Sulfate	190		5.00	10	01/08/2024 22:10	WG2202848

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	640		5.10	50	01/08/2024 03:31	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 19:12	WG2202341

Metals (ICP) by Method 6010B

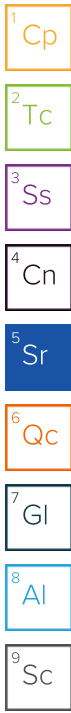
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 18:32	WG2202942
Barium, Total Recoverable	0.890		0.0153	9	01/09/2024 18:32	WG2202942
Calcium, Total Recoverable	113		0.417	9	01/09/2024 18:32	WG2202942
Iron, Total Recoverable	12.2		0.127	9	01/09/2024 18:32	WG2202942
Potassium, Total Recoverable	635		3.00	9	01/09/2024 18:32	WG2202942
Magnesium, Total Recoverable	68.1		0.200	9	01/09/2024 18:32	WG2202942
Manganese, Total Recoverable	0.776		0.0108	9	01/09/2024 18:32	WG2202942
Sodium, Total Recoverable	2120		5.00	9	01/09/2024 18:32	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 18:32	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 18:32	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 18:32	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.126		0.00500	9	01/26/2024 17:24	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 17:24	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 17:24	WG2202953
Cobalt, Total Recoverable	0.128		0.00300	9	01/26/2024 17:24	WG2202953
Chromium, Total Recoverable	0.299		0.00486	9	01/26/2024 17:24	WG2202953
Copper, Total Recoverable	0.0170	J	0.00468	9	01/26/2024 17:24	WG2202953
Nickel, Total Recoverable	0.525		0.00400	9	01/26/2024 17:24	WG2202953
Antimony, Total Recoverable	0.00895	J	0.00679	9	01/26/2024 17:24	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 17:24	WG2202953
Vanadium, Total Recoverable	0.218		0.00300	9	01/26/2024 17:24	WG2202953
Zinc, Total Recoverable	0.213	J	0.0230	9	01/26/2024 17:24	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,1,1-Trichloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,1,2,2-Tetrachloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,1,2-Trichloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,1-Dichloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,1-Dichloroethene	ND		1.00	5	01/08/2024 19:36	WG2203065
1,1-Dichloropropene	ND		1.00	5	01/08/2024 19:36	WG2203065
1,2,3-Trichloropropane	ND		1.23	5	01/08/2024 19:36	WG2203065
1,2-Dibromo-3-Chloropropane	ND		2.00	5	01/08/2024 19:36	WG2203065
1,2-Dibromoethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,2-Dichlorobenzene	ND		1.00	5	01/08/2024 19:36	WG2203065
1,2-Dichloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,2-Dichloropropane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,3-Dichlorobenzene	ND		1.00	5	01/08/2024 19:36	WG2203065



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	5	01/08/2024 19:36	WG2203065
1,4-Dichlorobenzene	ND		1.00	5	01/08/2024 19:36	WG2203065
2,2-Dichloropropane	ND		5.00	5	01/08/2024 19:36	WG2203065
2-Butanone (MEK)	ND		6.40	5	01/08/2024 19:36	WG2203065
2-Hexanone	ND		5.00	5	01/08/2024 19:36	WG2203065
4-Methyl-2-pentanone (MIBK)	ND		5.00	5	01/08/2024 19:36	WG2203065
Acetone	22.6	J	11.3	5	01/08/2024 19:36	WG2203065
Acetonitrile	ND		75.0	5	01/08/2024 19:36	WG2203065
Acrolein	ND		44.4	5	01/08/2024 19:36	WG2203065
Acrylonitrile	ND		20.0	5	01/08/2024 19:36	WG2203065
Allyl chloride	ND		10.0	5	01/08/2024 19:36	WG2203065
Benzene	ND		1.00	5	01/08/2024 19:36	WG2203065
Bromochloromethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Bromodichloromethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Bromoform	ND		1.00	5	01/08/2024 19:36	WG2203065
Bromomethane	ND	J4	1.00	5	01/08/2024 19:36	WG2203065
Carbon disulfide	ND		1.00	5	01/08/2024 19:36	WG2203065
Carbon tetrachloride	ND		1.00	5	01/08/2024 19:36	WG2203065
Chlorobenzene	ND		1.00	5	01/08/2024 19:36	WG2203065
Chloroethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Chloroform	ND		1.00	5	01/08/2024 19:36	WG2203065
Chloromethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Chloroprene	ND		8.50	5	01/08/2024 19:36	WG2203065
Dibromochloromethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Dibromomethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Dichlorodifluoromethane	ND		2.00	5	01/08/2024 19:36	WG2203065
Ethyl methacrylate	ND		7.00	5	01/08/2024 19:36	WG2203065
Ethylbenzene	ND		1.00	5	01/08/2024 19:36	WG2203065
Iodomethane	ND	J4	1.89	5	01/08/2024 19:36	WG2203065
Isobutanol	ND		195	5	01/08/2024 19:36	WG2203065
Methacrylonitrile	ND		65.0	5	01/08/2024 19:36	WG2203065
Methyl methacrylate	ND		6.00	5	01/08/2024 19:36	WG2203065
Methylene Chloride	ND		5.35	5	01/08/2024 19:36	WG2203065
Propionitrile	ND		65.0	5	01/08/2024 19:36	WG2203065
Styrene	ND		1.00	5	01/08/2024 19:36	WG2203065
Tetrachloroethene	ND		1.00	5	01/08/2024 19:36	WG2203065
Toluene	ND		2.06	5	01/08/2024 19:36	WG2203065
Trichloroethene	ND		1.00	5	01/08/2024 19:36	WG2203065
Trichlorofluoromethane	ND		1.00	5	01/08/2024 19:36	WG2203065
Vinyl acetate	ND	J3	5.00	5	01/08/2024 19:36	WG2203065
Vinyl chloride	ND		1.00	5	01/08/2024 19:36	WG2203065
Xylenes, Total	ND		1.58	5	01/08/2024 19:36	WG2203065
cis-1,2-Dichloroethene	ND		1.00	5	01/08/2024 19:36	WG2203065
cis-1,3-Dichloropropene	ND		1.00	5	01/08/2024 19:36	WG2203065
trans-1,2-Dichloroethene	ND		1.00	5	01/08/2024 19:36	WG2203065
trans-1,3-Dichloropropene	ND		1.11	5	01/08/2024 19:36	WG2203065
trans-1,4-Dichloro-2-butene	ND	J3	1.29	5	01/08/2024 19:36	WG2203065
(S) Toluene-d8	109			80.0-120	01/08/2024 19:36	WG2203065
(S) 1,2-Dichloroethane-d4	117			70.0-130	01/08/2024 19:36	WG2203065
(S) 4-Bromofluorobenzene	98.7			77.0-126	01/08/2024 19:36	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-21 WG2203065: Non-target compounds too high to run at a lower dilution.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	16.9	20	01/17/2024 09:11	WG2202505
2,4,5-Tp (Silvex)	ND	J4	16.9	20	01/17/2024 09:11	WG2202505
2,4-D	ND	J4	14.9	20	01/17/2024 20:57	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	0.000	J7		14.0-158	01/17/2024 20:57	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	0.000	J7		14.0-158	01/17/2024 09:11	WG2202505



Sample Narrative:

L1693811-21 WG2202505: Dilution due to matrix impact on instrumentation at lower dilution

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/13/2024 14:06	WG2205702
4,4-DDE	ND		0.0500	1	01/13/2024 14:06	WG2205702
4,4-DDT	ND		0.0500	1	01/13/2024 14:06	WG2205702
Aldrin	ND		0.0500	1	01/13/2024 14:06	WG2205702
Alpha BHC	ND		0.0500	1	01/13/2024 14:06	WG2205702
Beta BHC	ND		0.500	1	01/13/2024 14:06	WG2205702
Chlordane	ND		0.500	1	01/13/2024 14:06	WG2205702
Delta BHC	ND		0.0500	1	01/13/2024 14:06	WG2205702
Dieldrin	ND		0.0500	1	01/13/2024 14:06	WG2205702
Endosulfan I	ND		0.0500	1	01/13/2024 14:06	WG2205702
Endosulfan II	ND		0.0500	1	01/13/2024 14:06	WG2205702
Endosulfan sulfate	ND		0.0500	1	01/13/2024 14:06	WG2205702
Endrin	ND		0.0500	1	01/13/2024 14:06	WG2205702
Endrin aldehyde	ND		0.0500	1	01/13/2024 14:06	WG2205702
Gamma BHC	ND		0.0500	1	01/13/2024 14:06	WG2205702
Heptachlor	ND		0.0500	1	01/13/2024 14:06	WG2205702
Heptachlor epoxide	ND		0.0500	1	01/13/2024 14:06	WG2205702
Methoxychlor	ND		0.100	1	01/13/2024 14:06	WG2205702
Toxaphene	ND		5.00	1	01/13/2024 14:06	WG2205702
(S) Decachlorobiphenyl	4.91	J2		10.0-128	01/13/2024 14:06	WG2205702
(S) Tetrachloro-m-xylene	20.2			10.0-127	01/13/2024 14:06	WG2205702



Sample Narrative:

L1693811-21 WG2205702: Duplicate Analysis performed due to surrogate failure. Reporting most compliant data.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 01:56	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 01:56	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 01:56	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 01:56	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 01:56	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 01:56	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 01:56	WG2203305
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/11/2024 01:56	WG2203305
(S) Tetrachloro-m-xylene	16.7			10.0-127	01/11/2024 01:56	WG2203305

Sample Narrative:

L1693811-21 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/14/2024 18:44	WG2204132
1,2,4-Trichlorobenzene	ND		10.0	5	01/14/2024 18:44	WG2204132
1,3,5-Trinitrobenzene	ND		50.0	5	01/17/2024 18:58	WG2204132
1,3-Dinitrobenzene	ND		10.0	5	01/17/2024 18:58	WG2204132
1,4-Naphthoquinone	ND	J4	50.0	5	01/17/2024 18:58	WG2204132
1-Naphthylamine	ND		10.0	5	01/17/2024 18:58	WG2204132
2,2-Oxybis(1-Chloropropane)	ND		10.0	5	01/14/2024 18:44	WG2204132
2,3,4,6-Tetrachlorophenol	ND		50.0	5	01/14/2024 18:44	WG2204132
2,4,5-Trichlorophenol	ND		10.0	5	01/14/2024 18:44	WG2204132
2,4,6-Trichlorophenol	ND		10.0	5	01/14/2024 18:44	WG2204132
2,4-Dichlorophenol	ND		10.0	5	01/14/2024 18:44	WG2204132
2,4-Dimethylphenol	ND		10.0	5	01/14/2024 18:44	WG2204132
2,4-Dinitrophenol	ND		50.0	5	01/14/2024 18:44	WG2204132
2,4-Dinitrotoluene	ND		10.0	5	01/14/2024 18:44	WG2204132
2,6-Dichlorophenol	ND		13.8	5	01/17/2024 18:58	WG2204132
2,6-Dinitrotoluene	ND		10.0	5	01/14/2024 18:44	WG2204132
2-Acetylaminofluorene	ND		100	5	01/17/2024 18:58	WG2204132
2-Chloronaphthalene	ND		10.0	5	01/14/2024 18:44	WG2204132
2-Chlorophenol	ND		10.0	5	01/14/2024 18:44	WG2204132
2-Methylnaphthalene	ND		10.0	5	01/14/2024 18:44	WG2204132
2-Methylphenol	ND		10.0	5	01/14/2024 18:44	WG2204132
2-Naphthylamine	ND		10.0	5	01/17/2024 18:58	WG2204132
2-Nitroaniline	ND		50.0	5	01/14/2024 18:44	WG2204132
2-Nitrophenol	ND		10.0	5	01/14/2024 18:44	WG2204132
3&4-Methyl Phenol	ND		10.0	5	01/14/2024 18:44	WG2204132
3,3-Dichlorobenzidine	ND		50.0	5	01/14/2024 18:44	WG2204132
3,3-Dimethylbenzidine	ND		20.0	5	01/17/2024 18:58	WG2204132
3-Methylcholanthrene	ND		20.0	5	01/17/2024 18:58	WG2204132
3-Nitroaniline	ND		50.0	5	01/14/2024 18:44	WG2204132
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/14/2024 18:44	WG2204132
4-Aminobiphenyl	ND		10.0	5	01/17/2024 18:58	WG2204132
4-Bromophenyl-phenylether	ND		50.0	5	01/14/2024 18:44	WG2204132
4-Chloro-3-methylphenol	ND		10.0	5	01/14/2024 18:44	WG2204132
4-Chloroaniline	ND		10.0	5	01/14/2024 18:44	WG2204132
4-Chlorophenyl-phenylether	ND		10.0	5	01/14/2024 18:44	WG2204132
4-Nitroaniline	ND		50.0	5	01/14/2024 18:44	WG2204132
4-Nitrophenol	ND		50.0	5	01/14/2024 18:44	WG2204132
5-Nitro-o-toluidine	ND		20.0	5	01/17/2024 18:58	WG2204132
Acenaphthene	ND		10.0	5	01/14/2024 18:44	WG2204132
Acenaphthylene	ND		10.0	5	01/14/2024 18:44	WG2204132
Acetophenone	ND		13.6	5	01/14/2024 18:44	WG2204132
Anthracene	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzo(A)Anthracene	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzo(a)pyrene	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzo(b)fluoranthene	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzo(g,h,i)perylene	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzo(k)fluoranthene	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzyl Alcohol	ND		10.0	5	01/14/2024 18:44	WG2204132
Benzylbutyl phthalate	ND		10.0	5	01/14/2024 18:44	WG2204132
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/14/2024 18:44	WG2204132
Bis(2-chlorethoxy)methane	ND		10.0	5	01/14/2024 18:44	WG2204132
Bis(2-chloroethyl)ether	ND		10.0	5	01/14/2024 18:44	WG2204132
Chlorobenzilate	ND		10.0	5	01/17/2024 18:58	WG2204132
Chrysene	ND		10.0	5	01/14/2024 18:44	WG2204132
Di-n-butyl phthalate	ND		10.0	5	01/14/2024 18:44	WG2204132
Di-n-octyl phthalate	ND		10.0	5	01/14/2024 18:44	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	5	01/17/2024 18:58	WG2204132
Dibenz(a,h)anthracene	ND		20.0	5	01/14/2024 18:44	WG2204132
Dibenzofuran	ND		10.0	5	01/14/2024 18:44	WG2204132
Diethyl phthalate	ND		10.0	5	01/14/2024 18:44	WG2204132
Dimethoate	ND		20.0	5	01/17/2024 18:58	WG2204132
Dimethyl phthalate	ND		10.0	5	01/14/2024 18:44	WG2204132
Dimethylbenz (A) Anthracene	ND		20.0	5	01/17/2024 18:58	WG2204132
Dinoseb	ND		89.5	5	01/17/2024 18:58	WG2204132
Diphenylamine	ND		10.0	5	01/14/2024 18:44	WG2204132
Disulfoton	ND		50.0	5	01/17/2024 18:58	WG2204132
Ethyl methanesulfonate	ND		10.0	5	01/17/2024 18:58	WG2204132
Ethyl parathion	ND		50.0	5	01/17/2024 18:58	WG2204132
Famphur	ND		200	5	01/17/2024 18:58	WG2204132
Fluoranthene	ND		1.55	5	01/14/2024 18:44	WG2204132
Fluorene	ND		10.0	5	01/14/2024 18:44	WG2204132
Hexachloro-1,3-butadiene	ND		10.0	5	01/14/2024 18:44	WG2204132
Hexachlorobenzene	ND		10.0	5	01/14/2024 18:44	WG2204132
Hexachlorocyclopentadiene	ND		50.0	5	01/14/2024 18:44	WG2204132
Hexachloroethane	ND		10.0	5	01/14/2024 18:44	WG2204132
Hexachloropropene	ND		100	5	01/17/2024 18:58	WG2204132
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/14/2024 18:44	WG2204132
Isodrin	ND		10.0	5	01/17/2024 18:58	WG2204132
Isophorone	ND		10.0	5	01/14/2024 18:44	WG2204132
Isosafrole	ND		20.0	5	01/17/2024 18:58	WG2204132
Kepone	ND		9.40	5	01/17/2024 18:58	WG2204132
Methapyrilene	ND		50.0	5	01/17/2024 18:58	WG2204132
Methyl methanesulfonate	ND		50.0	5	01/17/2024 18:58	WG2204132
Methyl parathion	ND		10.0	5	01/17/2024 18:58	WG2204132
Naphthalene	ND		10.0	5	01/14/2024 18:44	WG2204132
Nitrobenzene	ND		10.0	5	01/14/2024 18:44	WG2204132
O,O,O-Triethyl Phosphorothioate	ND		50.0	5	01/17/2024 18:58	WG2204132
P-(Dimethylamino) Azobenzene	ND		20.0	5	01/17/2024 18:58	WG2204132
Pentachlorobenzene	ND		10.0	5	01/17/2024 18:58	WG2204132
Pentachloronitrobenzene	ND		50.0	5	01/17/2024 18:58	WG2204132
Pentachlorophenol	ND		50.0	5	01/14/2024 18:44	WG2204132
Phenacetin	ND		10.0	5	01/17/2024 18:58	WG2204132
Phenanthrene	ND		20.0	5	01/14/2024 18:44	WG2204132
Phenol	ND		10.0	5	01/14/2024 18:44	WG2204132
Phorate	ND		50.0	5	01/17/2024 18:58	WG2204132
Pronamide	ND		20.0	5	01/17/2024 18:58	WG2204132
Pyrene	ND		10.0	5	01/14/2024 18:44	WG2204132
Safrole	ND		50.0	5	01/17/2024 18:58	WG2204132
Thionazin	ND		10.0	5	01/17/2024 18:58	WG2204132
n-Nitrosodi-n-butylamine	ND		10.0	5	01/17/2024 18:58	WG2204132
n-Nitrosodi-n-propylamine	ND		10.0	5	01/14/2024 18:44	WG2204132
n-Nitrosodiethylamine	ND		10.0	5	01/17/2024 18:58	WG2204132
n-Nitrosodimethylamine	ND		10.0	5	01/14/2024 18:44	WG2204132
n-Nitrosodiphenylamine	ND		10.0	5	01/14/2024 18:44	WG2204132
n-Nitrosomethylethylamine	ND		10.0	5	01/17/2024 18:58	WG2204132
n-Nitrosopiperidine	ND		10.0	5	01/17/2024 18:58	WG2204132
n-Nitrosopyrrolidine	ND		12.8	5	01/17/2024 18:58	WG2204132
o-Toluidine	11.0	J	10.0	5	01/17/2024 18:58	WG2204132
p-Phenylenediamine	ND	J4	1940	5	01/17/2024 18:58	WG2204132
(S) 2-Fluorophenol	33.7			10.0-120	01/14/2024 18:44	WG2204132
(S) 2,4,6-Tribromophenol	51.2			10.0-155	01/14/2024 18:44	WG2204132
(S) p-Terphenyl-d14	12.3			10.0-128	01/14/2024 18:44	WG2204132

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	31.6			10.0-120	01/14/2024 18:44	WG2204132
(S) 2-Fluorobiphenyl	35.9			10.0-130	01/14/2024 18:44	WG2204132
(S) Nitrobenzene-d5	44.9			10.0-127	01/14/2024 18:44	WG2204132

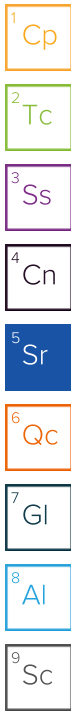
Sample Narrative:

L1693811-21 WG2204132: Dilution due to matrix.

- 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)	7.31	su
Specific Conductance (on site)	26759	umhos/cm
Temperature (on-site)	30.1	Deg. C
Turbidity (on-site)	40.24	NTU
Dissolved Oxygen (on-site)	2.19	mg/l
eH/ORP (On Site)	-203.4	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	1950		28.2	1	01/08/2024 09:21	WG2202557

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	2810		10.0	1	01/09/2024 14:23	WG2203134
Alkalinity,Bicarbonate	2810		10.0	1	01/09/2024 14:23	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 14:23	WG2203134

Sample Narrative:

L1693811-22 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	353		3.17	100	01/09/2024 17:27	WG2203372

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	5	01/08/2024 20:52	WG2202378

Sample Narrative:

L1693811-22 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND	J6	4.00	1	01/08/2024 08:52	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 23:10	WG2203138

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	519		5.19	100	01/09/2024 12:47	WG2203460
Sulfate	71.1	J	7.74	100	01/09/2024 12:47	WG2203460

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	184		5.10	50	01/08/2024 03:50	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/08/2024 19:14	WG2202341

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 18:35	WG2202942
Barium, Total Recoverable	8.84		0.0153	9	01/09/2024 18:35	WG2202942
Calcium, Total Recoverable	446		0.417	9	01/09/2024 18:35	WG2202942
Iron, Total Recoverable	112		0.127	9	01/09/2024 18:35	WG2202942
Potassium, Total Recoverable	1150		3.00	9	01/09/2024 18:35	WG2202942
Magnesium, Total Recoverable	240		0.200	9	01/09/2024 18:35	WG2202942
Manganese, Total Recoverable	6.18		0.0108	9	01/09/2024 18:35	WG2202942
Sodium, Total Recoverable	7410		5.00	9	01/09/2024 18:35	WG2202942
Lead, Total Recoverable	0.0697		0.0171	9	01/09/2024 18:35	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 18:35	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 18:35	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.0642		0.00500	1	01/26/2024 17:27	WG2202953
Beryllium, Total Recoverable	ND		0.00100	1	01/26/2024 17:27	WG2202953
Cadmium, Total Recoverable	ND		0.00100	1	01/26/2024 17:27	WG2202953
Cobalt, Total Recoverable	0.0186		0.00300	1	01/26/2024 17:27	WG2202953
Chromium, Total Recoverable	0.0377		0.00300	1	01/26/2024 17:27	WG2202953
Copper, Total Recoverable	ND		0.00400	1	01/26/2024 17:27	WG2202953
Nickel, Total Recoverable	0.0798		0.00400	1	01/26/2024 17:27	WG2202953
Antimony, Total Recoverable	ND		0.00200	1	01/26/2024 17:27	WG2202953
Thallium, Total Recoverable	ND		0.00100	1	01/26/2024 17:27	WG2202953
Vanadium, Total Recoverable	0.0240		0.00300	1	01/26/2024 17:27	WG2202953
Zinc, Total Recoverable	0.0495		0.00500	1	01/26/2024 17:27	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.20	10	01/08/2024 19:57	WG2203065
1,1,1-Trichloroethane	ND		1.00	10	01/08/2024 19:57	WG2203065
1,1,2,2-Tetrachloroethane	ND		1.30	10	01/08/2024 19:57	WG2203065
1,1,2-Trichloroethane	ND		1.86	10	01/08/2024 19:57	WG2203065
1,1-Dichloroethane	ND		1.14	10	01/08/2024 19:57	WG2203065
1,1-Dichloroethene	ND		1.88	10	01/08/2024 19:57	WG2203065
1,1-Dichloropropene	ND		1.28	10	01/08/2024 19:57	WG2203065
1,2,3-Trichloropropane	ND		2.47	10	01/08/2024 19:57	WG2203065
1,2-Dibromo-3-Chloropropane	ND		3.25	10	01/08/2024 19:57	WG2203065
1,2-Dibromoethane	ND		1.93	10	01/08/2024 19:57	WG2203065
1,2-Dichlorobenzene	ND		1.01	10	01/08/2024 19:57	WG2203065
1,2-Dichloroethane	ND		1.08	10	01/08/2024 19:57	WG2203065
1,2-Dichloropropane	ND		1.90	10	01/08/2024 19:57	WG2203065
1,3-Dichlorobenzene	ND		1.30	10	01/08/2024 19:57	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.47	10	01/08/2024 19:57	WG2203065
1,4-Dichlorobenzene	ND		1.21	10	01/08/2024 19:57	WG2203065
2,2-Dichloropropane	ND		5.00	10	01/08/2024 19:57	WG2203065
2-Butanone (MEK)	ND		12.8	10	01/08/2024 19:57	WG2203065
2-Hexanone	ND		7.57	10	01/08/2024 19:57	WG2203065
4-Methyl-2-pentanone (MIBK)	ND		8.23	10	01/08/2024 19:57	WG2203065
Acetone	16.2	J	11.3	10	01/08/2024 19:57	WG2203065
Acetonitrile	ND		150	10	01/08/2024 19:57	WG2203065
Acrolein	ND		88.7	10	01/08/2024 19:57	WG2203065
Acrylonitrile	ND		20.0	10	01/08/2024 19:57	WG2203065
Allyl chloride	ND		17.0	10	01/08/2024 19:57	WG2203065
Benzene	6.70		1.00	10	01/08/2024 19:57	WG2203065
Bromochloromethane	ND		1.45	10	01/08/2024 19:57	WG2203065
Bromodichloromethane	ND		1.00	10	01/08/2024 19:57	WG2203065
Bromoform	ND		1.86	10	01/08/2024 19:57	WG2203065
Bromomethane	ND	J4	1.57	10	01/08/2024 19:57	WG2203065
Carbon disulfide	ND		1.01	10	01/08/2024 19:57	WG2203065
Carbon tetrachloride	ND		1.59	10	01/08/2024 19:57	WG2203065
Chlorobenzene	ND		1.40	10	01/08/2024 19:57	WG2203065
Chloroethane	ND		1.41	10	01/08/2024 19:57	WG2203065
Chloroform	ND		1.00	10	01/08/2024 19:57	WG2203065
Chloromethane	ND		1.53	10	01/08/2024 19:57	WG2203065
Chloroprene	ND		17.0	10	01/08/2024 19:57	WG2203065
Dibromochloromethane	ND		1.28	10	01/08/2024 19:57	WG2203065
Dibromomethane	ND		1.17	10	01/08/2024 19:57	WG2203065
Dichlorodifluoromethane	ND		2.00	10	01/08/2024 19:57	WG2203065
Ethyl methacrylate	ND		14.0	10	01/08/2024 19:57	WG2203065
Ethylbenzene	7.69		1.58	10	01/08/2024 19:57	WG2203065
Iodomethane	ND	J4	3.77	10	01/08/2024 19:57	WG2203065
Isobutanol	ND		390	10	01/08/2024 19:57	WG2203065
Methacrylonitrile	ND		130	10	01/08/2024 19:57	WG2203065
Methyl methacrylate	ND		12.0	10	01/08/2024 19:57	WG2203065
Methylene Chloride	ND		10.7	10	01/08/2024 19:57	WG2203065
Propionitrile	ND		130	10	01/08/2024 19:57	WG2203065
Styrene	ND		1.17	10	01/08/2024 19:57	WG2203065
Tetrachloroethene	ND		1.99	10	01/08/2024 19:57	WG2203065
Toluene	ND		4.12	10	01/08/2024 19:57	WG2203065
Trichloroethene	ND		1.53	10	01/08/2024 19:57	WG2203065
Trichlorofluoromethane	ND		1.30	10	01/08/2024 19:57	WG2203065
Vinyl acetate	ND	J3	6.45	10	01/08/2024 19:57	WG2203065
Vinyl chloride	1.55	J	1.18	10	01/08/2024 19:57	WG2203065
Xylenes, Total	10.3	J	3.16	10	01/08/2024 19:57	WG2203065
cis-1,2-Dichloroethene	ND		1.00	10	01/08/2024 19:57	WG2203065
cis-1,3-Dichloropropene	ND		1.00	10	01/08/2024 19:57	WG2203065
trans-1,2-Dichloroethene	ND		1.52	10	01/08/2024 19:57	WG2203065
trans-1,3-Dichloropropene	ND		2.22	10	01/08/2024 19:57	WG2203065
trans-1,4-Dichloro-2-butene	ND	J3	2.57	10	01/08/2024 19:57	WG2203065
(S) Toluene-d8	109			80.0-120	01/08/2024 19:57	WG2203065
(S) 1,2-Dichloroethane-d4	116			70.0-130	01/08/2024 19:57	WG2203065
(S) 4-Bromofluorobenzene	88.1			77.0-126	01/08/2024 19:57	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-22 WG2203065: Non-target compounds too high to run at a lower dilution.

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	16.9	20	01/17/2024 09:22	WG2202505
2,4,5-Tp (Silvex)	ND	J4	16.9	20	01/17/2024 09:22	WG2202505
2,4-D	ND	J4	14.9	20	01/17/2024 21:08	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	65.8	J7		14.0-158	01/17/2024 09:22	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	78.6	J7		14.0-158	01/17/2024 21:08	WG2202505

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Sample Narrative:

L1693811-22 WG2202505: Dilution due to matrix impact on instrumentation at lower dilution

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/13/2024 14:16	WG2205702
4,4-DDE	ND		0.0500	1	01/13/2024 14:16	WG2205702
4,4-DDT	ND		0.0500	1	01/13/2024 14:16	WG2205702
Aldrin	ND		0.0500	1	01/13/2024 14:16	WG2205702
Alpha BHC	ND		0.0500	1	01/13/2024 14:16	WG2205702
Beta BHC	ND		0.500	1	01/13/2024 14:16	WG2205702
Chlordane	ND		0.500	1	01/13/2024 14:16	WG2205702
Delta BHC	ND		0.0500	1	01/13/2024 14:16	WG2205702
Dieldrin	ND		0.0500	1	01/13/2024 14:16	WG2205702
Endosulfan I	ND		0.0500	1	01/13/2024 14:16	WG2205702
Endosulfan II	ND		0.0500	1	01/13/2024 14:16	WG2205702
Endosulfan sulfate	ND		0.0500	1	01/13/2024 14:16	WG2205702
Endrin	ND		0.0500	1	01/13/2024 14:16	WG2205702
Endrin aldehyde	ND		0.0500	1	01/13/2024 14:16	WG2205702
Gamma BHC	ND		0.0500	1	01/13/2024 14:16	WG2205702
Heptachlor	ND		0.0500	1	01/13/2024 14:16	WG2205702
Heptachlor epoxide	ND		0.0500	1	01/13/2024 14:16	WG2205702
Methoxychlor	ND		0.100	1	01/13/2024 14:16	WG2205702
Toxaphene	ND		5.00	1	01/13/2024 14:16	WG2205702
(S) Decachlorobiphenyl	5.75	J2		10.0-128	01/13/2024 14:16	WG2205702
(S) Tetrachloro-m-xylene	19.7			10.0-127	01/13/2024 14:16	WG2205702

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-22 WG2205702: Duplicate Analysis performed due to surrogate failure. Reporting most compliant data.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 01:15	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 01:15	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 01:15	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 01:15	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 01:15	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 01:15	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 01:15	WG2203305
(S) Decachlorobiphenyl	0.979	J2		10.0-128	01/11/2024 01:15	WG2203305
(S) Tetrachloro-m-xylene	22.5			10.0-127	01/11/2024 01:15	WG2203305

Sample Narrative:

L1693811-22 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/19/2024 19:31	WG2204132
1,2,4-Trichlorobenzene	ND		10.0	1	01/19/2024 19:31	WG2204132
1,3,5-Trinitrobenzene	ND		50.0	1	01/21/2024 03:14	WG2204132
1,3-Dinitrobenzene	ND		10.0	1	01/21/2024 03:14	WG2204132
1,4-Naphthoquinone	ND	J4	50.0	1	01/21/2024 03:14	WG2204132
1-Naphthylamine	ND		10.0	1	01/21/2024 03:14	WG2204132
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/19/2024 19:31	WG2204132
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/19/2024 19:31	WG2204132
2,4,5-Trichlorophenol	ND		10.0	1	01/19/2024 19:31	WG2204132
2,4,6-Trichlorophenol	ND		10.0	1	01/19/2024 19:31	WG2204132
2,4-Dichlorophenol	ND		10.0	1	01/19/2024 19:31	WG2204132
2,4-Dimethylphenol	ND		10.0	1	01/19/2024 19:31	WG2204132
2,4-Dinitrophenol	ND		50.0	1	01/19/2024 19:31	WG2204132
2,4-Dinitrotoluene	ND		10.0	1	01/19/2024 19:31	WG2204132
2,6-Dichlorophenol	ND		10.0	1	01/21/2024 03:14	WG2204132
2,6-Dinitrotoluene	ND		10.0	1	01/19/2024 19:31	WG2204132
2-Acetylaminofluorene	ND		100	1	01/21/2024 03:14	WG2204132
2-Chloronaphthalene	ND		10.0	1	01/19/2024 19:31	WG2204132
2-Chlorophenol	ND		10.0	1	01/19/2024 19:31	WG2204132
2-Methylnaphthalene	ND		10.0	1	01/19/2024 19:31	WG2204132
2-Methylphenol	ND		10.0	1	01/19/2024 19:31	WG2204132
2-Naphthylamine	ND		10.0	1	01/21/2024 03:14	WG2204132
2-Nitroaniline	ND		50.0	1	01/19/2024 19:31	WG2204132
2-Nitrophenol	ND		10.0	1	01/19/2024 19:31	WG2204132
3&4-Methyl Phenol	ND		10.0	1	01/19/2024 19:31	WG2204132
3,3-Dichlorobenzidine	ND		50.0	1	01/19/2024 19:31	WG2204132
3,3-Dimethylbenzidine	ND		20.0	1	01/21/2024 03:14	WG2204132
3-Methylcholanthrene	ND		20.0	1	01/21/2024 03:14	WG2204132
3-Nitroaniline	ND		50.0	1	01/19/2024 19:31	WG2204132
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/19/2024 19:31	WG2204132
4-Aminobiphenyl	ND		10.0	1	01/21/2024 03:14	WG2204132
4-Bromophenyl-phenylether	ND		50.0	1	01/19/2024 19:31	WG2204132
4-Chloro-3-methylphenol	ND		10.0	1	01/19/2024 19:31	WG2204132
4-Chloroaniline	ND		10.0	1	01/19/2024 19:31	WG2204132
4-Chlorophenyl-phenylether	ND		10.0	1	01/19/2024 19:31	WG2204132
4-Nitroaniline	ND		50.0	1	01/19/2024 19:31	WG2204132
4-Nitrophenol	ND		50.0	1	01/19/2024 19:31	WG2204132
5-Nitro-o-toluidine	ND		20.0	1	01/21/2024 03:14	WG2204132
Acenaphthene	ND		10.0	1	01/19/2024 19:31	WG2204132
Acenaphthylene	ND		10.0	1	01/19/2024 19:31	WG2204132
Acetophenone	ND		10.0	1	01/19/2024 19:31	WG2204132
Anthracene	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzo(A)Anthracene	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzo(a)pyrene	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzo(b)fluoranthene	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzo(g,h,i)perylene	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzo(k)fluoranthene	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzyl Alcohol	ND		10.0	1	01/19/2024 19:31	WG2204132
Benzylbutyl phthalate	ND		10.0	1	01/19/2024 19:31	WG2204132
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/19/2024 19:31	WG2204132
Bis(2-chlorethoxy)methane	ND		10.0	1	01/19/2024 19:31	WG2204132
Bis(2-chloroethyl)ether	ND		10.0	1	01/19/2024 19:31	WG2204132
Chlorobenzilate	ND		10.0	1	01/21/2024 03:14	WG2204132
Chrysene	ND		10.0	1	01/19/2024 19:31	WG2204132
Di-n-butyl phthalate	ND		10.0	1	01/19/2024 19:31	WG2204132
Di-n-octyl phthalate	ND		10.0	1	01/19/2024 19:31	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/21/2024 03:14	WG2204132
Dibenz(a,h)anthracene	ND		20.0	1	01/19/2024 19:31	WG2204132
Dibenzofuran	ND		10.0	1	01/19/2024 19:31	WG2204132
Diethyl phthalate	ND		10.0	1	01/19/2024 19:31	WG2204132
Dimethoate	ND		20.0	1	01/21/2024 03:14	WG2204132
Dimethyl phthalate	ND		10.0	1	01/19/2024 19:31	WG2204132
Dimethylbenz (A) Anthracene	ND		20.0	1	01/21/2024 03:14	WG2204132
Dinoseb	ND		17.9	1	01/21/2024 03:14	WG2204132
Diphenylamine	ND		10.0	1	01/19/2024 19:31	WG2204132
Disulfoton	ND		50.0	1	01/21/2024 03:14	WG2204132
Ethyl methanesulfonate	ND		10.0	1	01/21/2024 03:14	WG2204132
Ethyl parathion	ND		50.0	1	01/21/2024 03:14	WG2204132
Famphur	ND		200	1	01/21/2024 03:14	WG2204132
Fluoranthene	ND		1.00	1	01/19/2024 19:31	WG2204132
Fluorene	ND		10.0	1	01/19/2024 19:31	WG2204132
Hexachloro-1,3-butadiene	ND		10.0	1	01/19/2024 19:31	WG2204132
Hexachlorobenzene	ND		10.0	1	01/19/2024 19:31	WG2204132
Hexachlorocyclopentadiene	ND		50.0	1	01/19/2024 19:31	WG2204132
Hexachloroethane	ND		10.0	1	01/19/2024 19:31	WG2204132
Hexachloropropene	ND		100	1	01/21/2024 03:14	WG2204132
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/19/2024 19:31	WG2204132
Isodrin	ND		10.0	1	01/21/2024 03:14	WG2204132
Isophorone	ND		10.0	1	01/19/2024 19:31	WG2204132
Isosafrole	ND		20.0	1	01/21/2024 03:14	WG2204132
Kepone	ND		1.88	1	01/21/2024 03:14	WG2204132
Methapyrilene	ND		50.0	1	01/21/2024 03:14	WG2204132
Methyl methanesulfonate	ND		50.0	1	01/21/2024 03:14	WG2204132
Methyl parathion	ND		10.0	1	01/21/2024 03:14	WG2204132
Naphthalene	ND		10.0	1	01/19/2024 19:31	WG2204132
Nitrobenzene	ND		10.0	1	01/19/2024 19:31	WG2204132
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/21/2024 03:14	WG2204132
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/21/2024 03:14	WG2204132
Pentachlorobenzene	ND		10.0	1	01/21/2024 03:14	WG2204132
Pentachloronitrobenzene	ND		50.0	1	01/21/2024 03:14	WG2204132
Pentachlorophenol	ND		50.0	1	01/19/2024 19:31	WG2204132
Phenacetin	ND		10.0	1	01/21/2024 03:14	WG2204132
Phenanthrene	ND		20.0	1	01/19/2024 19:31	WG2204132
Phenol	ND		10.0	1	01/19/2024 19:31	WG2204132
Phorate	ND		50.0	1	01/21/2024 03:14	WG2204132
Pronamide	ND		20.0	1	01/21/2024 03:14	WG2204132
Pyrene	ND		10.0	1	01/19/2024 19:31	WG2204132
Safrole	ND		50.0	1	01/21/2024 03:14	WG2204132
Thionazin	ND		10.0	1	01/21/2024 03:14	WG2204132
n-Nitrosodi-n-butylamine	ND		10.0	1	01/21/2024 03:14	WG2204132
n-Nitrosodi-n-propylamine	ND		10.0	1	01/19/2024 19:31	WG2204132
n-Nitrosodiethylamine	ND		10.0	1	01/21/2024 03:14	WG2204132
n-Nitrosodimethylamine	ND		10.0	1	01/19/2024 19:31	WG2204132
n-Nitrosodiphenylamine	ND		10.0	1	01/19/2024 19:31	WG2204132
n-Nitrosomethylethylamine	ND		10.0	1	01/21/2024 03:14	WG2204132
n-Nitrosopiperidine	ND		10.0	1	01/21/2024 03:14	WG2204132
n-Nitrosopyrrolidine	ND		10.0	1	01/21/2024 03:14	WG2204132
o-Toluidine	32.7		10.0	1	01/21/2024 03:14	WG2204132
p-Phenylenediamine	ND	J4	387	1	01/21/2024 03:14	WG2204132
(S) 2-Fluorophenol	36.9			10.0-120	01/19/2024 19:31	WG2204132
(S) 2,4,6-Tribromophenol	79.7			10.0-155	01/19/2024 19:31	WG2204132
(S) p-Terphenyl-d14	25.9			10.0-128	01/19/2024 19:31	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	<u>Qualifier</u>	RL ug/l	Dilution	Analysis date / time	<u>Batch</u>
(S) Phenol-d5	29.5			10.0-120	01/19/2024 19:31	WG2204132
(S) 2-Fluorobiphenyl	52.2			10.0-130	01/19/2024 19:31	WG2204132
(S) Nitrobenzene-d5	62.7			10.0-127	01/19/2024 19:31	WG2204132

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)	7.45	su
Specific Conductance (on site)	27091	umhos/cm
Temperature (on-site)	30.2	Deg. C
Turbidity (on-site)	1284.51	NTU
Dissolved Oxygen (on-site)	2.16	mg/l
eH/ORP (On Site)	-185.6	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	16000		113	1	01/08/2024 09:21	WG2202557

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	14400		10.0	1	01/09/2024 14:31	WG2203134
Alkalinity,Bicarbonate	14400		10.0	1	01/09/2024 14:31	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 14:31	WG2203134

Sample Narrative:

L1693811-23 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	2630		63.4	2000	01/09/2024 17:28	WG2203372

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.197	10	01/08/2024 20:58	WG2202378

Sample Narrative:

L1693811-23 WG2202378: Diluted due to color/leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	5	01/08/2024 08:54	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 23:11	WG2203138

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	2840		5.19	100	01/09/2024 13:25	WG2203460
Sulfate	102	J	7.74	100	01/09/2024 13:25	WG2203460

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	3760		10.2	100	01/08/2024 04:13	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 19:17	WG2202341

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 18:38	WG2202942
Barium, Total Recoverable	1.31		0.0153	9	01/09/2024 18:38	WG2202942
Calcium, Total Recoverable	75.7		0.417	9	01/09/2024 18:38	WG2202942
Iron, Total Recoverable	12.8		0.127	9	01/09/2024 18:38	WG2202942
Potassium, Total Recoverable	759		3.00	9	01/09/2024 18:38	WG2202942
Magnesium, Total Recoverable	49.9		0.200	9	01/09/2024 18:38	WG2202942
Manganese, Total Recoverable	0.783		0.0108	9	01/09/2024 18:38	WG2202942
Sodium, Total Recoverable	2560		5.00	9	01/09/2024 18:38	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 18:38	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 18:38	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 18:38	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.149		0.00500	9	01/26/2024 17:31	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 17:31	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 17:31	WG2202953
Cobalt, Total Recoverable	0.0761		0.00300	9	01/26/2024 17:31	WG2202953
Chromium, Total Recoverable	0.352		0.00486	9	01/26/2024 17:31	WG2202953
Copper, Total Recoverable	0.0379	J	0.00468	9	01/26/2024 17:31	WG2202953
Nickel, Total Recoverable	0.363		0.00400	9	01/26/2024 17:31	WG2202953
Antimony, Total Recoverable	0.00924	J	0.00679	9	01/26/2024 17:31	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 17:31	WG2202953
Vanadium, Total Recoverable	0.299		0.00300	9	01/26/2024 17:31	WG2202953
Zinc, Total Recoverable	0.310		0.0230	9	01/26/2024 17:31	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,1,1-Trichloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,1,2,2-Tetrachloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,1,2-Trichloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,1-Dichloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,1-Dichloroethene	ND		1.00	5	01/08/2024 20:18	WG2203065
1,1-Dichloropropene	ND		1.00	5	01/08/2024 20:18	WG2203065
1,2,3-Trichloropropane	ND		1.23	5	01/08/2024 20:18	WG2203065
1,2-Dibromo-3-Chloropropane	ND		2.00	5	01/08/2024 20:18	WG2203065
1,2-Dibromoethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,2-Dichlorobenzene	ND		1.00	5	01/08/2024 20:18	WG2203065
1,2-Dichloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,2-Dichloropropane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,3-Dichlorobenzene	ND		1.00	5	01/08/2024 20:18	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichloropropane	ND		1.00	5	01/08/2024 20:18	WG2203065
1,4-Dichlorobenzene	ND		1.00	5	01/08/2024 20:18	WG2203065
2,2-Dichloropropane	ND		5.00	5	01/08/2024 20:18	WG2203065
2-Butanone (MEK)	6500		128	100	01/11/2024 18:11	WG2205561
2-Hexanone	33.7		5.00	5	01/08/2024 20:18	WG2203065
4-Methyl-2-pentanone (MIBK)	128		5.00	5	01/08/2024 20:18	WG2203065
Acetone	12300		105	100	01/11/2024 18:11	WG2205561
Acetonitrile	161	J	75.0	5	01/08/2024 20:18	WG2203065
Acrolein	ND		44.4	5	01/08/2024 20:18	WG2203065
Acrylonitrile	ND		20.0	5	01/08/2024 20:18	WG2203065
Allyl chloride	ND		10.0	5	01/08/2024 20:18	WG2203065
Benzene	3.73		1.00	5	01/08/2024 20:18	WG2203065
Bromochloromethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Bromodichloromethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Bromoform	ND		1.00	5	01/08/2024 20:18	WG2203065
Bromomethane	ND	J4	1.00	5	01/08/2024 20:18	WG2203065
Carbon disulfide	3.27		1.00	5	01/08/2024 20:18	WG2203065
Carbon tetrachloride	ND		1.00	5	01/08/2024 20:18	WG2203065
Chlorobenzene	ND		1.00	5	01/08/2024 20:18	WG2203065
Chloroethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Chloroform	ND		1.00	5	01/08/2024 20:18	WG2203065
Chloromethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Chloroprene	ND		8.50	5	01/08/2024 20:18	WG2203065
Dibromochloromethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Dibromomethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Dichlorodifluoromethane	ND		2.00	5	01/08/2024 20:18	WG2203065
Ethyl methacrylate	ND		7.00	5	01/08/2024 20:18	WG2203065
Ethylbenzene	10.6		1.00	5	01/08/2024 20:18	WG2203065
Iodomethane	ND	J4	1.89	5	01/08/2024 20:18	WG2203065
Isobutanol	ND		195	5	01/08/2024 20:18	WG2203065
Methacrylonitrile	ND		65.0	5	01/08/2024 20:18	WG2203065
Methyl methacrylate	ND		6.00	5	01/08/2024 20:18	WG2203065
Methylene Chloride	ND		5.35	5	01/08/2024 20:18	WG2203065
Propionitrile	ND		65.0	5	01/08/2024 20:18	WG2203065
Styrene	1.84	J	1.00	5	01/08/2024 20:18	WG2203065
Tetrachloroethene	ND		1.00	5	01/08/2024 20:18	WG2203065
Toluene	39.4		2.06	5	01/08/2024 20:18	WG2203065
Trichloroethene	ND		1.00	5	01/08/2024 20:18	WG2203065
Trichlorofluoromethane	ND		1.00	5	01/08/2024 20:18	WG2203065
Vinyl acetate	ND	J3	5.00	5	01/08/2024 20:18	WG2203065
Vinyl chloride	ND		1.00	5	01/08/2024 20:18	WG2203065
Xylenes, Total	26.4		1.58	5	01/08/2024 20:18	WG2203065
cis-1,2-Dichloroethene	ND		1.00	5	01/08/2024 20:18	WG2203065
cis-1,3-Dichloropropene	ND		1.00	5	01/08/2024 20:18	WG2203065
trans-1,2-Dichloroethene	ND		1.00	5	01/08/2024 20:18	WG2203065
trans-1,3-Dichloropropene	ND		1.11	5	01/08/2024 20:18	WG2203065
trans-1,4-Dichloro-2-butene	ND	J3	1.29	5	01/08/2024 20:18	WG2203065
(S) Toluene-d8	109			80.0-120	01/08/2024 20:18	WG2203065
(S) Toluene-d8	107			80.0-120	01/11/2024 18:11	WG2205561
(S) 1,2-Dichloroethane-d4	113			70.0-130	01/08/2024 20:18	WG2203065
(S) 1,2-Dichloroethane-d4	125			70.0-130	01/11/2024 18:11	WG2205561
(S) 4-Bromofluorobenzene	97.9			77.0-126	01/08/2024 20:18	WG2203065
(S) 4-Bromofluorobenzene	95.4			77.0-126	01/11/2024 18:11	WG2205561

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	42.2	50	01/12/2024 04:04	WG2202505
2,4,5-Tp (Silvex)	ND	J4	42.3	50	01/12/2024 04:04	WG2202505
2,4-D	ND	J4	37.2	50	01/12/2024 04:04	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	538	J7		14.0-158	01/12/2024 04:04	WG2202505

Sample Narrative:

L1693811-23 WG2202505: Dilution and surrogate failure due to matrix interference.

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/13/2024 14:26	WG2205702
4,4-DDE	ND		0.0500	1	01/13/2024 14:26	WG2205702
4,4-DDT	ND		0.0500	1	01/13/2024 14:26	WG2205702
Aldrin	ND		0.0500	1	01/13/2024 14:26	WG2205702
Alpha BHC	ND		0.0500	1	01/13/2024 14:26	WG2205702
Beta BHC	ND		0.500	1	01/13/2024 14:26	WG2205702
Chlordane	ND		0.500	1	01/13/2024 14:26	WG2205702
Delta BHC	ND		0.0500	1	01/13/2024 14:26	WG2205702
Dieldrin	ND		0.0500	1	01/13/2024 14:26	WG2205702
Endosulfan I	ND		0.0500	1	01/13/2024 14:26	WG2205702
Endosulfan II	ND		0.0500	1	01/13/2024 14:26	WG2205702
Endosulfan sulfate	ND		0.0500	1	01/13/2024 14:26	WG2205702
Endrin	ND		0.0500	1	01/13/2024 14:26	WG2205702
Endrin aldehyde	ND		0.0500	1	01/13/2024 14:26	WG2205702
Gamma BHC	ND		0.0500	1	01/13/2024 14:26	WG2205702
Heptachlor	ND		0.0500	1	01/13/2024 14:26	WG2205702
Heptachlor epoxide	ND		0.0500	1	01/13/2024 14:26	WG2205702
Methoxychlor	ND		0.100	1	01/13/2024 14:26	WG2205702
Toxaphene	ND		5.00	1	01/13/2024 14:26	WG2205702
(S) Decachlorobiphenyl	2.86	J2		10.0-128	01/13/2024 14:26	WG2205702
(S) Tetrachloro-m-xylene	16.4			10.0-127	01/13/2024 14:26	WG2205702

Sample Narrative:

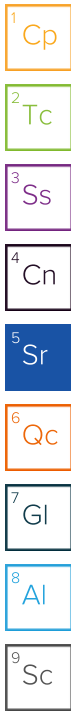
L1693811-23 WG2205702: Duplicate Analysis performed due to surrogate failure. Reporting most compliant data.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 02:06	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 02:06	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 02:06	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 02:06	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 02:06	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 02:06	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 02:06	WG2203305
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/11/2024 02:06	WG2203305
(S) Tetrachloro-m-xylene	30.2			10.0-127	01/11/2024 02:06	WG2203305

Sample Narrative:

L1693811-23 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data



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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 18:07	WG2204132
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 18:07	WG2204132
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 19:05	WG2204132
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 19:05	WG2204132
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 19:05	WG2204132
1-Naphthylamine	ND		10.0	1	01/27/2024 19:05	WG2204132
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 18:07	WG2204132
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 18:07	WG2204132
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 18:07	WG2204132
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 18:07	WG2204132
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 18:07	WG2204132
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 18:07	WG2204132
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 18:07	WG2204132
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 18:07	WG2204132
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 19:05	WG2204132
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 18:07	WG2204132
2-Acetylaminofluorene	ND		100	1	01/27/2024 19:05	WG2204132
2-Chloronaphthalene	ND		10.0	1	01/27/2024 18:07	WG2204132
2-Chlorophenol	ND		10.0	1	01/27/2024 18:07	WG2204132
2-Methylnaphthalene	ND		10.0	1	01/27/2024 18:07	WG2204132
2-Methylphenol	23.6		10.0	1	01/27/2024 18:07	WG2204132
2-Naphthylamine	ND		10.0	1	01/27/2024 19:05	WG2204132
2-Nitroaniline	ND		50.0	1	01/27/2024 18:07	WG2204132
2-Nitrophenol	ND		10.0	1	01/27/2024 18:07	WG2204132
3&4-Methyl Phenol	175		10.0	1	01/27/2024 18:07	WG2204132
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 18:07	WG2204132
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 19:05	WG2204132
3-Methylcholanthrene	ND		20.0	1	01/27/2024 19:05	WG2204132
3-Nitroaniline	ND		50.0	1	01/27/2024 18:07	WG2204132
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 18:07	WG2204132
4-Aminobiphenyl	ND		10.0	1	01/27/2024 19:05	WG2204132
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 18:07	WG2204132
4-Chloro-3-methylphenol	ND		10.0	1	01/27/2024 18:07	WG2204132
4-Chloroaniline	ND		10.0	1	01/27/2024 18:07	WG2204132
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 18:07	WG2204132
4-Nitroaniline	ND		50.0	1	01/27/2024 18:07	WG2204132
4-Nitrophenol	ND		50.0	1	01/27/2024 18:07	WG2204132
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 19:05	WG2204132
Acenaphthene	ND		10.0	1	01/27/2024 18:07	WG2204132
Acenaphthylene	ND		10.0	1	01/27/2024 18:07	WG2204132
Acetophenone	ND		10.0	1	01/27/2024 18:07	WG2204132
Anthracene	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzo(a)pyrene	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzyl Alcohol	ND		10.0	1	01/27/2024 18:07	WG2204132
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 18:07	WG2204132
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 18:07	WG2204132
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 18:07	WG2204132
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 18:07	WG2204132
Chlorobenzilate	ND		10.0	1	01/27/2024 19:05	WG2204132
Chrysene	ND		10.0	1	01/27/2024 18:07	WG2204132
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 18:07	WG2204132
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 18:07	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/27/2024 19:05	WG2204132
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 18:07	WG2204132
Dibenzofuran	ND		10.0	1	01/27/2024 18:07	WG2204132
Diethyl phthalate	ND		10.0	1	01/27/2024 18:07	WG2204132
Dimethoate	ND		20.0	1	01/27/2024 19:05	WG2204132
Dimethyl phthalate	ND		10.0	1	01/27/2024 18:07	WG2204132
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 19:05	WG2204132
Dinoseb	ND		17.9	1	01/27/2024 19:05	WG2204132
Diphenylamine	ND		10.0	1	01/27/2024 18:07	WG2204132
Disulfoton	ND		50.0	1	01/27/2024 19:05	WG2204132
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 19:05	WG2204132
Ethyl parathion	ND		50.0	1	01/27/2024 19:05	WG2204132
Famphur	ND		200	1	01/27/2024 19:05	WG2204132
Fluoranthene	ND		1.00	1	01/27/2024 18:07	WG2204132
Fluorene	ND		10.0	1	01/27/2024 18:07	WG2204132
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 18:07	WG2204132
Hexachlorobenzene	ND		10.0	1	01/27/2024 18:07	WG2204132
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 18:07	WG2204132
Hexachloroethane	ND		10.0	1	01/27/2024 18:07	WG2204132
Hexachloropropene	ND		100	1	01/27/2024 19:05	WG2204132
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 18:07	WG2204132
Isodrin	ND		10.0	1	01/27/2024 19:05	WG2204132
Isophorone	ND		10.0	1	01/27/2024 18:07	WG2204132
Isosafrole	ND		20.0	1	01/27/2024 19:05	WG2204132
Kepone	ND		1.88	1	01/27/2024 19:05	WG2204132
Methapyrilene	ND		50.0	1	01/27/2024 19:05	WG2204132
Methyl methanesulfonate	ND		50.0	1	01/27/2024 19:05	WG2204132
Methyl parathion	ND		10.0	1	01/27/2024 19:05	WG2204132
Naphthalene	ND		10.0	1	01/27/2024 18:07	WG2204132
Nitrobenzene	ND		10.0	1	01/27/2024 18:07	WG2204132
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 19:05	WG2204132
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 19:05	WG2204132
Pentachlorobenzene	ND		10.0	1	01/27/2024 19:05	WG2204132
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 19:05	WG2204132
Pentachlorophenol	ND		50.0	1	01/27/2024 18:07	WG2204132
Phenacetin	ND		10.0	1	01/27/2024 19:05	WG2204132
Phenanthrene	ND		20.0	1	01/27/2024 18:07	WG2204132
Phenol	57.4		10.0	1	01/27/2024 18:07	WG2204132
Phorate	ND		50.0	1	01/27/2024 19:05	WG2204132
Pronamide	ND		20.0	1	01/27/2024 19:05	WG2204132
Pyrene	ND		10.0	1	01/27/2024 18:07	WG2204132
Safrole	ND		50.0	1	01/27/2024 19:05	WG2204132
Thionazin	ND		10.0	1	01/27/2024 19:05	WG2204132
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 19:05	WG2204132
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 18:07	WG2204132
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 19:05	WG2204132
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 18:07	WG2204132
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 18:07	WG2204132
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 19:05	WG2204132
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 19:05	WG2204132
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 19:05	WG2204132
o-Toluidine	38.6		10.0	1	01/27/2024 19:05	WG2204132
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/27/2024 19:05	WG2204132
(S) 2-Fluorophenol	40.3			10.0-120	01/27/2024 18:07	WG2204132
(S) 2,4,6-Tribromophenol	79.1			10.0-155	01/27/2024 18:07	WG2204132
(S) p-Terphenyl-d14	0.000	<u>J2</u>		10.0-128	01/27/2024 18:07	WG2204132

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	30.2			10.0-120	01/27/2024 18:07	WG2204132
(S) 2-Fluorobiphenyl	43.7			10.0-130	01/27/2024 18:07	WG2204132
(S) Nitrobenzene-d5	28.9			10.0-127	01/27/2024 18:07	WG2204132

Sample Narrative:

L1693811-23 WG2204132: Surrogate failure due to matrix interference

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

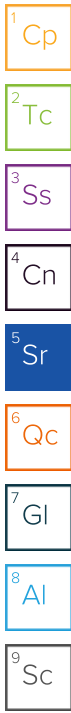
⁷ Gl

⁸ Al

⁹ Sc

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

Analyte	Result	Units
pH (On Site)	7.35	su
Specific Conductance (on site)	45713	umhos/cm
Temperature (on-site)	29.3	Deg. C
Turbidity (on-site)	43.48	NTU
Dissolved Oxygen (on-site)	4.2	mg/l
eH/ORP (On Site)	-131.7	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	7440		113	1	01/08/2024 09:21	WG2202557

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	9720		10.0	1	01/09/2024 14:39	WG2203134
Alkalinity,Bicarbonate	9720		10.0	1	01/09/2024 14:39	WG2203134
Alkalinity,Carbonate	ND		10.0	1	01/09/2024 14:39	WG2203134

Sample Narrative:

L1693811-24 WG2203134: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1970		6.34	200	01/09/2024 17:15	WG2203372

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.197	10	01/10/2024 10:27	WG2203931

Sample Narrative:

L1693811-24 WG2203931: dilution due to leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	5	01/08/2024 08:54	WG2202667

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/08/2024 23:12	WG2203138

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	2120		5.19	100	01/08/2024 23:24	WG2203200
Sulfate	58.5	J	7.74	100	01/08/2024 23:24	WG2203200

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	950		10.2	100	01/08/2024 04:33	WG2202647

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/08/2024 19:19	WG2202341

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	9	01/09/2024 18:41	WG2202942
Barium, Total Recoverable	0.970		0.0153	9	01/09/2024 18:41	WG2202942
Calcium, Total Recoverable	54.6		0.417	9	01/09/2024 18:41	WG2202942
Iron, Total Recoverable	3.45		0.127	9	01/09/2024 18:41	WG2202942
Potassium, Total Recoverable	599		3.00	9	01/09/2024 18:41	WG2202942
Magnesium, Total Recoverable	66.7		0.200	9	01/09/2024 18:41	WG2202942
Manganese, Total Recoverable	0.388		0.0108	9	01/09/2024 18:41	WG2202942
Sodium, Total Recoverable	2140		5.00	9	01/09/2024 18:41	WG2202942
Lead, Total Recoverable	ND		0.0171	9	01/09/2024 18:41	WG2202942
Selenium, Total Recoverable	ND		0.0666	9	01/09/2024 18:41	WG2202942
Tin, Total Recoverable	ND		0.100	9	01/09/2024 18:41	WG2202942

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.144		0.00500	9	01/26/2024 17:34	WG2202953
Beryllium, Total Recoverable	ND		0.00108	9	01/26/2024 17:34	WG2202953
Cadmium, Total Recoverable	ND		0.00144	9	01/26/2024 17:34	WG2202953
Cobalt, Total Recoverable	0.0849		0.00300	9	01/26/2024 17:34	WG2202953
Chromium, Total Recoverable	0.466		0.00486	9	01/26/2024 17:34	WG2202953
Copper, Total Recoverable	0.0685		0.00468	9	01/26/2024 17:34	WG2202953
Nickel, Total Recoverable	0.464		0.00400	9	01/26/2024 17:34	WG2202953
Antimony, Total Recoverable	0.00826	J	0.00679	9	01/26/2024 17:34	WG2202953
Thallium, Total Recoverable	ND		0.00171	9	01/26/2024 17:34	WG2202953
Vanadium, Total Recoverable	0.344		0.00300	9	01/26/2024 17:34	WG2202953
Zinc, Total Recoverable	0.210	J	0.0230	9	01/26/2024 17:34	WG2202953

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,1,1-Trichloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,1,2,2-Tetrachloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,1,2-Trichloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,1-Dichloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,1-Dichloroethene	ND		1.00	5	01/08/2024 20:38	WG2203065
1,1-Dichloropropene	ND		1.00	5	01/08/2024 20:38	WG2203065
1,2,3-Trichloropropane	ND		1.23	5	01/08/2024 20:38	WG2203065
1,2-Dibromo-3-Chloropropane	ND		2.00	5	01/08/2024 20:38	WG2203065
1,2-Dibromoethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,2-Dichlorobenzene	ND		1.00	5	01/08/2024 20:38	WG2203065
1,2-Dichloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,2-Dichloropropane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,3-Dichlorobenzene	ND		1.00	5	01/08/2024 20:38	WG2203065

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichloropropane	ND		1.00	5	01/08/2024 20:38	WG2203065
1,4-Dichlorobenzene	ND		1.00	5	01/08/2024 20:38	WG2203065
2,2-Dichloropropane	ND		5.00	5	01/08/2024 20:38	WG2203065
2-Butanone (MEK)	ND		6.40	5	01/11/2024 18:31	WG2205561
2-Hexanone	ND		5.00	5	01/08/2024 20:38	WG2203065
4-Methyl-2-pentanone (MIBK)	ND		5.00	5	01/08/2024 20:38	WG2203065
Acetone	50.4	J	11.3	5	01/11/2024 18:31	WG2205561
Acetonitrile	107	J	75.0	5	01/08/2024 20:38	WG2203065
Acrolein	ND		44.4	5	01/08/2024 20:38	WG2203065
Acrylonitrile	ND		20.0	5	01/08/2024 20:38	WG2203065
Allyl chloride	ND		10.0	5	01/08/2024 20:38	WG2203065
Benzene	3.88		1.00	5	01/08/2024 20:38	WG2203065
Bromochloromethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Bromodichloromethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Bromoform	ND		1.00	5	01/08/2024 20:38	WG2203065
Bromomethane	ND	J4	1.00	5	01/08/2024 20:38	WG2203065
Carbon disulfide	ND		1.00	5	01/08/2024 20:38	WG2203065
Carbon tetrachloride	ND		1.00	5	01/08/2024 20:38	WG2203065
Chlorobenzene	ND		1.00	5	01/08/2024 20:38	WG2203065
Chloroethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Chloroform	ND		1.00	5	01/08/2024 20:38	WG2203065
Chloromethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Chloroprene	ND		8.50	5	01/08/2024 20:38	WG2203065
Dibromochloromethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Dibromomethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Dichlorodifluoromethane	ND		2.00	5	01/08/2024 20:38	WG2203065
Ethyl methacrylate	ND		7.00	5	01/08/2024 20:38	WG2203065
Ethylbenzene	12.8		1.00	5	01/08/2024 20:38	WG2203065
Iodomethane	ND	J4	1.89	5	01/08/2024 20:38	WG2203065
Isobutanol	ND		195	5	01/08/2024 20:38	WG2203065
Methacrylonitrile	ND		65.0	5	01/08/2024 20:38	WG2203065
Methyl methacrylate	ND		6.00	5	01/08/2024 20:38	WG2203065
Methylene Chloride	ND		5.35	5	01/08/2024 20:38	WG2203065
Propionitrile	ND		65.0	5	01/08/2024 20:38	WG2203065
Styrene	1.76	J	1.00	5	01/08/2024 20:38	WG2203065
Tetrachloroethene	ND		1.00	5	01/08/2024 20:38	WG2203065
Toluene	19.5		2.06	5	01/08/2024 20:38	WG2203065
Trichloroethene	ND		1.00	5	01/08/2024 20:38	WG2203065
Trichlorofluoromethane	ND		1.00	5	01/08/2024 20:38	WG2203065
Vinyl acetate	ND	J3	5.00	5	01/08/2024 20:38	WG2203065
Vinyl chloride	ND		1.00	5	01/08/2024 20:38	WG2203065
Xylenes, Total	26.4		1.58	5	01/08/2024 20:38	WG2203065
cis-1,2-Dichloroethene	ND		1.00	5	01/08/2024 20:38	WG2203065
cis-1,3-Dichloropropene	ND		1.00	5	01/08/2024 20:38	WG2203065
trans-1,2-Dichloroethene	ND		1.00	5	01/08/2024 20:38	WG2203065
trans-1,3-Dichloropropene	ND		1.11	5	01/08/2024 20:38	WG2203065
trans-1,4-Dichloro-2-butene	ND	J3	1.29	5	01/08/2024 20:38	WG2203065
(S) Toluene-d8	106			80.0-120	01/08/2024 20:38	WG2203065
(S) Toluene-d8	105			80.0-120	01/11/2024 18:31	WG2205561
(S) 1,2-Dichloroethane-d4	114			70.0-130	01/08/2024 20:38	WG2203065
(S) 1,2-Dichloroethane-d4	115			70.0-130	01/11/2024 18:31	WG2205561
(S) 4-Bromofluorobenzene	94.8			77.0-126	01/08/2024 20:38	WG2203065
(S) 4-Bromofluorobenzene	95.8			77.0-126	01/11/2024 18:31	WG2205561

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	42.2	50	01/17/2024 09:44	WG2202505
2,4,5-Tp (Silvex)	ND	<u>J4</u>	42.3	50	01/17/2024 09:44	WG2202505
2,4-D	ND	<u>J4</u>	37.2	50	01/17/2024 21:31	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	214	<u>J7</u>		14.0-158	01/17/2024 09:44	WG2202505
(S) 2,4-Dichlorophenyl Acetic Acid	95.0	<u>J7</u>		14.0-158	01/17/2024 21:31	WG2202505

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-24 WG2202505: Dilution due to matrix impact on instrumentation at lower dilution

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/13/2024 14:35	WG2205702
4,4-DDE	ND		0.0500	1	01/13/2024 14:35	WG2205702
4,4-DDT	ND		0.0500	1	01/13/2024 14:35	WG2205702
Aldrin	ND		0.0500	1	01/13/2024 14:35	WG2205702
Alpha BHC	ND		0.0500	1	01/13/2024 14:35	WG2205702
Beta BHC	ND		0.500	1	01/13/2024 14:35	WG2205702
Chlordane	ND		0.500	1	01/13/2024 14:35	WG2205702
Delta BHC	ND		0.0500	1	01/13/2024 14:35	WG2205702
Dieldrin	ND		0.0500	1	01/13/2024 14:35	WG2205702
Endosulfan I	ND		0.0500	1	01/13/2024 14:35	WG2205702
Endosulfan II	ND		0.0500	1	01/13/2024 14:35	WG2205702
Endosulfan sulfate	ND		0.0500	1	01/13/2024 14:35	WG2205702
Endrin	ND		0.0500	1	01/13/2024 14:35	WG2205702
Endrin aldehyde	ND		0.0500	1	01/13/2024 14:35	WG2205702
Gamma BHC	ND		0.0500	1	01/13/2024 14:35	WG2205702
Heptachlor	ND		0.0500	1	01/13/2024 14:35	WG2205702
Heptachlor epoxide	ND		0.0500	1	01/13/2024 14:35	WG2205702
Methoxychlor	ND		0.100	1	01/13/2024 14:35	WG2205702
Toxaphene	ND		5.00	1	01/13/2024 14:35	WG2205702
(S) Decachlorobiphenyl	2.92	<u>J2</u>		10.0-128	01/13/2024 14:35	WG2205702
(S) Tetrachloro-m-xylene	11.2			10.0-127	01/13/2024 14:35	WG2205702

Sample Narrative:

L1693811-24 WG2205702: Duplicate Analysis performed due to surrogate failure. Reporting most compliant data.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/11/2024 02:16	WG2203305
PCB 1221	ND		1.00	1	01/11/2024 02:16	WG2203305
PCB 1232	ND		1.00	1	01/11/2024 02:16	WG2203305
PCB 1242	ND		1.00	1	01/11/2024 02:16	WG2203305
PCB 1248	ND		1.00	1	01/11/2024 02:16	WG2203305
PCB 1254	ND		1.00	1	01/11/2024 02:16	WG2203305
PCB 1260	ND		1.00	1	01/11/2024 02:16	WG2203305
(S) Decachlorobiphenyl	0.000	<u>J2</u>		10.0-128	01/11/2024 02:16	WG2203305
(S) Tetrachloro-m-xylene	20.8			10.0-127	01/11/2024 02:16	WG2203305

Sample Narrative:

L1693811-24 WG2203305: Duplicate Analysis performed due to QC failure. Results confirm; reporting most compliant data

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/14/2024 17:16	WG2204132
1,2,4-Trichlorobenzene	ND		10.0	5	01/14/2024 17:16	WG2204132
1,3,5-Trinitrobenzene	ND		50.0	5	01/17/2024 18:06	WG2204132
1,3-Dinitrobenzene	ND		10.0	5	01/17/2024 18:06	WG2204132
1,4-Naphthoquinone	ND	J4	50.0	5	01/17/2024 18:06	WG2204132
1-Naphthylamine	ND		10.0	5	01/17/2024 18:06	WG2204132
2,2-Oxybis(1-Chloropropane)	ND		10.0	5	01/14/2024 17:16	WG2204132
2,3,4,6-Tetrachlorophenol	ND		50.0	5	01/14/2024 17:16	WG2204132
2,4,5-Trichlorophenol	ND		10.0	5	01/14/2024 17:16	WG2204132
2,4,6-Trichlorophenol	ND		10.0	5	01/14/2024 17:16	WG2204132
2,4-Dichlorophenol	ND		10.0	5	01/14/2024 17:16	WG2204132
2,4-Dimethylphenol	ND		10.0	5	01/14/2024 17:16	WG2204132
2,4-Dinitrophenol	ND		50.0	5	01/14/2024 17:16	WG2204132
2,4-Dinitrotoluene	ND		10.0	5	01/14/2024 17:16	WG2204132
2,6-Dichlorophenol	ND		13.8	5	01/17/2024 18:06	WG2204132
2,6-Dinitrotoluene	170		10.0	5	01/14/2024 17:16	WG2204132
2-Acetylaminofluorene	ND		100	5	01/17/2024 18:06	WG2204132
2-Chloronaphthalene	ND		10.0	5	01/14/2024 17:16	WG2204132
2-Chlorophenol	ND		10.0	5	01/14/2024 17:16	WG2204132
2-Methylnaphthalene	ND		10.0	5	01/14/2024 17:16	WG2204132
2-Methylphenol	16.3	IJ	10.0	5	01/14/2024 17:16	WG2204132
2-Naphthylamine	ND		10.0	5	01/17/2024 18:06	WG2204132
2-Nitroaniline	ND		50.0	5	01/14/2024 17:16	WG2204132
2-Nitrophenol	ND		10.0	5	01/14/2024 17:16	WG2204132
3&4-Methyl Phenol	ND		10.0	5	01/14/2024 17:16	WG2204132
3,3-Dichlorobenzidine	ND		50.0	5	01/14/2024 17:16	WG2204132
3,3-Dimethylbenzidine	ND		20.0	5	01/17/2024 18:06	WG2204132
3-Methylcholanthrene	ND		20.0	5	01/17/2024 18:06	WG2204132
3-Nitroaniline	ND		50.0	5	01/14/2024 17:16	WG2204132
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/14/2024 17:16	WG2204132
4-Aminobiphenyl	ND		10.0	5	01/17/2024 18:06	WG2204132
4-Bromophenyl-phenylether	ND		50.0	5	01/14/2024 17:16	WG2204132
4-Chloro-3-methylphenol	ND		10.0	5	01/14/2024 17:16	WG2204132
4-Chloroaniline	ND		10.0	5	01/14/2024 17:16	WG2204132
4-Chlorophenyl-phenylether	ND		10.0	5	01/14/2024 17:16	WG2204132
4-Nitroaniline	ND		50.0	5	01/14/2024 17:16	WG2204132
4-Nitrophenol	ND		50.0	5	01/14/2024 17:16	WG2204132
5-Nitro-o-toluidine	ND		20.0	5	01/17/2024 18:06	WG2204132
Acenaphthene	ND		10.0	5	01/14/2024 17:16	WG2204132
Acenaphthylene	ND		10.0	5	01/14/2024 17:16	WG2204132
Acetophenone	ND		13.6	5	01/14/2024 17:16	WG2204132
Anthracene	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzo(A)Anthracene	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzo(a)pyrene	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzo(b)fluoranthene	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzo(g,h,i)perylene	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzo(k)fluoranthene	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzyl Alcohol	ND		10.0	5	01/14/2024 17:16	WG2204132
Benzylbutyl phthalate	ND		10.0	5	01/14/2024 17:16	WG2204132
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/14/2024 17:16	WG2204132
Bis(2-chloroethoxy)methane	ND		10.0	5	01/14/2024 17:16	WG2204132
Bis(2-chloroethyl)ether	ND		10.0	5	01/14/2024 17:16	WG2204132
Chlorobenzilate	ND		10.0	5	01/17/2024 18:06	WG2204132
Chrysene	ND		10.0	5	01/14/2024 17:16	WG2204132
Di-n-butyl phthalate	ND		10.0	5	01/14/2024 17:16	WG2204132
Di-n-octyl phthalate	ND		10.0	5	01/14/2024 17:16	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	5	01/17/2024 18:06	WG2204132
Dibenz(a,h)anthracene	ND		20.0	5	01/14/2024 17:16	WG2204132
Dibenzofuran	ND		10.0	5	01/14/2024 17:16	WG2204132
Diethyl phthalate	ND		10.0	5	01/14/2024 17:16	WG2204132
Dimethoate	ND		20.0	5	01/17/2024 18:06	WG2204132
Dimethyl phthalate	ND		10.0	5	01/14/2024 17:16	WG2204132
Dimethylbenz (A) Anthracene	ND		20.0	5	01/17/2024 18:06	WG2204132
Dinoseb	ND		89.5	5	01/17/2024 18:06	WG2204132
Diphenylamine	ND		10.0	5	01/14/2024 17:16	WG2204132
Disulfoton	ND		50.0	5	01/17/2024 18:06	WG2204132
Ethyl methanesulfonate	ND		10.0	5	01/17/2024 18:06	WG2204132
Ethyl parathion	ND		50.0	5	01/17/2024 18:06	WG2204132
Famphur	ND		200	5	01/17/2024 18:06	WG2204132
Fluoranthene	ND		1.55	5	01/14/2024 17:16	WG2204132
Fluorene	ND		10.0	5	01/14/2024 17:16	WG2204132
Hexachloro-1,3-butadiene	ND		10.0	5	01/14/2024 17:16	WG2204132
Hexachlorobenzene	ND		10.0	5	01/14/2024 17:16	WG2204132
Hexachlorocyclopentadiene	ND		50.0	5	01/14/2024 17:16	WG2204132
Hexachloroethane	ND		10.0	5	01/14/2024 17:16	WG2204132
Hexachloropropene	ND		100	5	01/17/2024 18:06	WG2204132
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/14/2024 17:16	WG2204132
Isodrin	ND		10.0	5	01/17/2024 18:06	WG2204132
Isophorone	ND		10.0	5	01/14/2024 17:16	WG2204132
Isosafrole	ND		20.0	5	01/17/2024 18:06	WG2204132
Kepone	ND		9.40	5	01/17/2024 18:06	WG2204132
Methapyrilene	ND		50.0	5	01/17/2024 18:06	WG2204132
Methyl methanesulfonate	ND		50.0	5	01/17/2024 18:06	WG2204132
Methyl parathion	ND		10.0	5	01/17/2024 18:06	WG2204132
Naphthalene	ND		10.0	5	01/14/2024 17:16	WG2204132
Nitrobenzene	ND		10.0	5	01/14/2024 17:16	WG2204132
O,O,O-Triethyl Phosphorothioate	ND		50.0	5	01/17/2024 18:06	WG2204132
P-(Dimethylamino) Azobenzene	ND		20.0	5	01/17/2024 18:06	WG2204132
Pentachlorobenzene	ND		10.0	5	01/17/2024 18:06	WG2204132
Pentachloronitrobenzene	ND		50.0	5	01/17/2024 18:06	WG2204132
Pentachlorophenol	ND		50.0	5	01/14/2024 17:16	WG2204132
Phenacetin	ND		10.0	5	01/17/2024 18:06	WG2204132
Phenanthrene	ND		20.0	5	01/14/2024 17:16	WG2204132
Phenol	ND		10.0	5	01/14/2024 17:16	WG2204132
Phorate	ND		50.0	5	01/17/2024 18:06	WG2204132
Pronamide	ND		20.0	5	01/17/2024 18:06	WG2204132
Pyrene	ND		10.0	5	01/14/2024 17:16	WG2204132
Safrole	ND		50.0	5	01/17/2024 18:06	WG2204132
Thionazin	ND		10.0	5	01/17/2024 18:06	WG2204132
n-Nitrosodi-n-butylamine	ND		10.0	5	01/17/2024 18:06	WG2204132
n-Nitrosodi-n-propylamine	ND		10.0	5	01/14/2024 17:16	WG2204132
n-Nitrosodiethylamine	ND		10.0	5	01/17/2024 18:06	WG2204132
n-Nitrosodimethylamine	ND		10.0	5	01/14/2024 17:16	WG2204132
n-Nitrosodiphenylamine	ND		10.0	5	01/14/2024 17:16	WG2204132
n-Nitrosomethylethylamine	ND		10.0	5	01/17/2024 18:06	WG2204132
n-Nitrosopiperidine	ND		10.0	5	01/17/2024 18:06	WG2204132
n-Nitrosopyrrolidine	ND		12.8	5	01/17/2024 18:06	WG2204132
o-Toluidine	27.1	J	10.0	5	01/17/2024 18:06	WG2204132
p-Phenylenediamine	ND	J4	1940	5	01/17/2024 18:06	WG2204132
(S) 2-Fluorophenol	43.5			10.0-120	01/14/2024 17:16	WG2204132
(S) 2,4,6-Tribromophenol	72.0			10.0-155	01/14/2024 17:16	WG2204132
(S) p-Terphenyl-d14	10.7			10.0-128	01/14/2024 17:16	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	36.6			10.0-120	01/14/2024 17:16	WG2204132
(S) 2-Fluorobiphenyl	36.5			10.0-130	01/14/2024 17:16	WG2204132
(S) Nitrobenzene-d5	46.3			10.0-127	01/14/2024 17:16	WG2204132

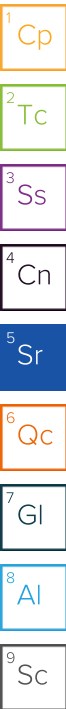
Sample Narrative:

L1693811-24 WG2204132: Dilution and surrogate failure due to matrix interference.

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

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

Analyte	Result	Units
pH (On Site)	6.91	su
Specific Conductance (on site)	20187	umhos/cm
Temperature (on-site)	19.6	Deg. C
Turbidity (on-site)	201.71	NTU
Dissolved Oxygen (on-site)	1.76	mg/l
eH/ORP (On Site)	-143.2	mV



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	8000		113	1	01/12/2024 14:28	WG2206110

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	9180		10.0	1	01/10/2024 13:26	WG2204249
Alkalinity,Bicarbonate	9180		10.0	1	01/10/2024 13:26	WG2204249
Alkalinity,Carbonate	ND		10.0	1	01/10/2024 13:26	WG2204249

Sample Narrative:

L1693811-25 WG2204249: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	1790		15.8	500	01/10/2024 10:58	WG2204231

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	ND		0.197	10	01/10/2024 10:29	WG2203931

Sample Narrative:

L1693811-25 WG2203931: dilution due to leachate matrix

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	10	01/09/2024 16:41	WG2203628

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	0.0224		0.0100	2	01/10/2024 18:00	WG2203900

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	2200		5.19	100	01/09/2024 14:43	WG2203698
Sulfate	68.5		5.00	10	01/09/2024 14:29	WG2203698

LEACHATE-COMPOSITE

SAMPLE RESULTS - 25

Collected date/time: 01/05/24 13:00

L1693811

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1490		5.10	50	01/11/2024 23:57	WG2204237

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000490	10	01/12/2024 13:23	WG2204305

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	01/11/2024 11:33	WG2204399
Barium, Total Recoverable	0.779		0.00500	1	01/11/2024 11:33	WG2204399
Calcium, Total Recoverable	89.3		0.200	1	01/11/2024 11:33	WG2204399
Iron, Total Recoverable	20.0		0.0600	1	01/11/2024 11:33	WG2204399
Potassium, Total Recoverable	548		3.00	5	01/11/2024 12:25	WG2204399
Magnesium, Total Recoverable	44.9		0.200	1	01/11/2024 11:33	WG2204399
Manganese, Total Recoverable	0.992		0.00300	1	01/11/2024 11:33	WG2204399
Sodium, Total Recoverable	2010		5.00	5	01/11/2024 12:25	WG2204399
Lead, Total Recoverable	0.0134		0.00500	1	01/11/2024 11:33	WG2204399
Selenium, Total Recoverable	ND		0.0100	1	01/11/2024 11:33	WG2204399
Tin, Total Recoverable	ND		0.100	1	01/11/2024 11:33	WG2204399

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	0.168		0.00500	10	01/13/2024 18:06	WG2204683
Beryllium, Total Recoverable	ND		0.00120	10	01/13/2024 18:06	WG2204683
Cadmium, Total Recoverable	ND		0.00160	10	01/13/2024 18:06	WG2204683
Cobalt, Total Recoverable	0.0741		0.00300	10	01/13/2024 18:06	WG2204683
Chromium, Total Recoverable	0.198		0.00540	10	01/13/2024 18:06	WG2204683
Copper, Total Recoverable	0.0318	J	0.00520	10	01/13/2024 18:06	WG2204683
Nickel, Total Recoverable	0.335		0.00400	10	01/13/2024 18:06	WG2204683
Antimony, Total Recoverable	0.0334		0.00754	10	01/13/2024 18:06	WG2204683
Thallium, Total Recoverable	ND		0.00190	10	01/13/2024 18:06	WG2204683
Vanadium, Total Recoverable	0.154		0.00300	10	01/13/2024 18:06	WG2204683
Zinc, Total Recoverable	1.07		0.0256	10	01/13/2024 18:06	WG2204683

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		2.40	20	01/14/2024 13:53	WG2206195
1,1,1-Trichloroethane	ND		1.88	20	01/14/2024 13:53	WG2206195
1,1,2,2-Tetrachloroethane	ND		2.60	20	01/14/2024 13:53	WG2206195
1,1,2-Trichloroethane	ND		3.72	20	01/14/2024 13:53	WG2206195
1,1-Dichloroethane	ND		2.28	20	01/14/2024 13:53	WG2206195
1,1-Dichloroethene	ND		3.76	20	01/14/2024 13:53	WG2206195
1,1-Dichloropropene	ND		2.56	20	01/14/2024 13:53	WG2206195
1,2,3-Trichloropropane	ND		4.94	20	01/14/2024 13:53	WG2206195
1,2-Dibromo-3-Chloropropane	ND		6.50	20	01/14/2024 13:53	WG2206195
1,2-Dibromoethane	ND		3.86	20	01/14/2024 13:53	WG2206195
1,2-Dichlorobenzene	ND		2.02	20	01/14/2024 13:53	WG2206195
1,2-Dichloroethane	ND		2.16	20	01/14/2024 13:53	WG2206195
1,2-Dichloropropane	ND		3.80	20	01/14/2024 13:53	WG2206195
1,3-Dichlorobenzene	ND		2.60	20	01/14/2024 13:53	WG2206195

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

LEACHATE-COMPOSITE

Collected date/time: 01/05/24 13:00

SAMPLE RESULTS - 25

L1693811

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,3-Dichloropropane	ND		2.94	20	01/14/2024 13:53	WG2206195
1,4-Dichlorobenzene	3.50	J	2.42	20	01/14/2024 13:53	WG2206195
2,2-Dichloropropane	ND		5.00	20	01/14/2024 13:53	WG2206195
2-Butanone (MEK)	861		25.6	20	01/14/2024 13:53	WG2206195
2-Hexanone	ND		15.1	20	01/14/2024 13:53	WG2206195
4-Methyl-2-pentanone (MIBK)	23.5	J	16.5	20	01/14/2024 13:53	WG2206195
Acetone	2090		21.0	20	01/14/2024 13:53	WG2206195
Acetonitrile	ND		300	20	01/14/2024 13:53	WG2206195
Acrolein	ND	J3	177	20	01/14/2024 13:53	WG2206195
Acrylonitrile	ND		20.0	20	01/14/2024 13:53	WG2206195
Allyl chloride	ND		34.0	20	01/14/2024 13:53	WG2206195
Benzene	4.07	J	1.79	20	01/14/2024 13:53	WG2206195
Bromochloromethane	ND		2.90	20	01/14/2024 13:53	WG2206195
Bromodichloromethane	ND		1.60	20	01/14/2024 13:53	WG2206195
Bromoform	ND		3.72	20	01/14/2024 13:53	WG2206195
Bromomethane	ND	J4	3.14	20	01/14/2024 13:53	WG2206195
Carbon disulfide	2.75	J	2.02	20	01/14/2024 13:53	WG2206195
Carbon tetrachloride	ND		3.18	20	01/14/2024 13:53	WG2206195
Chlorobenzene	ND		2.80	20	01/14/2024 13:53	WG2206195
Chloroethane	ND		2.82	20	01/14/2024 13:53	WG2206195
Chloroform	1.87	J	1.72	20	01/14/2024 13:53	WG2206195
Chloromethane	ND		3.06	20	01/14/2024 13:53	WG2206195
Chloroprene	ND		34.0	20	01/14/2024 13:53	WG2206195
Dibromochloromethane	ND		2.56	20	01/14/2024 13:53	WG2206195
Dibromomethane	ND		2.34	20	01/14/2024 13:53	WG2206195
Dichlorodifluoromethane	ND		2.54	20	01/14/2024 13:53	WG2206195
Ethyl methacrylate	ND		28.0	20	01/14/2024 13:53	WG2206195
Ethylbenzene	6.91	J	3.16	20	01/14/2024 13:53	WG2206195
Iodomethane	294	J4	7.54	20	01/14/2024 13:53	WG2206195
Isobutanol	ND		780	20	01/14/2024 13:53	WG2206195
Methacrylonitrile	ND		260	20	01/14/2024 13:53	WG2206195
Methyl methacrylate	ND		24.0	20	01/14/2024 13:53	WG2206195
Methylene Chloride	ND		21.4	20	01/14/2024 13:53	WG2206195
Propionitrile	ND		260	20	01/14/2024 13:53	WG2206195
Styrene	ND		2.34	20	01/14/2024 13:53	WG2206195
Tetrachloroethene	ND		3.98	20	01/14/2024 13:53	WG2206195
Toluene	15.7		8.24	20	01/14/2024 13:53	WG2206195
Trichloroethene	ND	J3	3.06	20	01/14/2024 13:53	WG2206195
Trichlorofluoromethane	ND		2.60	20	01/14/2024 13:53	WG2206195
Vinyl acetate	ND	J3	12.9	20	01/14/2024 13:53	WG2206195
Vinyl chloride	ND		2.36	20	01/14/2024 13:53	WG2206195
Xylenes, Total	15.5	J	6.32	20	01/14/2024 13:53	WG2206195
cis-1,2-Dichloroethene	ND		1.87	20	01/14/2024 13:53	WG2206195
cis-1,3-Dichloropropene	ND		1.95	20	01/14/2024 13:53	WG2206195
trans-1,2-Dichloroethene	ND		3.04	20	01/14/2024 13:53	WG2206195
trans-1,3-Dichloropropene	ND		4.44	20	01/14/2024 13:53	WG2206195
trans-1,4-Dichloro-2-butene	ND		5.14	20	01/14/2024 13:53	WG2206195
(S) Toluene-d8	110			80.0-120	01/14/2024 13:53	WG2206195
(S) 1,2-Dichloroethane-d4	109			70.0-130	01/14/2024 13:53	WG2206195
(S) 4-Bromofluorobenzene	101			77.0-126	01/14/2024 13:53	WG2206195

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1693811-25 WG2206195: Non-target compounds too high to run at a lower dilution.

LEACHATE-COMPOSITE

SAMPLE RESULTS - 25

Collected date/time: 01/05/24 13:00

L1693811

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		42.2	50	01/17/2024 21:40	WG2204123
2,4,5-Tp (Silvex)	ND		42.3	50	01/17/2024 21:40	WG2204123
2,4-D	ND		37.2	50	01/17/2024 21:40	WG2204123
(S) 2,4-Dichlorophenyl Acetic Acid	0.000	J7		14.0-158	01/17/2024 21:40	WG2204123

Sample Narrative:

L1693811-25 WG2204123: Dilution due to matrix impact on instrumentation at lower dilution

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/14/2024 19:16	WG2206200
4,4-DDE	ND		0.0500	1	01/14/2024 19:16	WG2206200
4,4-DDT	ND		0.0500	1	01/14/2024 19:16	WG2206200
Aldrin	ND		0.0500	1	01/14/2024 19:16	WG2206200
Alpha BHC	ND		0.0500	1	01/14/2024 19:16	WG2206200
Beta BHC	ND		0.500	1	01/14/2024 19:16	WG2206200
Chlordane	ND		0.500	1	01/18/2024 03:59	WG2206200
Delta BHC	ND		0.0500	1	01/14/2024 19:16	WG2206200
Dieldrin	ND		0.0500	1	01/14/2024 19:16	WG2206200
Endosulfan I	ND		0.0500	1	01/14/2024 19:16	WG2206200
Endosulfan II	ND		0.0500	1	01/14/2024 19:16	WG2206200
Endosulfan sulfate	ND		0.0500	1	01/14/2024 19:16	WG2206200
Endrin	ND		0.0500	1	01/14/2024 19:16	WG2206200
Endrin aldehyde	ND		0.0500	1	01/14/2024 19:16	WG2206200
Gamma BHC	ND		0.0500	1	01/14/2024 19:16	WG2206200
Heptachlor	ND		0.0500	1	01/14/2024 19:16	WG2206200
Heptachlor epoxide	ND		0.0500	1	01/14/2024 19:16	WG2206200
Methoxychlor	ND		0.100	1	01/14/2024 19:16	WG2206200
Toxaphene	ND		5.00	1	01/18/2024 03:59	WG2206200
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/14/2024 19:16	WG2206200
(S) Decachlorobiphenyl	0.686	J2		10.0-128	01/18/2024 03:59	WG2206200
(S) Tetrachloro-m-xylene	17.9			10.0-127	01/18/2024 03:59	WG2206200
(S) Tetrachloro-m-xylene	18.0			10.0-127	01/14/2024 19:16	WG2206200

Sample Narrative:

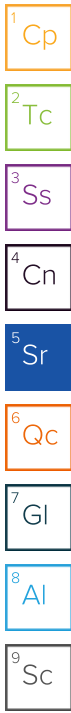
L1693811-25 WG2206200: Duplicate Analysis performed due to surrogate failure. Reporting most compliant data.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/14/2024 19:16	WG2206200
PCB 1221	ND		1.00	1	01/14/2024 19:16	WG2206200
PCB 1232	ND		1.00	1	01/14/2024 19:16	WG2206200
PCB 1242	ND		1.00	1	01/14/2024 19:16	WG2206200
PCB 1248	ND		1.00	1	01/14/2024 19:16	WG2206200
PCB 1254	ND		1.00	1	01/14/2024 19:16	WG2206200
PCB 1260	ND		1.00	1	01/14/2024 19:16	WG2206200
(S) Decachlorobiphenyl	0.000	J2		10.0-128	01/14/2024 19:16	WG2206200
(S) Tetrachloro-m-xylene	44.2			10.0-127	01/14/2024 19:16	WG2206200

Sample Narrative:

L1693811-25 WG2206200: Duplicate Analysis performed due to surrogate failure. Reporting most compliant data.



LEACHATE-COMPOSITE

Collected date/time: 01/05/24 13:00

SAMPLE RESULTS - 25

L1693811

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,2,4,5-Tetrachlorobenzene	ND		12.0	5	01/14/2024 18:00	WG2204132
1,2,4-Trichlorobenzene	ND		10.0	5	01/14/2024 18:00	WG2204132
1,3,5-Trinitrobenzene	ND		50.0	5	01/17/2024 18:41	WG2204132
1,3-Dinitrobenzene	ND		10.0	5	01/17/2024 18:41	WG2204132
1,4-Naphthoquinone	ND	J4	50.0	5	01/17/2024 18:41	WG2204132
1-Naphthylamine	ND		10.0	5	01/17/2024 18:41	WG2204132
2,2-Oxybis(1-Chloropropane)	ND		10.0	5	01/14/2024 18:00	WG2204132
2,3,4,6-Tetrachlorophenol	ND		50.0	5	01/14/2024 18:00	WG2204132
2,4,5-Trichlorophenol	ND		10.0	5	01/14/2024 18:00	WG2204132
2,4,6-Trichlorophenol	ND		10.0	5	01/14/2024 18:00	WG2204132
2,4-Dichlorophenol	ND		10.0	5	01/14/2024 18:00	WG2204132
2,4-Dimethylphenol	ND		10.0	5	01/14/2024 18:00	WG2204132
2,4-Dinitrophenol	ND		50.0	5	01/14/2024 18:00	WG2204132
2,4-Dinitrotoluene	ND		10.0	5	01/14/2024 18:00	WG2204132
2,6-Dichlorophenol	ND		13.8	5	01/17/2024 18:41	WG2204132
2,6-Dinitrotoluene	ND		10.0	5	01/14/2024 18:00	WG2204132
2-Acetylaminofluorene	ND		100	5	01/17/2024 18:41	WG2204132
2-Chloronaphthalene	ND		10.0	5	01/14/2024 18:00	WG2204132
2-Chlorophenol	ND		10.0	5	01/14/2024 18:00	WG2204132
2-Methylnaphthalene	ND		10.0	5	01/14/2024 18:00	WG2204132
2-Methylphenol	ND		10.0	5	01/14/2024 18:00	WG2204132
2-Naphthylamine	ND		10.0	5	01/17/2024 18:41	WG2204132
2-Nitroaniline	ND		50.0	5	01/14/2024 18:00	WG2204132
2-Nitrophenol	ND		10.0	5	01/14/2024 18:00	WG2204132
3&4-Methyl Phenol	680		10.0	5	01/14/2024 18:00	WG2204132
3,3-Dichlorobenzidine	ND		50.0	5	01/14/2024 18:00	WG2204132
3,3-Dimethylbenzidine	ND		20.0	5	01/17/2024 18:41	WG2204132
3-Methylcholanthrene	ND		20.0	5	01/17/2024 18:41	WG2204132
3-Nitroaniline	ND		50.0	5	01/14/2024 18:00	WG2204132
4,6-Dinitro-2-methylphenol	ND		50.0	5	01/14/2024 18:00	WG2204132
4-Aminobiphenyl	ND		10.0	5	01/17/2024 18:41	WG2204132
4-Bromophenyl-phenylether	ND		50.0	5	01/14/2024 18:00	WG2204132
4-Chloro-3-methylphenol	ND		10.0	5	01/14/2024 18:00	WG2204132
4-Chloroaniline	ND		10.0	5	01/14/2024 18:00	WG2204132
4-Chlorophenyl-phenylether	ND		10.0	5	01/14/2024 18:00	WG2204132
4-Nitroaniline	ND		50.0	5	01/14/2024 18:00	WG2204132
4-Nitrophenol	ND		50.0	5	01/14/2024 18:00	WG2204132
5-Nitro-o-toluidine	ND		20.0	5	01/17/2024 18:41	WG2204132
Acenaphthene	ND		10.0	5	01/14/2024 18:00	WG2204132
Acenaphthylene	ND		10.0	5	01/14/2024 18:00	WG2204132
Acetophenone	ND		13.6	5	01/14/2024 18:00	WG2204132
Anthracene	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzo(A)Anthracene	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzo(a)pyrene	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzo(b)fluoranthene	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzo(g,h,i)perylene	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzo(k)fluoranthene	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzyl Alcohol	ND		10.0	5	01/14/2024 18:00	WG2204132
Benzylbutyl phthalate	ND		10.0	5	01/14/2024 18:00	WG2204132
Bis(2-Ethylhexyl)phthalate	ND		10.0	5	01/14/2024 18:00	WG2204132
Bis(2-chlorethoxy)methane	ND		10.0	5	01/14/2024 18:00	WG2204132
Bis(2-chloroethyl)ether	ND		10.0	5	01/14/2024 18:00	WG2204132
Chlorobenzilate	ND		10.0	5	01/17/2024 18:41	WG2204132
Chrysene	ND		10.0	5	01/14/2024 18:00	WG2204132
Di-n-butyl phthalate	ND		10.0	5	01/14/2024 18:00	WG2204132
Di-n-octyl phthalate	ND		10.0	5	01/14/2024 18:00	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

LEACHATE-COMPOSITE

SAMPLE RESULTS - 25

Collected date/time: 01/05/24 13:00

L1693811

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	5	01/17/2024 18:41	WG2204132
Dibenz(a,h)anthracene	ND		20.0	5	01/14/2024 18:00	WG2204132
Dibenzofuran	ND		10.0	5	01/14/2024 18:00	WG2204132
Diethyl phthalate	ND		10.0	5	01/14/2024 18:00	WG2204132
Dimethoate	ND		20.0	5	01/17/2024 18:41	WG2204132
Dimethyl phthalate	ND		10.0	5	01/14/2024 18:00	WG2204132
Dimethylbenz (A) Anthracene	ND		20.0	5	01/17/2024 18:41	WG2204132
Dinoseb	ND		89.5	5	01/17/2024 18:41	WG2204132
Diphenylamine	ND		10.0	5	01/14/2024 18:00	WG2204132
Disulfoton	ND		50.0	5	01/17/2024 18:41	WG2204132
Ethyl methanesulfonate	ND		10.0	5	01/17/2024 18:41	WG2204132
Ethyl parathion	ND		50.0	5	01/17/2024 18:41	WG2204132
Famphur	ND		200	5	01/17/2024 18:41	WG2204132
Fluoranthene	ND		1.55	5	01/14/2024 18:00	WG2204132
Fluorene	ND		10.0	5	01/14/2024 18:00	WG2204132
Hexachloro-1,3-butadiene	ND		10.0	5	01/14/2024 18:00	WG2204132
Hexachlorobenzene	ND		10.0	5	01/14/2024 18:00	WG2204132
Hexachlorocyclopentadiene	ND		50.0	5	01/14/2024 18:00	WG2204132
Hexachloroethane	ND		10.0	5	01/14/2024 18:00	WG2204132
Hexachloropropene	ND		100	5	01/17/2024 18:41	WG2204132
Indeno(1,2,3-cd)pyrene	ND		10.0	5	01/14/2024 18:00	WG2204132
Isodrin	ND		10.0	5	01/17/2024 18:41	WG2204132
Isophorone	ND		10.0	5	01/14/2024 18:00	WG2204132
Isosafrole	ND		20.0	5	01/17/2024 18:41	WG2204132
Kepone	ND		9.40	5	01/17/2024 18:41	WG2204132
Methapyrilene	ND		50.0	5	01/17/2024 18:41	WG2204132
Methyl methanesulfonate	ND		50.0	5	01/17/2024 18:41	WG2204132
Methyl parathion	ND		10.0	5	01/17/2024 18:41	WG2204132
Naphthalene	ND		10.0	5	01/14/2024 18:00	WG2204132
Nitrobenzene	ND		10.0	5	01/14/2024 18:00	WG2204132
O,O,O-Triethyl Phosphorothioate	ND		50.0	5	01/17/2024 18:41	WG2204132
P-(Dimethylamino) Azobenzene	ND		20.0	5	01/17/2024 18:41	WG2204132
Pentachlorobenzene	ND		10.0	5	01/17/2024 18:41	WG2204132
Pentachloronitrobenzene	ND		50.0	5	01/17/2024 18:41	WG2204132
Pentachlorophenol	ND		50.0	5	01/14/2024 18:00	WG2204132
Phenacetin	ND		10.0	5	01/17/2024 18:41	WG2204132
Phenanthrene	ND		20.0	5	01/14/2024 18:00	WG2204132
Phenol	806		10.0	5	01/14/2024 18:00	WG2204132
Phorate	ND		50.0	5	01/17/2024 18:41	WG2204132
Pronamide	ND		20.0	5	01/17/2024 18:41	WG2204132
Pyrene	ND		10.0	5	01/14/2024 18:00	WG2204132
Safrole	ND		50.0	5	01/17/2024 18:41	WG2204132
Thionazin	ND		10.0	5	01/17/2024 18:41	WG2204132
n-Nitrosodi-n-butylamine	ND		10.0	5	01/17/2024 18:41	WG2204132
n-Nitrosodi-n-propylamine	ND		10.0	5	01/14/2024 18:00	WG2204132
n-Nitrosodiethylamine	ND		10.0	5	01/17/2024 18:41	WG2204132
n-Nitrosodimethylamine	ND		10.0	5	01/14/2024 18:00	WG2204132
n-Nitrosodiphenylamine	ND		10.0	5	01/14/2024 18:00	WG2204132
n-Nitrosomethylethylamine	ND		10.0	5	01/17/2024 18:41	WG2204132
n-Nitrosopiperidine	ND		10.0	5	01/17/2024 18:41	WG2204132
n-Nitrosopyrrolidine	ND		12.8	5	01/17/2024 18:41	WG2204132
o-Toluidine	49.4	J	10.0	5	01/17/2024 18:41	WG2204132
p-Phenylenediamine	ND	J4	1940	5	01/17/2024 18:41	WG2204132
(S) 2-Fluorophenol	39.7			10.0-120	01/14/2024 18:00	WG2204132
(S) 2,4,6-Tribromophenol	55.5			10.0-155	01/14/2024 18:00	WG2204132
(S) p-Terphenyl-d14	0.000	J2		10.0-128	01/14/2024 18:00	WG2204132

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	0.000	<u>J2</u>		10.0-120	01/14/2024 18:00	WG2204132
(S) 2-Fluorobiphenyl	34.2			10.0-130	01/14/2024 18:00	WG2204132
(S) Nitrobenzene-d5	43.6			10.0-127	01/14/2024 18:00	WG2204132

Sample Narrative:

L1693811-25 WG2204132: Dilution due to matrix.

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

Method Blank (MB)

(MB) R4021417-1 01/08/24 09:21

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

1 Cp

2 Tc

3 Ss

L1693274-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693274-01 01/08/24 09:21 • (DUP) R4021417-3 01/08/24 09:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	1830	1930	1	5.05	J3	5

4 Cn

5 Sr

6 Qc

L1693576-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693576-01 01/08/24 09:21 • (DUP) R4021417-4 01/08/24 09:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	282	293	1	3.83		5

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021417-2 01/08/24 09:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8630	98.1	85.0-115	

Method Blank (MB)

(MB) R4021419-1 01/08/24 14:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	5.00	J	2.82	10.0

1 Cp

2 Tc

3 Ss

L1693121-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693121-01 01/08/24 14:00 • (DUP) R4021419-3 01/08/24 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	351	358	1	1.97		5

4 Cn

5 Sr

6 Qc

L1693275-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693275-02 01/08/24 14:00 • (DUP) R4021419-4 01/08/24 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	194	205	1	5.51	J3	5

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021419-2 01/08/24 14:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8670	98.5	85.0-115	

Method Blank (MB)

(MB) R4021418-1 01/08/24 10:55

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

1 Cp

2 Tc

3 Ss

L1693821-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1693821-14 01/08/24 10:55 • (DUP) R4021418-4 01/08/24 10:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	4200	4380	1	4.20		5

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021418-2 01/08/24 10:55

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8610	97.8	85.0-115	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024508-1 01/12/24 14:28

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

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

(LCS) R4024508-2 01/12/24 14:28 • (LCSD) R4024508-3 01/12/24 14:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Dissolved Solids	8800	8440	8600	95.9	97.7	85.0-115			1.88	5

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

Method Blank (MB)

(MB) R4021231-2 01/09/24 09:01

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1693225-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1693225-03 01/09/24 09:12 • (DUP) R4021231-3 01/09/24 09:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	258	247	1	4.58		20
Alkalinity,Bicarbonate	258	247	1	4.58		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1693811-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-08 01/09/24 11:14 • (DUP) R4021231-4 01/09/24 11:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	2320	2320	1	0.128		20
Alkalinity,Bicarbonate	2320	2320	1	0.128		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) R4021231-1 01/09/24 08:53

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

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021328-2 01/09/24 12:08

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1693811-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-09 01/09/24 12:31 • (DUP) R4021328-3 01/09/24 12:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	441	442	1	0.136		20
Alkalinity,Bicarbonate	441	442	1	0.136		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1693811-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-22 01/09/24 14:23 • (DUP) R4021328-4 01/09/24 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	2810	2800	1	0.584		20
Alkalinity,Bicarbonate	2810	2800	1	0.584		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) R4021328-1 01/09/24 12:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	99.2	99.2	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021775-2 01/10/24 11:58

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/10/24 12:11 • (DUP) R4021775-3 01/10/24 12:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	341	342	1	0.280		20
Alkalinity,Bicarbonate	341	342	1	0.280		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1694553-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1694553-03 01/10/24 14:13 • (DUP) R4021775-4 01/10/24 14:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	124	124	1	0.276		20
Alkalinity,Bicarbonate	124	124	1	0.276		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) R4021775-1 01/10/24 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	97.1	97.1	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021391-1 01/09/24 15:05

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693811-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-01 01/09/24 16:03 • (DUP) R4021391-3 01/09/24 16:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	16.5	16.3	5	1.42		10

L1693811-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-09 01/09/24 16:11 • (DUP) R4021391-5 01/09/24 16:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	12.8	12.6	5	1.76		10

Laboratory Control Sample (LCS)

(LCS) R4021391-2 01/09/24 15:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.84	105	90.0-110	

L1693811-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693811-01 01/09/24 16:03 • (MS) R4021391-4 01/09/24 16:06

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	25.0	16.5	42.8	105	5	90.0-110	

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/09/24 16:11 • (MS) R4021391-7 01/09/24 16:14 • (MSD) R4021391-8 01/09/24 16:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	25.0	12.8	40.6	40.2	111	109	5	90.0-110	<u>J5</u>		1.05	10

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/09/24 16:11 • (MS) R4021391-7 01/09/24 16:14 • (MSD) R4021391-8 01/09/24 16:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
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Sample Narrative:

MS: [spike RPD correct between MS/MSD]

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021393-1 01/09/24 16:52

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

L1692630-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1692630-01 01/09/24 16:55 • (DUP) R4021393-3 01/09/24 16:57

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

Laboratory Control Sample (LCS)

(LCS) R4021393-2 01/09/24 16:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.69	103	90.0-110	

L1692630-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692630-01 01/09/24 16:55 • (MS) R4021393-4 01/09/24 16:58 • (MSD) R4021393-5 01/09/24 17:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	5.32	5.41	106	108	1	90.0-110			1.62	10

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021711-1 01/10/24 10:49

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1694492-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-10 01/10/24 11:36 • (DUP) R4021711-5 01/10/24 11:37

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

L1694492-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-12 01/10/24 11:42 • (DUP) R4021711-7 01/10/24 11:43

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

Laboratory Control Sample (LCS)

(LCS) R4021711-2 01/10/24 10:50

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.10	94.6	90.0-110	

L1694492-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-09 01/10/24 11:27 • (MS) R4021711-3 01/10/24 11:33 • (MSD) R4021711-4 01/10/24 11:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	4.96	4.89	99.3	97.8	1	90.0-110			1.52	10

L1694492-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694492-11 01/10/24 11:39 • (MS) R4021711-6 01/10/24 11:40

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	4.94	98.7	1	90.0-110	

Method Blank (MB)

(MB) R4021007-1 01/08/24 18:04

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693553-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1693553-04 01/08/24 18:24 • (DUP) R4021007-3 01/08/24 18:38

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

L1693811-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-02 01/08/24 19:18 • (DUP) R4021007-6 01/08/24 19:20

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

Laboratory Control Sample (LCS)

(LCS) R4021007-2 01/08/24 18:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.49	99.5	90.0-110	

L1693553-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693553-04 01/08/24 18:24 • (MS) R4021007-4 01/08/24 18:40 • (MSD) R4021007-5 01/08/24 18:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.41	2.43	96.4	97.0	1	90.0-110			0.662	20

L1693811-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693811-02 01/08/24 19:18 • (MS) R4021007-7 01/08/24 19:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	ND	2.56	102	1	90.0-110	

Method Blank (MB)

(MB) R4021008-1 01/08/24 19:39

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

L1693811-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-09 01/08/24 19:54 • (DUP) R4021008-3 01/08/24 19:56

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

L1693811-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-22 01/08/24 20:52 • (DUP) R4021008-7 01/08/24 20:54

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	5	0.000		20

Sample Narrative:

OS: Diluted due to color/leachate matrix

Laboratory Control Sample (LCS)

(LCS) R4021008-2 01/08/24 19:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.48	99.1	90.0-110	

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/08/24 19:54 • (MS) R4021008-4 01/08/24 19:58 • (MSD) R4021008-9 01/08/24 21:01

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.56	2.39	102	95.5	1	90.0-110			6.84	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693811-22 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693811-22 01/08/24 20:52 • (MS) R4021008-8 01/08/24 20:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Nitrate-Nitrite	2.50	ND	2.30	91.8	5	90.0-110	

Sample Narrative:

OS: Diluted due to color/leachate matrix

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4021653-1 01/10/24 10:22

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693870-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693870-01 01/10/24 10:31 • (DUP) R4021653-3 01/10/24 10:34

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

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/10/24 11:14 • (DUP) R4021653-6 01/10/24 11:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.321	0.317	1	1.25		20

Laboratory Control Sample (LCS)

(LCS) R4021653-2 01/10/24 10:25

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.51	100	90.0-110	

L1693870-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693870-01 01/10/24 10:31 • (MS) R4021653-4 01/10/24 10:36 • (MSD) R4021653-5 01/10/24 10:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.43	2.46	97.1	98.3	1	90.0-110			1.23	20

L1694492-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694492-01 01/10/24 11:14 • (MS) R4021653-7 01/10/24 11:30

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	0.321	2.72	95.8	1	90.0-110	

Method Blank (MB)

(MB) R4020596-1 01/07/24 17:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693811-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-01 01/07/24 17:17 • (DUP) R4020596-3 01/07/24 17:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

L1693811-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-17 01/07/24 18:02 • (DUP) R4020596-6 01/07/24 18:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	14.4	13.8	20	4.64		20

Laboratory Control Sample (LCS)

(LCS) R4020596-2 01/07/24 17:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.553	111	85.0-115	

L1693811-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-16 01/07/24 17:50 • (MS) R4020596-4 01/07/24 17:50 • (MSD) R4020596-5 01/07/24 18:02

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	2.50	ND	ND	ND	83.1	81.2	5	80.0-120			1.22	20

Method Blank (MB)

(MB) R4020656-1 01/08/24 08:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

1 Cp

2 Tc

3 Ss

L1693811-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-20 01/08/24 08:13 • (DUP) R4020656-3 01/08/24 08:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4020656-2 01/08/24 08:12

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.545	109	85.0-115	

6 Qc

7 Gl

8 Al

L1693811-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-22 01/08/24 08:52 • (MS) R4020656-6 01/08/24 08:52 • (MSD) R4020656-7 01/08/24 08:53

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	0.500	ND	ND	ND	56.6	72.4	1	80.0-120	J6	J6	18.2	20

9 Sc

Sample Narrative:

MS: Spike failure due to matrix interference

MSD: Spike failure due to matrix interferenc

Method Blank (MB)

(MB) R4021375-1 01/09/24 16:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

1 Cp

2 Tc

3 Ss

L1693811-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-25 01/09/24 16:41 • (DUP) R4021375-3 01/09/24 16:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	10	3.97		20

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4021375-2 01/09/24 16:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.484	96.8	85.0-115	

6 Qc

7 Gl

8 Al

L1693811-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-25 01/09/24 16:41 • (MS) R4021375-4 01/09/24 16:42 • (MSD) R4021375-5 01/09/24 16:43

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	5.00	ND	8.00	8.06	82.0	83.1	10	80.0-120			0.710	20

9 Sc

Method Blank (MB)

(MB) R4020948-1 01/08/24 16:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693737-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693737-01 01/08/24 16:58 • (DUP) R4020948-3 01/08/24 16:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	2.13		20

L1693811-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-01 01/08/24 17:01 • (DUP) R4020948-4 01/08/24 17:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4020948-2 01/08/24 16:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0997	99.7	87.1-120	

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/08/24 17:16 • (MS) R4020948-5 01/08/24 17:18 • (MSD) R4020948-6 01/08/24 17:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0910	0.0892	91.0	89.2	1	90.0-110		J6	2.00	20

Method Blank (MB)

(MB) R4021035-1 01/08/24 22:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1692885-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1692885-02 01/08/24 22:57 • (DUP) R4021035-3 01/08/24 22:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	5	0.000		20

Sample Narrative:

OS: Dilution due to matrix interference

L1693576-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693576-02 01/08/24 23:00 • (DUP) R4021035-4 01/08/24 23:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021035-2 01/08/24 22:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0970	97.0	87.1-120	

L1693896-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693896-01 01/08/24 23:18 • (MS) R4021035-5 01/08/24 23:20

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Cyanide	0.100	ND	0.0976	95.2	1	90.0-110	

Method Blank (MB)

(MB) R4021849-1 01/10/24 17:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694492-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-06 01/10/24 18:29 • (DUP) R4021849-7 01/10/24 18:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1694492-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-10 01/10/24 18:36 • (DUP) R4021849-8 01/10/24 18:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4021849-2 01/10/24 17:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0941	94.1	87.1-120	

L1694301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694301-02 01/10/24 18:10 • (MS) R4021849-3 01/10/24 18:11 • (MSD) R4021849-4 01/10/24 18:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0877	0.0815	87.7	81.5	1	90.0-110	J6	J6	7.33	20

Sample Narrative:

MS: Spike failure due to matrix interference

MSD: Spike failure due to matrix interference

L1694492-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-03 01/10/24 18:19 • (MS) R4021849-5 01/10/24 18:20 • (MSD) R4021849-6 01/10/24 18:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits
Cyanide	0.100	ND	0.0877	0.0798	87.7	79.8	1	90.0-110	<u>J6</u>	<u>J6</u>	9.43	20

Sample Narrative:

- MS: Spike failure due to matrix interference
- MSD: Spike failure due to matrix interference

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022875-1 01/06/24 10:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	0.196		0.0519	1.00
Sulfate	0.215		0.0774	5.00

L1693811-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-09 01/06/24 19:45 • (DUP) R4022875-3 01/06/24 19:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	114	113	1	0.285		15
Sulfate	41.3	41.0	1	0.823		15

L1693811-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1693811-20 01/06/24 23:10 • (DUP) R4022875-6 01/06/24 23:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	621	609	10	1.97		15
Sulfate	242	236	10	2.81		15

Laboratory Control Sample (LCS)

(LCS) R4022875-2 01/06/24 10:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	43.6	109	80.0-120	
Sulfate	40.0	41.1	103	80.0-120	

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/06/24 19:45 • (MS) R4022875-4 01/06/24 20:10 • (MSD) R4022875-5 01/06/24 20:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	114	135	134	52.9	51.6	1	80.0-120	J6	J6	0.393	15
Sulfate	40.0	41.3	76.2	76.0	87.1	86.7	1	80.0-120			0.232	15

Sample Narrative:

MS: spike failed due to high parent hit

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/06/24 19:45 • (MS) R4022875-4 01/06/24 20:10 • (MSD) R4022875-5 01/06/24 20:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
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MSD: spike failed due to high parent hit

L1693811-20 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693811-20 01/06/24 23:10 • (MS) R4022875-7 01/06/24 23:36

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	621	460	0.000	10	80.0-120	∨
Sulfate	40.0	242	197	0.000	10	80.0-120	∨

Sample Narrative:

MS: CL spike failed due to high parent hit

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4021105-2 01/08/24 10:20

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1692854-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1692854-01 01/08/24 13:17 • (DUP) R4021105-5 01/08/24 21:07

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	mg/l	mg/l	%	%		%
Chloride	4.90	4.69	1	4.38		15
Sulfate	40.2	37.6	1	6.88		15

Laboratory Control Sample (LCS)

(LCS) R4021105-3 01/08/24 10:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	mg/l	mg/l	%	%	
Chloride	40.0	40.3	101	80.0-120	
Sulfate	40.0	40.1	100	80.0-120	

L1692854-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1692854-01 01/08/24 13:17 • (MS) R4021105-6 01/08/24 21:20 • (MSD) R4021105-7 01/08/24 21:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	40.0	4.90	43.6	43.6	96.7	96.8	1	80.0-120			0.142	15
Sulfate	40.0	40.2	68.5	68.9	70.7	71.6	1	80.0-120	J6	J6	0.495	15

Sample Narrative:

MS: SO4 spike failed due to sample matrix

MSD: SO4 spike failed due to sample matrix

Method Blank (MB)

(MB) R4021340-1 01/08/24 14:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	ND		0.0519	1.00
Sulfate	0.237		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693870-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693870-01 01/08/24 23:40 • (DUP) R4021340-3 01/08/24 23:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	73.9	73.9	1	0.00474		15
Sulfate	ND	ND	1	1.57		15

L1694009-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1694009-02 01/09/24 05:14 • (DUP) R4021340-5 01/09/24 05:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	ND	ND	1	0.205		15
Sulfate	ND	ND	1	0.149		15

Laboratory Control Sample (LCS)

(LCS) R4021340-2 01/08/24 14:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	
Sulfate	40.0	38.5	96.2	80.0-120	

L1693870-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1693870-01 01/08/24 23:40 • (MS) R4021340-4 01/09/24 00:11

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Chloride	40.0	73.9	98.0	60.2	1	80.0-120	J6
Sulfate	40.0	ND	38.2	85.4	1	80.0-120	

L1694009-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694009-02 01/09/24 05:14 • (MS) R4021340-6 01/09/24 05:45 • (MSD) R4021340-7 01/09/24 06:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40.0	ND	39.6	40.0	96.8	97.9	1	80.0-120			1.10	15
Sulfate	40.0	ND	38.5	38.9	91.7	92.8	1	80.0-120			1.11	15

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4021982-1 01/09/24 09:28

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1693553-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1693553-04 01/09/24 11:57 • (DUP) R4021982-3 01/09/24 12:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	86.5	86.2	10	0.294		15
Sulfate	373	375	10	0.436		15

L1694205-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1694205-05 01/09/24 17:04 • (DUP) R4021982-6 01/09/24 17:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	14.9	14.7	1	1.35		15
Sulfate	6.65	6.60	1	0.810		15

Laboratory Control Sample (LCS)

(LCS) R4021982-2 01/09/24 09:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	40.5	101	80.0-120	
Sulfate	40.0	39.1	97.7	80.0-120	

L1693553-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693553-04 01/09/24 11:57 • (MS) R4021982-4 01/09/24 12:22 • (MSD) R4021982-5 01/09/24 12:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	86.5	97.7	96.7	28.1	25.6	10	80.0-120	<u>J6</u>	<u>J6</u>	1.04	15
Sulfate	40.0	373	297	296	0.000	0.000	10	80.0-120	<u>V</u>	<u>V</u>	0.404	15

Sample Narrative:

MS: Spike failure due to matrix interference

L1693553-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693553-04 01/09/24 11:57 • (MS) R4021982-4 01/09/24 12:22 • (MSD) R4021982-5 01/09/24 12:34

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
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MSD: Spike failure due to matrix interference

L1694205-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1694205-05 01/09/24 17:04 • (MS) R4021982-7 01/09/24 17:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	14.9	51.9	92.4	1	80.0-120	
Sulfate	40.0	6.65	44.9	95.5	1	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021542-1 01/09/24 09:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	ND		0.0519	1.00
Sulfate	0.216		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694216-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694216-01 01/09/24 15:37 • (DUP) R4021542-3 01/09/24 16:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	18.0	17.5	1	2.63		15
Sulfate	31.2	31.2	1	0.0163		15

Laboratory Control Sample (LCS)

(LCS) R4021542-2 01/09/24 09:49

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	42.5	106	80.0-120	
Sulfate	40.0	40.2	100	80.0-120	

L1694216-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694216-01 01/09/24 15:37 • (MS) R4021542-5 01/09/24 16:58 • (MSD) R4021542-6 01/09/24 17:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	18.0	58.9	59.1	102	103	1	80.0-120			0.434	15
Sulfate	40.0	31.2	68.3	67.9	92.9	91.9	1	80.0-120			0.603	15

Method Blank (MB)

(MB) R4020926-2 01/07/24 15:35

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693641-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1693641-01 01/07/24 19:49 • (DUP) R4020926-3 01/07/24 20:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	39.5	39.5	1	0.0507		20

L1693652-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1693652-02 01/07/24 22:12 • (DUP) R4020926-6 01/07/24 22:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.86	1.85	1	0.701		20

Laboratory Control Sample (LCS)

(LCS) R4020926-1 01/07/24 15:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	23.7	94.9	85.0-115	

L1693652-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693652-01 01/07/24 20:32 • (MS) R4020926-4 01/07/24 20:55 • (MSD) R4020926-5 01/07/24 21:16

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	2.87	25.5	25.6	90.4	91.0	1	85.0-115			0.548	20

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/08/24 00:42 • (MS) R4020926-7 01/08/24 01:04 • (MSD) R4020926-8 01/08/24 02:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	11.3	35.1	35.0	95.2	95.0	1	85.0-115			0.200	20

Method Blank (MB)

(MB) R4021280-2 01/09/24 02:04

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1690096-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1690096-01 01/09/24 04:46 • (DUP) R4021280-5 01/09/24 05:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.43	1.89	1	24.8	P1	20

L1690285-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1690285-01 01/09/24 06:57 • (DUP) R4021280-6 01/09/24 07:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	12.5		20

Laboratory Control Sample (LCS)

(LCS) R4021280-1 01/09/24 01:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	23.6	94.5	85.0-115	

L1689977-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1689977-02 01/09/24 03:08 • (MS) R4021280-3 01/09/24 03:29 • (MSD) R4021280-4 01/09/24 03:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.9	24.7	96.6	95.9	1	85.0-115			0.686	20

L1690285-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1690285-03 01/09/24 07:53 • (MS) R4021280-7 01/09/24 08:15 • (MSD) R4021280-8 01/09/24 08:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	23.8	23.8	94.5	94.9	1	85.0-115			0.378	20

Method Blank (MB)

(MB) R4021529-2 01/09/24 13:23

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693136-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1693136-19 01/09/24 17:09 • (DUP) R4021529-3 01/09/24 17:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.34	2.41	1	2.95		20

L1693136-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1693136-21 01/09/24 19:23 • (DUP) R4021529-6 01/09/24 19:42

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.29	2.18	1	4.89		20

Laboratory Control Sample (LCS)

(LCS) R4021529-1 01/09/24 13:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	25.6	102	85.0-115	

L1693136-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693136-20 01/09/24 17:45 • (MS) R4021529-4 01/09/24 18:06 • (MSD) R4021529-5 01/09/24 18:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	1.25	26.5	26.5	101	101	1	85.0-115			0.264	20

L1693423-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693423-04 01/09/24 21:23 • (MS) R4021529-7 01/09/24 21:45 • (MSD) R4021529-8 01/09/24 22:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	9.10	34.5	34.3	102	101	1	85.0-115			0.639	20

Method Blank (MB)

(MB) R4022391-2 01/11/24 11:12

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1694492-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-01 01/11/24 15:13 • (DUP) R4022391-3 01/11/24 15:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	4.27		20

L1694492-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1694492-05 01/11/24 18:06 • (DUP) R4022391-6 01/11/24 18:25

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.28	1.35	1	5.34		20

Laboratory Control Sample (LCS)

(LCS) R4022391-1 01/11/24 10:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	23.6	94.4	85.0-115	

L1694492-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-02 01/11/24 15:47 • (MS) R4022391-4 01/11/24 16:50 • (MSD) R4022391-5 01/11/24 17:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.5	24.4	98.1	97.6	1	85.0-115			0.450	20

L1694492-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694492-06 01/11/24 18:42 • (MS) R4022391-7 01/11/24 19:05 • (MSD) R4022391-8 01/11/24 19:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.8	25.0	98.2	98.9	1	85.0-115			0.683	20

Method Blank (MB)

(MB) R4020959-1 01/08/24 16:12

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4020959-2 01/08/24 16:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00270	90.2	80.0-120	

4 Cn

5 Sr

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/08/24 16:22 • (MS) R4020959-3 01/08/24 16:24 • (MSD) R4020959-4 01/08/24 16:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00240	0.00233	80.0	77.7	1	75.0-125			2.93	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4020981-2 01/08/24 18:40

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4020981-3 01/08/24 18:42

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00280	93.2	80.0-120	

4 Cn

5 Sr

L1693814-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693814-10 01/08/24 18:45 • (MS) R4020981-4 01/08/24 18:47 • (MSD) R4020981-5 01/08/24 18:49

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00281	0.00287	93.5	95.6	1	75.0-125			2.18	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022563-1 01/12/24 13:12

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4022563-2 01/12/24 13:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00321	107	80.0-120	

4 Cn

5 Sr

L1694301-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694301-02 01/12/24 13:16 • (MS) R4022563-3 01/12/24 13:18 • (MSD) R4022563-4 01/12/24 13:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00330	0.00340	110	113	1	75.0-125			2.99	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021069-1 01/08/24 20:19

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	0.165		0.102	1.00
Magnesium, Total Recoverable	0.0277		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.0855		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021069-2 01/08/24 20:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.180	89.9	80.0-120	
Barium, Total Recoverable	1.00	1.02	102	80.0-120	
Calcium, Total Recoverable	10.0	10.2	102	80.0-120	
Iron, Total Recoverable	10.0	9.84	98.4	80.0-120	
Potassium, Total Recoverable	10.0	9.66	96.6	80.0-120	
Magnesium, Total Recoverable	10.0	9.52	95.2	80.0-120	
Manganese, Total Recoverable	1.00	0.992	99.2	80.0-120	
Sodium, Total Recoverable	10.0	9.48	94.8	80.0-120	
Lead, Total Recoverable	1.00	0.934	93.4	80.0-120	
Selenium, Total Recoverable	1.00	0.947	94.7	80.0-120	
Tin, Total Recoverable	1.00	0.994	99.4	80.0-120	

L1693553-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693553-04 01/08/24 20:25 • (MS) R4021069-4 01/08/24 20:30 • (MSD) R4021069-5 01/08/24 20:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.186	0.188	93.0	93.8	1	75.0-125			0.802	20
Barium, Total Recoverable	1.00	0.0288	1.05	1.05	102	102	1	75.0-125			0.445	20
Calcium, Total Recoverable	10.0	82.4	90.1	90.7	77.7	83.9	1	75.0-125			0.682	20
Iron, Total Recoverable	10.0	34.8	43.2	43.6	84.0	87.9	1	75.0-125			0.891	20
Potassium, Total Recoverable	10.0	3.34	13.4	13.5	101	101	1	75.0-125			0.323	20

L1693553-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693553-04 01/08/24 20:25 • (MS) R4021069-4 01/08/24 20:30 • (MSD) R4021069-5 01/08/24 20:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Magnesium, Total Recoverable	10.0	21.0	29.7	29.8	86.9	87.7	1	75.0-125			0.263	20
Manganese, Total Recoverable	1.00	1.62	2.58	2.60	95.5	97.9	1	75.0-125			0.943	20
Sodium, Total Recoverable	10.0	165	169	169	37.3	42.9	1	75.0-125	√	√	0.330	20
Lead, Total Recoverable	1.00	0.00675	0.955	0.956	94.8	94.9	1	75.0-125			0.121	20
Selenium, Total Recoverable	1.00	ND	1.04	1.03	104	103	1	75.0-125			0.329	20
Tin, Total Recoverable	1.00	ND	0.987	1.00	98.7	100	1	75.0-125			1.72	20

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

Method Blank (MB)

(MB) R4021428-1 01/09/24 16:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	0.0496		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	0.00146	↓	0.00120	0.0100
Sodium, Total Recoverable	0.0944		0.0111	1.00
Lead, Total Recoverable	0.00245		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4021428-2 01/09/24 16:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.194	96.9	80.0-120	
Barium, Total Recoverable	1.00	1.02	102	80.0-120	
Calcium, Total Recoverable	10.0	9.75	97.5	80.0-120	
Iron, Total Recoverable	10.0	9.78	97.8	80.0-120	
Potassium, Total Recoverable	10.0	9.81	98.1	80.0-120	
Magnesium, Total Recoverable	10.0	9.14	91.4	80.0-120	
Manganese, Total Recoverable	1.00	0.970	97.0	80.0-120	
Sodium, Total Recoverable	10.0	10.0	100	80.0-120	
Lead, Total Recoverable	1.00	0.972	97.2	80.0-120	
Selenium, Total Recoverable	1.00	0.994	99.4	80.0-120	
Tin, Total Recoverable	1.00	0.985	98.5	80.0-120	

L1693822-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693822-02 01/09/24 16:51 • (MS) R4021428-4 01/09/24 16:57 • (MSD) R4021428-5 01/09/24 16:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.195	0.198	97.7	99.2	1	75.0-125			1.59	20
Barium, Total Recoverable	1.00	0.0733	1.08	1.09	101	102	1	75.0-125			1.35	20
Calcium, Total Recoverable	10.0	64.3	73.9	74.0	95.4	96.5	1	75.0-125			0.152	20
Iron, Total Recoverable	10.0	4.17	15.2	16.1	110	120	1	75.0-125			6.32	20
Potassium, Total Recoverable	10.0	6.39	16.1	16.2	96.8	98.3	1	75.0-125			0.932	20

L1693822-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693822-02 01/09/24 16:51 • (MS) R4021428-4 01/09/24 16:57 • (MSD) R4021428-5 01/09/24 16:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Magnesium, Total Recoverable	10.0	13.6	23.0	23.2	93.6	96.0	1	75.0-125			1.04	20
Manganese, Total Recoverable	1.00	0.148	1.09	1.11	94.2	96.4	1	75.0-125			1.99	20
Sodium, Total Recoverable	10.0	136	143	144	67.8	78.3	1	75.0-125	V		0.729	20
Lead, Total Recoverable	1.00	0.00596	1.01	1.01	100	99.9	1	75.0-125			0.0216	20
Selenium, Total Recoverable	1.00	ND	1.01	1.03	101	103	1	75.0-125			1.91	20
Tin, Total Recoverable	1.00	ND	0.965	0.973	96.5	97.3	1	75.0-125			0.747	20

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

Method Blank (MB)

(MB) R4022072-1 01/11/24 11:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	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	0.00165	↓	0.00120	0.0100
Sodium, Total Recoverable	0.0428		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4022072-2 01/11/24 11:16

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Silver, Total Recoverable	0.200	0.191	95.3	80.0-120	
Barium, Total Recoverable	1.00	0.995	99.5	80.0-120	
Calcium, Total Recoverable	10.0	9.75	97.5	80.0-120	
Iron, Total Recoverable	10.0	9.50	95.0	80.0-120	
Potassium, Total Recoverable	10.0	9.41	94.1	80.0-120	
Magnesium, Total Recoverable	10.0	9.26	92.6	80.0-120	
Manganese, Total Recoverable	1.00	0.955	95.5	80.0-120	
Sodium, Total Recoverable	10.0	9.70	97.0	80.0-120	
Lead, Total Recoverable	1.00	0.941	94.1	80.0-120	
Selenium, Total Recoverable	1.00	0.943	94.3	80.0-120	
Tin, Total Recoverable	1.00	0.959	95.9	80.0-120	

L1694698-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694698-04 01/11/24 11:19 • (MS) R4022072-4 01/11/24 11:24 • (MSD) R4022072-5 01/11/24 11:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Silver, Total Recoverable	0.200	ND	0.196	0.196	97.8	98.0	1	75.0-125			0.161	20
Barium, Total Recoverable	1.00	0.0535	1.05	1.06	99.9	100	1	75.0-125			0.376	20
Calcium, Total Recoverable	10.0	84.8	93.5	93.0	87.5	81.9	1	75.0-125			0.596	20
Iron, Total Recoverable	10.0	ND	9.69	9.80	96.6	97.6	1	75.0-125			1.07	20
Potassium, Total Recoverable	10.0	ND	10.8	10.7	95.3	94.8	1	75.0-125			0.378	20

L1694698-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694698-04 01/11/24 11:19 • (MS) R4022072-4 01/11/24 11:24 • (MSD) R4022072-5 01/11/24 11:27

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 %
Magnesium, Total Recoverable	10.0	7.29	16.5	16.3	92.3	90.5	1	75.0-125			1.14	20
Manganese, Total Recoverable	1.00	0.192	1.59	2.16	140	197	1	75.0-125	J5	J3 J5	30.3	20
Sodium, Total Recoverable	10.0	ND	11.3	11.3	97.6	97.5	1	75.0-125			0.156	20
Lead, Total Recoverable	1.00	ND	0.956	0.955	95.6	95.5	1	75.0-125			0.173	20
Selenium, Total Recoverable	1.00	ND	0.966	0.967	96.6	96.7	1	75.0-125			0.115	20
Tin, Total Recoverable	1.00	ND	0.953	0.950	95.3	95.0	1	75.0-125			0.344	20

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

Method Blank (MB)

(MB) R4025497-1 01/23/24 16:21

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	0.000756		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.000916		0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4025497-6 01/23/24 17:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0520	104	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0553	111	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0537	107	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0537	107	80.0-120	
Chromium, Total Recoverable	0.0500	0.0531	106	80.0-120	
Copper, Total Recoverable	0.0500	0.0518	104	80.0-120	
Nickel, Total Recoverable	0.0500	0.0536	107	80.0-120	
Antimony, Total Recoverable	0.0500	0.0570	114	80.0-120	
Thallium, Total Recoverable	0.0500	0.0532	106	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0518	104	80.0-120	
Zinc, Total Recoverable	0.0500	0.0495	99.0	80.0-120	

L1693683-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693683-02 01/23/24 16:28 • (MS) R4025497-4 01/23/24 16:34 • (MSD) R4025497-5 01/23/24 16:38

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	ND	0.0615	0.0608	122	121	1	75.0-125			1.10	20
Beryllium, Total Recoverable	0.0500	ND	0.0654	0.0685	131	137	1	75.0-125	J5	J5	4.63	20
Cadmium, Total Recoverable	0.0500	ND	0.0629	0.0646	126	129	1	75.0-125	J5	J5	2.57	20
Cobalt, Total Recoverable	0.0500	ND	0.0611	0.0618	122	123	1	75.0-125			1.15	20
Chromium, Total Recoverable	0.0500	ND	0.0621	0.0617	124	123	1	75.0-125			0.740	20

L1693683-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693683-02 01/23/24 16:28 • (MS) R4025497-4 01/23/24 16:34 • (MSD) R4025497-5 01/23/24 16:38

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 %
Copper, Total Recoverable	0.0500	0.00750	0.0679	0.0672	121	119	1	75.0-125			1.13	20
Nickel, Total Recoverable	0.0500	ND	0.0605	0.0612	121	122	1	75.0-125			1.02	20
Antimony, Total Recoverable	0.0500	ND	0.0671	0.0681	134	136	1	75.0-125	J5	J5	1.46	20
Thallium, Total Recoverable	0.0500	ND	0.0625	0.0621	125	124	1	75.0-125			0.677	20
Vanadium, Total Recoverable	0.0500	ND	0.0638	0.0635	123	122	1	75.0-125			0.583	20
Zinc, Total Recoverable	0.0500	0.0189	0.0764	0.0757	115	114	1	75.0-125			0.866	20

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

Method Blank (MB)

(MB) R4026751-1 01/26/24 15:27

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4026751-3 01/26/24 16:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0541	108	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0523	105	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0551	110	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0539	108	80.0-120	
Chromium, Total Recoverable	0.0500	0.0534	107	80.0-120	
Copper, Total Recoverable	0.0500	0.0540	108	80.0-120	
Nickel, Total Recoverable	0.0500	0.0556	111	80.0-120	
Antimony, Total Recoverable	0.0500	0.0557	111	80.0-120	
Thallium, Total Recoverable	0.0500	0.0508	102	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0538	108	80.0-120	
Zinc, Total Recoverable	0.0500	0.0537	107	80.0-120	

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/26/24 16:08 • (MS) R4026751-5 01/26/24 16:14 • (MSD) R4026751-6 01/26/24 16:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	0.0281	0.0823	0.0817	108	107	1	75.0-125			0.732	20
Beryllium, Total Recoverable	0.0500	ND	0.0531	0.0534	106	107	1	75.0-125			0.574	20
Cadmium, Total Recoverable	0.0500	ND	0.0534	0.0536	107	107	1	75.0-125			0.296	20
Cobalt, Total Recoverable	0.0500	0.00642	0.0594	0.0581	106	103	1	75.0-125			2.22	20
Chromium, Total Recoverable	0.0500	ND	0.0520	0.0520	104	104	1	75.0-125			0.105	20

L1693811-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693811-09 01/26/24 16:08 • (MS) R4026751-5 01/26/24 16:14 • (MSD) R4026751-6 01/26/24 16:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500	ND	0.0550	0.0537	110	107	1	75.0-125			2.48	20
Nickel, Total Recoverable	0.0500	0.00749	0.0601	0.0594	105	104	1	75.0-125			1.25	20
Antimony, Total Recoverable	0.0500	ND	0.0552	0.0564	110	113	1	75.0-125			2.03	20
Thallium, Total Recoverable	0.0500	ND	0.0507	0.0512	101	102	1	75.0-125			0.934	20
Vanadium, Total Recoverable	0.0500	ND	0.0523	0.0520	105	104	1	75.0-125			0.686	20
Zinc, Total Recoverable	0.0500	ND	0.0544	0.0538	101	100	1	75.0-125			1.11	20

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

Method Blank (MB)

(MB) R4022861-1 01/13/24 17:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Total Recoverable	ND		0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Cobalt, Total Recoverable	ND		0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.00178	J	0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4022861-2 01/13/24 17:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0517	103	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0476	95.3	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0532	106	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0523	105	80.0-120	
Chromium, Total Recoverable	0.0500	0.0528	106	80.0-120	
Copper, Total Recoverable	0.0500	0.0461	92.2	80.0-120	
Nickel, Total Recoverable	0.0500	0.0516	103	80.0-120	
Antimony, Total Recoverable	0.0500	0.0548	110	80.0-120	
Thallium, Total Recoverable	0.0500	0.0520	104	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0526	105	80.0-120	
Zinc, Total Recoverable	0.0500	0.0506	101	80.0-120	

L1694698-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694698-01 01/13/24 17:53 • (MS) R4022861-4 01/13/24 18:00 • (MSD) R4022861-5 01/13/24 18:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	ND	0.0524	0.0543	102	106	1	75.0-125			3.64	20
Beryllium, Total Recoverable	0.0500	ND	0.0504	0.0486	101	97.2	1	75.0-125			3.63	20
Cadmium, Total Recoverable	0.0500	ND	0.0527	0.0536	105	107	1	75.0-125			1.64	20
Cobalt, Total Recoverable	0.0500	ND	0.0511	0.0535	101	105	1	75.0-125			4.67	20
Chromium, Total Recoverable	0.0500	ND	0.0531	0.0542	106	108	1	75.0-125			2.00	20

L1694698-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694698-01 01/13/24 17:53 • (MS) R4022861-4 01/13/24 18:00 • (MSD) R4022861-5 01/13/24 18:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500	ND	0.0498	0.0504	91.6	92.8	1	75.0-125			1.28	20
Nickel, Total Recoverable	0.0500	ND	0.0504	0.0524	97.9	102	1	75.0-125			3.91	20
Antimony, Total Recoverable	0.0500	ND	0.0551	0.0573	110	115	1	75.0-125			3.84	20
Thallium, Total Recoverable	0.0500	ND	0.0523	0.0524	104	105	1	75.0-125			0.211	20
Vanadium, Total Recoverable	0.0500	ND	0.0530	0.0543	106	109	1	75.0-125			2.38	20
Zinc, Total Recoverable	0.0500	ND	0.0524	0.0535	95.4	97.5	1	75.0-125			2.04	20

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

Method Blank (MB)

(MB) R4021099-4 01/07/24 10:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	1.19		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND	11	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	0.208		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021099-4 01/07/24 10:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	106			80.0-120
(S) 1,2-Dichloroethane-d4	126			70.0-130
(S) 4-Bromofluorobenzene	85.8			77.0-126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4021099-1 01/07/24 09:19 • (LCSD) R4021099-2 01/07/24 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.68	4.58	93.6	91.6	75.0-125			2.16	20
1,1,1-Trichloroethane	5.00	4.71	5.00	94.2	100	73.0-124			5.97	20
1,1,2,2-Tetrachloroethane	5.00	4.41	4.55	88.2	91.0	65.0-130			3.13	20
1,1,2-Trichloroethane	5.00	5.02	4.43	100	88.6	80.0-120			12.5	20
1,1-Dichloroethane	5.00	5.10	4.77	102	95.4	70.0-126			6.69	20
1,1-Dichloroethene	5.00	4.67	4.46	93.4	89.2	71.0-124			4.60	20
1,1-Dichloropropene	5.00	4.38	4.39	87.6	87.8	74.0-126			0.228	20
1,2,3-Trichloropropane	5.00	4.93	5.18	98.6	104	73.0-130			4.95	20
1,2-Dibromo-3-Chloropropane	5.00	2.91	3.20	58.2	64.0	58.0-134			9.49	20

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

(LCS) R4021099-1 01/07/24 09:19 • (LCSD) R4021099-2 01/07/24 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	4.54	4.34	90.8	86.8	80.0-122			4.50	20
1,2-Dichlorobenzene	5.00	4.60	4.32	92.0	86.4	79.0-121			6.28	20
1,2-Dichloroethane	5.00	5.39	5.19	108	104	70.0-128			3.78	20
1,2-Dichloropropane	5.00	5.15	5.21	103	104	77.0-125			1.16	20
1,3-Dichlorobenzene	5.00	4.79	4.62	95.8	92.4	79.0-120			3.61	20
1,3-Dichloropropane	5.00	4.29	4.20	85.8	84.0	80.0-120			2.12	20
1,4-Dichlorobenzene	5.00	4.84	4.83	96.8	96.6	79.0-120			0.207	20
2,2-Dichloropropane	5.00	4.40	4.42	88.0	88.4	58.0-130			0.454	20
2-Butanone (MEK)	25.0	21.4	21.0	85.6	84.0	44.0-160			1.89	20
2-Hexanone	25.0	18.0	17.5	72.0	70.0	67.0-149			2.82	20
4-Methyl-2-pentanone (MIBK)	25.0	23.2	23.1	92.8	92.4	68.0-142			0.432	20
Acetone	25.0	23.2	23.4	92.8	93.6	19.0-160			0.858	27
Acrolein	25.0	23.1	23.7	92.4	94.8	10.0-160			2.56	26
Acrylonitrile	25.0	25.8	24.8	103	99.2	55.0-149			3.95	20
Allyl chloride	25.0	23.0	22.9	92.0	91.6	72.0-128			0.436	23
Benzene	5.00	4.54	4.41	90.8	88.2	70.0-123			2.91	20
Bromochloromethane	5.00	5.45	5.15	109	103	76.0-122			5.66	20
Bromodichloromethane	5.00	5.19	4.93	104	98.6	75.0-120			5.14	20
Bromoform	5.00	4.77	4.43	95.4	88.6	68.0-132			7.39	20
Bromomethane	5.00	11.2	10.2	224	204	10.0-160	J4	J4	9.35	25
Carbon disulfide	5.00	4.17	4.16	83.4	83.2	61.0-128			0.240	20
Carbon tetrachloride	5.00	4.99	4.88	99.8	97.6	68.0-126			2.23	20
Chlorobenzene	5.00	4.67	4.60	93.4	92.0	80.0-121			1.51	20
Chloroethane	5.00	6.11	5.92	122	118	47.0-150			3.16	20
Chloroform	5.00	5.02	4.96	100	99.2	73.0-120			1.20	20
Chloromethane	5.00	6.91	6.64	138	133	41.0-142			3.99	20
Dibromochloromethane	5.00	4.90	4.53	98.0	90.6	77.0-125			7.85	20
Dibromomethane	5.00	4.84	5.06	96.8	101	80.0-120			4.44	20
Dichlorodifluoromethane	5.00	4.35	4.76	87.0	95.2	51.0-149			9.00	20
Ethylbenzene	5.00	4.64	4.43	92.8	88.6	79.0-123			4.63	20
Iodomethane	25.0	44.8	45.1	179	180	33.0-147	J4	J4	0.667	26
Methylene Chloride	5.00	4.82	4.86	96.4	97.2	67.0-120			0.826	20
Styrene	5.00	3.96	3.75	79.2	75.0	73.0-130			5.45	20
Tetrachloroethene	5.00	4.99	4.94	99.8	98.8	72.0-132			1.01	20
Toluene	5.00	4.31	4.19	86.2	83.8	79.0-120			2.82	20
Trichloroethene	5.00	4.70	4.86	94.0	97.2	78.0-124			3.35	20
Trichlorofluoromethane	5.00	5.98	5.75	120	115	59.0-147			3.92	20
Vinyl acetate	25.0	27.1	31.3	108	125	11.0-160			14.4	20
Vinyl chloride	5.00	5.46	5.48	109	110	67.0-131			0.366	20
Xylenes, Total	15.0	13.4	12.5	89.3	83.3	79.0-123			6.95	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4021099-1 01/07/24 09:19 • (LCSD) R4021099-2 01/07/24 09:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	4.73	4.62	94.6	92.4	73.0-120			2.35	20
cis-1,3-Dichloropropene	5.00	4.30	4.40	86.0	88.0	80.0-123			2.30	20
trans-1,2-Dichloroethene	5.00	4.71	4.82	94.2	96.4	73.0-120			2.31	20
trans-1,3-Dichloropropene	5.00	4.07	4.38	81.4	87.6	78.0-124			7.34	20
trans-1,4-Dichloro-2-butene	5.00	6.07	5.94	121	119	33.0-144			2.16	20
(S) Toluene-d8				103	104	80.0-120				
(S) 1,2-Dichloroethane-d4				119	117	70.0-130				
(S) 4-Bromofluorobenzene				87.5	86.9	77.0-126				

Laboratory Control Sample (LCS)

(LCS) R4021099-3 01/07/24 10:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	505	101	40.0-160	
Chloroprene	50.0	54.3	108	60.0-143	
Ethyl methacrylate	50.0	42.6	85.3	72.0-129	
Isobutanol	1000	979	97.9	40.0-160	
Methacrylonitrile	500	466	93.3	61.0-145	
Methyl methacrylate	50.0	55.4	111	63.0-149	
Propionitrile	500	534	107	49.0-160	
(S) Toluene-d8			107	80.0-120	
(S) 1,2-Dichloroethane-d4			119	70.0-130	
(S) 4-Bromofluorobenzene			86.3	77.0-126	

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

Method Blank (MB)

(MB) R4022130-5 01/08/24 10:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	0.114	11	0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022130-5 01/08/24 10:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	14.7		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	108			80.0-120
(S) 1,2-Dichloroethane-d4	120			70.0-130
(S) 4-Bromofluorobenzene	86.9			77.0-126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4022130-1 01/08/24 09:10 • (LCSD) R4022130-2 01/08/24 09:31

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	4.81	4.89	96.2	97.8	75.0-125			1.65	20
1,1,1-Trichloroethane	5.00	4.82	4.93	96.4	98.6	73.0-124			2.26	20
1,1,2,2-Tetrachloroethane	5.00	4.75	4.76	95.0	95.2	65.0-130			0.210	20
1,1,2-Trichloroethane	5.00	4.91	5.02	98.2	100	80.0-120			2.22	20
1,1-Dichloroethane	5.00	4.75	4.97	95.0	99.4	70.0-126			4.53	20
1,1-Dichloroethene	5.00	4.47	4.58	89.4	91.6	71.0-124			2.43	20
1,1-Dichloropropene	5.00	4.36	4.63	87.2	92.6	74.0-126			6.01	20
1,2,3-Trichloropropane	5.00	5.42	5.26	108	105	73.0-130			3.00	20
1,2-Dibromo-3-Chloropropane	5.00	3.93	3.88	78.6	77.6	58.0-134			1.28	20

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

(LCS) R4022130-1 01/08/24 09:10 • (LCSD) R4022130-2 01/08/24 09:31

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	5.14	5.14	103	103	80.0-122			0.000	20
1,2-Dichlorobenzene	5.00	4.74	4.70	94.8	94.0	79.0-121			0.847	20
1,2-Dichloroethane	5.00	5.42	5.50	108	110	70.0-128			1.47	20
1,2-Dichloropropane	5.00	4.72	4.94	94.4	98.8	77.0-125			4.55	20
1,3-Dichlorobenzene	5.00	4.65	4.71	93.0	94.2	79.0-120			1.28	20
1,3-Dichloropropane	5.00	4.71	4.76	94.2	95.2	80.0-120			1.06	20
1,4-Dichlorobenzene	5.00	4.56	4.75	91.2	95.0	79.0-120			4.08	20
2,2-Dichloropropane	5.00	3.81	4.11	76.2	82.2	58.0-130			7.58	20
2-Butanone (MEK)	25.0	27.0	25.5	108	102	44.0-160			5.71	20
2-Hexanone	25.0	24.2	24.7	96.8	98.8	67.0-149			2.04	20
4-Methyl-2-pentanone (MIBK)	25.0	29.6	29.9	118	120	68.0-142			1.01	20
Acetone	25.0	24.2	24.8	96.8	99.2	19.0-160			2.45	27
Acrolein	25.0	23.9	22.9	95.6	91.6	10.0-160			4.27	26
Acrylonitrile	25.0	26.5	29.7	106	119	55.0-149			11.4	20
Allyl chloride	25.0	22.2	23.0	88.8	92.0	72.0-128			3.54	23
Benzene	5.00	4.38	4.56	87.6	91.2	70.0-123			4.03	20
Bromochloromethane	5.00	5.57	5.38	111	108	76.0-122			3.47	20
Bromodichloromethane	5.00	4.87	4.94	97.4	98.8	75.0-120			1.43	20
Bromoform	5.00	4.91	5.30	98.2	106	68.0-132			7.64	20
Bromomethane	5.00	8.64	8.72	173	174	10.0-160	J4	J4	0.922	25
Carbon disulfide	5.00	4.26	4.40	85.2	88.0	61.0-128			3.23	20
Carbon tetrachloride	5.00	4.71	4.72	94.2	94.4	68.0-126			0.212	20
Chlorobenzene	5.00	4.62	4.64	92.4	92.8	80.0-121			0.432	20
Chloroethane	5.00	5.89	5.96	118	119	47.0-150			1.18	20
Chloroform	5.00	5.09	5.18	102	104	73.0-120			1.75	20
Chloromethane	5.00	6.70	7.10	134	142	41.0-142			5.80	20
Dibromochloromethane	5.00	5.26	5.18	105	104	77.0-125			1.53	20
Dibromomethane	5.00	4.70	5.00	94.0	100	80.0-120			6.19	20
Dichlorodifluoromethane	5.00	5.39	6.15	108	123	51.0-149			13.2	20
Ethylbenzene	5.00	4.55	4.57	91.0	91.4	79.0-123			0.439	20
Iodomethane	25.0	44.8	49.7	179	199	33.0-147	J4	J4	10.4	26
Methylene Chloride	5.00	4.64	4.89	92.8	97.8	67.0-120			5.25	20
Styrene	5.00	4.14	4.41	82.8	88.2	73.0-130			6.32	20
Tetrachloroethene	5.00	5.05	5.32	101	106	72.0-132			5.21	20
Toluene	5.00	4.38	4.56	87.6	91.2	79.0-120			4.03	20
Trichloroethene	5.00	5.23	5.40	105	108	78.0-124			3.20	20
Trichlorofluoromethane	5.00	5.10	5.26	102	105	59.0-147			3.09	20
Vinyl acetate	25.0	23.0	16.7	92.0	66.8	11.0-160		J3	31.7	20
Vinyl chloride	5.00	5.76	5.92	115	118	67.0-131			2.74	20
Xylenes, Total	15.0	13.3	13.8	88.7	92.0	79.0-123			3.69	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4022130-1 01/08/24 09:10 • (LCSD) R4022130-2 01/08/24 09:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	4.69	4.83	93.8	96.6	73.0-120			2.94	20
cis-1,3-Dichloropropene	5.00	4.17	4.20	83.4	84.0	80.0-123			0.717	20
trans-1,2-Dichloroethene	5.00	4.34	4.77	86.8	95.4	73.0-120			9.44	20
trans-1,3-Dichloropropene	5.00	4.48	4.67	89.6	93.4	78.0-124			4.15	20
trans-1,4-Dichloro-2-butene	5.00	6.65	5.19	133	104	33.0-144		J3	24.7	20
(S) Toluene-d8				107	106	80.0-120				
(S) 1,2-Dichloroethane-d4				119	121	70.0-130				
(S) 4-Bromofluorobenzene				91.8	91.1	77.0-126				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4022130-3 01/08/24 09:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetonitrile	500	608	122	40.0-160	
Chloroprene	50.0	55.0	110	60.0-143	
Ethyl methacrylate	50.0	48.3	96.6	72.0-129	
Isobutanol	1000	1280	128	40.0-160	
Methacrylonitrile	500	528	106	61.0-145	
Methyl methacrylate	50.0	63.7	127	63.0-149	
Propionitrile	500	616	123	49.0-160	
(S) Toluene-d8			107	80.0-120	
(S) 1,2-Dichloroethane-d4			120	70.0-130	
(S) 4-Bromofluorobenzene			89.2	77.0-126	

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022164-3 01/10/24 11:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2-Butanone (MEK)	ND		1.28	5.00
Acetone	ND		1.05	25.0
Chloroform	ND		0.0860	0.500
(S) Toluene-d8	106			80.0-120
(S) 1,2-Dichloroethane-d4	116			70.0-130
(S) 4-Bromofluorobenzene	88.1			77.0-126

Laboratory Control Sample (LCS)

(LCS) R4022164-1 01/10/24 09:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
2-Butanone (MEK)	25.0	19.5	78.0	44.0-160	
Acetone	25.0	18.8	75.2	19.0-160	
Chloroform	5.00	5.34	107	73.0-120	
(S) Toluene-d8			107	80.0-120	
(S) 1,2-Dichloroethane-d4			115	70.0-130	
(S) 4-Bromofluorobenzene			89.5	77.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

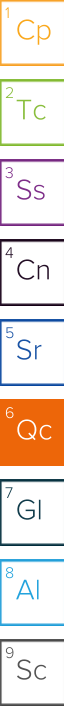
(MB) R4022429-4 01/11/24 10:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2-Butanone (MEK)	ND		1.28	5.00
Acetone	ND		1.05	25.0
(S) Toluene-d8	110			80.0-120
(S) 1,2-Dichloroethane-d4	121			70.0-130
(S) 4-Bromofluorobenzene	85.9			77.0-126

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

(LCS) R4022429-1 01/11/24 09:33 • (LCSD) R4022429-2 01/11/24 09:53

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2-Butanone (MEK)	25.0	19.5	19.6	78.0	78.4	44.0-160			0.512	20
Acetone	25.0	21.2	21.2	84.8	84.8	19.0-160			0.000	27
(S) Toluene-d8				109	109	80.0-120				
(S) 1,2-Dichloroethane-d4				119	118	70.0-130				
(S) 4-Bromofluorobenzene				91.5	90.5	77.0-126				



Method Blank (MB)

(MB) R4023079-3 01/14/24 10:34

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023079-3 01/14/24 10:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	14.8		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	110			80.0-120
(S) 1,2-Dichloroethane-d4	115			70.0-130
(S) 4-Bromofluorobenzene	90.3			77.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4023079-1 01/14/24 09:12 • (LCSD) R4023079-2 01/14/24 09:32

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	4.96	4.81	99.2	96.2	75.0-125			3.07	20
1,1,1-Trichloroethane	5.00	4.92	4.83	98.4	96.6	73.0-124			1.85	20
1,1,2,2-Tetrachloroethane	5.00	4.46	4.89	89.2	97.8	65.0-130			9.20	20
1,1,2-Trichloroethane	5.00	5.13	4.75	103	95.0	80.0-120			7.69	20
1,1-Dichloroethane	5.00	5.32	5.00	106	100	70.0-126			6.20	20
1,1-Dichloroethene	5.00	4.95	4.78	99.0	95.6	71.0-124			3.49	20
1,1-Dichloropropene	5.00	4.75	4.26	95.0	85.2	74.0-126			10.9	20
1,2,3-Trichloropropane	5.00	5.28	5.20	106	104	73.0-130			1.53	20
1,2-Dibromo-3-Chloropropane	5.00	4.53	4.00	90.6	80.0	58.0-134			12.4	20

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

(LCS) R4023079-1 01/14/24 09:12 • (LCSD) R4023079-2 01/14/24 09:32

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	5.14	4.98	103	99.6	80.0-122			3.16	20
1,2-Dichlorobenzene	5.00	5.32	4.77	106	95.4	79.0-121			10.9	20
1,2-Dichloroethane	5.00	5.44	5.32	109	106	70.0-128			2.23	20
1,2-Dichloropropane	5.00	5.20	4.97	104	99.4	77.0-125			4.52	20
1,3-Dichlorobenzene	5.00	5.15	4.70	103	94.0	79.0-120			9.14	20
1,3-Dichloropropane	5.00	5.06	4.69	101	93.8	80.0-120			7.59	20
1,4-Dichlorobenzene	5.00	5.23	4.62	105	92.4	79.0-120			12.4	20
2,2-Dichloropropane	5.00	3.91	3.76	78.2	75.2	58.0-130			3.91	20
2-Butanone (MEK)	25.0	25.5	24.0	102	96.0	44.0-160			6.06	20
2-Hexanone	25.0	25.1	23.2	100	92.8	67.0-149			7.87	20
4-Methyl-2-pentanone (MIBK)	25.0	29.3	27.4	117	110	68.0-142			6.70	20
Acetone	25.0	25.9	21.8	104	87.2	19.0-160			17.2	27
Acrolein	25.0	19.7	31.6	78.8	126	10.0-160		J3	46.4	26
Acrylonitrile	25.0	27.1	26.6	108	106	55.0-149			1.86	20
Allyl chloride	25.0	24.2	23.4	96.8	93.6	72.0-128			3.36	23
Benzene	5.00	4.84	4.81	96.8	96.2	70.0-123			0.622	20
Bromochloromethane	5.00	5.79	5.93	116	119	76.0-122			2.39	20
Bromodichloromethane	5.00	4.98	4.97	99.6	99.4	75.0-120			0.201	20
Bromoform	5.00	4.53	4.49	90.6	89.8	68.0-132			0.887	20
Bromomethane	5.00	8.54	8.48	171	170	10.0-160	J4	J4	0.705	25
Carbon disulfide	5.00	4.95	4.52	99.0	90.4	61.0-128			9.08	20
Carbon tetrachloride	5.00	4.82	4.54	96.4	90.8	68.0-126			5.98	20
Chlorobenzene	5.00	5.11	4.84	102	96.8	80.0-121			5.43	20
Chloroethane	5.00	5.90	5.57	118	111	47.0-150			5.75	20
Chloroform	5.00	5.28	5.33	106	107	73.0-120			0.943	20
Chloromethane	5.00	6.52	6.49	130	130	41.0-142			0.461	20
Dibromochloromethane	5.00	5.02	4.88	100	97.6	77.0-125			2.83	20
Dibromomethane	5.00	4.89	4.72	97.8	94.4	80.0-120			3.54	20
Dichlorodifluoromethane	5.00	4.94	4.21	98.8	84.2	51.0-149			16.0	20
Ethylbenzene	5.00	5.33	5.02	107	100	79.0-123			5.99	20
Iodomethane	25.0	46.2	47.0	185	188	33.0-147	J4	J4	1.72	26
Methylene Chloride	5.00	4.75	4.78	95.0	95.6	67.0-120			0.630	20
Styrene	5.00	4.68	4.44	93.6	88.8	73.0-130			5.26	20
Tetrachloroethene	5.00	5.74	5.24	115	105	72.0-132			9.11	20
Toluene	5.00	4.98	4.69	99.6	93.8	79.0-120			6.00	20
Trichloroethene	5.00	5.96	4.84	119	96.8	78.0-124		J3	20.7	20
Trichlorofluoromethane	5.00	5.16	4.71	103	94.2	59.0-147			9.12	20
Vinyl acetate	25.0	11.7	37.9	46.8	152	11.0-160		J3	106	20
Vinyl chloride	5.00	5.91	5.53	118	111	67.0-131			6.64	20
Xylenes, Total	15.0	14.7	14.0	98.0	93.3	79.0-123			4.88	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4023079-1 01/14/24 09:12 • (LCSD) R4023079-2 01/14/24 09:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	4.74	4.99	94.8	99.8	73.0-120			5.14	20
cis-1,3-Dichloropropene	5.00	4.43	4.18	88.6	83.6	80.0-123			5.81	20
trans-1,2-Dichloroethene	5.00	5.35	4.80	107	96.0	73.0-120			10.8	20
trans-1,3-Dichloropropene	5.00	4.73	4.54	94.6	90.8	78.0-124			4.10	20
trans-1,4-Dichloro-2-butene	5.00	5.47	5.41	109	108	33.0-144			1.10	20
(S) Toluene-d8				107	108	80.0-120				
(S) 1,2-Dichloroethane-d4				112	112	70.0-130				
(S) 4-Bromofluorobenzene				92.9	91.4	77.0-126				

Laboratory Control Sample (LCS)

(LCS) R4023079-4 01/14/24 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetonitrile	500	461	92.2	40.0-160	
Chloroprene	50.0	60.0	120	60.0-143	
Ethyl methacrylate	50.0	48.0	96.0	72.0-129	
Isobutanol	1000	933	93.3	40.0-160	
Methacrylonitrile	500	491	98.2	61.0-145	
Methyl methacrylate	50.0	58.3	117	63.0-149	
Propionitrile	500	501	100	49.0-160	
(S) Toluene-d8			111	80.0-120	
(S) 1,2-Dichloroethane-d4			114	70.0-130	
(S) 4-Bromofluorobenzene			90.9	77.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022032-1 01/10/24 00:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	86.2			14.0-158

Laboratory Control Sample (LCS)

(LCS) R4022032-2 01/10/24 01:04

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
2,4,5-T	5.00	5.23	105	54.0-120	FF
2,4,5-Tp (Silvex)	5.00	5.13	103	50.0-125	FF
2,4-D	5.00	5.74	115	50.0-120	FF
(S) 2,4-Dichlorophenyl Acetic Acid			81.8	14.0-158	

L1693821-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693821-04 01/10/24 01:14 • (MS) R4022032-3 01/10/24 01:24 • (MSD) R4022032-4 01/10/24 01:34

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
2,4,5-T	5.00	ND	6.20	5.39	124	108	1	54.0-120	E J5 P	E P	14.0	20
2,4,5-Tp (Silvex)	5.00	ND	12.2	12.9	244	258	1	50.0-125	E J5	E J5 P	5.58	20
2,4-D	5.00	ND	6.13	6.09	123	122	1	50.0-120	E J5	E J5	0.655	20
(S) 2,4-Dichlorophenyl Acetic Acid					147	152		14.0-158				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022227-1 01/11/24 00:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	93.6			14.0-158

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

(LCS) R4022227-2 01/11/24 00:38 • (LCSD) R4022227-3 01/11/24 00:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	6.98	6.98	140	140	54.0-120	E J4 P	E J4	0.000	20
2,4,5-Tp (Silvex)	5.00	6.71	6.74	134	135	50.0-125	E J4 P	E J4 P	0.446	20
2,4-D	5.00	7.40	7.59	148	152	50.0-120	E J4	E J4	2.54	20
(S) 2,4-Dichlorophenyl Acetic Acid				90.0	92.0	14.0-158				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023720-1 01/14/24 18:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	73.8			14.0-158

Laboratory Control Sample (LCS)

(LCS) R4023720-2 01/14/24 18:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
2,4,5-T	5.00	5.28	106	54.0-120	E
2,4,5-Tp (Silvex)	5.00	5.15	103	50.0-125	E
2,4-D	5.00	6.40	128	50.0-120	E J4 P
(S) 2,4-Dichlorophenyl Acetic Acid			85.6	14.0-158	

L1694274-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1694274-05 01/14/24 22:36 • (MS) R4023720-3 01/14/24 22:46 • (MSD) R4023720-4 01/14/24 22:56

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
2,4,5-T	5.00	ND	13.0	12.2	260	244	1	54.0-120	E J5 P	E J5 P	6.35	20
2,4,5-Tp (Silvex)	5.00	ND	5.60	5.08	112	102	1	50.0-125	E	E	9.74	20
2,4-D	5.00	ND	6.95	6.54	61.2	53.0	1	50.0-120	E	E	6.08	20
(S) 2,4-Dichlorophenyl Acetic Acid					89.0	98.8		14.0-158				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023757-1 01/18/24 00:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	51.1			10.0-128
(S) Tetrachloro-m-xylene	70.0			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4023757-2 01/18/24 01:08 • (LCSD) R4023757-3 01/18/24 01:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.912	0.917	91.2	91.7	56.0-140			0.547	22
4,4-DDE	1.00	0.887	0.905	88.7	90.5	52.0-128			2.01	22
4,4-DDT	1.00	0.854	0.861	85.4	86.1	50.0-141			0.816	23
Aldrin	1.00	0.803	0.855	80.3	85.5	22.0-124			6.27	34
Alpha BHC	1.00	0.915	0.906	91.5	90.6	54.0-130			0.988	23
Beta BHC	1.00	0.815	0.830	81.5	83.0	53.0-136			1.82	20
Delta BHC	1.00	0.861	0.859	86.1	85.9	54.0-133			0.233	20
Dieldrin	1.00	0.919	0.913	91.9	91.3	59.0-133			0.655	20
Endosulfan I	1.00	0.916	0.929	91.6	92.9	57.0-131			1.41	20
Endosulfan II	1.00	0.897	0.912	89.7	91.2	58.0-133			1.66	20
Endosulfan sulfate	1.00	0.872	0.885	87.2	88.5	58.0-133			1.48	21
Endrin	1.00	0.937	0.942	93.7	94.2	57.0-134			0.532	21

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

(LCS) R4023757-2 01/18/24 01:08 • (LCSD) R4023757-3 01/18/24 01:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.801	0.813	80.1	81.3	53.0-129			1.49	20
Gamma BHC	1.00	0.905	0.902	90.5	90.2	55.0-129			0.332	20
Heptachlor	1.00	0.791	0.822	79.1	82.2	27.0-132			3.84	31
Heptachlor epoxide	1.00	0.936	0.924	93.6	92.4	57.0-130			1.29	20
Methoxychlor	1.00	0.917	0.924	91.7	92.4	54.0-155			0.760	24
<i>(S) Decachlorobiphenyl</i>				64.6	54.8	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				73.9	72.3	10.0-127				

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

Method Blank (MB)

(MB) R4021846-1 01/10/24 13:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	40.2			10.0-128
(S) Tetrachloro-m-xylene	58.6			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4021846-5 01/10/24 13:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4,4-DDD	1.00	0.752	75.2	56.0-140	
4,4-DDE	1.00	0.721	72.1	52.0-128	
4,4-DDT	1.00	0.713	71.3	50.0-141	
Aldrin	1.00	0.705	70.5	22.0-124	
Alpha BHC	1.00	0.782	78.2	54.0-130	
Beta BHC	1.00	0.779	77.9	53.0-136	
Delta BHC	1.00	0.759	75.9	54.0-133	
Dieldrin	1.00	0.779	77.9	59.0-133	
Endosulfan I	1.00	0.776	77.6	57.0-131	
Endosulfan II	1.00	0.759	75.9	58.0-133	
Endosulfan sulfate	1.00	0.742	74.2	58.0-133	
Endrin	1.00	0.805	80.5	57.0-134	

Laboratory Control Sample (LCS)

(LCS) R4021846-5 01/10/24 13:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endrin aldehyde	1.00	0.728	72.8	53.0-129	
Gamma BHC	1.00	0.782	78.2	55.0-129	
Heptachlor	1.00	0.809	80.9	27.0-132	
Heptachlor epoxide	1.00	0.792	79.2	57.0-130	
Methoxychlor	1.00	0.753	75.3	54.0-155	
(S) Decachlorobiphenyl			43.0	10.0-128	
(S) Tetrachloro-m-xylene			66.4	10.0-127	

L1693924-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693924-01 01/10/24 13:27 • (MS) R4021846-6 01/10/24 13:36 • (MSD) R4021846-7 01/10/24 13:45

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 %
4,4-DDD	1.00	ND	0.907	0.714	90.7	71.4	1	10.0-160			23.8	38
4,4-DDE	1.00	ND	0.863	0.686	86.3	68.6	1	10.0-159			22.9	35
4,4-DDT	1.00	ND	0.872	0.701	87.2	70.1	1	10.0-160			21.7	38
Aldrin	1.00	ND	0.823	0.675	82.3	67.5	1	10.0-141			19.8	40
Alpha BHC	1.00	ND	0.813	0.715	81.3	71.5	1	10.0-145			12.8	40
Beta BHC	1.00	ND	0.818	0.720	81.8	72.0	1	14.0-146			12.7	35
Delta BHC	1.00	ND	0.795	0.692	79.5	69.2	1	17.0-143			13.9	38
Dieldrin	1.00	ND	0.866	0.712	86.6	71.2	1	10.0-158			19.5	38
Endosulfan I	1.00	ND	0.822	0.703	82.2	70.3	1	10.0-153			15.6	36
Endosulfan II	1.00	ND	0.859	0.704	85.9	70.4	1	10.0-159			19.8	39
Endosulfan sulfate	1.00	ND	0.854	0.686	85.4	68.6	1	23.0-147			21.8	35
Endrin	1.00	ND	0.900	0.755	90.0	75.5	1	10.0-160			17.5	39
Endrin aldehyde	1.00	ND	0.839	0.676	83.9	67.6	1	10.0-148			21.5	38
Gamma BHC	1.00	ND	0.812	0.723	81.2	72.3	1	14.0-141			11.6	40
Heptachlor	1.00	ND	0.888	0.769	88.8	76.9	1	16.0-136			14.4	40
Heptachlor epoxide	1.00	ND	0.858	0.727	85.8	72.7	1	10.0-160			16.5	36
Methoxychlor	1.00	ND	0.959	0.723	95.9	72.3	1	10.0-160			28.1	34
(S) Decachlorobiphenyl					78.2	53.0		10.0-128				
(S) Tetrachloro-m-xylene					72.3	63.2		10.0-127				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022832-1 01/13/24 13:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	45.4			10.0-128
(S) Tetrachloro-m-xylene	84.8			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4022832-2 01/13/24 13:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4,4-DDD	1.00	0.752	75.2	56.0-140	
4,4-DDE	1.00	0.626	62.6	52.0-128	
4,4-DDT	1.00	0.667	66.7	50.0-141	
Aldrin	1.00	0.710	71.0	22.0-124	
Alpha BHC	1.00	0.920	92.0	54.0-130	
Beta BHC	1.00	0.837	83.7	53.0-136	
Delta BHC	1.00	0.895	89.5	54.0-133	
Dieldrin	1.00	0.811	81.1	59.0-133	
Endosulfan I	1.00	0.859	85.9	57.0-131	
Endosulfan II	1.00	0.836	83.6	58.0-133	
Endosulfan sulfate	1.00	0.819	81.9	58.0-133	
Endrin	1.00	0.864	86.4	57.0-134	

Laboratory Control Sample (LCS)

(LCS) R4022832-2 01/13/24 13:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Endrin aldehyde	1.00	0.782	78.2	53.0-129	
Gamma BHC	1.00	0.897	89.7	55.0-129	
Heptachlor	1.00	0.833	83.3	27.0-132	
Heptachlor epoxide	1.00	0.813	81.3	57.0-130	
Methoxychlor	1.00	0.752	75.2	54.0-155	
<i>(S) Decachlorobiphenyl</i>			31.4	10.0-128	
<i>(S) Tetrachloro-m-xylene</i>			72.5	10.0-127	

L1695565-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695565-01 01/13/24 15:24 • (MS) R4022832-3 01/13/24 15:34 • (MSD) R4022832-4 01/13/24 15:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
4,4-DDD	1.00	ND	0.934	0.672	93.4	67.2	1	10.0-160			32.6	38
4,4-DDE	1.00	ND	0.828	0.585	82.8	58.5	1	10.0-159			34.4	35
4,4-DDT	1.00	ND	0.951	0.647	95.1	64.7	1	10.0-160			38.0	38
Aldrin	1.00	ND	0.822	0.622	82.2	62.2	1	10.0-141			27.7	40
Alpha BHC	1.00	ND	0.916	0.777	91.6	77.7	1	10.0-145			16.4	40
Beta BHC	1.00	ND	0.840	0.690	84.0	69.0	1	14.0-146			19.6	35
Delta BHC	1.00	ND	0.940	0.771	94.0	77.1	1	17.0-143			19.8	38
Dieldrin	1.00	ND	0.904	0.684	90.4	68.4	1	10.0-158			27.7	38
Endosulfan I	1.00	ND	0.968	0.747	96.8	74.7	1	10.0-153			25.8	36
Endosulfan II	1.00	ND	0.925	0.714	92.5	71.4	1	10.0-159			25.7	39
Endosulfan sulfate	1.00	ND	0.923	0.714	92.3	71.4	1	23.0-147			25.5	35
Endrin	1.00	ND	1.01	0.779	101	77.9	1	10.0-160			25.8	39
Endrin aldehyde	1.00	ND	0.899	0.673	89.9	67.3	1	10.0-148			28.8	38
Gamma BHC	1.00	ND	0.920	0.775	92.0	77.5	1	14.0-141			17.1	40
Heptachlor	1.00	ND	0.918	0.711	91.8	71.1	1	16.0-136			25.4	40
Heptachlor epoxide	1.00	ND	0.849	0.670	84.9	67.0	1	10.0-160			23.6	36
Methoxychlor	1.00	ND	0.961	0.669	96.1	66.9	1	10.0-160		<u>J3</u>	35.8	34
<i>(S) Decachlorobiphenyl</i>					67.6	22.2		10.0-128				
<i>(S) Tetrachloro-m-xylene</i>					74.6	60.1		10.0-127				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023700-1 01/14/24 17:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	60.1			10.0-128
(S) Tetrachloro-m-xylene	86.7			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4023700-2 01/14/24 17:39 • (LCSD) R4023700-3 01/14/24 17:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.966	1.03	96.6	103	56.0-140			6.41	22
4,4-DDE	1.00	0.897	1.01	89.7	101	52.0-128			11.9	22
4,4-DDT	1.00	0.901	0.996	90.1	99.6	50.0-141			10.0	23
Aldrin	1.00	0.934	1.02	93.4	102	22.0-124			8.80	34
Alpha BHC	1.00	0.998	1.07	99.8	107	54.0-130			6.96	23
Beta BHC	1.00	0.923	0.989	92.3	98.9	53.0-136			6.90	20
Delta BHC	1.00	0.993	1.05	99.3	105	54.0-133			5.58	20
Dieldrin	1.00	0.968	1.02	96.8	102	59.0-133			5.23	20
Endosulfan I	1.00	0.966	1.02	96.6	102	57.0-131			5.44	20
Endosulfan II	1.00	0.959	0.998	95.9	99.8	58.0-133			3.99	20
Endosulfan sulfate	1.00	0.903	0.962	90.3	96.2	58.0-133			6.33	21
Endrin	1.00	0.980	1.03	98.0	103	57.0-134			4.98	21

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

(LCS) R4023700-2 01/14/24 17:39 • (LCSD) R4023700-3 01/14/24 17:48

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.800	0.847	80.0	84.7	53.0-129			5.71	20
Gamma BHC	1.00	0.998	1.06	99.8	106	55.0-129			6.03	20
Heptachlor	1.00	0.973	1.04	97.3	104	27.0-132			6.66	31
Heptachlor epoxide	1.00	0.974	1.03	97.4	103	57.0-130			5.59	20
Methoxychlor	1.00	0.946	1.00	94.6	100	54.0-155			5.55	24
<i>(S) Decachlorobiphenyl</i>				23.6	64.4	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				82.1	86.0	10.0-127				

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

Method Blank (MB)

(MB) R4021746-1 01/08/24 17:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
<i>(S) Decachlorobiphenyl</i>	52.1			10.0-128
<i>(S) Tetrachloro-m-xylene</i>	71.4			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R4021746-2 01/08/24 17:52 • (LCSD) R4021746-3 01/08/24 18:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.07	2.24	82.8	89.6	36.0-135			7.89	29
PCB 1260	2.50	1.85	1.84	74.0	73.6	42.0-131			0.542	25
<i>(S) Decachlorobiphenyl</i>				54.6	46.0	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				78.9	82.4	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4021846-1 01/10/24 13:00

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	41.8			10.0-128
(S) Tetrachloro-m-xylene	60.7			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4021846-2 01/10/24 13:18

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
PCB 1016	2.50	1.97	78.8	36.0-135	
PCB 1260	2.50	1.78	71.2	42.0-131	
(S) Decachlorobiphenyl			49.4	10.0-128	
(S) Tetrachloro-m-xylene			71.0	10.0-127	

7 Gl

8 Al

9 Sc

L1693924-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693924-01 01/10/24 13:27 • (MS) R4021846-3 01/10/24 13:53 • (MSD) R4021846-4 01/10/24 14:02

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
PCB 1016	2.50	ND	2.15	1.95	86.0	78.0	1	11.0-160			9.76	38
PCB 1260	2.50	ND	1.96	1.87	78.4	74.8	1	20.0-142			4.70	27
(S) Decachlorobiphenyl					67.9	65.6		10.0-128				
(S) Tetrachloro-m-xylene					74.0	70.1		10.0-127				

Method Blank (MB)

(MB) R4023700-1 01/14/24 17:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
<i>(S) Decachlorobiphenyl</i>	85.0			10.0-128
<i>(S) Tetrachloro-m-xylene</i>	96.3			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R4023700-4 01/14/24 17:58 • (LCSD) R4023700-5 01/14/24 18:08

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.07	2.26	82.8	90.4	36.0-135			8.78	29
PCB 1260	2.50	1.97	2.02	78.8	80.8	42.0-131			2.51	25
<i>(S) Decachlorobiphenyl</i>				59.0	66.7	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				96.1	96.3	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024316-1 01/18/24 23:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.200	1.00
PCB 1221	ND		0.146	1.00
PCB 1232	ND		0.0840	1.00
PCB 1242	ND		0.0940	1.00
PCB 1248	ND		0.172	1.00
PCB 1254	ND		0.0940	1.00
PCB 1260	ND		0.240	1.00
(S) Decachlorobiphenyl	59.5			10.0-128
(S) Tetrachloro-m-xylene	60.5			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R4024316-2 01/19/24 00:08 • (LCSD) R4024316-3 01/19/24 00:19

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	3.42	3.24	137	130	36.0-135	J4		5.41	29
PCB 1260	2.50	1.90	1.89	76.0	75.6	42.0-131			0.528	25
(S) Decachlorobiphenyl				68.0	54.1	10.0-128				
(S) Tetrachloro-m-xylene				66.8	67.4	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024453-3 01/19/24 11:10

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024453-3 01/19/24 11:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	0.706		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	38.3			10.0-120
(S) 2,4,6-Tribromophenol	134			10.0-155
(S) p-Terphenyl-d14	144	J1		10.0-128
(S) Phenol-d5	25.6			10.0-120
(S) 2-Fluorobiphenyl	83.0			10.0-130
(S) Nitrobenzene-d5	69.8			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025005-2 01/20/24 20:54

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025005-2 01/20/24 20:54

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

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

(LCS) R4024453-1 01/19/24 10:26 • (LCSD) R4024453-2 01/19/24 10:48

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,2,4,5-Tetrachlorobenzene	50.0	25.1	32.9	50.2	65.8	31.0-121			26.9	27
1,2,4-Trichlorobenzene	50.0	16.7	19.8	33.4	39.6	24.0-120			17.0	29
2,2-Oxybis(1-Chloropropane)	50.0	21.3	26.9	42.6	53.8	28.0-120			23.2	31
2,3,4,6-Tetrachlorophenol	50.0	30.4	38.0	60.8	76.0	42.0-132		J3	22.2	22
2,4,5-Trichlorophenol	50.0	26.2	33.9	52.4	67.8	44.0-120		J3	25.6	22
2,4,6-Trichlorophenol	50.0	27.0	36.1	54.0	72.2	42.0-120		J3	28.8	23
2,4-Dichlorophenol	50.0	19.6	23.6	39.2	47.2	36.0-120			18.5	26
2,4-Dimethylphenol	50.0	24.9	30.0	49.8	60.0	33.0-120			18.6	26
2,4-Dinitrophenol	50.0	28.2	34.6	56.4	69.2	10.0-120			20.4	39
2,4-Dinitrotoluene	50.0	37.2	45.3	74.4	90.6	49.0-124			19.6	20
2,6-Dinitrotoluene	50.0	32.6	39.4	65.2	78.8	46.0-120			18.9	21
2-Chloronaphthalene	50.0	22.4	30.3	44.8	60.6	37.0-120		J3	30.0	25
2-Chlorophenol	50.0	15.2	17.9	30.4	35.8	25.0-120			16.3	35
2-Methylnaphthalene	50.0	20.6	26.6	41.2	53.2	33.0-120		J3	25.4	25
2-Methylphenol	50.0	16.4	18.9	32.8	37.8	28.0-120			14.2	29
2-Nitroaniline	50.0	35.7	43.7	71.4	87.4	43.0-120			20.2	22
2-Nitrophenol	50.0	22.4	28.1	44.8	56.2	31.0-120			22.6	29
3&4-Methyl Phenol	50.0	19.3	22.9	38.6	45.8	31.0-120			17.1	30
3,3-Dichlorobenzidine	100	72.9	85.2	72.9	85.2	44.0-120			15.6	20
3-Nitroaniline	50.0	32.0	34.9	64.0	69.8	38.0-120			8.67	21
4,6-Dinitro-2-methylphenol	50.0	34.6	42.6	69.2	85.2	38.0-138			20.7	25
4-Bromophenyl-phenylether	50.0	33.1	42.9	66.2	85.8	45.0-120		J3	25.8	20
4-Chloro-3-methylphenol	50.0	24.5	28.3	49.0	56.6	40.0-120			14.4	21
4-Chloroaniline	50.0	25.8	29.3	51.6	58.6	25.0-120			12.7	25
4-Chlorophenyl-phenylether	50.0	30.6	38.4	61.2	76.8	44.0-120		J3	22.6	20
4-Nitroaniline	50.0	33.7	35.9	67.4	71.8	18.0-160			6.32	21
4-Nitrophenol	50.0	71.2	90.7	142	181	10.0-120	J4	J4	24.1	33
Acenaphthene	50.0	26.5	34.8	53.0	69.6	41.0-120		J3	27.1	22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4024453-1 01/19/24 10:26 • (LCSD) R4024453-2 01/19/24 10:48

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 %
Acenaphthylene	50.0	26.6	34.6	53.2	69.2	43.0-120		J3	26.1	22
Acetophenone	50.0	28.2	35.5	56.4	71.0	29.0-120			22.9	28
Anthracene	50.0	29.3	35.7	58.6	71.4	45.0-120			19.7	20
Benzo(A)Anthracene	50.0	32.9	38.5	65.8	77.0	47.0-120			15.7	20
Benzo(a)pyrene	50.0	29.2	33.8	58.4	67.6	47.0-120			14.6	20
Benzo(b)fluoranthene	50.0	32.9	38.2	65.8	76.4	46.0-120			14.9	20
Benzo(g,h,i)perylene	50.0	34.0	40.7	68.0	81.4	48.0-121			17.9	20
Benzo(k)fluoranthene	50.0	30.8	36.4	61.6	72.8	46.0-120			16.7	21
Benzyl Alcohol	50.0	21.8	24.7	43.6	49.4	25.0-120			12.5	26
Benzylbutyl phthalate	50.0	31.9	36.7	63.8	73.4	43.0-121			14.0	20
Bis(2-Ethylhexyl)phthalate	50.0	30.5	34.9	61.0	69.8	43.0-122			13.5	20
Bis(2-chlorethoxy)methane	50.0	25.7	33.1	51.4	66.2	33.0-120		J3	25.2	24
Bis(2-chloroethyl)ether	50.0	23.5	28.0	47.0	56.0	23.0-120			17.5	33
Chrysene	50.0	30.3	34.9	60.6	69.8	48.0-120			14.1	20
Di-n-butyl phthalate	50.0	35.1	41.7	70.2	83.4	49.0-121			17.2	20
Di-n-octyl phthalate	50.0	28.1	31.6	56.2	63.2	42.0-125			11.7	20
Dibenz(a,h)anthracene	50.0	35.1	40.8	70.2	81.6	47.0-120			15.0	20
Dibenzofuran	50.0	29.2	37.3	58.4	74.6	44.0-120		J3	24.4	22
Diethyl phthalate	50.0	33.6	40.5	67.2	81.0	48.0-122			18.6	20
Dimethyl phthalate	50.0	34.3	40.1	68.6	80.2	48.0-120			15.6	20
Diphenylamine	50.0	30.0	37.9	60.0	75.8	35.0-120		J3	23.3	20
Fluoranthene	50.0	31.9	37.5	63.8	75.0	51.0-120			16.1	20
Fluorene	50.0	30.2	37.0	60.4	74.0	47.0-120		J3	20.2	20
Hexachloro-1,3-butadiene	50.0	16.6	21.4	33.2	42.8	19.0-120			25.3	32
Hexachlorobenzene	50.0	37.5	45.9	75.0	91.8	44.0-120		J3	20.1	20
Hexachlorocyclopentadiene	50.0	2.41	3.75	4.82	7.50	15.0-120	J4	J3 J4	43.5	31
Hexachloroethane	50.0	14.7	17.1	29.4	34.2	15.0-120			15.1	37
Indeno(1,2,3-cd)pyrene	50.0	30.2	35.5	60.4	71.0	49.0-122			16.1	20
Isophorone	50.0	29.3	36.5	58.6	73.0	36.0-120			21.9	23
Naphthalene	50.0	18.0	23.1	36.0	46.2	27.0-120			24.8	27
Nitrobenzene	50.0	22.1	26.9	44.2	53.8	27.0-120			19.6	29
Pentachlorophenol	50.0	16.3	22.5	32.6	45.0	23.0-120		J3	32.0	25
Phenanthrene	50.0	30.7	36.9	61.4	73.8	46.0-120			18.3	20
Phenol	50.0	10.1	11.8	20.2	23.6	10.0-120			15.5	36
Pyrene	50.0	30.4	35.4	60.8	70.8	47.0-120			15.2	20
n-Nitrosodi-n-propylamine	50.0	29.1	37.8	58.2	75.6	31.0-120			26.0	28
n-Nitrosodimethylamine	50.0	21.6	23.8	43.2	47.6	10.0-120			9.69	40
n-Nitrosodiphenylamine	50.0	30.0	37.9	60.0	75.8	47.0-120		J3	23.3	20
(S) 2-Fluorophenol				45.3	54.5	10.0-120				
(S) 2,4,6-Tribromophenol				180	217	10.0-155	J1	J1		

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

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

(LCS) R4024453-1 01/19/24 10:26 • (LCSD) R4024453-2 01/19/24 10:48

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 %
(S) p-Terphenyl-d14				147	171	10.0-128	J1	J1		
(S) Phenol-d5				35.0	40.8	10.0-120				
(S) 2-Fluorobiphenyl				107	145	10.0-130		J1		
(S) Nitrobenzene-d5				91.9	112	10.0-127				

Laboratory Control Sample (LCS)

(LCS) R4025005-1 01/20/24 20:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	33.8	67.6	37.0-147	
1,3-Dinitrobenzene	50.0	33.3	66.6	34.0-120	
1,4-Naphthoquinone	50.0	2.52	5.04	50.0-150	J4
1-Naphthylamine	50.0	25.3	50.6	19.0-120	
2,6-Dichlorophenol	50.0	20.7	41.4	19.0-136	
2-Acetylaminofluorene	50.0	50.3	101	32.0-120	
2-Naphthylamine	50.0	10.8	21.6	10.0-120	
3,3-Dimethylbenzidine	50.0	28.0	56.0	13.0-120	
3-Methylcholanthrene	50.0	39.0	78.0	30.0-160	
4-Aminobiphenyl	50.0	31.1	62.2	20.0-120	
5-Nitro-o-toluidine	50.0	44.6	89.2	34.0-120	
Chlorobenzilate	50.0	38.5	77.0	29.0-128	
Diallate	50.0	35.3	70.6	30.0-120	
Dimethoate	50.0	32.5	65.0	11.0-134	
Dimethylbenz (A) Anthracene	50.0	22.7	45.4	14.0-124	
Dinoseb	50.0	33.4	66.8	39.0-120	
Diphenylamine	50.0	36.8	73.6	35.0-120	
Disulfoton	50.0	41.0	82.0	32.0-120	
Ethyl methanesulfonate	50.0	20.2	40.4	10.0-120	
Ethyl parathion	50.0	40.7	81.4	46.0-130	
Famphur	50.0	46.7	93.4	32.0-120	
Hexachloropropene	50.0	9.92	19.8	10.0-120	
Isodrin	50.0	29.6	59.2	22.0-157	
Isosafrole	50.0	25.3	50.6	25.0-133	
Kepone	50.0	16.0	32.0	10.0-120	
Methapyrilene	50.0	17.2	34.4	10.0-120	
Methyl methanesulfonate	50.0	13.6	27.2	10.0-120	
Methyl parathion	50.0	50.3	101	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	27.3	54.6	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4025005-1 01/20/24 20:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
P-(Dimethylamino) Azobenzene	50.0	40.2	80.4	27.0-120	
Pentachlorobenzene	50.0	25.1	50.2	25.0-120	
Pentachloronitrobenzene	50.0	32.9	65.8	34.0-132	
Phenacetin	50.0	32.9	65.8	34.0-127	
Phorate	50.0	47.0	94.0	13.0-160	
Pronamide	50.0	37.2	74.4	38.0-130	
Safrole	50.0	22.9	45.8	21.0-120	
Thionazin	50.0	45.4	90.8	38.0-121	
n-Nitrosodi-n-butylamine	50.0	36.1	72.2	13.0-143	
n-Nitrosodiethylamine	50.0	22.1	44.2	10.0-120	
n-Nitrosomethylethylamine	50.0	19.8	39.6	10.0-120	
n-Nitrosopiperidine	50.0	24.8	49.6	10.0-160	
n-Nitrosopyrrolidine	50.0	25.6	51.2	10.0-124	
o-Toluidine	50.0	25.0	50.0	10.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	<u>J4</u>

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

Method Blank (MB)

(MB) R4023638-2 01/14/24 11:28

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023638-2 01/14/24 11:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	0.683		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	49.3			10.0-120
(S) 2,4,6-Tribromophenol	58.0			10.0-155
(S) p-Terphenyl-d14	63.0			10.0-128
(S) Phenol-d5	28.7			10.0-120
(S) 2-Fluorobiphenyl	61.6			10.0-130
(S) Nitrobenzene-d5	60.5			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024050-2 01/17/24 13:50

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024050-2 01/17/24 13:50

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

Laboratory Control Sample (LCS)

(LCS) R4023638-1 01/14/24 11:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,2,4,5-Tetrachlorobenzene	50.0	40.0	80.0	31.0-121	
1,2,4-Trichlorobenzene	50.0	33.5	67.0	24.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	40.2	80.4	28.0-120	
2,3,4,6-Tetrachlorophenol	50.0	39.3	78.6	42.0-132	
2,4,5-Trichlorophenol	50.0	41.4	82.8	44.0-120	
2,4,6-Trichlorophenol	50.0	41.2	82.4	42.0-120	
2,4-Dichlorophenol	50.0	34.8	69.6	36.0-120	
2,4-Dimethylphenol	50.0	39.3	78.6	33.0-120	
2,4-Dinitrophenol	50.0	40.3	80.6	10.0-120	
2,4-Dinitrotoluene	50.0	47.2	94.4	49.0-124	
2,6-Dinitrotoluene	50.0	40.5	81.0	46.0-120	
2-Chloronaphthalene	50.0	38.4	76.8	37.0-120	
2-Chlorophenol	50.0	38.8	77.6	25.0-120	
2-Methylnaphthalene	50.0	34.0	68.0	33.0-120	
2-Methylphenol	50.0	36.2	72.4	28.0-120	
2-Nitroaniline	50.0	44.7	89.4	43.0-120	
2-Nitrophenol	50.0	38.8	77.6	31.0-120	
3&4-Methyl Phenol	50.0	40.5	81.0	31.0-120	
3,3-Dichlorobenzidine	100	93.6	93.6	44.0-120	
3-Nitroaniline	50.0	40.5	81.0	38.0-120	
4,6-Dinitro-2-methylphenol	50.0	44.7	89.4	38.0-138	
4-Bromophenyl-phenylether	50.0	38.0	76.0	45.0-120	
4-Chloro-3-methylphenol	50.0	36.0	72.0	40.0-120	
4-Chloroaniline	50.0	25.7	51.4	25.0-120	
4-Chlorophenyl-phenylether	50.0	44.2	88.4	44.0-120	
4-Nitroaniline	50.0	41.5	83.0	18.0-160	
4-Nitrophenol	50.0	20.2	40.4	10.0-120	
Acenaphthene	50.0	40.3	80.6	41.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023638-1 01/14/24 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acenaphthylene	50.0	39.9	79.8	43.0-120	
Acetophenone	50.0	43.9	87.8	29.0-120	
Anthracene	50.0	40.3	80.6	45.0-120	
Benzo(A)Anthracene	50.0	45.9	91.8	47.0-120	
Benzo(a)pyrene	50.0	40.0	80.0	47.0-120	
Benzo(b)fluoranthene	50.0	42.9	85.8	46.0-120	
Benzo(g,h,i)perylene	50.0	45.6	91.2	48.0-121	
Benzo(k)fluoranthene	50.0	39.0	78.0	46.0-120	
Benzyl Alcohol	50.0	30.8	61.6	25.0-120	
Benzylbutyl phthalate	50.0	41.6	83.2	43.0-121	
Bis(2-Ethylhexyl)phthalate	50.0	40.8	81.6	43.0-122	
Bis(2-chlorethoxy)methane	50.0	33.2	66.4	33.0-120	
Bis(2-chloroethyl)ether	50.0	38.3	76.6	23.0-120	
Chrysene	50.0	39.4	78.8	48.0-120	
Di-n-butyl phthalate	50.0	44.3	88.6	49.0-121	
Di-n-octyl phthalate	50.0	37.1	74.2	42.0-125	
Dibenz(a,h)anthracene	50.0	46.4	92.8	47.0-120	
Dibenzofuran	50.0	42.8	85.6	44.0-120	
Diethyl phthalate	50.0	40.4	80.8	48.0-122	
Dimethyl phthalate	50.0	41.3	82.6	48.0-120	
Diphenylamine	50.0	38.9	77.8	35.0-120	
Fluoranthene	50.0	42.1	84.2	51.0-120	
Fluorene	50.0	42.5	85.0	47.0-120	
Hexachloro-1,3-butadiene	50.0	32.4	64.8	19.0-120	
Hexachlorobenzene	50.0	37.2	74.4	44.0-120	
Hexachlorocyclopentadiene	50.0	26.6	53.2	15.0-120	
Hexachloroethane	50.0	34.1	68.2	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	40.4	80.8	49.0-122	
Isophorone	50.0	36.2	72.4	36.0-120	
Naphthalene	50.0	34.9	69.8	27.0-120	
Nitrobenzene	50.0	33.9	67.8	27.0-120	
Pentachlorophenol	50.0	27.6	55.2	23.0-120	
Phenanthrene	50.0	39.9	79.8	46.0-120	
Phenol	50.0	18.9	37.8	10.0-120	
Pyrene	50.0	39.9	79.8	47.0-120	
n-Nitrosodi-n-propylamine	50.0	39.8	79.6	31.0-120	
n-Nitrosodimethylamine	50.0	39.3	78.6	10.0-120	
n-Nitrosodiphenylamine	50.0	38.9	77.8	47.0-120	
(S) 2-Fluorophenol			56.5	10.0-120	
(S) 2,4,6-Tribromophenol			70.5	10.0-155	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023638-1 01/14/24 11:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) p-Terphenyl-d14			72.9	10.0-128	
(S) Phenol-d5			33.9	10.0-120	
(S) 2-Fluorobiphenyl			73.8	10.0-130	
(S) Nitrobenzene-d5			64.7	10.0-127	

Laboratory Control Sample (LCS)

(LCS) R4024050-1 01/17/24 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	36.9	73.8	37.0-147	
1,3-Dinitrobenzene	50.0	35.4	70.8	34.0-120	
1,4-Naphthoquinone	50.0	2.14	4.28	50.0-150	J4
1-Naphthylamine	50.0	29.2	58.4	19.0-120	
2,6-Dichlorophenol	50.0	33.3	66.6	19.0-136	
2-Acetylaminofluorene	50.0	51.0	102	32.0-120	
2-Naphthylamine	50.0	14.1	28.2	10.0-120	
3,3-Dimethylbenzidine	50.0	26.1	52.2	13.0-120	
3-Methylcholanthrene	50.0	41.9	83.8	30.0-160	
4-Aminobiphenyl	50.0	30.4	60.8	20.0-120	
5-Nitro-o-toluidine	50.0	43.0	86.0	34.0-120	
Chlorobenzilate	50.0	36.9	73.8	29.0-128	
Diallate	50.0	34.3	68.6	30.0-120	
Dimethoate	50.0	46.9	93.8	11.0-134	
Dimethylbenz (A) Anthracene	50.0	33.0	66.0	14.0-124	
Dinoseb	50.0	37.8	75.6	39.0-120	
Diphenylamine	50.0	35.6	71.2	35.0-120	
Disulfoton	50.0	42.7	85.4	32.0-120	
Ethyl methanesulfonate	50.0	26.8	53.6	10.0-120	
Ethyl parathion	50.0	42.0	84.0	46.0-130	
Famphur	50.0	45.1	90.2	32.0-120	
Hexachloropropene	50.0	29.6	59.2	10.0-120	
Isodrin	50.0	29.9	59.8	22.0-157	
Isosafrole	50.0	31.6	63.2	25.0-133	
Kepone	50.0	31.0	62.0	10.0-120	
Methapyrilene	50.0	16.3	32.6	10.0-120	
Methyl methanesulfonate	50.0	19.6	39.2	10.0-120	
Methyl parathion	50.0	49.4	98.8	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	36.4	72.8	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4024050-1 01/17/24 13:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
P-(Dimethylamino) Azobenzene	50.0	38.7	77.4	27.0-120	
Pentachlorobenzene	50.0	29.7	59.4	25.0-120	
Pentachloronitrobenzene	50.0	33.1	66.2	34.0-132	
Phenacetin	50.0	37.6	75.2	34.0-127	
Phorate	50.0	47.2	94.4	13.0-160	
Pronamide	50.0	35.7	71.4	38.0-130	
Safrole	50.0	32.1	64.2	21.0-120	
Thionazin	50.0	44.1	88.2	38.0-121	
n-Nitrosodi-n-butylamine	50.0	42.9	85.8	13.0-143	
n-Nitrosodiethylamine	50.0	33.3	66.6	10.0-120	
n-Nitrosomethylethylamine	50.0	30.3	60.6	10.0-120	
n-Nitrosopiperidine	50.0	33.2	66.4	10.0-160	
n-Nitrosopyrrolidine	50.0	33.9	67.8	10.0-124	
o-Toluidine	50.0	27.9	55.8	10.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	J4

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693929-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693929-03 01/14/24 12:55 • (MS) R4023638-3 01/14/24 13:16 • (MSD) R4023638-4 01/14/24 13:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4,5-Tetrachlorobenzene	50.0	ND	35.5	37.7	71.0	75.4	1	19.0-122			6.01	32
1,2,4-Trichlorobenzene	50.0	ND	28.2	30.5	56.4	61.0	1	15.0-120			7.84	31
2,2-Oxybis(1-Chloropropane)	50.0	ND	34.9	37.6	69.8	75.2	1	18.0-120			7.45	34
2,3,4,6-Tetrachlorophenol	50.0	ND	ND	ND	73.0	78.0	1	17.0-142			6.62	34
2,4,5-Trichlorophenol	50.0	ND	38.9	40.1	77.8	80.2	1	33.0-120			3.04	31
2,4,6-Trichlorophenol	50.0	ND	37.5	38.5	75.0	77.0	1	26.0-120			2.63	31
2,4-Dichlorophenol	50.0	ND	31.1	30.3	62.2	60.6	1	19.0-120			2.61	27
2,4-Dimethylphenol	50.0	ND	38.4	33.5	76.8	67.0	1	15.0-120			13.6	28
2,4-Dinitrophenol	50.0	ND	ND	ND	75.6	73.4	1	10.0-120			2.95	40
2,4-Dinitrotoluene	50.0	ND	44.5	47.4	89.0	94.8	1	39.0-125			6.31	25
2,6-Dinitrotoluene	50.0	ND	38.4	42.1	76.8	84.2	1	36.0-120			9.19	27
2-Chloronaphthalene	50.0	ND	33.8	36.6	67.6	73.2	1	29.0-120			7.95	28
2-Chlorophenol	50.0	ND	32.0	28.1	64.0	56.2	1	18.0-120			13.0	34
2-Methylnaphthalene	50.0	ND	29.5	31.7	59.0	63.4	1	17.0-120			7.19	28
2-Methylphenol	50.0	ND	29.2	25.6	58.4	51.2	1	10.0-120			13.1	30
2-Nitroaniline	50.0	ND	ND	ND	83.0	90.0	1	33.0-120			8.09	27
2-Nitrophenol	50.0	ND	35.2	35.3	70.4	70.6	1	20.0-120			0.284	30
3&4-Methyl Phenol	50.0	ND	31.8	28.9	63.6	57.8	1	10.0-120			9.56	36

L1693929-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693929-03 01/14/24 12:55 • (MS) R4023638-3 01/14/24 13:16 • (MSD) R4023638-4 01/14/24 13:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
3,3-Dichlorobenzidine	100	ND	76.5	90.0	76.5	90.0	1	10.0-134			16.2	30
3-Nitroaniline	50.0	ND	ND	ND	76.4	78.0	1	20.0-120			2.07	27
4,6-Dinitro-2-methylphenol	50.0	ND	ND	ND	88.4	90.4	1	10.0-144			2.24	39
4-Bromophenyl-phenylether	50.0	ND	ND	ND	76.2	82.2	1	37.0-120			7.58	24
4-Chloro-3-methylphenol	50.0	ND	30.2	28.2	60.4	56.4	1	26.0-120			6.85	27
4-Chloroaniline	50.0	ND	20.0	23.8	40.0	47.6	1	10.0-120			17.4	31
4-Chlorophenyl-phenylether	50.0	ND	40.8	44.8	81.6	89.6	1	36.0-120			9.35	23
4-Nitroaniline	50.0	ND	ND	ND	75.8	80.0	1	10.0-160			5.39	26
4-Nitrophenol	50.0	ND	ND	ND	30.0	28.2	1	10.0-120			6.19	40
Acenaphthene	50.0	ND	35.9	39.6	71.8	79.2	1	28.0-120			9.80	25
Acenaphthylene	50.0	ND	35.9	39.8	71.8	79.6	1	31.0-121			10.3	25
Acetophenone	50.0	ND	39.1	41.1	77.3	81.3	1	20.0-120			4.99	35
Anthracene	50.0	ND	37.3	40.4	74.6	80.8	1	36.0-120			7.98	23
Benzo(A)Anthracene	50.0	ND	41.5	43.0	83.0	86.0	1	39.0-120			3.55	23
Benzo(a)pyrene	50.0	ND	38.0	38.8	76.0	77.6	1	37.0-120			2.08	24
Benzo(b)fluoranthene	50.0	ND	40.2	41.3	80.4	82.6	1	37.0-120			2.70	23
Benzo(g,h,i)perylene	50.0	ND	40.3	40.7	80.6	81.4	1	37.0-123			0.988	25
Benzo(k)fluoranthene	50.0	ND	36.3	37.1	72.6	74.2	1	37.0-120			2.18	26
Benzyl Alcohol	50.0	ND	27.7	26.4	55.4	52.8	1	14.0-120			4.81	38
Benzylbutyl phthalate	50.0	ND	39.6	40.8	79.2	81.6	1	34.0-126			2.99	24
Bis(2-Ethylhexyl)phthalate	50.0	ND	35.9	36.1	71.8	72.2	1	33.0-126			0.556	25
Bis(2-chlorethoxy)methane	50.0	ND	30.5	32.2	61.0	64.4	1	17.0-120			5.42	31
Bis(2-chloroethyl)ether	50.0	ND	33.7	34.7	67.4	69.4	1	14.0-120			2.92	33
Chrysene	50.0	ND	37.8	39.2	75.6	78.4	1	38.0-120			3.64	23
Di-n-butyl phthalate	50.0	ND	41.5	44.3	83.0	88.6	1	35.0-128			6.53	23
Di-n-octyl phthalate	50.0	ND	34.9	35.0	69.8	70.0	1	25.0-135			0.286	26
Dibenz(a,h)anthracene	50.0	ND	41.6	42.0	83.2	84.0	1	36.0-121			0.957	24
Dibenzofuran	50.0	ND	38.5	43.0	77.0	86.0	1	32.0-120			11.0	26
Diethyl phthalate	50.0	ND	38.9	43.2	77.8	86.4	1	39.0-125			10.5	24
Dimethyl phthalate	50.0	ND	39.8	43.1	79.6	86.2	1	37.0-120			7.96	24
Diphenylamine	50.0	ND	35.9	39.2	71.8	78.4	1	35.0-120			8.79	30
Fluoranthene	50.0	ND	40.7	42.3	81.4	84.6	1	41.0-121			3.86	22
Fluorene	50.0	ND	39.3	43.0	78.6	86.0	1	37.0-120			8.99	24
Hexachloro-1,3-butadiene	50.0	ND	27.6	28.2	55.2	56.4	1	12.0-120			2.15	34
Hexachlorobenzene	50.0	ND	38.0	40.1	76.0	80.2	1	35.0-122			5.38	24
Hexachlorocyclopentadiene	50.0	ND	ND	ND	43.0	37.2	1	10.0-120			14.5	33
Hexachloroethane	50.0	ND	27.9	30.1	55.8	60.2	1	10.0-120			7.59	40
Indeno(1,2,3-cd)pyrene	50.0	ND	37.4	36.8	74.8	73.6	1	38.0-125			1.62	24
Isophorone	50.0	ND	32.3	35.1	64.6	70.2	1	21.0-120			8.31	27
Naphthalene	50.0	ND	30.4	32.3	60.8	64.6	1	10.0-120			6.06	31

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1693929-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1693929-03 01/14/24 12:55 • (MS) R4023638-3 01/14/24 13:16 • (MSD) R4023638-4 01/14/24 13:38

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrobenzene	50.0	ND	30.8	33.4	61.6	66.8	1	12.0-120			8.10	30
Pentachlorophenol	50.0	ND	ND	ND	56.0	53.8	1	10.0-128			4.01	37
Phenanthrene	50.0	ND	38.1	40.7	76.2	81.4	1	33.0-120			6.60	22
Phenol	50.0	ND	17.3	15.9	34.6	31.8	1	10.0-120			8.43	40
Pyrene	50.0	ND	37.2	39.7	74.4	79.4	1	39.0-120			6.50	22
n-Nitrosodi-n-propylamine	50.0	ND	35.2	36.7	70.4	73.4	1	16.0-120			4.17	30
n-Nitrosodimethylamine	50.0	ND	37.3	28.4	74.6	56.8	1	10.0-120			27.1	40
n-Nitrosodiphenylamine	50.0	ND	35.9	39.2	71.8	78.4	1	37.0-120			8.79	24
<i>(S) 2-Fluorophenol</i>					43.9	38.0		10.0-120				
<i>(S) 2,4,6-Tribromophenol</i>					71.0	72.0		10.0-155				
<i>(S) p-Terphenyl-d14</i>					69.7	74.4		10.0-128				
<i>(S) Phenol-d5</i>					28.4	24.6		10.0-120				
<i>(S) 2-Fluorobiphenyl</i>					66.0	70.4		10.0-130				
<i>(S) Nitrobenzene-d5</i>					58.5	61.2		10.0-127				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

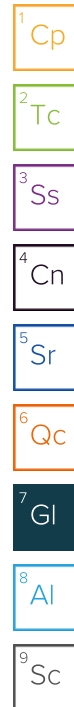
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P	RPD between the primary and confirmatory analysis exceeded 40%.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.
V	The sample concentration is too high to evaluate accurate spike recoveries.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Report to:
Jodi Reynolds

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Chris Finley

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

LDS-1	Grab	GW	N/A	1.4.24	0930	16
LDS-2		GW			1030	16
LDS-3		GW			1130	16
LDS-4		GW			1230	16
LDS-5		GW			1430	16
LDS-6		GW			1530	16
LDS-7		GW			1630	16
LDS-8		GW			1730	16
LDS-9		GW		1.5.24	0930	16
LDS-10		GW	V	1.5.24	1030	16

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

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier _____ Tracking # _____

Relinquished by: (Signature)
[Signature]

Date: **1.5.24**
Time: **1700**

Received by: (Signature)
[Signature]

Trip Blank Received: **Yes/No**
11 HCL/MeOH TBR

Relinquished by: (Signature)

Date: _____ Time: _____

Received by: (Signature)

Temp: _____ °C Bottles Received: **384**

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)
Calb Tapp

Date: **1/6/24** Time: **09:00**

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

If pre PH-10BDH5021 TRC-235262 CR6-20221V /Time

Condition: **NCF / OK**

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 <u>1</u> of <u>6</u>		
HCL 72	HNO3 72	RCV 712	H2SO4 2									
8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAC	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl			



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 # **11093811**
A063

Acctnum: **WMECOVISAR**

Template: **T243781**

Prelogin: **P1044859**

PM: **616 - Stacy Kennedy**

PB: **Bio 12/26**

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

-01

-02

-03

-04

-05

-06

-07

-08

-09

-10

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 4 of 6

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Chris Finley

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

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

Quote #

Date Results Needed

No.
of
Cnts

Immediately
Packed on Ice N Y

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

No.
of
Cnts

V8260LL TB 40mlAmb-HCl-Bik

V8260LLAP9 40mlAmb-HCl

V8260LLAP9 TB 40mlAmb-HCl-Bik

WetChem 125mlHDPE-NoPres



MT JULIET, TN

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

SDG #

Table #

Acctnum: **WMECOVISAR**

Template: **T243781**

Prelogin: **P1044859**

PM: **616 - Stacy Kennedy**

PB: *BW 12/24*

Shipped Via: **FedEX Ground**

Remarks

Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	V8260LL TB 40mlAmb-HCl-Bik	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 TB 40mlAmb-HCl-Bik	WetChem 125mlHDPE-NoPres	Remarks	Sample # (lab only)
LDS-1	Grab	GW	N/A	1.4.24	0930	16		X		X		
LDS-2		GW			1030	16		X		X		-01
LDS-3		GW			1130	16		X		X		-02
LDS-4		GW			1230	16		X		X		-03
LDS-5		GW			1430	16		X		X		-04
LDS-6		GW			1530	16		X		X		-05
LDS-7		GW			1630	16		X		X		-06
LDS-8		GW			1730	16		X		X		-07
LDS-9		GW		1.5.24	0930	16		X		X		-08
LDS-10		GW		1.5.24	1030	16		X		X		-09

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

Remarks:

Samples returned via:

UPS FedEx Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes No

HCL/MeOH

TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: _____ °C

Bottles Received: **384**

If PH-10BDH5021 TRC-2352362 Date/Time
CR6-20221V

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:
NCF / OK

Calab Tyler

1/6/24

09:00

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Report to:
Jodi Reynolds

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Chris Archer

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No. of Cntrs

Immediately
Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LDS-11	Grab	GW	N/A	1.5.24	1130	16
LDS-12		GW		1.5.24	1230	16
LCS-1		GW		1.4.24	0900	16
LCS-2		GW			1000	16
LCS-3		GW			1100	16
LCS-4		GW			1200	16
LCS-5		GW			1400	16
LCS-6		GW			1500	16
LCS-7		GW			1600	16
LCS-8		GW			1700	16

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

Remarks:

Samples returned via:

UPS FedEx Courier

Tracking #

Relinquished by: (Signature)
[Signature]

Date:

1.5.24

Time:

1700

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: 384

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
Calub Tapp

Date: 1/6/24 Time: 09:00

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

If pr PH-10BDH5021 TRC-2352362 e/Time
CR6-20221V

Hold: Condition: NCF OK

Billing Information:

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

Pres
Chk

Analysis / Container / Preservative					
HCL 72	HNO3 72	RCV 712	H2SO4 2		

8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAC	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl
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Chain of Custody Page 2 of 6



MT JULIET, TN

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

SDG # *U093811*

Table #

Acctnum: **WMECOVISAR**

Template: **T243781**

Prelogin: **P1044859**

PM: **616 - Stacy Kennedy**

PB: *BW1224*

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

	-11
	-12
	-13
	-14
	-15
	-16
	-17
	-18
	-19
	-20

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 5 of 6

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Chris Finkel

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N ___ Y 2

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LDS-11	Grab	GW	N/A	1.5.24	1130	16
LDS-12		GW		1.5.24	1230	16
LCS-1		GW		1.4.24	0900	16
LCS-2		GW			1000	16
LCS-3		GW			1100	16
LCS-4		GW			1200	16
LCS-5		GW			1400	16
LCS-6		GW			1500	16
LCS-7		GW			1600	16
LCS-8		GW			1700	16

V8260LL TB 40mlAmb-HCl-Bik

V8260LLAP9 40mlAmb-HCl

V8260LLAP9 TB 40mlAmb-HCl-Bik

WetChem 125mlHDPE-NoPres



MT JULIET, TN

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

SDG # U693811
Table #
Acctnum: WMECOVISAR
Template: T243781
Prelogin: P1044859
PM: 616 - Stacy Kennedy
PB: BW 1/24
Shipped Via: FedEX Ground

Remarks	Sample # (lab only)
	-11
	-12
	-13
	-14
	-15
	-16
	-17
	-18
	-19
	-20

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

Remarks:

Samples returned via:
___ UPS ___ FedEx ___ Courier

Tracking #

pH ___ Temp ___
Flow ___ Other ___

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

Relinquished by: (Signature) <i>[Signature]</i>	Date: 1.5.24	Time: 1700	Received by: (Signature) <i>[Signature]</i>	Trip Blank Received: <u>Yes</u> /No HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: <u>384</u>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Caleb TREP	Date: 1/6/24 Time: 09:00

If pres: PH-10BDH6021 TRC-2352367
CR6-20221V
Hold:
Condition:
NCF/OK

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

88 Joyce Lane
Russellville, AR 72801

Report to:
Jodi Reynolds

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Christy Finley

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately Packed on Ice N Y

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

Date Results Needed

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LCS-9	Grab	GW	N/A	1.5.24	0900	16
LCS-10	↓	GW	↓	↓	1000	16
LCS-11	↓	GW	↓	↓	1100	16
LCS-12	↓	GW	↓	↓	1200	16
DUP		GW				16
DUPZ		GW				16
LEACHATE-COMPOSITE	Comp	GW	N/A	1.5.24	1300	16
LGW-2		GW				16
LGW-3R		GW				16
LGW-4		GW				16

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

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature)
[Signature]

Date:

1.5.24

Time:

1700

Received by: (Signature)

Trip Blank Received: Yes No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: **384**

PH-10BDH6021 TRC-2362362
CR6-20221V

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
Caleb Tapp

Date: 1/6/24 Time: 09:00

Hold:

Condition:
 NCF OK

Billing Information:

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 6

8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl
HCL 72	HNO3 72	RCV 712	H2SO4 72						



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 # **U693611**
Table #
Acctnum: **WMECOVISAR**
Template: **T243781**
Prelogin: **P1044859**
PM: **616 - Stacy Kennedy**
PB: **BW 12/26**
Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

-21
-22
-23
-24
-25

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

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Report to:
Jodi Reynolds

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Chris Finley

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No. of Cntrs

Immediately Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LCS-9	Grab	GW	N/A	1.5.24	0900	16
LCS-10	↓	GW	↓	↓	1000	16
LCS-11	↓	GW	↓	↓	1100	16
LCS-12	↓	GW	↓	↓	1200	16
DUP		GW				16
DUP2		GW				16
LEACHATE-COMPOSITE	Comp	GW	N/A	1.5.24	1300	16
LGW-2		GW				16
LGW-3R		GW				16
LGW-4		GW				16

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

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: **384**

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: **1/6/24** Time: **09:00**

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

PH-10BDH5021 TRC-2352362
CR6-20221V

Condition: **NCF** / OK

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 6 of 6	
HCL 72	H2O3 72	RCV 712	H2SO4 62	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/hubs/pas-standard-terms.pdf>

SDG # **1183811**
Table #
Acctnum: **WMECOVISAR**
Template: **T243781**
Prelogin: **P1044859**
PM: **616 - Stacy Kennedy**
PB: **BW 1/24**
Shipped Via: **FedEx Ground**

Remarks | Sample # (lab only)

-21
-22
-23
-24
-25

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

11093811

Sample I.D. LDS-1

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D D - Direct Sampling Equipment: S D - Dipper S - Sample Bottle
 I I - Indirect T T - Transfer Vessel O - Other

V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/04/2024</u>	<u>0930</u>	<u>6.54</u>	<u>8891</u>	<u>13.6</u>	<u>4.25</u>	<u>6.03</u>	<u>-132.1</u>

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: _____

1, 4, 24

C. Fincher

Promus

Date _____ Name _____ Signature _____ Company _____

FIELD INFORMATION FORM
Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

Sample I.D.: LDS-2

41693811

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel
 V - Visual 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)
<u>01/04/2024</u>	<u>1030</u>	<u>6.54</u>	<u>7462</u>	<u>17.9</u>	<u>2.56</u>	<u>5.59</u>	<u>-126.5</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: yes Other: yellow tint

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

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1, 4, 24 C. Fincher [Signature] [Signature]
Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

U(1331)

Sample I.D. LDS-3

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D D - Direct Sampling Equipment: S D - Dipper S - Sample Bottle
I - Indirect T - Transfer Vessel O - Other _____
V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/04/2024</u>	<u>11:30</u>	<u>7.80</u>	<u>27584</u>	<u>17.2</u>	<u>132.55</u>	<u>6.82</u>	<u>-122.6</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____
Sheen Present or Foam Present: or Floating Solids: or

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

Direction/Speed: _____ Precipitation: or N

Specific Comments: _____

1/4/24

Ryan Wallen

[Signature]

PROMUS

Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:
L16093811

Site Name: EVLF
Sample I.D.: LDS-5

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel
 V - Visual 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)
<u>01/04/2024</u>	<u>1430</u>	<u>6.97</u>	<u>17427</u>	<u>23.6</u>	<u>15.77</u>	<u>3.15</u>	<u>-154.7</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____
Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1, 4, 24 c. Fincher [Signature] Prisma

Date Name Signature Company

FIELD INFORMATION FORM
Surface Water, Stormwater and Leachate



Site Name: EVLF

Sample I.D. LOS-6

Laboratory Use Only / Lab I.D.:

L1693811

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/04/2024</u>	<u>1530</u>	<u>7.41</u>	<u>21783</u>	<u>22.5</u>	<u>2.35</u>	<u>4.08</u>	<u>-137.8</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____

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

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1 1 4 1 24

C. Fincher

[Signature]

Primer

Date

Name

Signature

Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

L1A381

Sample I.D. LDS-10

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/05/2024</u>	<u>1030</u>	<u>6.61</u>	<u>15901</u>	<u>23.8</u>	<u>2.82</u>	<u>2.58</u>	<u>-172.2</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Yellow Other: _____
 Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1/5/24 L. Fincher [Signature] Pranay

Date Name Signature Company

FIELD INFORMATION FORM
Surface Water, Stormwater and Leachate



Site Name: EVLF
Sample I.D.: LOS-11

Laboratory Use Only / Lab I.D.:
LI03811

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel
 V - Visual 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)
<u>01/05/2024</u>	<u>1130</u>	<u>7.59</u>	<u>39746</u>	<u>22.4</u>	<u>154.21</u>	<u>4.78</u>	<u>-154.7</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Black Other: _____
Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N
Weather Conditions: (required daily, or as conditions change):
Direction/Speed: _____ Precipitation: Y or N

Specific Comments:
* Broken Sample port Valve

1, 5, 24 C. Fincher [Signature] [Signature]

Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

L1693811

Sample I.D.: LDS-12

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect 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)
01/05/2024	1230	6.95	29373	18.5	27.30	3.83	+157.4

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown Other: _____

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

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1, 5, 24 C. Finch [Signature] [Signature]

Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Site Name: EVLF

Sample I.D.: LCS-1

Laboratory Use Only / Lab I.D.:

L1A3501

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
I - Indirect T - Transfer Vessel O - Other

V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/04/2024</u>	<u>0900</u>	<u>7.72</u>	<u>19542</u>	<u>10.9</u>	<u>113.95</u>	<u>8.20</u>	<u>-148.2</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown Other: _____

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

Weather Conditions: (required daily, or as conditions change): Sunny, cold, 40s

Direction/Speed: W @ 10-15 mph Precipitation: Y or N

Specific Comments: _____

1/4/24 C. Fincher [Signature] Promy

Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

L16A384

Site Name: EVLF

Sample I.D. LCS-2

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel
 V - Visual O - Other

Sample Type: Composite Grab (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/04/2024</u>	<u>1600</u>	<u>7.03</u>	<u>11743</u>	<u>7.8</u>	<u>1.49</u>	<u>6.61</u>	<u>-158.1</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____

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

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1/14/24

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[Signature]
Prairie

Date

Name

Signature

Company

FIELD INFORMATION FORM
Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

L193811

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 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)
<u>01/04/2024</u>	<u>12:00</u>	<u>7.01</u>	<u>29427</u>	<u>26.6</u>	<u>63.44</u>	<u>2.57</u>	<u>-172.7</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____

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

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1/4/24 Ryan Wallen [Signature] promis
1 C. Fincher [Signature] _____
Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVWF

U1693811

Sample I.D. LCS-7

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/04/2024</u>	<u>1600</u>	<u>7.03</u>	<u>29747</u>	<u>26.0</u>	<u>34.52</u>	<u>3.69</u>	<u>-149.2</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: 1/e3 Color: Yellow/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: _____

1, 4, 24 C. Fincher [Signature] Prany

 Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

L169384

Sample I.D. LCS-8

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D D - Direct Sampling Equipment: S D - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
01/04/2024	1700	6.86	16070	24.8	484.71	4.77	2.1

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: _____

1, 4, 124
C. Fincher

Pring

1 / 1
Name
Signature
Company

Date
Name
Signature
Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

Sample I.D. LCS-9

L1693811

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/05/2024</u>	<u>0900</u>	<u>7.33</u>	<u>18197</u>	<u>26.7</u>	<u>42.46</u>	<u>5.01</u>	<u>6.4</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Brown Other: _____
 Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change): Snow, 30-40s

Direction/Speed: SE @ 5-10 mph Precipitation: Y or N

Specific Comments: _____

1, 5, 24 C. Fowler [Signature] [Signature]

Date Name Signature Company

FIELD INFORMATION FORM
Surface Water, Stormwater and Leachate



Site Name: EVLF

Sample I.D.: LCS-10

Laboratory Use Only / Lab I.D.:

1169381

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/05/2024</u>	<u>1000</u>	<u>7.31</u>	<u>26759</u>	<u>30.1</u>	<u>40.24</u>	<u>2.19</u>	<u>-205.4</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown Other: _____
Sheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

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C. Fincher

Prong

Date

Name

Signature

Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: EVLF

Sample I.D. LCS-11

L1693811

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel
 V - Visual 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)
<u>01/05/2024</u>	<u>1100</u>	<u>7.45</u>	<u>27091</u>	<u>30.2</u>	<u>1294.51</u>	<u>2.16</u> <u>416 GF</u>	<u>-185.6</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: yes Color: Black Other: _____
Sheen Present Y or N Foam Present: X or N Floating Solids: X or N

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

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Date Name Signature Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Site Name: EVLF

Sample I.D.: LCS-12

Laboratory Use Only / Lab I.D.:

11693811

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp 'C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/05/2024</u>	<u>1200</u>	<u>7.35</u>	<u>45713</u>	<u>29.3</u>	<u>43.98</u>	<u>4.20</u>	<u>-131.7</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Black Other: _____

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

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

Direction/Speed: _____ Precipitation: Y or N

Specific Comments: _____

1.5.24

C. Kinler

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Date

Name

Signature

Company

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:
11693811

Site Name: EVLF

Sample I.D. Leachate Composite

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D - Direct Sampling Equipment: S D - Dipper S - Sample Bottle
 I - Indirect T - Transfer Vessel O - Other
 V - Visual

Sample Type: Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
<u>01/05/2024</u>	<u>1300</u>	<u>6.91</u>	<u>20187</u>	<u>19.6</u>	<u>201.71</u>	<u>1.76</u>	<u>-143.2</u>

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: Yes Color: Brown/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: _____

1.5.24 C. Finley [Signature] Prong

 Date Name Signature Company

L1693811

<u>Tracking Numbers</u>			<u>Temperature</u>
7210	2110	8499	CCAB $0.5 + 0 = 0.5$
7210	2110	8422	CCAB $2.3 + 0 = 2.3$
7210	2110	8455	CCAB $3.3 + 0 = 3.3$
7210	2110	8385	CCAB $0.1 + 0 = 0.1$
7210	2110	8444	CCAB $4.9 + 0 = 4.9$
7210	2110	8396	CCAB $0.1 + 0 = 0.1$
7210	2110	8411	CCAB $0.1 + 0 = 0.1$
7210	2110	8374	CCAB $0.6 + 0 = 0.6$
7210	2110	8433	CCAB $3.2 + 0 = 3.2$
7210	2110	8488	CCAB $1.3 + 0 = 1.3$
7210	2110	8400	CCAB $3.7 + 0 = 3.7$
7210	2110	8477	CCAB $2.8 + 0 = 2.8$

Camb Trep

Name

1/6/24

Date

1/6-NCF-L1693811 WMECOVISAR

R5

Time estimate: oh

Time spent: oh

Grouping date: 9 January 2024

Members



Hailey Robertson (responsible)



SK Stacy Kennedy

Due on ~~10 January 2024 8:00 AM~~ for target ~~Done~~ (Was done by Hailey Robertson at 9 January 2024 11:53 AM)

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

Comments

- Hailey Robertson* *6 January 2024 2:48 PM*

1) Metals and TOC containers are not in pH for all IDs.
2) Missing ID: LEACHATE-COMPOSITE
- Stacy Kennedy* *9 January 2024 8:46 AM*

1) Sample matrix is leachate a leachate type matrix. Preserve and continue.
2) Missing bottles were received with L1693756 NCF. Both NCF's answered.
- Hailey Robertson* *9 January 2024 11:53 AM*

Done

1693811

Devin Piedimonte

9 January 2024 12:03 PM

Added missing sample. Logged and labeled. Thank you for your time and help!

L1693811

<u>Tracking Numbers</u>			<u>Temperature</u>
7210	2110	8499	CCAB $0.5 + 0 = 0.5$
7210	2110	8422	CCAB $2.3 + 0 = 2.3$
7210	2110	8455	CCAB $3.3 + 0 = 3.3$
7210	2110	8385	CCAB $0.1 + 0 = 0.1$
7210	2110	8444	CCAB $4.9 + 0 = 4.9$
7210	2110	8396	CCAB $0.1 + 0 = 0.1$
7210	2110	8411	CCAB $0.1 + 0 = 0.1$
7210	2110	8374	CCAB $0.6 + 0 = 0.6$
7210	2110	8433	CCAB $3.2 + 0 = 3.2$
7210	2110	8488	CCAB $1.3 + 0 = 1.3$
7210	2110	8400	CCAB $3.7 + 0 = 3.7$
7210	2110	8477	CCAB $2.8 + 0 = 2.8$

Camb Trep

Name

1/6/24

Date

1/6-NCF-L1693811 WMECOVISAR

R5

Time estimate: oh

Time spent: oh

Grouping date: 9 January 2024

Members



Hailey Robertson (responsible)



SK Stacy Kennedy

Due on ~~10 January 2024 8:00 AM~~ for target ~~Done~~ (Was done by Hailey Robertson at 9 January 2024 11:53 AM)

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

Comments

- Hailey Robertson* *6 January 2024 2:48 PM*

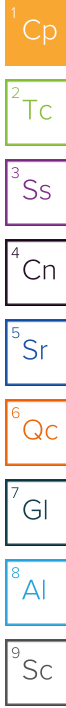
1) Metals and TOC containers are not in pH for all IDs.
2) Missing ID: LEACHATE-COMPOSITE
- Stacy Kennedy* *9 January 2024 8:46 AM*

1) Sample matrix is leachate a leachate type matrix. Preserve and continue.
2) Missing bottles were received with L1693756 NCF. Both NCF's answered.
- Hailey Robertson* *9 January 2024 11:53 AM*

Done

1693811

Devin Piedimonte
 9 January 2024 12:03 PM
 Added missing sample. Logged and labeled. Thank you for your time and help!



Eco-Vista (Tontitown)LF

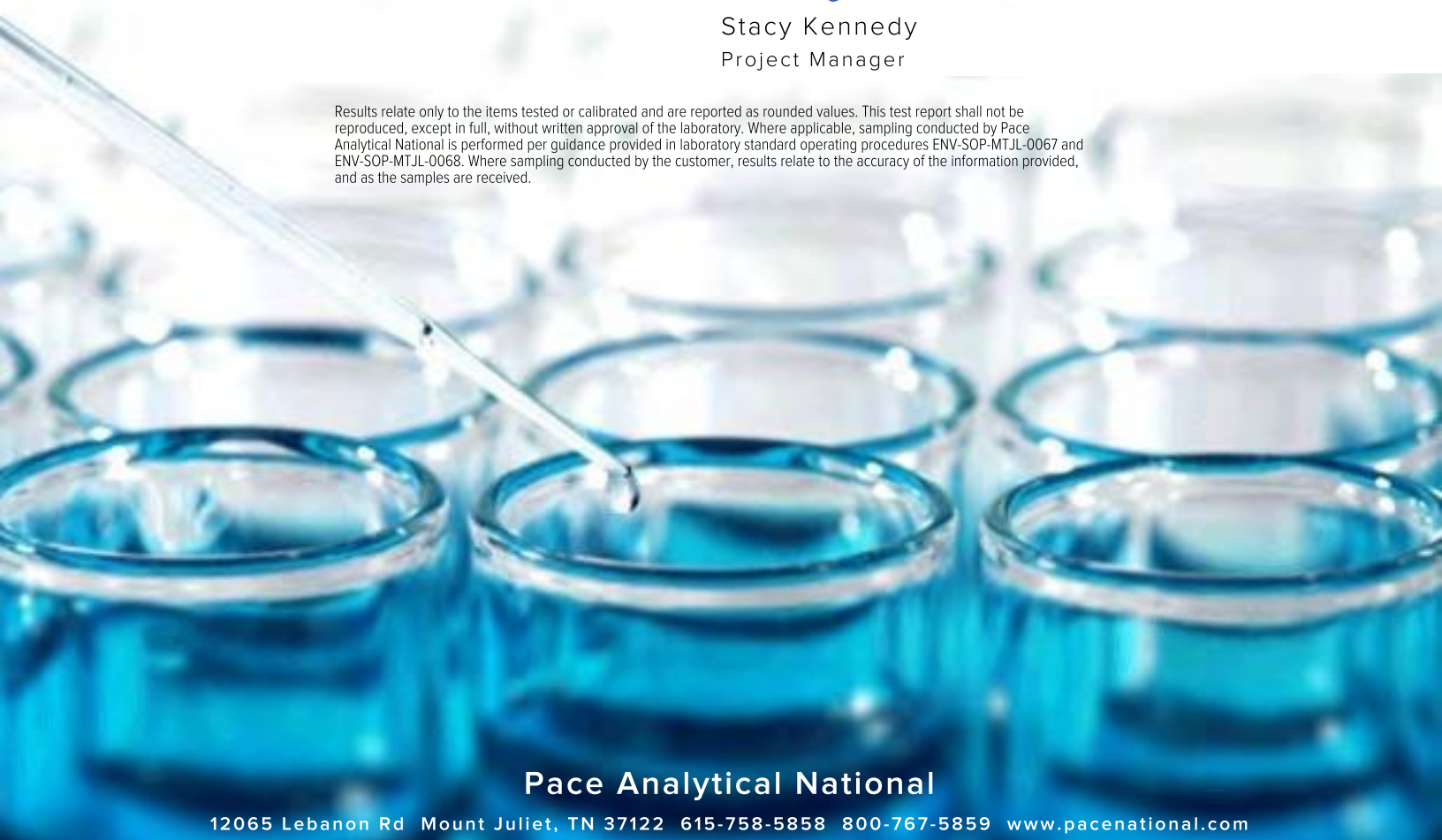
Sample Delivery Group: L1695971
Samples Received: 01/12/2024
Project Number: 300
Description: Eco-Vista LF- Tri-Annual Event '18 '21 '24
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

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.

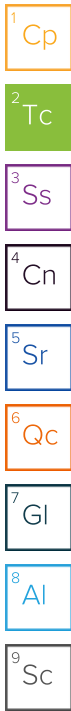


Pace Analytical National

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

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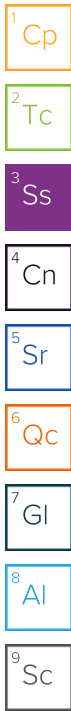


SAMPLE SUMMARY

LGW-7 L1695971-01 GW

Collected by
Ryan Wallen
Collected date/time
01/09/24 15:55
Received date/time
01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2210738	1	01/22/24 14:28	01/22/24 16:33	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 06:37	01/21/24 06:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:35	01/13/24 10:35	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:41	01/20/24 21:41	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:29	01/13/24 14:29	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2206392	1	01/13/24 09:35	01/14/24 20:38	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/12/24 22:53	01/12/24 22:53	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 16:02	01/14/24 16:02	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:41	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:09	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 21:52	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 13:39	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 13:58	01/15/24 13:58	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 03:16	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 01:06	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 01:06	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/26/24 22:32	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 20:14	AMS	Mt. Juliet, TN



LGW-6 L1695971-02 GW

Collected by
Ryan Wallen
Collected date/time
01/09/24 14:25
Received date/time
01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2210738	1	01/22/24 14:28	01/22/24 16:33	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 06:42	01/21/24 06:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:38	01/13/24 10:38	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:45	01/20/24 21:45	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:29	01/13/24 14:29	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2206392	1	01/13/24 09:35	01/14/24 20:41	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/12/24 23:44	01/12/24 23:44	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 16:38	01/14/24 16:38	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:44	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:12	JTM	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2215449	5	01/30/24 09:43	01/30/24 17:29	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 21:55	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 13:44	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 14:18	01/15/24 14:18	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 03:27	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 01:16	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 01:16	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/26/24 22:54	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 17:02	JRM	Mt. Juliet, TN

LGW-9 L1695971-03 GW

Collected by
Ryan Wallen
Collected date/time
01/09/24 11:15
Received date/time
01/12/24 09:00

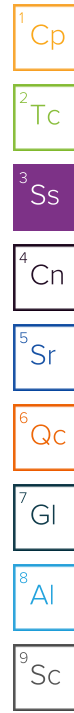
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2210738	1	01/22/24 14:28	01/22/24 16:33	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 06:47	01/21/24 06:47	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:42	01/13/24 10:42	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:46	01/20/24 21:46	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:29	01/13/24 14:29	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2206392	1	01/13/24 09:35	01/14/24 20:42	LDT	Mt. Juliet, TN

SAMPLE SUMMARY

LGW-9 L1695971-03 GW

Collected by: Ryan Wallen
 Collected date/time: 01/09/24 11:15
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2206429	1	01/12/24 23:56	01/12/24 23:56	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 16:57	01/14/24 16:57	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:46	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:15	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 21:58	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 13:48	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 14:39	01/15/24 14:39	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 03:38	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 01:26	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 01:26	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/26/24 23:16	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 17:20	JRM	Mt. Juliet, TN



LGW-10 L1695971-04 GW

Collected by: Ryan Wallen
 Collected date/time: 01/09/24 12:40
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2210738	1	01/22/24 14:28	01/22/24 16:33	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 06:53	01/21/24 06:53	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:45	01/13/24 10:45	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:48	01/20/24 21:48	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:30	01/13/24 14:30	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2206392	1	01/13/24 09:35	01/14/24 20:44	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 00:09	01/13/24 00:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 17:16	01/14/24 17:16	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 17:56	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:18	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:02	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 13:53	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 14:59	01/15/24 14:59	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 03:49	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 01:37	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 01:37	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/26/24 23:38	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 17:37	JRM	Mt. Juliet, TN

LGW-14R L1695971-05 GW

Collected by: Ryan Wallen
 Collected date/time: 01/11/24 09:25
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2210738	1	01/22/24 14:28	01/22/24 16:33	MMF	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 06:59	01/21/24 06:59	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:48	01/13/24 10:48	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:49	01/20/24 21:49	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:30	01/13/24 14:30	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2206392	1	01/13/24 09:35	01/14/24 20:45	LDT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 00:47	01/13/24 00:47	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 17:35	01/14/24 17:35	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:49	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:21	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:05	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 14:06	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 15:20	01/15/24 15:20	DYW	Mt. Juliet, TN

SAMPLE SUMMARY

LGW-14R L1695971-05 GW

Collected by: Ryan Wallen
 Collected date/time: 01/11/24 09:25
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 04:00	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 01:47	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 01:47	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 00:00	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 17:55	JRM	Mt. Juliet, TN



MW-1N L1695971-06 GW

Collected by: Ryan Wallen
 Collected date/time: 01/10/24 11:15
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2206960	1	01/13/24 18:28	01/14/24 12:40	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 07:04	01/21/24 07:04	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:54	01/13/24 10:54	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:54	01/20/24 21:54	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:30	01/13/24 14:30	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2207353	1	01/14/24 17:08	01/16/24 15:32	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 01:00	01/13/24 01:00	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 17:54	01/14/24 17:54	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:51	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:29	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:08	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 14:10	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 15:40	01/15/24 15:40	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 04:11	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 01:57	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 01:57	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 00:22	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 18:12	JRM	Mt. Juliet, TN



MW-2N L1695971-07 GW

Collected by: Ryan Wallen
 Collected date/time: 01/10/24 12:30
 Received date/time: 01/12/24 09:00

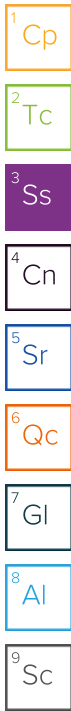
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2206960	1	01/13/24 18:28	01/14/24 12:40	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 07:10	01/21/24 07:10	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:56	01/13/24 10:56	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	2	01/20/24 21:55	01/20/24 21:55	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:31	01/13/24 14:31	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2207353	1	01/14/24 17:08	01/16/24 15:36	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 01:13	01/13/24 01:13	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 19:35	01/14/24 19:35	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:54	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:32	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:11	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 14:15	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 16:01	01/15/24 16:01	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 04:22	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 02:07	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 02:07	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 00:44	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 18:30	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-7N L1695971-08 GW

Collected by: Ryan Wallen
 Collected date/time: 01/11/24 13:20
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2206960	1	01/13/24 18:28	01/14/24 12:40	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 07:26	01/21/24 07:26	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:57	01/13/24 10:57	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	5	01/20/24 21:57	01/20/24 21:57	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:32	01/13/24 14:32	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2207353	5	01/14/24 17:08	01/16/24 15:38	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 01:26	01/13/24 01:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 19:54	01/14/24 19:54	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:56	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:35	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:15	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 14:19	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 16:21	01/15/24 16:21	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 04:33	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 02:17	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 02:17	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 01:06	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 18:47	JRM	Mt. Juliet, TN



MW-15 L1695971-09 GW

Collected by: Ryan Wallen
 Collected date/time: 01/10/24 14:55
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2206960	1	01/13/24 18:28	01/14/24 12:40	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 07:37	01/21/24 07:37	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 10:59	01/13/24 10:59	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	2	01/20/24 21:58	01/20/24 21:58	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:32	01/13/24 14:32	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2207353	1	01/14/24 17:08	01/16/24 15:39	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 01:38	01/13/24 01:38	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 20:13	01/14/24 20:13	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 18:59	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:38	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:25	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/24/24 18:22	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 14:23	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 16:42	01/15/24 16:42	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 04:44	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 02:27	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 02:27	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 01:28	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 19:22	AMS	Mt. Juliet, TN

MW-16 L1695971-10 GW

Collected by: Ryan Wallen
 Collected date/time: 01/10/24 15:40
 Received date/time: 01/12/24 09:00

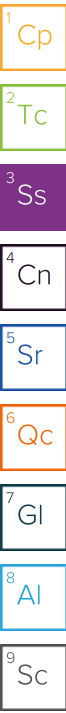
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2206960	1	01/13/24 18:28	01/14/24 12:40	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207367	1	01/21/24 07:42	01/21/24 07:42	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 11:00	01/13/24 11:00	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 21:59	01/20/24 21:59	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:32	01/13/24 14:32	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2207353	1	01/14/24 17:08	01/16/24 15:43	UNP	Mt. Juliet, TN

SAMPLE SUMMARY

MW-16 L1695971-10 GW

Collected by: Ryan Wallen
 Collected date/time: 01/10/24 15:40
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 01:51	01/13/24 01:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 20:30	01/14/24 20:30	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206433	1	01/17/24 11:14	01/17/24 19:01	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206793	1	01/17/24 12:41	01/18/24 14:41	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/23/24 22:28	SJM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2206801	1	01/15/24 08:19	01/24/24 18:25	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212236	1	01/25/24 01:43	01/25/24 14:28	SJM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 17:03	01/15/24 17:03	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 05:28	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 02:38	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 02:38	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 01:50	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 19:39	AMS	Mt. Juliet, TN



MW-19 L1695971-11 GW

Collected by: Ryan Wallen
 Collected date/time: 01/11/24 12:05
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2206960	1	01/13/24 18:28	01/14/24 12:40	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207368	1	01/18/24 09:20	01/18/24 09:20	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2206639	1	01/13/24 11:02	01/13/24 11:02	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	2	01/20/24 22:00	01/20/24 22:00	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2206839	1	01/13/24 14:33	01/13/24 14:33	EPW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2207353	1	01/14/24 17:08	01/16/24 15:45	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2206429	1	01/13/24 02:04	01/13/24 02:04	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2206689	1	01/14/24 21:03	01/14/24 21:03	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2206975	1	01/14/24 11:26	01/17/24 20:29	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2206795	1	01/17/24 09:07	01/17/24 19:56	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208511	1	01/18/24 12:25	01/28/24 18:37	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2207502	1	01/15/24 17:23	01/15/24 17:23	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207108	1	01/16/24 10:17	01/17/24 05:40	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2206634	1	01/16/24 13:55	01/17/24 02:48	LS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2206634	1	01/16/24 13:55	01/17/24 02:48	LS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 02:11	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2206616	1	01/13/24 07:05	01/27/24 19:57	AMS	Mt. Juliet, TN

DUP-2 L1695971-12 GW

Collected by: Ryan Wallen
 Collected date/time: 01/11/24 09:25
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2208258	1	01/17/24 15:54	01/17/24 16:31	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2207364	1	01/18/24 11:32	01/18/24 11:32	ARD	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2209141	1	01/19/24 13:06	01/19/24 13:06	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2209597	1	01/20/24 22:02	01/20/24 22:02	AEC	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2207915	1	01/17/24 11:20	01/17/24 11:20	CAH	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2208142	1	01/17/24 18:16	01/19/24 17:49	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2207803	1	01/16/24 20:59	01/16/24 20:59	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2207930	1	01/17/24 11:41	01/17/24 11:41	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2207965	1	01/17/24 14:22	01/18/24 12:17	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2207882	1	01/18/24 12:40	01/18/24 22:22	CCE	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2208511	1	01/18/24 12:25	01/28/24 18:41	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2208442	1	01/18/24 00:02	01/18/24 00:02	DYW	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2207844	1	01/17/24 09:02	01/19/24 01:15	AMM	Mt. Juliet, TN

SAMPLE SUMMARY

DUP-2 L1695971-12 GW

Collected by: Ryan Wallen
 Collected date/time: 01/11/24 09:25
 Received date/time: 01/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Pesticides (GC) by Method 8081	WG2207944	1	01/17/24 13:20	01/17/24 21:42	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2207944	1	01/17/24 13:20	01/17/24 21:42	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2207873	1	01/17/24 11:25	01/25/24 17:18	JRM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2207873	1	01/17/24 11:25	01/26/24 20:36	AMS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2207873	10	01/17/24 11:25	01/29/24 16:37	JRM	Mt. Juliet, TN

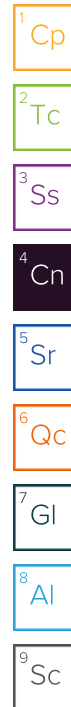
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

CASE NARRATIVE

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



Stacy Kennedy
Project Manager



Project Comments

-01 through -05 TDS was initially analyzed within hold time. The lab reanalyzed the samples upon data review; however, sample hold time was not met. Results are consistent with historical records. SK 1/31/24

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

Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2210738	2540 C-2011	L1695971-01, 02, 03, 04, 05

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
WG2208258	(DUP) R4024516-3, L1695971-12	Dissolved Solids
WG2210738	(DUP) R4025973-3, (DUP) R4025973-4	Dissolved Solids

Wet Chemistry by Method 9012B

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

Batch	Lab Sample ID	Analytes
WG2206392	(MS) R4022961-3, (MSD) R4022961-4	Cyanide
WG2207353	(MSD) R4023354-4, L1695971-06	Cyanide
WG2208142	(MS) R4024431-5, (MSD) R4024431-6	Cyanide

Wet Chemistry by Method 9056A

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

Batch	Lab Sample ID	Analytes
WG2207803	(MS) R4023860-7	Chloride

CASE NARRATIVE

Wet Chemistry by Method 9060A

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

Batch	Lab Sample ID	Analytes
WG2206689	(DUP) R4023187-3, L1695971-01	TOC

Metals (ICP) by Method 6010B

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

Batch	Lab Sample ID	Analytes
WG2206793	(MS) R4024015-4, (MSD) R4024015-5	Calcium, Total Recoverable

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2206795	L1695971-11	Calcium, Total Recoverable, Magnesium, Total Recoverable and Sodium, Total Recoverable

Metals (ICPMS) by Method 6020

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

Batch	Lab Sample ID	Analytes
WG2206801	(MS) R4025629-4	Antimony, Total Recoverable

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

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

Batch	Lab Sample ID	Analytes
WG2207502	(LCS) R4023311-1, L1695971-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11	Acrolein and Vinyl acetate
WG2208442	(LCS) R4023978-1, (LCSD) R4023978-2, L1695971-12	Bromomethane

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

Batch	Lab Sample ID	Analytes
WG2208442	(LCSD) R4023978-2, L1695971-12	Dichlorodifluoromethane and Vinyl acetate

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2207108	(LCS) R4023684-2	2,4,5-T, 2,4,5-Tp (Silvex) and 2,4-D
WG2207108	(LCSD) R4023684-3	2,4-D

Polychlorinated Biphenyls (GC) by Method 8082

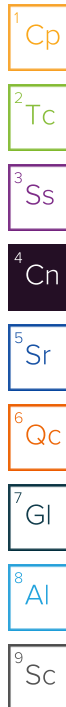
The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2207944	(LCSD) R4023756-3, L1695971-12	PCB 1260

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

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG2206616	2-Fluorophenol	(BLANK) R4027136-3
WG2206616	Phenol-d5	(BLANK) R4027136-3



CASE NARRATIVE

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

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

Batch	Lab Sample ID	Analytes
WG2206616	(LCS) R4026948-1, (LCS) R4027136-1, (LCSD) R4027136-2, L1695971-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11	1,4-Naphthoquinone, 4-Chloro-3-methylphenol and p-Phenylenediamine
WG2207873	(LCS) R4027218-1, L1695971-12	1,4-Naphthoquinone and p-Phenylenediamine

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

Batch	Lab Sample ID	Analytes
WG2206616	(LCS) R4026948-1, L1695971-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11	2-Acetylaminofluorene

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.33	su
Specific Conductance (on site)	658	umhos/cm
Temperature (on-site)	13.1	Deg. C
Turbidity (on-site)	2.7	NTU
Dissolved Oxygen (on-site)	1.9	mg/l
eH/ORP (On Site)	52.9	mV
Depth to water (DTW) (FROM TOC)	43.59	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	356	Q	10.0	1	01/22/2024 16:33	WG2210738

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	337		10.0	1	01/21/2024 06:37	WG2207367
Alkalinity,Bicarbonate	337		10.0	1	01/21/2024 06:37	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 06:37	WG2207367

Sample Narrative:

L1695971-01 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:35	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.81		0.100	1	01/20/2024 21:41	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:29	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/14/2024 20:38	WG2206392

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	19.8		3.00	1	01/12/2024 22:53	WG2206429
Sulfate	ND		5.00	1	01/12/2024 22:53	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND	P1	1.00	1	01/14/2024 16:02	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:41	WG2206433

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	01/18/2024 14:09	WG2206793
Barium, Total Recoverable	0.0609		0.00500	1	01/18/2024 14:09	WG2206793
Calcium, Total Recoverable	131		0.200	1	01/18/2024 14:09	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:09	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:09	WG2206793
Magnesium, Total Recoverable	2.76		0.200	1	01/18/2024 14:09	WG2206793
Manganese, Total Recoverable	0.0943		0.00300	1	01/18/2024 14:09	WG2206793
Sodium, Total Recoverable	8.23		5.00	1	01/18/2024 14:09	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:09	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:09	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:09	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 21:52	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 21:52	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 21:52	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 21:52	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 21:52	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 21:52	WG2206801
Nickel, Total Recoverable	0.00467		0.00400	1	01/23/2024 21:52	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 21:52	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 21:52	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 21:52	WG2206801
Zinc, Total Recoverable	0.0403		0.00500	1	01/25/2024 13:39	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 13:58	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 13:58	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 13:58	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 13:58	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 13:58	WG2207502



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 13:58	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 13:58	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 13:58	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 13:58	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 13:58	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 13:58	WG2207502
Acetone	ND		11.3	1	01/15/2024 13:58	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 13:58	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 13:58	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 13:58	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 13:58	WG2207502
Benzene	ND		1.00	1	01/15/2024 13:58	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Bromoform	ND		1.00	1	01/15/2024 13:58	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 13:58	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 13:58	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 13:58	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Chloroform	ND		1.00	1	01/15/2024 13:58	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 13:58	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 13:58	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 13:58	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 13:58	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Isobutanol	ND		110	1	01/15/2024 13:58	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 13:58	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 13:58	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 13:58	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 13:58	WG2207502
Styrene	ND		1.00	1	01/15/2024 13:58	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 13:58	WG2207502
Toluene	ND		1.00	1	01/15/2024 13:58	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 13:58	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 13:58	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 13:58	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 13:58	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 13:58	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 13:58	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 13:58	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 13:58	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 13:58	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 13:58	WG2207502
(S) Toluene-d8	103			80.0-120	01/15/2024 13:58	WG2207502
(S) 1,2-Dichloroethane-d4	100			70.0-130	01/15/2024 13:58	WG2207502
(S) 4-Bromofluorobenzene	97.4			77.0-126	01/15/2024 13:58	WG2207502

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

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 03:16	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 03:16	WG2207108
2,4-D	ND		4.00	1	01/17/2024 03:16	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	82.0			14.0-158	01/17/2024 03:16	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 01:06	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 01:06	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 01:06	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 01:06	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 01:06	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 01:06	WG2206634
Chlordane	ND		0.500	1	01/17/2024 01:06	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 01:06	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 01:06	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 01:06	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 01:06	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 01:06	WG2206634
Endrin	ND		0.0500	1	01/17/2024 01:06	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 01:06	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 01:06	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 01:06	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 01:06	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 01:06	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 01:06	WG2206634
(S) Decachlorobiphenyl	79.9			10.0-128	01/17/2024 01:06	WG2206634
(S) Tetrachloro-m-xylene	67.3			10.0-127	01/17/2024 01:06	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 01:06	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 01:06	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 01:06	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 01:06	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 01:06	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 01:06	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 01:06	WG2206634
(S) Decachlorobiphenyl	86.9			10.0-128	01/17/2024 01:06	WG2206634
(S) Tetrachloro-m-xylene	73.4			10.0-127	01/17/2024 01:06	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/26/2024 22:32	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/26/2024 22:32	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 20:14	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 20:14	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 20:14	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 20:14	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/26/2024 22:32	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/26/2024 22:32	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/26/2024 22:32	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/26/2024 22:32	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/26/2024 22:32	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/26/2024 22:32	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/26/2024 22:32	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/26/2024 22:32	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 20:14	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/26/2024 22:32	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 20:14	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/26/2024 22:32	WG2206616
2-Chlorophenol	ND		10.0	1	01/26/2024 22:32	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/26/2024 22:32	WG2206616
2-Methylphenol	ND		10.0	1	01/26/2024 22:32	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 20:14	WG2206616
2-Nitroaniline	ND		50.0	1	01/26/2024 22:32	WG2206616
2-Nitrophenol	ND		10.0	1	01/26/2024 22:32	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/26/2024 22:32	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/26/2024 22:32	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 20:14	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 20:14	WG2206616
3-Nitroaniline	ND		50.0	1	01/26/2024 22:32	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/26/2024 22:32	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 20:14	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/26/2024 22:32	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/26/2024 22:32	WG2206616
4-Chloroaniline	ND		10.0	1	01/26/2024 22:32	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/26/2024 22:32	WG2206616
4-Nitroaniline	ND		50.0	1	01/26/2024 22:32	WG2206616
4-Nitrophenol	ND		50.0	1	01/26/2024 22:32	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 20:14	WG2206616
Acenaphthene	ND		10.0	1	01/26/2024 22:32	WG2206616
Acenaphthylene	ND		10.0	1	01/26/2024 22:32	WG2206616
Acetophenone	ND		10.0	1	01/26/2024 22:32	WG2206616
Anthracene	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzyl Alcohol	ND		10.0	1	01/26/2024 22:32	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/26/2024 22:32	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/26/2024 22:32	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/26/2024 22:32	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/26/2024 22:32	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 20:14	WG2206616
Chrysene	ND		10.0	1	01/26/2024 22:32	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/26/2024 22:32	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/26/2024 22:32	WG2206616
Diallate	ND		20.0	1	01/27/2024 20:14	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/26/2024 22:32	WG2206616
Dibenzofuran	ND		10.0	1	01/26/2024 22:32	WG2206616
Diethyl phthalate	ND		10.0	1	01/26/2024 22:32	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 20:14	WG2206616
Dimethyl phthalate	ND		10.0	1	01/26/2024 22:32	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 20:14	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 20:14	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/26/2024 22:32	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 20:14	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 20:14	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 20:14	WG2206616
Famphur	ND		200	1	01/27/2024 20:14	WG2206616
Fluoranthene	ND		1.00	1	01/26/2024 22:32	WG2206616
Fluorene	ND		10.0	1	01/26/2024 22:32	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/26/2024 22:32	WG2206616
Hexachlorobenzene	ND		10.0	1	01/26/2024 22:32	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/26/2024 22:32	WG2206616
Hexachloroethane	ND		10.0	1	01/26/2024 22:32	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 20:14	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/26/2024 22:32	WG2206616
Isodrin	ND		10.0	1	01/27/2024 20:14	WG2206616
Isophorone	ND		10.0	1	01/26/2024 22:32	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 20:14	WG2206616
Kepone	ND		1.88	1	01/27/2024 20:14	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 20:14	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 20:14	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 20:14	WG2206616
Naphthalene	ND		10.0	1	01/26/2024 22:32	WG2206616
Nitrobenzene	ND		10.0	1	01/26/2024 22:32	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 20:14	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 20:14	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 20:14	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 20:14	WG2206616
Pentachlorophenol	ND		50.0	1	01/26/2024 22:32	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 20:14	WG2206616
Phenanthrene	ND		20.0	1	01/26/2024 22:32	WG2206616
Phenol	ND		10.0	1	01/26/2024 22:32	WG2206616
Phorate	ND		50.0	1	01/27/2024 20:14	WG2206616
Pronamide	ND		20.0	1	01/27/2024 20:14	WG2206616
Pyrene	ND		10.0	1	01/26/2024 22:32	WG2206616
Safrole	ND		50.0	1	01/27/2024 20:14	WG2206616
Thionazin	ND		10.0	1	01/27/2024 20:14	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 20:14	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/26/2024 22:32	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 20:14	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/26/2024 22:32	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/26/2024 22:32	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 20:14	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 20:14	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 20:14	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 20:14	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 20:14	WG2206616
(S) 2-Fluorophenol	18.3			10.0-120	01/26/2024 22:32	WG2206616
(S) 2,4,6-Tribromophenol	55.8			10.0-155	01/26/2024 22:32	WG2206616
(S) p-Terphenyl-d14	76.5			10.0-128	01/26/2024 22:32	WG2206616
(S) Phenol-d5	13.5			10.0-120	01/26/2024 22:32	WG2206616
(S) 2-Fluorobiphenyl	62.1			10.0-130	01/26/2024 22:32	WG2206616
(S) Nitrobenzene-d5	44.4			10.0-127	01/26/2024 22:32	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.13	su
Specific Conductance (on site)	720	umhos/cm
Temperature (on-site)	7.1	Deg. C
Turbidity (on-site)	6.1	NTU
Dissolved Oxygen (on-site)	1	mg/l
eH/ORP (On Site)	-15.8	mV
Depth to water (DTW) (FROM TOC)	51.43	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	404	Q	10.0	1	01/22/2024 16:33	WG2210738

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	386		10.0	1	01/21/2024 06:42	WG2207367
Alkalinity,Bicarbonate	386		10.0	1	01/21/2024 06:42	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 06:42	WG2207367

Sample Narrative:

L1695971-02 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:38	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/20/2024 21:45	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:29	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/14/2024 20:41	WG2206392

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	17.4		3.00	1	01/12/2024 23:44	WG2206429
Sulfate	ND		5.00	1	01/12/2024 23:44	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 16:38	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:44	WG2206433

Metals (ICP) by Method 6010B

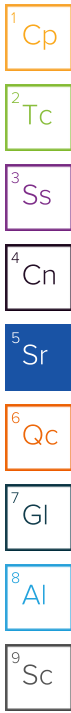
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	01/18/2024 14:12	WG2206793
Barium, Total Recoverable	0.215		0.00500	1	01/18/2024 14:12	WG2206793
Calcium, Total Recoverable	120		0.200	1	01/18/2024 14:12	WG2206793
Iron, Total Recoverable	2.17		0.0600	1	01/18/2024 14:12	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:12	WG2206793
Magnesium, Total Recoverable	4.63		0.200	1	01/18/2024 14:12	WG2206793
Manganese, Total Recoverable	36.3		0.00600	5	01/30/2024 17:29	WG2215449
Sodium, Total Recoverable	10.4		5.00	1	01/18/2024 14:12	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:12	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:12	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:12	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 21:55	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 21:55	WG2206801
Cadmium, Total Recoverable	0.00117		0.00100	1	01/23/2024 21:55	WG2206801
Cobalt, Total Recoverable	0.0334		0.00300	1	01/23/2024 21:55	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 21:55	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 21:55	WG2206801
Nickel, Total Recoverable	0.191		0.00400	1	01/23/2024 21:55	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 21:55	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 21:55	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 21:55	WG2206801
Zinc, Total Recoverable	0.153		0.00500	1	01/25/2024 13:44	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 14:18	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 14:18	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 14:18	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 14:18	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 14:18	WG2207502



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 14:18	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 14:18	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 14:18	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 14:18	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 14:18	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 14:18	WG2207502
Acetone	ND		11.3	1	01/15/2024 14:18	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 14:18	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 14:18	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 14:18	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 14:18	WG2207502
Benzene	ND		1.00	1	01/15/2024 14:18	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Bromoform	ND		1.00	1	01/15/2024 14:18	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 14:18	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 14:18	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 14:18	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Chloroform	ND		1.00	1	01/15/2024 14:18	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 14:18	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 14:18	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 14:18	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 14:18	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Isobutanol	ND		110	1	01/15/2024 14:18	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 14:18	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 14:18	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 14:18	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 14:18	WG2207502
Styrene	ND		1.00	1	01/15/2024 14:18	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 14:18	WG2207502
Toluene	ND		1.00	1	01/15/2024 14:18	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 14:18	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 14:18	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 14:18	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 14:18	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 14:18	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 14:18	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 14:18	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 14:18	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 14:18	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 14:18	WG2207502
(S) Toluene-d8	102			80.0-120	01/15/2024 14:18	WG2207502
(S) 1,2-Dichloroethane-d4	99.7			70.0-130	01/15/2024 14:18	WG2207502
(S) 4-Bromofluorobenzene	96.7			77.0-126	01/15/2024 14:18	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 03:27	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 03:27	WG2207108
2,4-D	ND		4.00	1	01/17/2024 03:27	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	81.8			14.0-158	01/17/2024 03:27	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 01:16	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 01:16	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 01:16	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 01:16	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 01:16	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 01:16	WG2206634
Chlordane	ND		0.500	1	01/17/2024 01:16	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 01:16	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 01:16	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 01:16	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 01:16	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 01:16	WG2206634
Endrin	ND		0.0500	1	01/17/2024 01:16	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 01:16	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 01:16	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 01:16	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 01:16	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 01:16	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 01:16	WG2206634
(S) Decachlorobiphenyl	52.4			10.0-128	01/17/2024 01:16	WG2206634
(S) Tetrachloro-m-xylene	59.9			10.0-127	01/17/2024 01:16	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 01:16	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 01:16	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 01:16	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 01:16	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 01:16	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 01:16	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 01:16	WG2206634
(S) Decachlorobiphenyl	56.8			10.0-128	01/17/2024 01:16	WG2206634
(S) Tetrachloro-m-xylene	64.9			10.0-127	01/17/2024 01:16	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/26/2024 22:54	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/26/2024 22:54	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 17:02	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 17:02	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 17:02	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 17:02	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/26/2024 22:54	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/26/2024 22:54	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/26/2024 22:54	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/26/2024 22:54	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/26/2024 22:54	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/26/2024 22:54	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/26/2024 22:54	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/26/2024 22:54	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 17:02	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/26/2024 22:54	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 17:02	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/26/2024 22:54	WG2206616
2-Chlorophenol	ND		10.0	1	01/26/2024 22:54	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/26/2024 22:54	WG2206616
2-Methylphenol	ND		10.0	1	01/26/2024 22:54	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 17:02	WG2206616
2-Nitroaniline	ND		50.0	1	01/26/2024 22:54	WG2206616
2-Nitrophenol	ND		10.0	1	01/26/2024 22:54	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/26/2024 22:54	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/26/2024 22:54	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 17:02	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 17:02	WG2206616
3-Nitroaniline	ND		50.0	1	01/26/2024 22:54	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/26/2024 22:54	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 17:02	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/26/2024 22:54	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/26/2024 22:54	WG2206616
4-Chloroaniline	ND		10.0	1	01/26/2024 22:54	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/26/2024 22:54	WG2206616
4-Nitroaniline	ND		50.0	1	01/26/2024 22:54	WG2206616
4-Nitrophenol	ND		50.0	1	01/26/2024 22:54	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 17:02	WG2206616
Acenaphthene	ND		10.0	1	01/26/2024 22:54	WG2206616
Acenaphthylene	ND		10.0	1	01/26/2024 22:54	WG2206616
Acetophenone	ND		10.0	1	01/26/2024 22:54	WG2206616
Anthracene	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzyl Alcohol	ND		10.0	1	01/26/2024 22:54	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/26/2024 22:54	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/26/2024 22:54	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/26/2024 22:54	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/26/2024 22:54	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 17:02	WG2206616
Chrysene	ND		10.0	1	01/26/2024 22:54	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/26/2024 22:54	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/26/2024 22:54	WG2206616
Diallate	ND		20.0	1	01/27/2024 17:02	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/26/2024 22:54	WG2206616
Dibenzofuran	ND		10.0	1	01/26/2024 22:54	WG2206616
Diethyl phthalate	ND		10.0	1	01/26/2024 22:54	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 17:02	WG2206616
Dimethyl phthalate	ND		10.0	1	01/26/2024 22:54	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 17:02	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 17:02	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 17:02	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 17:02	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 17:02	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 17:02	WG2206616
Famphur	ND		200	1	01/27/2024 17:02	WG2206616
Fluoranthene	ND		1.00	1	01/26/2024 22:54	WG2206616
Fluorene	ND		10.0	1	01/26/2024 22:54	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/26/2024 22:54	WG2206616
Hexachlorobenzene	ND		10.0	1	01/26/2024 22:54	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/26/2024 22:54	WG2206616
Hexachloroethane	ND		10.0	1	01/26/2024 22:54	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 17:02	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/26/2024 22:54	WG2206616
Isodrin	ND		10.0	1	01/27/2024 17:02	WG2206616
Isophorone	ND		10.0	1	01/26/2024 22:54	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 17:02	WG2206616
Kepone	ND		1.88	1	01/27/2024 17:02	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 17:02	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 17:02	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 17:02	WG2206616
Naphthalene	ND		10.0	1	01/26/2024 22:54	WG2206616
Nitrobenzene	ND		10.0	1	01/26/2024 22:54	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 17:02	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 17:02	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 17:02	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 17:02	WG2206616
Pentachlorophenol	ND		50.0	1	01/26/2024 22:54	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 17:02	WG2206616
Phenanthrene	ND		20.0	1	01/26/2024 22:54	WG2206616
Phenol	ND		10.0	1	01/26/2024 22:54	WG2206616
Phorate	ND		50.0	1	01/27/2024 17:02	WG2206616
Pronamide	ND		20.0	1	01/27/2024 17:02	WG2206616
Pyrene	ND		10.0	1	01/26/2024 22:54	WG2206616
Safrole	ND		50.0	1	01/27/2024 17:02	WG2206616
Thionazin	ND		10.0	1	01/27/2024 17:02	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 17:02	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/26/2024 22:54	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 17:02	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/26/2024 22:54	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/26/2024 22:54	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 17:02	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 17:02	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 17:02	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 17:02	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 17:02	WG2206616
(S) 2-Fluorophenol	20.4			10.0-120	01/26/2024 22:54	WG2206616
(S) 2,4,6-Tribromophenol	62.1			10.0-155	01/26/2024 22:54	WG2206616
(S) p-Terphenyl-d14	69.2			10.0-128	01/26/2024 22:54	WG2206616
(S) Phenol-d5	15.8			10.0-120	01/26/2024 22:54	WG2206616
(S) 2-Fluorobiphenyl	55.5			10.0-130	01/26/2024 22:54	WG2206616
(S) Nitrobenzene-d5	41.1			10.0-127	01/26/2024 22:54	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.15	su
Specific Conductance (on site)	771	umhos/cm
Temperature (on-site)	9.4	Deg. C
Turbidity (on-site)	2.3	NTU
Dissolved Oxygen (on-site)	1.2	mg/l
eH/ORP (On Site)	96.1	mV
Depth to water (DTW) (FROM TOC)	53.7	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	412	Q	10.0	1	01/22/2024 16:33	WG2210738

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	356		10.0	1	01/21/2024 06:47	WG2207367
Alkalinity,Bicarbonate	356		10.0	1	01/21/2024 06:47	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 06:47	WG2207367

Sample Narrative:

L1695971-03 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:42	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.16		0.100	1	01/20/2024 21:46	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:29	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/14/2024 20:42	WG2206392

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	33.6		3.00	1	01/12/2024 23:56	WG2206429
Sulfate	6.93		5.00	1	01/12/2024 23:56	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	1.47		1.00	1	01/14/2024 16:57	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:46	WG2206433

Metals (ICP) by Method 6010B

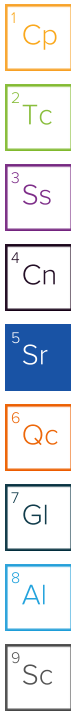
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Silver, Total Recoverable	ND		0.0500	1	01/18/2024 14:15	WG2206793
Barium, Total Recoverable	0.141		0.00500	1	01/18/2024 14:15	WG2206793
Calcium, Total Recoverable	133		0.200	1	01/18/2024 14:15	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:15	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:15	WG2206793
Magnesium, Total Recoverable	8.10		0.200	1	01/18/2024 14:15	WG2206793
Manganese, Total Recoverable	2.66		0.00300	1	01/18/2024 14:15	WG2206793
Sodium, Total Recoverable	21.8		5.00	1	01/18/2024 14:15	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:15	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:15	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:15	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 21:58	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 21:58	WG2206801
Cadmium, Total Recoverable	0.0122		0.00100	1	01/23/2024 21:58	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 21:58	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 21:58	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 21:58	WG2206801
Nickel, Total Recoverable	0.0232		0.00400	1	01/23/2024 21:58	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 21:58	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 21:58	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 21:58	WG2206801
Zinc, Total Recoverable	0.0505		0.00500	1	01/25/2024 13:48	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 14:39	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 14:39	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 14:39	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 14:39	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 14:39	WG2207502



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 14:39	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 14:39	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 14:39	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 14:39	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 14:39	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 14:39	WG2207502
Acetone	ND		11.3	1	01/15/2024 14:39	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 14:39	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 14:39	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 14:39	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 14:39	WG2207502
Benzene	ND		1.00	1	01/15/2024 14:39	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Bromoform	ND		1.00	1	01/15/2024 14:39	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 14:39	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 14:39	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 14:39	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Chloroform	ND		1.00	1	01/15/2024 14:39	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 14:39	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 14:39	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 14:39	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 14:39	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Isobutanol	ND		110	1	01/15/2024 14:39	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 14:39	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 14:39	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 14:39	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 14:39	WG2207502
Styrene	ND		1.00	1	01/15/2024 14:39	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 14:39	WG2207502
Toluene	ND		1.00	1	01/15/2024 14:39	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 14:39	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 14:39	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 14:39	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 14:39	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 14:39	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 14:39	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 14:39	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 14:39	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 14:39	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 14:39	WG2207502
(S) Toluene-d8	103			80.0-120	01/15/2024 14:39	WG2207502
(S) 1,2-Dichloroethane-d4	102			70.0-130	01/15/2024 14:39	WG2207502
(S) 4-Bromofluorobenzene	97.1			77.0-126	01/15/2024 14:39	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 03:38	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 03:38	WG2207108
2,4-D	ND		4.00	1	01/17/2024 03:38	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	149			14.0-158	01/17/2024 03:38	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 01:26	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 01:26	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 01:26	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 01:26	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 01:26	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 01:26	WG2206634
Chlordane	ND		0.500	1	01/17/2024 01:26	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 01:26	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 01:26	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 01:26	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 01:26	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 01:26	WG2206634
Endrin	ND		0.0500	1	01/17/2024 01:26	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 01:26	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 01:26	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 01:26	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 01:26	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 01:26	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 01:26	WG2206634
(S) Decachlorobiphenyl	84.2			10.0-128	01/17/2024 01:26	WG2206634
(S) Tetrachloro-m-xylene	69.1			10.0-127	01/17/2024 01:26	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 01:26	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 01:26	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 01:26	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 01:26	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 01:26	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 01:26	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 01:26	WG2206634
(S) Decachlorobiphenyl	90.9			10.0-128	01/17/2024 01:26	WG2206634
(S) Tetrachloro-m-xylene	74.8			10.0-127	01/17/2024 01:26	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/26/2024 23:16	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/26/2024 23:16	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 17:20	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 17:20	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 17:20	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 17:20	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/26/2024 23:16	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/26/2024 23:16	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/26/2024 23:16	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/26/2024 23:16	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/26/2024 23:16	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/26/2024 23:16	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/26/2024 23:16	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/26/2024 23:16	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 17:20	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/26/2024 23:16	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 17:20	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/26/2024 23:16	WG2206616
2-Chlorophenol	ND		10.0	1	01/26/2024 23:16	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/26/2024 23:16	WG2206616
2-Methylphenol	ND		10.0	1	01/26/2024 23:16	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 17:20	WG2206616
2-Nitroaniline	ND		50.0	1	01/26/2024 23:16	WG2206616
2-Nitrophenol	ND		10.0	1	01/26/2024 23:16	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/26/2024 23:16	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/26/2024 23:16	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 17:20	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 17:20	WG2206616
3-Nitroaniline	ND		50.0	1	01/26/2024 23:16	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/26/2024 23:16	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 17:20	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/26/2024 23:16	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/26/2024 23:16	WG2206616
4-Chloroaniline	ND		10.0	1	01/26/2024 23:16	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/26/2024 23:16	WG2206616
4-Nitroaniline	ND		50.0	1	01/26/2024 23:16	WG2206616
4-Nitrophenol	ND		50.0	1	01/26/2024 23:16	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 17:20	WG2206616
Acenaphthene	ND		10.0	1	01/26/2024 23:16	WG2206616
Acenaphthylene	ND		10.0	1	01/26/2024 23:16	WG2206616
Acetophenone	ND		10.0	1	01/26/2024 23:16	WG2206616
Anthracene	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzyl Alcohol	ND		10.0	1	01/26/2024 23:16	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/26/2024 23:16	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/26/2024 23:16	WG2206616
Bis(2-chlorethoxy)methane	ND		10.0	1	01/26/2024 23:16	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/26/2024 23:16	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 17:20	WG2206616
Chrysene	ND		10.0	1	01/26/2024 23:16	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/26/2024 23:16	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/26/2024 23:16	WG2206616
Diallate	ND		20.0	1	01/27/2024 17:20	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/26/2024 23:16	WG2206616
Dibenzofuran	ND		10.0	1	01/26/2024 23:16	WG2206616
Diethyl phthalate	ND		10.0	1	01/26/2024 23:16	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 17:20	WG2206616
Dimethyl phthalate	ND		10.0	1	01/26/2024 23:16	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 17:20	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 17:20	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 17:20	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 17:20	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 17:20	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 17:20	WG2206616
Famphur	ND		200	1	01/27/2024 17:20	WG2206616
Fluoranthene	ND		1.00	1	01/26/2024 23:16	WG2206616
Fluorene	ND		10.0	1	01/26/2024 23:16	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/26/2024 23:16	WG2206616
Hexachlorobenzene	ND		10.0	1	01/26/2024 23:16	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/26/2024 23:16	WG2206616
Hexachloroethane	ND		10.0	1	01/26/2024 23:16	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 17:20	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/26/2024 23:16	WG2206616
Isodrin	ND		10.0	1	01/27/2024 17:20	WG2206616
Isophorone	ND		10.0	1	01/26/2024 23:16	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 17:20	WG2206616
Kepone	ND		1.88	1	01/27/2024 17:20	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 17:20	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 17:20	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 17:20	WG2206616
Naphthalene	ND		10.0	1	01/26/2024 23:16	WG2206616
Nitrobenzene	ND		10.0	1	01/26/2024 23:16	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 17:20	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 17:20	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 17:20	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 17:20	WG2206616
Pentachlorophenol	ND		50.0	1	01/26/2024 23:16	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 17:20	WG2206616
Phenanthrene	ND		20.0	1	01/26/2024 23:16	WG2206616
Phenol	ND		10.0	1	01/26/2024 23:16	WG2206616
Phorate	ND		50.0	1	01/27/2024 17:20	WG2206616
Pronamide	ND		20.0	1	01/27/2024 17:20	WG2206616
Pyrene	ND		10.0	1	01/26/2024 23:16	WG2206616
Safrole	ND		50.0	1	01/27/2024 17:20	WG2206616
Thionazin	ND		10.0	1	01/27/2024 17:20	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 17:20	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/26/2024 23:16	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 17:20	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/26/2024 23:16	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/26/2024 23:16	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 17:20	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 17:20	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 17:20	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 17:20	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 17:20	WG2206616
(S) 2-Fluorophenol	18.4			10.0-120	01/26/2024 23:16	WG2206616
(S) 2,4,6-Tribromophenol	40.9			10.0-155	01/26/2024 23:16	WG2206616
(S) p-Terphenyl-d14	55.5			10.0-128	01/26/2024 23:16	WG2206616
(S) Phenol-d5	14.5			10.0-120	01/26/2024 23:16	WG2206616
(S) 2-Fluorobiphenyl	61.9			10.0-130	01/26/2024 23:16	WG2206616
(S) Nitrobenzene-d5	46.0			10.0-127	01/26/2024 23:16	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.15	su
Specific Conductance (on site)	987	umhos/cm
Temperature (on-site)	13.6	Deg. C
Turbidity (on-site)	3.5	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	-71.4	mV
Depth to water (DTW) (FROM TOC)	59.43	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	517	Q	10.0	1	01/22/2024 16:33	WG2210738

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	463		10.0	1	01/21/2024 06:53	WG2207367
Alkalinity,Bicarbonate	463		10.0	1	01/21/2024 06:53	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 06:53	WG2207367

Sample Narrative:

L1695971-04 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.101		0.100	1	01/13/2024 10:45	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/20/2024 21:48	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:30	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/14/2024 20:44	WG2206392

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	24.4		3.00	1	01/13/2024 00:09	WG2206429
Sulfate	ND		5.00	1	01/13/2024 00:09	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	1.76		1.00	1	01/14/2024 17:16	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 17:56	WG2206433

Metals (ICP) by Method 6010B

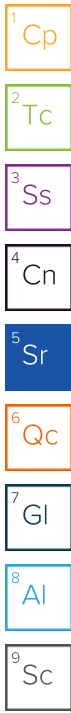
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Silver, Total Recoverable	ND		0.0500	1	01/18/2024 14:18	WG2206793
Barium, Total Recoverable	0.0756		0.00500	1	01/18/2024 14:18	WG2206793
Calcium, Total Recoverable	195		0.200	1	01/18/2024 14:18	WG2206793
Iron, Total Recoverable	10.0		0.0600	1	01/18/2024 14:18	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:18	WG2206793
Magnesium, Total Recoverable	3.92		0.200	1	01/18/2024 14:18	WG2206793
Manganese, Total Recoverable	6.09		0.00300	1	01/18/2024 14:18	WG2206793
Sodium, Total Recoverable	10.9		5.00	1	01/18/2024 14:18	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:18	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:18	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:18	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:02	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:02	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:02	WG2206801
Cobalt, Total Recoverable	0.0806		0.00300	1	01/23/2024 22:02	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 22:02	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 22:02	WG2206801
Nickel, Total Recoverable	0.191		0.00400	1	01/23/2024 22:02	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 22:02	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:02	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:02	WG2206801
Zinc, Total Recoverable	0.205		0.00500	1	01/25/2024 13:53	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,1-Dichloroethane	1.35		1.00	1	01/15/2024 14:59	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 14:59	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 14:59	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 14:59	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 14:59	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 14:59	WG2207502



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 14:59	WG2207502
1,4-Dichlorobenzene	2.02		1.00	1	01/15/2024 14:59	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 14:59	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 14:59	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 14:59	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 14:59	WG2207502
Acetone	ND		11.3	1	01/15/2024 14:59	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 14:59	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 14:59	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 14:59	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 14:59	WG2207502
Benzene	1.56		1.00	1	01/15/2024 14:59	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Bromoform	ND		1.00	1	01/15/2024 14:59	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 14:59	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 14:59	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 14:59	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Chloroform	ND		1.00	1	01/15/2024 14:59	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 14:59	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 14:59	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 14:59	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 14:59	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Isobutanol	ND		110	1	01/15/2024 14:59	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 14:59	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 14:59	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 14:59	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 14:59	WG2207502
Styrene	ND		1.00	1	01/15/2024 14:59	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 14:59	WG2207502
Toluene	ND		1.00	1	01/15/2024 14:59	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 14:59	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 14:59	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 14:59	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 14:59	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 14:59	WG2207502
cis-1,2-Dichloroethene	1.06		1.00	1	01/15/2024 14:59	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 14:59	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 14:59	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 14:59	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 14:59	WG2207502
(S) Toluene-d8	103			80.0-120	01/15/2024 14:59	WG2207502
(S) 1,2-Dichloroethane-d4	99.9			70.0-130	01/15/2024 14:59	WG2207502
(S) 4-Bromofluorobenzene	96.9			77.0-126	01/15/2024 14:59	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 03:49	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 03:49	WG2207108
2,4-D	ND		4.00	1	01/17/2024 03:49	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	68.8			14.0-158	01/17/2024 03:49	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 01:37	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 01:37	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 01:37	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 01:37	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 01:37	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 01:37	WG2206634
Chlordane	ND		0.500	1	01/17/2024 01:37	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 01:37	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 01:37	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 01:37	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 01:37	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 01:37	WG2206634
Endrin	ND		0.0500	1	01/17/2024 01:37	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 01:37	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 01:37	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 01:37	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 01:37	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 01:37	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 01:37	WG2206634
(S) Decachlorobiphenyl	43.6			10.0-128	01/17/2024 01:37	WG2206634
(S) Tetrachloro-m-xylene	55.4			10.0-127	01/17/2024 01:37	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 01:37	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 01:37	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 01:37	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 01:37	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 01:37	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 01:37	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 01:37	WG2206634
(S) Decachlorobiphenyl	47.6			10.0-128	01/17/2024 01:37	WG2206634
(S) Tetrachloro-m-xylene	60.2			10.0-127	01/17/2024 01:37	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/26/2024 23:38	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/26/2024 23:38	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 17:37	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 17:37	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 17:37	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 17:37	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/26/2024 23:38	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/26/2024 23:38	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/26/2024 23:38	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/26/2024 23:38	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/26/2024 23:38	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/26/2024 23:38	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/26/2024 23:38	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/26/2024 23:38	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 17:37	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/26/2024 23:38	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 17:37	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/26/2024 23:38	WG2206616
2-Chlorophenol	ND		10.0	1	01/26/2024 23:38	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/26/2024 23:38	WG2206616
2-Methylphenol	ND		10.0	1	01/26/2024 23:38	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 17:37	WG2206616
2-Nitroaniline	ND		50.0	1	01/26/2024 23:38	WG2206616
2-Nitrophenol	ND		10.0	1	01/26/2024 23:38	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/26/2024 23:38	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/26/2024 23:38	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 17:37	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 17:37	WG2206616
3-Nitroaniline	ND		50.0	1	01/26/2024 23:38	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/26/2024 23:38	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 17:37	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/26/2024 23:38	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/26/2024 23:38	WG2206616
4-Chloroaniline	ND		10.0	1	01/26/2024 23:38	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/26/2024 23:38	WG2206616
4-Nitroaniline	ND		50.0	1	01/26/2024 23:38	WG2206616
4-Nitrophenol	ND		50.0	1	01/26/2024 23:38	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 17:37	WG2206616
Acenaphthene	ND		10.0	1	01/26/2024 23:38	WG2206616
Acenaphthylene	ND		10.0	1	01/26/2024 23:38	WG2206616
Acetophenone	ND		10.0	1	01/26/2024 23:38	WG2206616
Anthracene	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzyl Alcohol	ND		10.0	1	01/26/2024 23:38	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/26/2024 23:38	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/26/2024 23:38	WG2206616
Bis(2-chlorethoxy)methane	ND		10.0	1	01/26/2024 23:38	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/26/2024 23:38	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 17:37	WG2206616
Chrysene	ND		10.0	1	01/26/2024 23:38	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/26/2024 23:38	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/26/2024 23:38	WG2206616
Diallate	ND		20.0	1	01/27/2024 17:37	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/26/2024 23:38	WG2206616
Dibenzofuran	ND		10.0	1	01/26/2024 23:38	WG2206616
Diethyl phthalate	ND		10.0	1	01/26/2024 23:38	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 17:37	WG2206616
Dimethyl phthalate	ND		10.0	1	01/26/2024 23:38	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 17:37	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 17:37	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 17:37	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 17:37	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 17:37	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 17:37	WG2206616
Famphur	ND		200	1	01/27/2024 17:37	WG2206616
Fluoranthene	ND		1.00	1	01/26/2024 23:38	WG2206616
Fluorene	ND		10.0	1	01/26/2024 23:38	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/26/2024 23:38	WG2206616
Hexachlorobenzene	ND		10.0	1	01/26/2024 23:38	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/26/2024 23:38	WG2206616
Hexachloroethane	ND		10.0	1	01/26/2024 23:38	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 17:37	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/26/2024 23:38	WG2206616
Isodrin	ND		10.0	1	01/27/2024 17:37	WG2206616
Isophorone	ND		10.0	1	01/26/2024 23:38	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 17:37	WG2206616
Kepone	ND		1.88	1	01/27/2024 17:37	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 17:37	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 17:37	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 17:37	WG2206616
Naphthalene	ND		10.0	1	01/26/2024 23:38	WG2206616
Nitrobenzene	ND		10.0	1	01/26/2024 23:38	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 17:37	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 17:37	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 17:37	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 17:37	WG2206616
Pentachlorophenol	ND		50.0	1	01/26/2024 23:38	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 17:37	WG2206616
Phenanthrene	ND		20.0	1	01/26/2024 23:38	WG2206616
Phenol	ND		10.0	1	01/26/2024 23:38	WG2206616
Phorate	ND		50.0	1	01/27/2024 17:37	WG2206616
Pronamide	ND		20.0	1	01/27/2024 17:37	WG2206616
Pyrene	ND		10.0	1	01/26/2024 23:38	WG2206616
Safrole	ND		50.0	1	01/27/2024 17:37	WG2206616
Thionazin	ND		10.0	1	01/27/2024 17:37	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 17:37	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/26/2024 23:38	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 17:37	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/26/2024 23:38	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/26/2024 23:38	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 17:37	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 17:37	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 17:37	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 17:37	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 17:37	WG2206616
(S) 2-Fluorophenol	20.5			10.0-120	01/26/2024 23:38	WG2206616
(S) 2,4,6-Tribromophenol	56.8			10.0-155	01/26/2024 23:38	WG2206616
(S) p-Terphenyl-d14	83.6			10.0-128	01/26/2024 23:38	WG2206616
(S) Phenol-d5	16.8			10.0-120	01/26/2024 23:38	WG2206616
(S) 2-Fluorobiphenyl	73.2			10.0-130	01/26/2024 23:38	WG2206616
(S) Nitrobenzene-d5	52.8			10.0-127	01/26/2024 23:38	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.71	su
Specific Conductance (on site)	651	umhos/cm
Temperature (on-site)	14.3	Deg. C
Turbidity (on-site)	0.2	NTU
Dissolved Oxygen (on-site)	4.5	mg/l
eH/ORP (On Site)	162.3	mV
Depth to water (DTW) (FROM TOC)	56.86	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	296	Q	10.0	1	01/22/2024 16:33	WG2210738

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	294		10.0	1	01/21/2024 06:59	WG2207367
Alkalinity,Bicarbonate	294		10.0	1	01/21/2024 06:59	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 06:59	WG2207367

Sample Narrative:

L1695971-05 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:48	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.74		0.100	1	01/20/2024 21:49	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:30	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/14/2024 20:45	WG2206392

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	5.06		3.00	1	01/13/2024 00:47	WG2206429
Sulfate	ND		5.00	1	01/13/2024 00:47	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 17:35	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:49	WG2206433

Metals (ICP) by Method 6010B

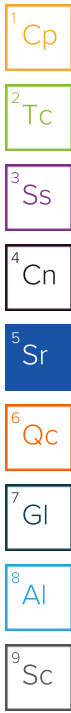
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	01/18/2024 14:21	WG2206793
Barium, Total Recoverable	0.0449		0.00500	1	01/18/2024 14:21	WG2206793
Calcium, Total Recoverable	120		0.200	1	01/18/2024 14:21	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:21	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:21	WG2206793
Magnesium, Total Recoverable	1.45		0.200	1	01/18/2024 14:21	WG2206793
Manganese, Total Recoverable	ND		0.00300	1	01/18/2024 14:21	WG2206793
Sodium, Total Recoverable	5.67		5.00	1	01/18/2024 14:21	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:21	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:21	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:21	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:05	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:05	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:05	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 22:05	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 22:05	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 22:05	WG2206801
Nickel, Total Recoverable	ND		0.00400	1	01/23/2024 22:05	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 22:05	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:05	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:05	WG2206801
Zinc, Total Recoverable	0.0101	J	0.00500	1	01/25/2024 14:06	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 15:20	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 15:20	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 15:20	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 15:20	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 15:20	WG2207502



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 15:20	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 15:20	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 15:20	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 15:20	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 15:20	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 15:20	WG2207502
Acetone	ND		11.3	1	01/15/2024 15:20	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 15:20	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 15:20	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 15:20	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 15:20	WG2207502
Benzene	ND		1.00	1	01/15/2024 15:20	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Bromoform	ND		1.00	1	01/15/2024 15:20	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 15:20	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 15:20	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 15:20	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Chloroform	ND		1.00	1	01/15/2024 15:20	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 15:20	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 15:20	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 15:20	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 15:20	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Isobutanol	ND		110	1	01/15/2024 15:20	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 15:20	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 15:20	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 15:20	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 15:20	WG2207502
Styrene	ND		1.00	1	01/15/2024 15:20	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 15:20	WG2207502
Toluene	ND		1.00	1	01/15/2024 15:20	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 15:20	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 15:20	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 15:20	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 15:20	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 15:20	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 15:20	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 15:20	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 15:20	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 15:20	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 15:20	WG2207502
(S) Toluene-d8	105			80.0-120	01/15/2024 15:20	WG2207502
(S) 1,2-Dichloroethane-d4	101			70.0-130	01/15/2024 15:20	WG2207502
(S) 4-Bromofluorobenzene	98.5			77.0-126	01/15/2024 15:20	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 04:00	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 04:00	WG2207108
2,4-D	ND		4.00	1	01/17/2024 04:00	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	75.4			14.0-158	01/17/2024 04:00	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 01:47	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 01:47	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 01:47	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 01:47	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 01:47	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 01:47	WG2206634
Chlordane	ND		0.500	1	01/17/2024 01:47	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 01:47	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 01:47	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 01:47	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 01:47	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 01:47	WG2206634
Endrin	ND		0.0500	1	01/17/2024 01:47	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 01:47	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 01:47	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 01:47	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 01:47	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 01:47	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 01:47	WG2206634
(S) Decachlorobiphenyl	71.5			10.0-128	01/17/2024 01:47	WG2206634
(S) Tetrachloro-m-xylene	61.4			10.0-127	01/17/2024 01:47	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 01:47	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 01:47	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 01:47	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 01:47	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 01:47	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 01:47	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 01:47	WG2206634
(S) Decachlorobiphenyl	78.4			10.0-128	01/17/2024 01:47	WG2206634
(S) Tetrachloro-m-xylene	66.7			10.0-127	01/17/2024 01:47	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 00:00	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 00:00	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 17:55	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 17:55	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 17:55	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 17:55	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 00:00	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 00:00	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 00:00	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 00:00	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 00:00	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 00:00	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 00:00	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 00:00	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 17:55	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 00:00	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 17:55	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 00:00	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 00:00	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 00:00	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 00:00	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 17:55	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 00:00	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 00:00	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 00:00	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 00:00	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 17:55	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 17:55	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 00:00	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 00:00	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 17:55	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 00:00	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 00:00	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 00:00	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 00:00	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 00:00	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 00:00	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 17:55	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 00:00	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 00:00	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 00:00	WG2206616
Anthracene	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 00:00	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 00:00	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 00:00	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 00:00	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 00:00	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 17:55	WG2206616
Chrysene	ND		10.0	1	01/27/2024 00:00	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 00:00	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 00:00	WG2206616
Diallate	ND		20.0	1	01/27/2024 17:55	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 00:00	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 00:00	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 00:00	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 17:55	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 00:00	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 17:55	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 17:55	WG2206616

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

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 17:55	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 17:55	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 17:55	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 17:55	WG2206616
Famphur	ND		200	1	01/27/2024 17:55	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 00:00	WG2206616
Fluorene	ND		10.0	1	01/27/2024 00:00	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 00:00	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 00:00	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 00:00	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 00:00	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 17:55	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 00:00	WG2206616
Isodrin	ND		10.0	1	01/27/2024 17:55	WG2206616
Isophorone	ND		10.0	1	01/27/2024 00:00	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 17:55	WG2206616
Kepone	ND		1.88	1	01/27/2024 17:55	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 17:55	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 17:55	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 17:55	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 00:00	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 00:00	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 17:55	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 17:55	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 17:55	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 17:55	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 00:00	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 17:55	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 00:00	WG2206616
Phenol	ND		10.0	1	01/27/2024 00:00	WG2206616
Phorate	ND		50.0	1	01/27/2024 17:55	WG2206616
Pronamide	ND		20.0	1	01/27/2024 17:55	WG2206616
Pyrene	ND		10.0	1	01/27/2024 00:00	WG2206616
Safrole	ND		50.0	1	01/27/2024 17:55	WG2206616
Thionazin	ND		10.0	1	01/27/2024 17:55	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 17:55	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 00:00	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 17:55	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 00:00	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 00:00	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 17:55	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 17:55	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 17:55	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 17:55	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 17:55	WG2206616
(S) 2-Fluorophenol	24.4			10.0-120	01/27/2024 00:00	WG2206616
(S) 2,4,6-Tribromophenol	68.9			10.0-155	01/27/2024 00:00	WG2206616
(S) p-Terphenyl-d14	74.2			10.0-128	01/27/2024 00:00	WG2206616
(S) Phenol-d5	16.9			10.0-120	01/27/2024 00:00	WG2206616
(S) 2-Fluorobiphenyl	71.3			10.0-130	01/27/2024 00:00	WG2206616
(S) Nitrobenzene-d5	47.1			10.0-127	01/27/2024 00:00	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.88	su
Specific Conductance (on site)	432	umhos/cm
Temperature (on-site)	12.5	Deg. C
Turbidity (on-site)	3.1	NTU
Dissolved Oxygen (on-site)	3.2	mg/l
eH/ORP (On Site)	91.7	mV
Depth to water (DTW) (FROM TOC)	81.58	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	212		10.0	1	01/14/2024 12:40	WG2206960

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	213		10.0	1	01/21/2024 07:04	WG2207367
Alkalinity,Bicarbonate	213		10.0	1	01/21/2024 07:04	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 07:04	WG2207367

Sample Narrative:

L1695971-06 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:54	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/20/2024 21:54	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:30	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND	J6	0.0100	1	01/16/2024 15:32	WG2207353

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	3.21		3.00	1	01/13/2024 01:00	WG2206429
Sulfate	ND		5.00	1	01/13/2024 01:00	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 17:54	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:51	WG2206433

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	01/18/2024 14:29	WG2206793
Barium, Total Recoverable	0.0366		0.00500	1	01/18/2024 14:29	WG2206793
Calcium, Total Recoverable	76.1		0.200	1	01/18/2024 14:29	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:29	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:29	WG2206793
Magnesium, Total Recoverable	3.35		0.200	1	01/18/2024 14:29	WG2206793
Manganese, Total Recoverable	ND		0.00300	1	01/18/2024 14:29	WG2206793
Sodium, Total Recoverable	6.88		5.00	1	01/18/2024 14:29	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:29	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:29	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:29	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:08	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:08	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:08	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 22:08	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 22:08	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 22:08	WG2206801
Nickel, Total Recoverable	0.00584		0.00400	1	01/23/2024 22:08	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 22:08	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:08	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:08	WG2206801
Zinc, Total Recoverable	0.0395		0.00500	1	01/25/2024 14:10	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 15:40	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 15:40	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 15:40	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 15:40	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 15:40	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 15:40	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 15:40	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 15:40	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 15:40	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 15:40	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 15:40	WG2207502
Acetone	ND		11.3	1	01/15/2024 15:40	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 15:40	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 15:40	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 15:40	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 15:40	WG2207502
Benzene	ND		1.00	1	01/15/2024 15:40	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Bromoform	ND		1.00	1	01/15/2024 15:40	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 15:40	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 15:40	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 15:40	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Chloroform	ND		1.00	1	01/15/2024 15:40	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 15:40	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 15:40	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 15:40	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 15:40	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Isobutanol	ND		110	1	01/15/2024 15:40	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 15:40	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 15:40	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 15:40	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 15:40	WG2207502
Styrene	ND		1.00	1	01/15/2024 15:40	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 15:40	WG2207502
Toluene	ND		1.00	1	01/15/2024 15:40	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 15:40	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 15:40	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 15:40	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 15:40	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 15:40	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 15:40	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 15:40	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 15:40	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 15:40	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 15:40	WG2207502
(S) Toluene-d8	103			80.0-120	01/15/2024 15:40	WG2207502
(S) 1,2-Dichloroethane-d4	103			70.0-130	01/15/2024 15:40	WG2207502
(S) 4-Bromofluorobenzene	98.6			77.0-126	01/15/2024 15:40	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 04:11	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 04:11	WG2207108
2,4-D	ND		4.00	1	01/17/2024 04:11	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	76.4			14.0-158	01/17/2024 04:11	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 01:57	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 01:57	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 01:57	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 01:57	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 01:57	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 01:57	WG2206634
Chlordane	ND		0.500	1	01/17/2024 01:57	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 01:57	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 01:57	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 01:57	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 01:57	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 01:57	WG2206634
Endrin	ND		0.0500	1	01/17/2024 01:57	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 01:57	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 01:57	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 01:57	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 01:57	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 01:57	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 01:57	WG2206634
(S) Decachlorobiphenyl	89.5			10.0-128	01/17/2024 01:57	WG2206634
(S) Tetrachloro-m-xylene	72.4			10.0-127	01/17/2024 01:57	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 01:57	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 01:57	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 01:57	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 01:57	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 01:57	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 01:57	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 01:57	WG2206634
(S) Decachlorobiphenyl	98.2			10.0-128	01/17/2024 01:57	WG2206634
(S) Tetrachloro-m-xylene	78.6			10.0-127	01/17/2024 01:57	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 00:22	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 00:22	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 18:12	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 18:12	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 18:12	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 18:12	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 00:22	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 00:22	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 00:22	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 00:22	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 00:22	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 00:22	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 00:22	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 00:22	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 18:12	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 00:22	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 18:12	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 00:22	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 00:22	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 00:22	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 00:22	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 18:12	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 00:22	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 00:22	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 00:22	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 00:22	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 18:12	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 18:12	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 00:22	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 00:22	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 18:12	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 00:22	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 00:22	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 00:22	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 00:22	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 00:22	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 00:22	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 18:12	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 00:22	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 00:22	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 00:22	WG2206616
Anthracene	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 00:22	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 00:22	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 00:22	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 00:22	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 00:22	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 18:12	WG2206616
Chrysene	ND		10.0	1	01/27/2024 00:22	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 00:22	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 00:22	WG2206616
Diallate	ND		20.0	1	01/27/2024 18:12	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 00:22	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 00:22	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 00:22	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 18:12	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 00:22	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 18:12	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 18:12	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 18:12	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 18:12	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 18:12	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 18:12	WG2206616
Famphur	ND		200	1	01/27/2024 18:12	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 00:22	WG2206616
Fluorene	ND		10.0	1	01/27/2024 00:22	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 00:22	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 00:22	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 00:22	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 00:22	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 18:12	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 00:22	WG2206616
Isodrin	ND		10.0	1	01/27/2024 18:12	WG2206616
Isophorone	ND		10.0	1	01/27/2024 00:22	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 18:12	WG2206616
Kepone	ND		1.88	1	01/27/2024 18:12	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 18:12	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 18:12	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 18:12	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 00:22	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 00:22	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 18:12	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 18:12	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 18:12	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 18:12	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 00:22	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 18:12	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 00:22	WG2206616
Phenol	ND		10.0	1	01/27/2024 00:22	WG2206616
Phorate	ND		50.0	1	01/27/2024 18:12	WG2206616
Pronamide	ND		20.0	1	01/27/2024 18:12	WG2206616
Pyrene	ND		10.0	1	01/27/2024 00:22	WG2206616
Safrole	ND		50.0	1	01/27/2024 18:12	WG2206616
Thionazin	ND		10.0	1	01/27/2024 18:12	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 18:12	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 00:22	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 18:12	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 00:22	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 00:22	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 18:12	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 18:12	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 18:12	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 18:12	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 18:12	WG2206616
(S) 2-Fluorophenol	23.1			10.0-120	01/27/2024 00:22	WG2206616
(S) 2,4,6-Tribromophenol	60.0			10.0-155	01/27/2024 00:22	WG2206616
(S) p-Terphenyl-d14	80.3			10.0-128	01/27/2024 00:22	WG2206616
(S) Phenol-d5	18.4			10.0-120	01/27/2024 00:22	WG2206616
(S) 2-Fluorobiphenyl	73.4			10.0-130	01/27/2024 00:22	WG2206616
(S) Nitrobenzene-d5	49.8			10.0-127	01/27/2024 00:22	WG2206616

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	571	umhos/cm
Temperature (on-site)	13.3	Deg. C
Turbidity (on-site)	3.1	NTU
Dissolved Oxygen (on-site)	3.3	mg/l
eH/ORP (On Site)	95.8	mV
Depth to water (DTW) (FROM TOC)	69.25	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	289		10.0	1	01/14/2024 12:40	WG2206960

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	244		10.0	1	01/21/2024 07:10	WG2207367
Alkalinity,Bicarbonate	244		10.0	1	01/21/2024 07:10	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 07:10	WG2207367

Sample Narrative:

L1695971-07 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:56	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.80		0.100	2	01/20/2024 21:55	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:31	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/16/2024 15:36	WG2207353

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	7.03		3.00	1	01/13/2024 01:13	WG2206429
Sulfate	ND		5.00	1	01/13/2024 01:13	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 19:35	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:54	WG2206433

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	01/18/2024 14:32	WG2206793
Barium, Total Recoverable	0.0826		0.00500	1	01/18/2024 14:32	WG2206793
Calcium, Total Recoverable	102		0.200	1	01/18/2024 14:32	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:32	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:32	WG2206793
Magnesium, Total Recoverable	1.52		0.200	1	01/18/2024 14:32	WG2206793
Manganese, Total Recoverable	ND		0.00300	1	01/18/2024 14:32	WG2206793
Sodium, Total Recoverable	12.9		5.00	1	01/18/2024 14:32	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:32	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:32	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:32	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:11	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:11	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:11	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 22:11	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 22:11	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 22:11	WG2206801
Nickel, Total Recoverable	ND		0.00400	1	01/23/2024 22:11	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 22:11	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:11	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:11	WG2206801
Zinc, Total Recoverable	0.0234	J	0.00500	1	01/25/2024 14:15	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 16:01	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 16:01	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 16:01	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 16:01	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 16:01	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 16:01	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 16:01	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 16:01	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 16:01	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 16:01	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 16:01	WG2207502
Acetone	ND		11.3	1	01/15/2024 16:01	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 16:01	WG2207502
Acrolein	ND	J4	20.0	1	01/15/2024 16:01	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 16:01	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 16:01	WG2207502
Benzene	ND		1.00	1	01/15/2024 16:01	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Bromoform	ND		1.00	1	01/15/2024 16:01	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 16:01	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 16:01	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 16:01	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Chloroform	ND		1.00	1	01/15/2024 16:01	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 16:01	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 16:01	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 16:01	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 16:01	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Isobutanol	ND		110	1	01/15/2024 16:01	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 16:01	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 16:01	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 16:01	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 16:01	WG2207502
Styrene	ND		1.00	1	01/15/2024 16:01	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 16:01	WG2207502
Toluene	ND		1.00	1	01/15/2024 16:01	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 16:01	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 16:01	WG2207502
Vinyl acetate	ND	J4	5.00	1	01/15/2024 16:01	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 16:01	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 16:01	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 16:01	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 16:01	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 16:01	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 16:01	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 16:01	WG2207502
(S) Toluene-d8	102			80.0-120	01/15/2024 16:01	WG2207502
(S) 1,2-Dichloroethane-d4	101			70.0-130	01/15/2024 16:01	WG2207502
(S) 4-Bromofluorobenzene	95.1			77.0-126	01/15/2024 16:01	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 04:22	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 04:22	WG2207108
2,4-D	ND		4.00	1	01/17/2024 04:22	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	22.8			14.0-158	01/17/2024 04:22	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 02:07	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 02:07	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 02:07	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 02:07	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 02:07	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 02:07	WG2206634
Chlordane	ND		0.500	1	01/17/2024 02:07	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 02:07	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 02:07	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 02:07	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 02:07	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 02:07	WG2206634
Endrin	ND		0.0500	1	01/17/2024 02:07	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 02:07	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 02:07	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 02:07	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 02:07	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 02:07	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 02:07	WG2206634
(S) Decachlorobiphenyl	74.1			10.0-128	01/17/2024 02:07	WG2206634
(S) Tetrachloro-m-xylene	61.6			10.0-127	01/17/2024 02:07	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 02:07	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 02:07	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 02:07	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 02:07	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 02:07	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 02:07	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 02:07	WG2206634
(S) Decachlorobiphenyl	81.2			10.0-128	01/17/2024 02:07	WG2206634
(S) Tetrachloro-m-xylene	66.9			10.0-127	01/17/2024 02:07	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 00:44	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 00:44	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 18:30	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 18:30	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 18:30	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 18:30	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 00:44	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 00:44	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 00:44	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 00:44	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 00:44	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 00:44	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 00:44	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 00:44	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 18:30	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 00:44	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 18:30	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 00:44	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 00:44	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 00:44	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 00:44	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 18:30	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 00:44	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 00:44	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 00:44	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 00:44	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 18:30	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 18:30	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 00:44	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 00:44	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 18:30	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 00:44	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 00:44	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 00:44	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 00:44	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 00:44	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 00:44	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 18:30	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 00:44	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 00:44	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 00:44	WG2206616
Anthracene	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 00:44	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 00:44	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 00:44	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 00:44	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 00:44	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 18:30	WG2206616
Chrysene	ND		10.0	1	01/27/2024 00:44	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 00:44	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 00:44	WG2206616
Diallate	ND		20.0	1	01/27/2024 18:30	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 00:44	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 00:44	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 00:44	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 18:30	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 00:44	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 18:30	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 18:30	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 18:30	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 18:30	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 18:30	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 18:30	WG2206616
Famphur	ND		200	1	01/27/2024 18:30	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 00:44	WG2206616
Fluorene	ND		10.0	1	01/27/2024 00:44	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 00:44	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 00:44	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 00:44	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 00:44	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 18:30	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 00:44	WG2206616
Isodrin	ND		10.0	1	01/27/2024 18:30	WG2206616
Isophorone	ND		10.0	1	01/27/2024 00:44	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 18:30	WG2206616
Kepone	ND		1.88	1	01/27/2024 18:30	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 18:30	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 18:30	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 18:30	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 00:44	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 00:44	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 18:30	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 18:30	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 18:30	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 18:30	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 00:44	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 18:30	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 00:44	WG2206616
Phenol	ND		10.0	1	01/27/2024 00:44	WG2206616
Phorate	ND		50.0	1	01/27/2024 18:30	WG2206616
Pronamide	ND		20.0	1	01/27/2024 18:30	WG2206616
Pyrene	ND		10.0	1	01/27/2024 00:44	WG2206616
Safrole	ND		50.0	1	01/27/2024 18:30	WG2206616
Thionazin	ND		10.0	1	01/27/2024 18:30	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 18:30	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 00:44	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 18:30	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 00:44	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 00:44	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 18:30	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 18:30	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 18:30	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 18:30	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 18:30	WG2206616
(S) 2-Fluorophenol	18.1			10.0-120	01/27/2024 00:44	WG2206616
(S) 2,4,6-Tribromophenol	60.0			10.0-155	01/27/2024 00:44	WG2206616
(S) p-Terphenyl-d14	72.1			10.0-128	01/27/2024 00:44	WG2206616
(S) Phenol-d5	14.8			10.0-120	01/27/2024 00:44	WG2206616
(S) 2-Fluorobiphenyl	57.5			10.0-130	01/27/2024 00:44	WG2206616
(S) Nitrobenzene-d5	44.7			10.0-127	01/27/2024 00:44	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.69	su
Specific Conductance (on site)	638	umhos/cm
Temperature (on-site)	15.6	Deg. C
Turbidity (on-site)	2.4	NTU
Dissolved Oxygen (on-site)	3.4	mg/l
eH/ORP (On Site)	91.2	mV
Depth to water (DTW) (FROM TOC)	87.61	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	304		10.0	1	01/14/2024 12:40	WG2206960

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	211		10.0	1	01/21/2024 07:26	WG2207367
Alkalinity,Bicarbonate	211		10.0	1	01/21/2024 07:26	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 07:26	WG2207367

Sample Narrative:

L1695971-08 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:57	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	6.10		0.100	5	01/20/2024 21:57	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:32	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	5	01/16/2024 15:38	WG2207353

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	29.3		3.00	1	01/13/2024 01:26	WG2206429
Sulfate	19.1		5.00	1	01/13/2024 01:26	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	1.42		1.00	1	01/14/2024 19:54	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:56	WG2206433

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Silver, Total Recoverable	ND		0.0500	1	01/18/2024 14:35	WG2206793
Barium, Total Recoverable	0.133		0.00500	1	01/18/2024 14:35	WG2206793
Calcium, Total Recoverable	80.6		0.200	1	01/18/2024 14:35	WG2206793
Iron, Total Recoverable	0.0622	J	0.0600	1	01/18/2024 14:35	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:35	WG2206793
Magnesium, Total Recoverable	4.48		0.200	1	01/18/2024 14:35	WG2206793
Manganese, Total Recoverable	0.0233		0.00300	1	01/18/2024 14:35	WG2206793
Sodium, Total Recoverable	35.0		5.00	1	01/18/2024 14:35	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:35	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:35	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:35	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:15	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:15	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:15	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 22:15	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 22:15	WG2206801
Copper, Total Recoverable	0.00889		0.00400	1	01/23/2024 22:15	WG2206801
Nickel, Total Recoverable	0.00493		0.00400	1	01/23/2024 22:15	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 22:15	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:15	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:15	WG2206801
Zinc, Total Recoverable	0.00862	J	0.00500	1	01/25/2024 14:19	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 16:21	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 16:21	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 16:21	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 16:21	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 16:21	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 16:21	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 16:21	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 16:21	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 16:21	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 16:21	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 16:21	WG2207502
Acetone	ND		11.3	1	01/15/2024 16:21	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 16:21	WG2207502
Acrolein	ND	<u>J4</u>	20.0	1	01/15/2024 16:21	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 16:21	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 16:21	WG2207502
Benzene	ND		1.00	1	01/15/2024 16:21	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Bromoform	ND		1.00	1	01/15/2024 16:21	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 16:21	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 16:21	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 16:21	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Chloroform	ND		1.00	1	01/15/2024 16:21	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 16:21	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 16:21	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 16:21	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 16:21	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Isobutanol	ND		110	1	01/15/2024 16:21	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 16:21	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 16:21	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 16:21	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 16:21	WG2207502
Styrene	ND		1.00	1	01/15/2024 16:21	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 16:21	WG2207502
Toluene	ND		1.00	1	01/15/2024 16:21	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 16:21	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 16:21	WG2207502
Vinyl acetate	ND	<u>J4</u>	5.00	1	01/15/2024 16:21	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 16:21	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 16:21	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 16:21	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 16:21	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 16:21	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 16:21	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 16:21	WG2207502
(S) Toluene-d8	101			80.0-120	01/15/2024 16:21	WG2207502
(S) 1,2-Dichloroethane-d4	101			70.0-130	01/15/2024 16:21	WG2207502
(S) 4-Bromofluorobenzene	95.3			77.0-126	01/15/2024 16:21	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 04:33	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 04:33	WG2207108
2,4-D	ND		4.00	1	01/17/2024 04:33	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	76.6			14.0-158	01/17/2024 04:33	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 02:17	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 02:17	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 02:17	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 02:17	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 02:17	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 02:17	WG2206634
Chlordane	ND		0.500	1	01/17/2024 02:17	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 02:17	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 02:17	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 02:17	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 02:17	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 02:17	WG2206634
Endrin	ND		0.0500	1	01/17/2024 02:17	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 02:17	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 02:17	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 02:17	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 02:17	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 02:17	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 02:17	WG2206634
(S) Decachlorobiphenyl	63.1			10.0-128	01/17/2024 02:17	WG2206634
(S) Tetrachloro-m-xylene	61.2			10.0-127	01/17/2024 02:17	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 02:17	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 02:17	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 02:17	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 02:17	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 02:17	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 02:17	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 02:17	WG2206634
(S) Decachlorobiphenyl	70.0			10.0-128	01/17/2024 02:17	WG2206634
(S) Tetrachloro-m-xylene	66.5			10.0-127	01/17/2024 02:17	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 01:06	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 01:06	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 18:47	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 18:47	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 18:47	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 18:47	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 01:06	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 01:06	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 01:06	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 01:06	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 01:06	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 01:06	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 01:06	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 01:06	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 18:47	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 01:06	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 18:47	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 01:06	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 01:06	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 01:06	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 01:06	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 18:47	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 01:06	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 01:06	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 01:06	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 01:06	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 18:47	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 18:47	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 01:06	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 01:06	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 18:47	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 01:06	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 01:06	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 01:06	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 01:06	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 01:06	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 01:06	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 18:47	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 01:06	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 01:06	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 01:06	WG2206616
Anthracene	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 01:06	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 01:06	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 01:06	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 01:06	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 01:06	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 18:47	WG2206616
Chrysene	ND		10.0	1	01/27/2024 01:06	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 01:06	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 01:06	WG2206616
Diallate	ND		20.0	1	01/27/2024 18:47	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 01:06	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 01:06	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 01:06	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 18:47	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 01:06	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 18:47	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 18:47	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 18:47	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 18:47	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 18:47	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 18:47	WG2206616
Famphur	ND		200	1	01/27/2024 18:47	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 01:06	WG2206616
Fluorene	ND		10.0	1	01/27/2024 01:06	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 01:06	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 01:06	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 01:06	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 01:06	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 18:47	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 01:06	WG2206616
Isodrin	ND		10.0	1	01/27/2024 18:47	WG2206616
Isophorone	ND		10.0	1	01/27/2024 01:06	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 18:47	WG2206616
Kepone	ND		1.88	1	01/27/2024 18:47	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 18:47	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 18:47	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 18:47	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 01:06	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 01:06	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 18:47	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 18:47	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 18:47	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 18:47	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 01:06	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 18:47	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 01:06	WG2206616
Phenol	ND		10.0	1	01/27/2024 01:06	WG2206616
Phorate	ND		50.0	1	01/27/2024 18:47	WG2206616
Pronamide	ND		20.0	1	01/27/2024 18:47	WG2206616
Pyrene	ND		10.0	1	01/27/2024 01:06	WG2206616
Safrole	ND		50.0	1	01/27/2024 18:47	WG2206616
Thionazin	ND		10.0	1	01/27/2024 18:47	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 18:47	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 01:06	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 18:47	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 01:06	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 01:06	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 18:47	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 18:47	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 18:47	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 18:47	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 18:47	WG2206616
(S) 2-Fluorophenol	12.4			10.0-120	01/27/2024 01:06	WG2206616
(S) 2,4,6-Tribromophenol	29.5			10.0-155	01/27/2024 01:06	WG2206616
(S) p-Terphenyl-d14	76.5			10.0-128	01/27/2024 01:06	WG2206616
(S) Phenol-d5	10.7			10.0-120	01/27/2024 01:06	WG2206616
(S) 2-Fluorobiphenyl	56.3			10.0-130	01/27/2024 01:06	WG2206616
(S) Nitrobenzene-d5	41.9			10.0-127	01/27/2024 01:06	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.27	su
Specific Conductance (on site)	669	umhos/cm
Temperature (on-site)	15.1	Deg. C
Turbidity (on-site)	3	NTU
Dissolved Oxygen (on-site)	5.2	mg/l
eH/ORP (On Site)	109.4	mV
Depth to water (DTW) (FROM TOC)	58.85	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	318		10.0	1	01/14/2024 12:40	WG2206960

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	246		10.0	1	01/21/2024 07:37	WG2207367
Alkalinity,Bicarbonate	246		10.0	1	01/21/2024 07:37	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 07:37	WG2207367

Sample Narrative:

L1695971-09 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 10:59	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.02		0.100	2	01/20/2024 21:58	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:32	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/16/2024 15:39	WG2207353

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	40.3		3.00	1	01/13/2024 01:38	WG2206429
Sulfate	9.44		5.00	1	01/13/2024 01:38	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 20:13	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 18:59	WG2206433

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	01/18/2024 14:38	WG2206793
Barium, Total Recoverable	0.0242		0.00500	1	01/18/2024 14:38	WG2206793
Calcium, Total Recoverable	96.0		0.200	1	01/18/2024 14:38	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:38	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:38	WG2206793
Magnesium, Total Recoverable	3.87		0.200	1	01/18/2024 14:38	WG2206793
Manganese, Total Recoverable	ND		0.00300	1	01/18/2024 14:38	WG2206793
Sodium, Total Recoverable	30.2		5.00	1	01/18/2024 14:38	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:38	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:38	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:38	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:25	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:25	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:25	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 22:25	WG2206801
Chromium, Total Recoverable	0.00314		0.00300	1	01/23/2024 22:25	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 22:25	WG2206801
Nickel, Total Recoverable	ND		0.00400	1	01/24/2024 18:22	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/24/2024 18:22	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:25	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:25	WG2206801
Zinc, Total Recoverable	ND		0.00500	1	01/25/2024 14:23	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 16:42	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 16:42	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 16:42	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 16:42	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 16:42	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 16:42	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 16:42	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 16:42	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 16:42	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 16:42	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 16:42	WG2207502
Acetone	ND		11.3	1	01/15/2024 16:42	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 16:42	WG2207502
Acrolein	ND	<u>J4</u>	20.0	1	01/15/2024 16:42	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 16:42	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 16:42	WG2207502
Benzene	ND		1.00	1	01/15/2024 16:42	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Bromoform	ND		1.00	1	01/15/2024 16:42	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 16:42	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 16:42	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 16:42	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Chloroform	ND		1.00	1	01/15/2024 16:42	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 16:42	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 16:42	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 16:42	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 16:42	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Isobutanol	ND		110	1	01/15/2024 16:42	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 16:42	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 16:42	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 16:42	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 16:42	WG2207502
Styrene	ND		1.00	1	01/15/2024 16:42	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 16:42	WG2207502
Toluene	ND		1.00	1	01/15/2024 16:42	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 16:42	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 16:42	WG2207502
Vinyl acetate	ND	<u>J4</u>	5.00	1	01/15/2024 16:42	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 16:42	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 16:42	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 16:42	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 16:42	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 16:42	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 16:42	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 16:42	WG2207502
(S) Toluene-d8	104			80.0-120	01/15/2024 16:42	WG2207502
(S) 1,2-Dichloroethane-d4	99.9			70.0-130	01/15/2024 16:42	WG2207502
(S) 4-Bromofluorobenzene	97.4			77.0-126	01/15/2024 16:42	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 04:44	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 04:44	WG2207108
2,4-D	ND		4.00	1	01/17/2024 04:44	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	74.8			14.0-158	01/17/2024 04:44	WG2207108

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

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 02:27	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 02:27	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 02:27	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 02:27	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 02:27	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 02:27	WG2206634
Chlordane	ND		0.500	1	01/17/2024 02:27	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 02:27	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 02:27	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 02:27	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 02:27	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 02:27	WG2206634
Endrin	ND		0.0500	1	01/17/2024 02:27	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 02:27	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 02:27	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 02:27	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 02:27	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 02:27	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 02:27	WG2206634
(S) Decachlorobiphenyl	36.9			10.0-128	01/17/2024 02:27	WG2206634
(S) Tetrachloro-m-xylene	58.5			10.0-127	01/17/2024 02:27	WG2206634

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 02:27	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 02:27	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 02:27	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 02:27	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 02:27	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 02:27	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 02:27	WG2206634
(S) Decachlorobiphenyl	40.4			10.0-128	01/17/2024 02:27	WG2206634
(S) Tetrachloro-m-xylene	64.2			10.0-127	01/17/2024 02:27	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 01:28	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 01:28	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 19:22	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 19:22	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 19:22	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 19:22	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 01:28	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 01:28	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 01:28	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 01:28	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 01:28	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 01:28	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 01:28	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 01:28	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 19:22	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 01:28	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 19:22	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 01:28	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 01:28	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 01:28	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 01:28	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 19:22	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 01:28	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 01:28	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 01:28	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 01:28	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 19:22	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 19:22	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 01:28	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 01:28	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 19:22	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 01:28	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 01:28	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 01:28	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 01:28	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 01:28	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 01:28	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 19:22	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 01:28	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 01:28	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 01:28	WG2206616
Anthracene	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 01:28	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 01:28	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 01:28	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 01:28	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 01:28	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 19:22	WG2206616
Chrysene	ND		10.0	1	01/27/2024 01:28	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 01:28	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 01:28	WG2206616
Diallate	ND		20.0	1	01/27/2024 19:22	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 01:28	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 01:28	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 01:28	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 19:22	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 01:28	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 19:22	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 19:22	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 01:28	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 19:22	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 19:22	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 19:22	WG2206616
Famphur	ND		200	1	01/27/2024 19:22	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 01:28	WG2206616
Fluorene	ND		10.0	1	01/27/2024 01:28	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 01:28	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 01:28	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 01:28	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 01:28	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 19:22	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 01:28	WG2206616
Isodrin	ND		10.0	1	01/27/2024 19:22	WG2206616
Isophorone	ND		10.0	1	01/27/2024 01:28	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 19:22	WG2206616
Kepone	ND		1.88	1	01/27/2024 19:22	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 19:22	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 19:22	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 19:22	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 01:28	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 01:28	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 19:22	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 19:22	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 19:22	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 19:22	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 01:28	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 19:22	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 01:28	WG2206616
Phenol	ND		10.0	1	01/27/2024 01:28	WG2206616
Phorate	ND		50.0	1	01/27/2024 19:22	WG2206616
Pronamide	ND		20.0	1	01/27/2024 19:22	WG2206616
Pyrene	ND		10.0	1	01/27/2024 01:28	WG2206616
Safrole	ND		50.0	1	01/27/2024 19:22	WG2206616
Thionazin	ND		10.0	1	01/27/2024 19:22	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 19:22	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 01:28	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 19:22	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 01:28	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 01:28	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 19:22	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 19:22	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 19:22	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 19:22	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 19:22	WG2206616
(S) 2-Fluorophenol	14.1			10.0-120	01/27/2024 01:28	WG2206616
(S) 2,4,6-Tribromophenol	55.0			10.0-155	01/27/2024 01:28	WG2206616
(S) p-Terphenyl-d14	75.8			10.0-128	01/27/2024 01:28	WG2206616
(S) Phenol-d5	11.7			10.0-120	01/27/2024 01:28	WG2206616
(S) 2-Fluorobiphenyl	46.3			10.0-130	01/27/2024 01:28	WG2206616
(S) Nitrobenzene-d5	31.2			10.0-127	01/27/2024 01:28	WG2206616

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)	7.06	su
Specific Conductance (on site)	381	umhos/cm
Temperature (on-site)	14.2	Deg. C
Turbidity (on-site)	2.5	NTU
Dissolved Oxygen (on-site)	6.9	mg/l
eH/ORP (On Site)	92.3	mV
Depth to water (DTW) (FROM TOC)	75.67	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	179		10.0	1	01/14/2024 12:40	WG2206960

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	183		10.0	1	01/21/2024 07:42	WG2207367
Alkalinity,Bicarbonate	183		10.0	1	01/21/2024 07:42	WG2207367
Alkalinity,Carbonate	ND		10.0	1	01/21/2024 07:42	WG2207367

Sample Narrative:

L1695971-10 WG2207367: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 11:00	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.291		0.100	1	01/20/2024 21:59	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:32	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/16/2024 15:43	WG2207353

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	3.94		3.00	1	01/13/2024 01:51	WG2206429
Sulfate	ND		5.00	1	01/13/2024 01:51	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 20:30	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 19:01	WG2206433

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	01/18/2024 14:41	WG2206793
Barium, Total Recoverable	0.0298		0.00500	1	01/18/2024 14:41	WG2206793
Calcium, Total Recoverable	70.5		0.200	1	01/18/2024 14:41	WG2206793
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 14:41	WG2206793
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 14:41	WG2206793
Magnesium, Total Recoverable	1.15		0.200	1	01/18/2024 14:41	WG2206793
Manganese, Total Recoverable	ND		0.00300	1	01/18/2024 14:41	WG2206793
Sodium, Total Recoverable	ND		5.00	1	01/18/2024 14:41	WG2206793
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 14:41	WG2206793
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 14:41	WG2206793
Tin, Total Recoverable	ND		0.100	1	01/18/2024 14:41	WG2206793

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/23/2024 22:28	WG2206801
Beryllium, Total Recoverable	ND		0.00100	1	01/23/2024 22:28	WG2206801
Cadmium, Total Recoverable	ND		0.00100	1	01/23/2024 22:28	WG2206801
Cobalt, Total Recoverable	ND		0.00300	1	01/23/2024 22:28	WG2206801
Chromium, Total Recoverable	ND		0.00300	1	01/23/2024 22:28	WG2206801
Copper, Total Recoverable	ND		0.00400	1	01/23/2024 22:28	WG2206801
Nickel, Total Recoverable	ND		0.00400	1	01/24/2024 18:25	WG2206801
Antimony, Total Recoverable	ND		0.00200	1	01/23/2024 22:28	WG2206801
Thallium, Total Recoverable	ND		0.00100	1	01/23/2024 22:28	WG2206801
Vanadium, Total Recoverable	ND		0.00300	1	01/23/2024 22:28	WG2206801
Zinc, Total Recoverable	ND		0.00500	1	01/25/2024 14:28	WG2212236

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 17:03	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 17:03	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 17:03	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 17:03	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 17:03	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 17:03	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 17:03	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 17:03	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 17:03	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 17:03	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 17:03	WG2207502
Acetone	ND		11.3	1	01/15/2024 17:03	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 17:03	WG2207502
Acrolein	ND	<u>J4</u>	20.0	1	01/15/2024 17:03	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 17:03	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 17:03	WG2207502
Benzene	ND		1.00	1	01/15/2024 17:03	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Bromoform	ND		1.00	1	01/15/2024 17:03	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 17:03	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 17:03	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 17:03	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Chloroform	ND		1.00	1	01/15/2024 17:03	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 17:03	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 17:03	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 17:03	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 17:03	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Isobutanol	ND		110	1	01/15/2024 17:03	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 17:03	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 17:03	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 17:03	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 17:03	WG2207502
Styrene	ND		1.00	1	01/15/2024 17:03	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 17:03	WG2207502
Toluene	ND		1.00	1	01/15/2024 17:03	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 17:03	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 17:03	WG2207502
Vinyl acetate	ND	<u>J4</u>	5.00	1	01/15/2024 17:03	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 17:03	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 17:03	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 17:03	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 17:03	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 17:03	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 17:03	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 17:03	WG2207502
(S) Toluene-d8	103			80.0-120	01/15/2024 17:03	WG2207502
(S) 1,2-Dichloroethane-d4	103			70.0-130	01/15/2024 17:03	WG2207502
(S) 4-Bromofluorobenzene	97.4			77.0-126	01/15/2024 17:03	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 05:28	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 05:28	WG2207108
2,4-D	ND		4.00	1	01/17/2024 05:28	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	70.4			14.0-158	01/17/2024 05:28	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 02:38	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 02:38	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 02:38	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 02:38	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 02:38	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 02:38	WG2206634
Chlordane	ND		0.500	1	01/17/2024 02:38	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 02:38	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 02:38	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 02:38	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 02:38	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 02:38	WG2206634
Endrin	ND		0.0500	1	01/17/2024 02:38	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 02:38	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 02:38	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 02:38	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 02:38	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 02:38	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 02:38	WG2206634
(S) Decachlorobiphenyl	60.9			10.0-128	01/17/2024 02:38	WG2206634
(S) Tetrachloro-m-xylene	64.5			10.0-127	01/17/2024 02:38	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 02:38	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 02:38	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 02:38	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 02:38	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 02:38	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 02:38	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 02:38	WG2206634
(S) Decachlorobiphenyl	67.4			10.0-128	01/17/2024 02:38	WG2206634
(S) Tetrachloro-m-xylene	70.4			10.0-127	01/17/2024 02:38	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 01:50	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 01:50	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 19:39	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 19:39	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 19:39	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 19:39	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 01:50	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 01:50	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 01:50	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 01:50	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 01:50	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 01:50	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 01:50	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 01:50	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 19:39	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 01:50	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 19:39	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 01:50	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 01:50	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 01:50	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 01:50	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 19:39	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 01:50	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 01:50	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 01:50	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 01:50	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 19:39	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 19:39	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 01:50	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 01:50	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 19:39	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 01:50	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 01:50	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 01:50	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 01:50	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 01:50	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 01:50	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 19:39	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 01:50	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 01:50	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 01:50	WG2206616
Anthracene	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 01:50	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 01:50	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 01:50	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 01:50	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 01:50	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 19:39	WG2206616
Chrysene	ND		10.0	1	01/27/2024 01:50	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 01:50	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 01:50	WG2206616
Diallate	ND		20.0	1	01/27/2024 19:39	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 01:50	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 01:50	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 01:50	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 19:39	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 01:50	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 19:39	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 19:39	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 01:50	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 19:39	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 19:39	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 19:39	WG2206616
Famphur	ND		200	1	01/27/2024 19:39	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 01:50	WG2206616
Fluorene	ND		10.0	1	01/27/2024 01:50	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 01:50	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 01:50	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 01:50	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 01:50	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 19:39	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 01:50	WG2206616
Isodrin	ND		10.0	1	01/27/2024 19:39	WG2206616
Isophorone	ND		10.0	1	01/27/2024 01:50	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 19:39	WG2206616
Kepone	ND		1.88	1	01/27/2024 19:39	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 19:39	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 19:39	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 19:39	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 01:50	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 01:50	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 19:39	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 19:39	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 19:39	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 19:39	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 01:50	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 19:39	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 01:50	WG2206616
Phenol	ND		10.0	1	01/27/2024 01:50	WG2206616
Phorate	ND		50.0	1	01/27/2024 19:39	WG2206616
Pronamide	ND		20.0	1	01/27/2024 19:39	WG2206616
Pyrene	ND		10.0	1	01/27/2024 01:50	WG2206616
Safrole	ND		50.0	1	01/27/2024 19:39	WG2206616
Thionazin	ND		10.0	1	01/27/2024 19:39	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 19:39	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 01:50	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 19:39	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 01:50	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 01:50	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 19:39	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 19:39	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 19:39	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 19:39	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 19:39	WG2206616
(S) 2-Fluorophenol	16.2			10.0-120	01/27/2024 01:50	WG2206616
(S) 2,4,6-Tribromophenol	65.9			10.0-155	01/27/2024 01:50	WG2206616
(S) p-Terphenyl-d14	83.8			10.0-128	01/27/2024 01:50	WG2206616
(S) Phenol-d5	11.9			10.0-120	01/27/2024 01:50	WG2206616
(S) 2-Fluorobiphenyl	57.3			10.0-130	01/27/2024 01:50	WG2206616
(S) Nitrobenzene-d5	39.3			10.0-127	01/27/2024 01:50	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.57	su
Specific Conductance (on site)	654	umhos/cm
Temperature (on-site)	17.8	Deg. C
Turbidity (on-site)	1.4	NTU
Dissolved Oxygen (on-site)	4.2	mg/l
eH/ORP (On Site)	129.4	mV
Depth to water (DTW) (FROM TOC)	68.1	ft

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

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	334		10.0	1	01/14/2024 12:40	WG2206960

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	307		10.0	1	01/18/2024 09:20	WG2207368
Alkalinity,Bicarbonate	307		10.0	1	01/18/2024 09:20	WG2207368
Alkalinity,Carbonate	ND		10.0	1	01/18/2024 09:20	WG2207368

Sample Narrative:

L1695971-11 WG2207368: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/13/2024 11:02	WG2206639

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.70		0.100	2	01/20/2024 22:00	WG2209597

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/13/2024 14:33	WG2206839

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/16/2024 15:45	WG2207353

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	7.08		3.00	1	01/13/2024 02:04	WG2206429
Sulfate	ND		5.00	1	01/13/2024 02:04	WG2206429

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/14/2024 21:03	WG2206689

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/17/2024 20:29	WG2206975

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	01/17/2024 19:56	WG2206795
Barium, Total Recoverable	0.0509		0.00500	1	01/17/2024 19:56	WG2206795
Calcium, Total Recoverable	117	O1	0.200	1	01/17/2024 19:56	WG2206795
Iron, Total Recoverable	ND		0.0600	1	01/17/2024 19:56	WG2206795
Potassium, Total Recoverable	ND		3.00	1	01/17/2024 19:56	WG2206795
Magnesium, Total Recoverable	2.80	O1	0.200	1	01/17/2024 19:56	WG2206795
Manganese, Total Recoverable	0.00409	J	0.00300	1	01/17/2024 19:56	WG2206795
Sodium, Total Recoverable	7.35	O1	5.00	1	01/17/2024 19:56	WG2206795
Lead, Total Recoverable	ND		0.00500	1	01/17/2024 19:56	WG2206795
Selenium, Total Recoverable	ND		0.0100	1	01/17/2024 19:56	WG2206795
Tin, Total Recoverable	ND		0.100	1	01/17/2024 19:56	WG2206795

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 18:37	WG2208511
Beryllium, Total Recoverable	ND		0.00100	1	01/28/2024 18:37	WG2208511
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 18:37	WG2208511
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 18:37	WG2208511
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 18:37	WG2208511
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 18:37	WG2208511
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 18:37	WG2208511
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 18:37	WG2208511
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 18:37	WG2208511
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 18:37	WG2208511
Zinc, Total Recoverable	0.00512	J	0.00500	1	01/28/2024 18:37	WG2208511

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,1,1-Trichloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,1,2-Trichloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,1-Dichloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,1-Dichloroethene	ND		1.00	1	01/15/2024 17:23	WG2207502
1,1-Dichloropropene	ND		1.00	1	01/15/2024 17:23	WG2207502
1,2,3-Trichloropropane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/15/2024 17:23	WG2207502
1,2-Dibromoethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,2-Dichlorobenzene	ND		1.00	1	01/15/2024 17:23	WG2207502
1,2-Dichloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,2-Dichloropropane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,3-Dichlorobenzene	ND		1.00	1	01/15/2024 17:23	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/15/2024 17:23	WG2207502
1,4-Dichlorobenzene	ND		1.00	1	01/15/2024 17:23	WG2207502
2,2-Dichloropropane	ND		5.00	1	01/15/2024 17:23	WG2207502
2-Butanone (MEK)	ND		5.00	1	01/15/2024 17:23	WG2207502
2-Hexanone	ND		5.00	1	01/15/2024 17:23	WG2207502
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/15/2024 17:23	WG2207502
Acetone	ND		11.3	1	01/15/2024 17:23	WG2207502
Acetonitrile	ND		30.0	1	01/15/2024 17:23	WG2207502
Acrolein	ND	<u>J4</u>	20.0	1	01/15/2024 17:23	WG2207502
Acrylonitrile	ND		20.0	1	01/15/2024 17:23	WG2207502
Allyl chloride	ND		10.0	1	01/15/2024 17:23	WG2207502
Benzene	ND		1.00	1	01/15/2024 17:23	WG2207502
Bromochloromethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Bromodichloromethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Bromoform	ND		1.00	1	01/15/2024 17:23	WG2207502
Bromomethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Carbon disulfide	ND		1.00	1	01/15/2024 17:23	WG2207502
Carbon tetrachloride	ND		1.00	1	01/15/2024 17:23	WG2207502
Chlorobenzene	ND		1.00	1	01/15/2024 17:23	WG2207502
Chloroethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Chloroform	ND		1.00	1	01/15/2024 17:23	WG2207502
Chloromethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Chloroprene	ND		1.70	1	01/15/2024 17:23	WG2207502
Dibromochloromethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Dibromomethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Dichlorodifluoromethane	ND		2.00	1	01/15/2024 17:23	WG2207502
Ethyl methacrylate	ND		3.00	1	01/15/2024 17:23	WG2207502
Ethylbenzene	ND		1.00	1	01/15/2024 17:23	WG2207502
Iodomethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Isobutanol	ND		110	1	01/15/2024 17:23	WG2207502
Methacrylonitrile	ND		13.0	1	01/15/2024 17:23	WG2207502
Methyl methacrylate	ND		4.00	1	01/15/2024 17:23	WG2207502
Methylene Chloride	ND		1.07	1	01/15/2024 17:23	WG2207502
Propionitrile	ND		20.0	1	01/15/2024 17:23	WG2207502
Styrene	ND		1.00	1	01/15/2024 17:23	WG2207502
Tetrachloroethene	ND		1.00	1	01/15/2024 17:23	WG2207502
Toluene	ND		1.00	1	01/15/2024 17:23	WG2207502
Trichloroethene	ND		1.00	1	01/15/2024 17:23	WG2207502
Trichlorofluoromethane	ND		1.00	1	01/15/2024 17:23	WG2207502
Vinyl acetate	ND	<u>J4</u>	5.00	1	01/15/2024 17:23	WG2207502
Vinyl chloride	ND		1.00	1	01/15/2024 17:23	WG2207502
Xylenes, Total	ND		1.00	1	01/15/2024 17:23	WG2207502
cis-1,2-Dichloroethene	ND		1.00	1	01/15/2024 17:23	WG2207502
cis-1,3-Dichloropropene	ND		1.00	1	01/15/2024 17:23	WG2207502
trans-1,2-Dichloroethene	ND		1.00	1	01/15/2024 17:23	WG2207502
trans-1,3-Dichloropropene	ND		1.00	1	01/15/2024 17:23	WG2207502
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/15/2024 17:23	WG2207502
(S) Toluene-d8	103			80.0-120	01/15/2024 17:23	WG2207502
(S) 1,2-Dichloroethane-d4	102			70.0-130	01/15/2024 17:23	WG2207502
(S) 4-Bromofluorobenzene	95.6			77.0-126	01/15/2024 17:23	WG2207502

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/17/2024 05:40	WG2207108
2,4,5-Tp (Silvex)	ND		1.00	1	01/17/2024 05:40	WG2207108
2,4-D	ND		4.00	1	01/17/2024 05:40	WG2207108
(S) 2,4-Dichlorophenyl Acetic Acid	69.8			14.0-158	01/17/2024 05:40	WG2207108

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 02:48	WG2206634
4,4-DDE	ND		0.0500	1	01/17/2024 02:48	WG2206634
4,4-DDT	ND		0.0500	1	01/17/2024 02:48	WG2206634
Aldrin	ND		0.0500	1	01/17/2024 02:48	WG2206634
Alpha BHC	ND		0.0500	1	01/17/2024 02:48	WG2206634
Beta BHC	ND		0.500	1	01/17/2024 02:48	WG2206634
Chlordane	ND		0.500	1	01/17/2024 02:48	WG2206634
Delta BHC	ND		0.0500	1	01/17/2024 02:48	WG2206634
Dieldrin	ND		0.0500	1	01/17/2024 02:48	WG2206634
Endosulfan I	ND		0.0500	1	01/17/2024 02:48	WG2206634
Endosulfan II	ND		0.0500	1	01/17/2024 02:48	WG2206634
Endosulfan sulfate	ND		0.0500	1	01/17/2024 02:48	WG2206634
Endrin	ND		0.0500	1	01/17/2024 02:48	WG2206634
Endrin aldehyde	ND		0.0500	1	01/17/2024 02:48	WG2206634
Gamma BHC	ND		0.0500	1	01/17/2024 02:48	WG2206634
Heptachlor	ND		0.0500	1	01/17/2024 02:48	WG2206634
Heptachlor epoxide	ND		0.0500	1	01/17/2024 02:48	WG2206634
Methoxychlor	ND		0.100	1	01/17/2024 02:48	WG2206634
Toxaphene	ND		5.00	1	01/17/2024 02:48	WG2206634
(S) Decachlorobiphenyl	67.6			10.0-128	01/17/2024 02:48	WG2206634
(S) Tetrachloro-m-xylene	62.4			10.0-127	01/17/2024 02:48	WG2206634

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 02:48	WG2206634
PCB 1221	ND		1.00	1	01/17/2024 02:48	WG2206634
PCB 1232	ND		1.00	1	01/17/2024 02:48	WG2206634
PCB 1242	ND		1.00	1	01/17/2024 02:48	WG2206634
PCB 1248	ND		1.00	1	01/17/2024 02:48	WG2206634
PCB 1254	ND		1.00	1	01/17/2024 02:48	WG2206634
PCB 1260	ND		1.00	1	01/17/2024 02:48	WG2206634
(S) Decachlorobiphenyl	73.4			10.0-128	01/17/2024 02:48	WG2206634
(S) Tetrachloro-m-xylene	68.0			10.0-127	01/17/2024 02:48	WG2206634

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/27/2024 02:11	WG2206616
1,2,4-Trichlorobenzene	ND		10.0	1	01/27/2024 02:11	WG2206616
1,3,5-Trinitrobenzene	ND		50.0	1	01/27/2024 19:57	WG2206616
1,3-Dinitrobenzene	ND		10.0	1	01/27/2024 19:57	WG2206616
1,4-Naphthoquinone	ND	J4	50.0	1	01/27/2024 19:57	WG2206616
1-Naphthylamine	ND		10.0	1	01/27/2024 19:57	WG2206616
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/27/2024 02:11	WG2206616
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/27/2024 02:11	WG2206616

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/27/2024 02:11	WG2206616
2,4,6-Trichlorophenol	ND		10.0	1	01/27/2024 02:11	WG2206616
2,4-Dichlorophenol	ND		10.0	1	01/27/2024 02:11	WG2206616
2,4-Dimethylphenol	ND		10.0	1	01/27/2024 02:11	WG2206616
2,4-Dinitrophenol	ND		50.0	1	01/27/2024 02:11	WG2206616
2,4-Dinitrotoluene	ND		10.0	1	01/27/2024 02:11	WG2206616
2,6-Dichlorophenol	ND		10.0	1	01/27/2024 19:57	WG2206616
2,6-Dinitrotoluene	ND		10.0	1	01/27/2024 02:11	WG2206616
2-Acetylaminofluorene	ND	J4	100	1	01/27/2024 19:57	WG2206616
2-Chloronaphthalene	ND		10.0	1	01/27/2024 02:11	WG2206616
2-Chlorophenol	ND		10.0	1	01/27/2024 02:11	WG2206616
2-Methylnaphthalene	ND		10.0	1	01/27/2024 02:11	WG2206616
2-Methylphenol	ND		10.0	1	01/27/2024 02:11	WG2206616
2-Naphthylamine	ND		10.0	1	01/27/2024 19:57	WG2206616
2-Nitroaniline	ND		50.0	1	01/27/2024 02:11	WG2206616
2-Nitrophenol	ND		10.0	1	01/27/2024 02:11	WG2206616
3&4-Methyl Phenol	ND		10.0	1	01/27/2024 02:11	WG2206616
3,3-Dichlorobenzidine	ND		50.0	1	01/27/2024 02:11	WG2206616
3,3-Dimethylbenzidine	ND		20.0	1	01/27/2024 19:57	WG2206616
3-Methylcholanthrene	ND		20.0	1	01/27/2024 19:57	WG2206616
3-Nitroaniline	ND		50.0	1	01/27/2024 02:11	WG2206616
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/27/2024 02:11	WG2206616
4-Aminobiphenyl	ND		10.0	1	01/27/2024 19:57	WG2206616
4-Bromophenyl-phenylether	ND		50.0	1	01/27/2024 02:11	WG2206616
4-Chloro-3-methylphenol	ND	J4	10.0	1	01/27/2024 02:11	WG2206616
4-Chloroaniline	ND		10.0	1	01/27/2024 02:11	WG2206616
4-Chlorophenyl-phenylether	ND		10.0	1	01/27/2024 02:11	WG2206616
4-Nitroaniline	ND		50.0	1	01/27/2024 02:11	WG2206616
4-Nitrophenol	ND		50.0	1	01/27/2024 02:11	WG2206616
5-Nitro-o-toluidine	ND		20.0	1	01/27/2024 19:57	WG2206616
Acenaphthene	ND		10.0	1	01/27/2024 02:11	WG2206616
Acenaphthylene	ND		10.0	1	01/27/2024 02:11	WG2206616
Acetophenone	ND		10.0	1	01/27/2024 02:11	WG2206616
Anthracene	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzo(A)Anthracene	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzo(a)pyrene	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzo(b)fluoranthene	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzo(g,h,i)perylene	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzo(k)fluoranthene	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzyl Alcohol	ND		10.0	1	01/27/2024 02:11	WG2206616
Benzylbutyl phthalate	ND		10.0	1	01/27/2024 02:11	WG2206616
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/27/2024 02:11	WG2206616
Bis(2-chloroethoxy)methane	ND		10.0	1	01/27/2024 02:11	WG2206616
Bis(2-chloroethyl)ether	ND		10.0	1	01/27/2024 02:11	WG2206616
Chlorobenzilate	ND		10.0	1	01/27/2024 19:57	WG2206616
Chrysene	ND		10.0	1	01/27/2024 02:11	WG2206616
Di-n-butyl phthalate	ND		10.0	1	01/27/2024 02:11	WG2206616
Di-n-octyl phthalate	ND		10.0	1	01/27/2024 02:11	WG2206616
Diallate	ND		20.0	1	01/27/2024 19:57	WG2206616
Dibenz(a,h)anthracene	ND		20.0	1	01/27/2024 02:11	WG2206616
Dibenzofuran	ND		10.0	1	01/27/2024 02:11	WG2206616
Diethyl phthalate	ND		10.0	1	01/27/2024 02:11	WG2206616
Dimethoate	ND		20.0	1	01/27/2024 19:57	WG2206616
Dimethyl phthalate	ND		10.0	1	01/27/2024 02:11	WG2206616
Dimethylbenz (A) Anthracene	ND		20.0	1	01/27/2024 19:57	WG2206616
Dinoseb	ND		17.9	1	01/27/2024 19:57	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/27/2024 02:11	WG2206616
Disulfoton	ND		50.0	1	01/27/2024 19:57	WG2206616
Ethyl methanesulfonate	ND		10.0	1	01/27/2024 19:57	WG2206616
Ethyl parathion	ND		50.0	1	01/27/2024 19:57	WG2206616
Famphur	ND		200	1	01/27/2024 19:57	WG2206616
Fluoranthene	ND		1.00	1	01/27/2024 02:11	WG2206616
Fluorene	ND		10.0	1	01/27/2024 02:11	WG2206616
Hexachloro-1,3-butadiene	ND		10.0	1	01/27/2024 02:11	WG2206616
Hexachlorobenzene	ND		10.0	1	01/27/2024 02:11	WG2206616
Hexachlorocyclopentadiene	ND		50.0	1	01/27/2024 02:11	WG2206616
Hexachloroethane	ND		10.0	1	01/27/2024 02:11	WG2206616
Hexachloropropene	ND		100	1	01/27/2024 19:57	WG2206616
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/27/2024 02:11	WG2206616
Isodrin	ND		10.0	1	01/27/2024 19:57	WG2206616
Isophorone	ND		10.0	1	01/27/2024 02:11	WG2206616
Isosafrole	ND		20.0	1	01/27/2024 19:57	WG2206616
Kepone	ND		1.88	1	01/27/2024 19:57	WG2206616
Methapyrilene	ND		50.0	1	01/27/2024 19:57	WG2206616
Methyl methanesulfonate	ND		50.0	1	01/27/2024 19:57	WG2206616
Methyl parathion	ND		10.0	1	01/27/2024 19:57	WG2206616
Naphthalene	ND		10.0	1	01/27/2024 02:11	WG2206616
Nitrobenzene	ND		10.0	1	01/27/2024 02:11	WG2206616
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/27/2024 19:57	WG2206616
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/27/2024 19:57	WG2206616
Pentachlorobenzene	ND		10.0	1	01/27/2024 19:57	WG2206616
Pentachloronitrobenzene	ND		50.0	1	01/27/2024 19:57	WG2206616
Pentachlorophenol	ND		50.0	1	01/27/2024 02:11	WG2206616
Phenacetin	ND		10.0	1	01/27/2024 19:57	WG2206616
Phenanthrene	ND		20.0	1	01/27/2024 02:11	WG2206616
Phenol	ND		10.0	1	01/27/2024 02:11	WG2206616
Phorate	ND		50.0	1	01/27/2024 19:57	WG2206616
Pronamide	ND		20.0	1	01/27/2024 19:57	WG2206616
Pyrene	ND		10.0	1	01/27/2024 02:11	WG2206616
Safrole	ND		50.0	1	01/27/2024 19:57	WG2206616
Thionazin	ND		10.0	1	01/27/2024 19:57	WG2206616
n-Nitrosodi-n-butylamine	ND		10.0	1	01/27/2024 19:57	WG2206616
n-Nitrosodi-n-propylamine	ND		10.0	1	01/27/2024 02:11	WG2206616
n-Nitrosodiethylamine	ND		10.0	1	01/27/2024 19:57	WG2206616
n-Nitrosodimethylamine	ND		10.0	1	01/27/2024 02:11	WG2206616
n-Nitrosodiphenylamine	ND		10.0	1	01/27/2024 02:11	WG2206616
n-Nitrosomethylethylamine	ND		10.0	1	01/27/2024 19:57	WG2206616
n-Nitrosopiperidine	ND		10.0	1	01/27/2024 19:57	WG2206616
n-Nitrosopyrrolidine	ND		10.0	1	01/27/2024 19:57	WG2206616
o-Toluidine	ND		10.0	1	01/27/2024 19:57	WG2206616
p-Phenylenediamine	ND	J4	387	1	01/27/2024 19:57	WG2206616
(S) 2-Fluorophenol	20.2			10.0-120	01/27/2024 02:11	WG2206616
(S) 2,4,6-Tribromophenol	50.1			10.0-155	01/27/2024 02:11	WG2206616
(S) p-Terphenyl-d14	78.4			10.0-128	01/27/2024 02:11	WG2206616
(S) Phenol-d5	13.9			10.0-120	01/27/2024 02:11	WG2206616
(S) 2-Fluorobiphenyl	64.5			10.0-130	01/27/2024 02:11	WG2206616
(S) Nitrobenzene-d5	47.2			10.0-127	01/27/2024 02:11	WG2206616

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Dissolved Solids	289	J3	10.0	1	01/17/2024 16:31	WG2208258

1 Cp

2 Tc

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Alkalinity	275		10.0	1	01/18/2024 11:32	WG2207364
Alkalinity,Bicarbonate	275		10.0	1	01/18/2024 11:32	WG2207364
Alkalinity,Carbonate	ND		10.0	1	01/18/2024 11:32	WG2207364

3 Ss

4 Cn

5 Sr

Sample Narrative:

L1695971-12 WG2207364: Endpoint pH 4.5 Headspace

6 Qc

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Ammonia Nitrogen	ND		0.100	1	01/19/2024 13:06	WG2209141

7 Gl

8 Al

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Nitrate-Nitrite	1.77		0.100	1	01/20/2024 22:02	WG2209597

9 Sc

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Sulfide	ND		4.00	1	01/17/2024 11:20	WG2207915

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Cyanide	ND		0.0100	1	01/19/2024 17:49	WG2208142

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Chloride	5.43		3.00	1	01/16/2024 20:59	WG2207803
Sulfate	ND		5.00	1	01/16/2024 20:59	WG2207803

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	ND		1.00	1	01/17/2024 11:41	WG2207930

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury,Total Recoverable	ND		0.000200	1	01/18/2024 12:17	WG2207965

Metals (ICP) by Method 6010B

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	01/18/2024 22:22	WG2207882
Barium, Total Recoverable	0.0442		0.00500	1	01/18/2024 22:22	WG2207882
Calcium, Total Recoverable	114		0.200	1	01/18/2024 22:22	WG2207882
Iron, Total Recoverable	ND		0.0600	1	01/18/2024 22:22	WG2207882
Potassium, Total Recoverable	ND		3.00	1	01/18/2024 22:22	WG2207882
Magnesium, Total Recoverable	1.43		0.200	1	01/18/2024 22:22	WG2207882
Manganese, Total Recoverable	ND		0.00300	1	01/18/2024 22:22	WG2207882
Sodium, Total Recoverable	5.55		5.00	1	01/18/2024 22:22	WG2207882
Lead, Total Recoverable	ND		0.00500	1	01/18/2024 22:22	WG2207882
Selenium, Total Recoverable	ND		0.0100	1	01/18/2024 22:22	WG2207882
Tin, Total Recoverable	ND		0.100	1	01/18/2024 22:22	WG2207882

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	Qualifier	RL mg/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/28/2024 18:41	WG2208511
Beryllium, Total Recoverable	ND		0.00100	1	01/28/2024 18:41	WG2208511
Cadmium, Total Recoverable	ND		0.00100	1	01/28/2024 18:41	WG2208511
Cobalt, Total Recoverable	ND		0.00300	1	01/28/2024 18:41	WG2208511
Chromium, Total Recoverable	ND		0.00300	1	01/28/2024 18:41	WG2208511
Copper, Total Recoverable	ND		0.00400	1	01/28/2024 18:41	WG2208511
Nickel, Total Recoverable	ND		0.00400	1	01/28/2024 18:41	WG2208511
Antimony, Total Recoverable	ND		0.00200	1	01/28/2024 18:41	WG2208511
Thallium, Total Recoverable	ND		0.00100	1	01/28/2024 18:41	WG2208511
Vanadium, Total Recoverable	ND		0.00300	1	01/28/2024 18:41	WG2208511
Zinc, Total Recoverable	0.0130	J	0.00500	1	01/28/2024 18:41	WG2208511

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

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,1,1-Trichloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,1,2-Trichloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,1-Dichloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,1-Dichloroethene	ND		1.00	1	01/18/2024 00:02	WG2208442
1,1-Dichloropropene	ND		1.00	1	01/18/2024 00:02	WG2208442
1,2,3-Trichloropropane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/18/2024 00:02	WG2208442
1,2-Dibromoethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,2-Dichlorobenzene	ND		1.00	1	01/18/2024 00:02	WG2208442
1,2-Dichloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,2-Dichloropropane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,3-Dichlorobenzene	ND		1.00	1	01/18/2024 00:02	WG2208442
1,3-Dichloropropane	ND		1.00	1	01/18/2024 00:02	WG2208442
1,4-Dichlorobenzene	ND		1.00	1	01/18/2024 00:02	WG2208442
2,2-Dichloropropane	ND		5.00	1	01/18/2024 00:02	WG2208442
2-Butanone (MEK)	ND		5.00	1	01/18/2024 00:02	WG2208442
2-Hexanone	ND		5.00	1	01/18/2024 00:02	WG2208442
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/18/2024 00:02	WG2208442
Acetone	ND		11.3	1	01/18/2024 00:02	WG2208442
Acetonitrile	ND		30.0	1	01/18/2024 00:02	WG2208442
Acrolein	ND		20.0	1	01/18/2024 00:02	WG2208442
Acrylonitrile	ND		20.0	1	01/18/2024 00:02	WG2208442
Allyl chloride	ND		10.0	1	01/18/2024 00:02	WG2208442

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Benzene	ND		1.00	1	01/18/2024 00:02	WG2208442
Bromochloromethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Bromodichloromethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Bromoform	ND		1.00	1	01/18/2024 00:02	WG2208442
Bromomethane	ND	J4	1.00	1	01/18/2024 00:02	WG2208442
Carbon disulfide	ND		1.00	1	01/18/2024 00:02	WG2208442
Carbon tetrachloride	ND		1.00	1	01/18/2024 00:02	WG2208442
Chlorobenzene	ND		1.00	1	01/18/2024 00:02	WG2208442
Chloroethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Chloroform	ND		1.00	1	01/18/2024 00:02	WG2208442
Chloromethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Chloroprene	ND		1.70	1	01/18/2024 00:02	WG2208442
Dibromochloromethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Dibromomethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Dichlorodifluoromethane	ND	J3	2.00	1	01/18/2024 00:02	WG2208442
Ethyl methacrylate	ND		3.00	1	01/18/2024 00:02	WG2208442
Ethylbenzene	ND		1.00	1	01/18/2024 00:02	WG2208442
Iodomethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Isobutanol	ND		110	1	01/18/2024 00:02	WG2208442
Methacrylonitrile	ND		13.0	1	01/18/2024 00:02	WG2208442
Methyl methacrylate	ND		4.00	1	01/18/2024 00:02	WG2208442
Methylene Chloride	ND		1.07	1	01/18/2024 00:02	WG2208442
Propionitrile	ND		20.0	1	01/18/2024 00:02	WG2208442
Styrene	ND		1.00	1	01/18/2024 00:02	WG2208442
Tetrachloroethene	ND		1.00	1	01/18/2024 00:02	WG2208442
Toluene	ND		1.00	1	01/18/2024 00:02	WG2208442
Trichloroethene	ND		1.00	1	01/18/2024 00:02	WG2208442
Trichlorofluoromethane	ND		1.00	1	01/18/2024 00:02	WG2208442
Vinyl acetate	ND	J3	5.00	1	01/18/2024 00:02	WG2208442
Vinyl chloride	ND		1.00	1	01/18/2024 00:02	WG2208442
Xylenes, Total	ND		1.00	1	01/18/2024 00:02	WG2208442
cis-1,2-Dichloroethene	ND		1.00	1	01/18/2024 00:02	WG2208442
cis-1,3-Dichloropropene	ND		1.00	1	01/18/2024 00:02	WG2208442
trans-1,2-Dichloroethene	ND		1.00	1	01/18/2024 00:02	WG2208442
trans-1,3-Dichloropropene	ND		1.00	1	01/18/2024 00:02	WG2208442
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/18/2024 00:02	WG2208442
(S) Toluene-d8	118			80.0-120	01/18/2024 00:02	WG2208442
(S) 1,2-Dichloroethane-d4	111			70.0-130	01/18/2024 00:02	WG2208442
(S) 4-Bromofluorobenzene	104			77.0-126	01/18/2024 00:02	WG2208442

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

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND		1.00	1	01/19/2024 01:15	WG2207844
2,4,5-Tp (Silvex)	ND		1.00	1	01/19/2024 01:15	WG2207844
2,4-D	ND		4.00	1	01/19/2024 01:15	WG2207844
(S) 2,4-Dichlorophenyl Acetic Acid	102			14.0-158	01/19/2024 01:15	WG2207844

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/17/2024 21:42	WG2207944
4,4-DDE	ND		0.0500	1	01/17/2024 21:42	WG2207944
4,4-DDT	ND		0.0500	1	01/17/2024 21:42	WG2207944
Aldrin	ND		0.0500	1	01/17/2024 21:42	WG2207944

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Alpha BHC	ND		0.0500	1	01/17/2024 21:42	WG2207944
Beta BHC	ND		0.500	1	01/17/2024 21:42	WG2207944
Chlordane	ND		0.500	1	01/17/2024 21:42	WG2207944
Delta BHC	ND		0.0500	1	01/17/2024 21:42	WG2207944
Dieldrin	ND		0.0500	1	01/17/2024 21:42	WG2207944
Endosulfan I	ND		0.0500	1	01/17/2024 21:42	WG2207944
Endosulfan II	ND		0.0500	1	01/17/2024 21:42	WG2207944
Endosulfan sulfate	ND		0.0500	1	01/17/2024 21:42	WG2207944
Endrin	ND		0.0500	1	01/17/2024 21:42	WG2207944
Endrin aldehyde	ND		0.0500	1	01/17/2024 21:42	WG2207944
Gamma BHC	ND		0.0500	1	01/17/2024 21:42	WG2207944
Heptachlor	ND		0.0500	1	01/17/2024 21:42	WG2207944
Heptachlor epoxide	ND		0.0500	1	01/17/2024 21:42	WG2207944
Methoxychlor	ND		0.100	1	01/17/2024 21:42	WG2207944
Toxaphene	ND		5.00	1	01/17/2024 21:42	WG2207944
(S) Decachlorobiphenyl	70.6			10.0-128	01/17/2024 21:42	WG2207944
(S) Tetrachloro-m-xylene	61.8			10.0-127	01/17/2024 21:42	WG2207944

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

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/17/2024 21:42	WG2207944
PCB 1221	ND		1.00	1	01/17/2024 21:42	WG2207944
PCB 1232	ND		1.00	1	01/17/2024 21:42	WG2207944
PCB 1242	ND		1.00	1	01/17/2024 21:42	WG2207944
PCB 1248	ND		1.00	1	01/17/2024 21:42	WG2207944
PCB 1254	ND		1.00	1	01/17/2024 21:42	WG2207944
PCB 1260	ND	J3	1.00	1	01/17/2024 21:42	WG2207944
(S) Decachlorobiphenyl	93.6			10.0-128	01/17/2024 21:42	WG2207944
(S) Tetrachloro-m-xylene	71.0			10.0-127	01/17/2024 21:42	WG2207944

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/25/2024 17:18	WG2207873
1,2,4-Trichlorobenzene	ND		10.0	1	01/25/2024 17:18	WG2207873
1,3,5-Trinitrobenzene	ND		50.0	1	01/26/2024 20:36	WG2207873
1,3-Dinitrobenzene	ND		10.0	1	01/26/2024 20:36	WG2207873
1,4-Naphthoquinone	ND	J4	50.0	1	01/26/2024 20:36	WG2207873
1-Naphthylamine	ND		10.0	1	01/26/2024 20:36	WG2207873
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/25/2024 17:18	WG2207873
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/25/2024 17:18	WG2207873
2,4,5-Trichlorophenol	ND		10.0	1	01/25/2024 17:18	WG2207873
2,4,6-Trichlorophenol	ND		10.0	1	01/25/2024 17:18	WG2207873
2,4-Dichlorophenol	ND		10.0	1	01/25/2024 17:18	WG2207873
2,4-Dimethylphenol	ND		10.0	1	01/25/2024 17:18	WG2207873
2,4-Dinitrophenol	ND		50.0	1	01/25/2024 17:18	WG2207873
2,4-Dinitrotoluene	ND		10.0	1	01/25/2024 17:18	WG2207873
2,6-Dichlorophenol	ND		10.0	1	01/26/2024 20:36	WG2207873
2,6-Dinitrotoluene	ND		10.0	1	01/25/2024 17:18	WG2207873
2-Acetylaminofluorene	ND		100	1	01/26/2024 20:36	WG2207873
2-Chloronaphthalene	ND		10.0	1	01/25/2024 17:18	WG2207873
2-Chlorophenol	ND		10.0	1	01/25/2024 17:18	WG2207873
2-Methylnaphthalene	ND		10.0	1	01/25/2024 17:18	WG2207873
2-Methylphenol	ND		10.0	1	01/25/2024 17:18	WG2207873

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2-Naphthylamine	ND		10.0	1	01/26/2024 20:36	WG2207873
2-Nitroaniline	ND		50.0	1	01/25/2024 17:18	WG2207873
2-Nitrophenol	ND		10.0	1	01/25/2024 17:18	WG2207873
3&4-Methyl Phenol	ND		10.0	1	01/25/2024 17:18	WG2207873
3,3-Dichlorobenzidine	ND		50.0	1	01/25/2024 17:18	WG2207873
3,3-Dimethylbenzidine	ND		20.0	1	01/26/2024 20:36	WG2207873
3-Methylcholanthrene	ND		20.0	10	01/29/2024 16:37	WG2207873
3-Nitroaniline	ND		50.0	1	01/25/2024 17:18	WG2207873
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/25/2024 17:18	WG2207873
4-Aminobiphenyl	ND		10.0	1	01/26/2024 20:36	WG2207873
4-Bromophenyl-phenylether	ND		50.0	1	01/25/2024 17:18	WG2207873
4-Chloro-3-methylphenol	ND		10.0	1	01/25/2024 17:18	WG2207873
4-Chloroaniline	ND		10.0	1	01/25/2024 17:18	WG2207873
4-Chlorophenyl-phenylether	ND		10.0	1	01/25/2024 17:18	WG2207873
4-Nitroaniline	ND		50.0	1	01/25/2024 17:18	WG2207873
4-Nitrophenol	ND		50.0	1	01/25/2024 17:18	WG2207873
5-Nitro-o-toluidine	ND		20.0	1	01/26/2024 20:36	WG2207873
Acenaphthene	ND		10.0	1	01/25/2024 17:18	WG2207873
Acenaphthylene	ND		10.0	1	01/25/2024 17:18	WG2207873
Acetophenone	ND		10.0	1	01/25/2024 17:18	WG2207873
Anthracene	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzo(A)Anthracene	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzo(a)pyrene	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzo(b)fluoranthene	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzo(g,h,i)perylene	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzo(k)fluoranthene	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzyl Alcohol	ND		10.0	1	01/25/2024 17:18	WG2207873
Benzylbutyl phthalate	ND		10.0	1	01/25/2024 17:18	WG2207873
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/25/2024 17:18	WG2207873
Bis(2-chlorethoxy)methane	ND		10.0	1	01/25/2024 17:18	WG2207873
Bis(2-chloroethyl)ether	ND		10.0	1	01/25/2024 17:18	WG2207873
Chlorobenzilate	ND		10.0	1	01/26/2024 20:36	WG2207873
Chrysene	ND		10.0	1	01/25/2024 17:18	WG2207873
Di-n-butyl phthalate	ND		10.0	1	01/25/2024 17:18	WG2207873
Di-n-octyl phthalate	ND		10.0	1	01/25/2024 17:18	WG2207873
Diallate	ND		20.0	1	01/26/2024 20:36	WG2207873
Dibenz(a,h)anthracene	ND		20.0	1	01/25/2024 17:18	WG2207873
Dibenzofuran	ND		10.0	1	01/25/2024 17:18	WG2207873
Diethyl phthalate	ND		10.0	1	01/25/2024 17:18	WG2207873
Dimethoate	ND		20.0	1	01/26/2024 20:36	WG2207873
Dimethyl phthalate	ND		10.0	1	01/25/2024 17:18	WG2207873
Dimethylbenz (A) Anthracene	ND		20.0	10	01/29/2024 16:37	WG2207873
Dinoseb	ND		17.9	1	01/26/2024 20:36	WG2207873
Diphenylamine	ND		10.0	1	01/25/2024 17:18	WG2207873
Disulfoton	ND		50.0	1	01/26/2024 20:36	WG2207873
Ethyl methanesulfonate	ND		10.0	1	01/26/2024 20:36	WG2207873
Ethyl parathion	ND		50.0	1	01/26/2024 20:36	WG2207873
Famphur	ND		200	1	01/26/2024 20:36	WG2207873
Fluoranthene	ND		1.00	1	01/25/2024 17:18	WG2207873
Fluorene	ND		10.0	1	01/25/2024 17:18	WG2207873
Hexachloro-1,3-butadiene	ND		10.0	1	01/25/2024 17:18	WG2207873
Hexachlorobenzene	ND		10.0	1	01/25/2024 17:18	WG2207873
Hexachlorocyclopentadiene	ND		50.0	1	01/25/2024 17:18	WG2207873
Hexachloroethane	ND		10.0	1	01/25/2024 17:18	WG2207873
Hexachloropropene	ND		100	1	01/26/2024 20:36	WG2207873
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/25/2024 17:18	WG2207873

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Isodrin	ND		10.0	1	01/26/2024 20:36	WG2207873
Isophorone	ND		10.0	1	01/25/2024 17:18	WG2207873
Isosafrole	ND		20.0	1	01/26/2024 20:36	WG2207873
Kepone	ND		1.88	1	01/26/2024 20:36	WG2207873
Methapyrilene	ND		50.0	1	01/26/2024 20:36	WG2207873
Methyl methanesulfonate	ND		50.0	1	01/26/2024 20:36	WG2207873
Methyl parathion	ND		10.0	1	01/26/2024 20:36	WG2207873
Naphthalene	ND		10.0	1	01/25/2024 17:18	WG2207873
Nitrobenzene	ND		10.0	1	01/25/2024 17:18	WG2207873
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/26/2024 20:36	WG2207873
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/26/2024 20:36	WG2207873
Pentachlorobenzene	ND		10.0	1	01/26/2024 20:36	WG2207873
Pentachloronitrobenzene	ND		50.0	1	01/26/2024 20:36	WG2207873
Pentachlorophenol	ND		50.0	1	01/25/2024 17:18	WG2207873
Phenacetin	ND		10.0	1	01/26/2024 20:36	WG2207873
Phenanthrene	ND		20.0	1	01/25/2024 17:18	WG2207873
Phenol	ND		10.0	1	01/25/2024 17:18	WG2207873
Phorate	ND		50.0	1	01/26/2024 20:36	WG2207873
Pronamide	ND		20.0	1	01/26/2024 20:36	WG2207873
Pyrene	ND		10.0	1	01/25/2024 17:18	WG2207873
Safrole	ND		50.0	1	01/26/2024 20:36	WG2207873
Thionazin	ND		10.0	1	01/26/2024 20:36	WG2207873
n-Nitrosodi-n-butylamine	ND		10.0	1	01/26/2024 20:36	WG2207873
n-Nitrosodi-n-propylamine	ND		10.0	1	01/25/2024 17:18	WG2207873
n-Nitrosodiethylamine	ND		10.0	1	01/26/2024 20:36	WG2207873
n-Nitrosodimethylamine	ND		10.0	1	01/25/2024 17:18	WG2207873
n-Nitrosodiphenylamine	ND		10.0	1	01/25/2024 17:18	WG2207873
n-Nitrosomethylethylamine	ND		10.0	1	01/26/2024 20:36	WG2207873
n-Nitrosopiperidine	ND		10.0	1	01/26/2024 20:36	WG2207873
n-Nitrosopyrrolidine	ND		10.0	1	01/26/2024 20:36	WG2207873
o-Toluidine	ND		10.0	1	01/26/2024 20:36	WG2207873
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/26/2024 20:36	WG2207873
(S) 2-Fluorophenol	28.4			10.0-120	01/25/2024 17:18	WG2207873
(S) 2,4,6-Tribromophenol	57.7			10.0-155	01/25/2024 17:18	WG2207873
(S) p-Terphenyl-d14	72.1			10.0-128	01/25/2024 17:18	WG2207873
(S) Phenol-d5	20.9			10.0-120	01/25/2024 17:18	WG2207873
(S) 2-Fluorobiphenyl	54.9			10.0-130	01/25/2024 17:18	WG2207873
(S) Nitrobenzene-d5	50.2			10.0-127	01/25/2024 17:18	WG2207873

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1695971-12 WG2207873: IS/SURR failed on lower dilution.

Method Blank (MB)

(MB) R4024377-1 01/14/24 12:40

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

1 Cp

2 Tc

3 Ss

L1695971-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-06 01/14/24 12:40 • (DUP) R4024377-3 01/14/24 12:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	212	218	1	2.79		5

4 Cn

5 Sr

6 Qc

L1695971-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-07 01/14/24 12:40 • (DUP) R4024377-4 01/14/24 12:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	289	292	1	1.03		5

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4024377-2 01/14/24 12:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8480	96.4	85.0-115	

Method Blank (MB)

(MB) R4024516-1 01/17/24 16:31

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

1 Cp

2 Tc

3 Ss

L1695971-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-12 01/17/24 16:31 • (DUP) R4024516-3 01/17/24 16:31

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Dissolved Solids	289	304	1	5.06	<u>J3</u>	5

4 Cn

5 Sr

Laboratory Control Sample (LCS)

(LCS) R4024516-2 01/17/24 16:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Dissolved Solids	8800	8650	98.3	85.0-115	

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4025973-1 01/22/24 16:33

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

¹Cp

²Tc

³Ss

L1695751-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1695751-02 01/22/24 16:33 • (DUP) R4025973-3 01/22/24 16:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	1420	1650	1	15.0	J3	10

⁴Cn

⁵Sr

L1695789-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695789-01 01/22/24 16:33 • (DUP) R4025973-4 01/22/24 16:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	2020	2310	1	13.2	J3	10

⁶Qc

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R4025973-2 01/22/24 16:33

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8470	96.3	85.0-115	

⁹Sc

Method Blank (MB)

(MB) R4023917-2 01/18/24 09:35

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

L1695638-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695638-01 01/18/24 09:52 • (DUP) R4023917-3 01/18/24 09:57

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	2660	2600	1	2.15		20
Alkalinity,Bicarbonate	2660	2600	1	2.15		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1695725-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695725-01 01/18/24 11:08 • (DUP) R4023917-4 01/18/24 11:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Alkalinity	499	498	1	0.114		20
Alkalinity,Bicarbonate	499	498	1	0.114		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) R4023917-1 01/18/24 09:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	97.7	97.7	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4024669-2 01/21/24 05:09

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

Sample Narrative:

BLANK: Endpoint pH 4.5

L1695940-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695940-01 01/21/24 05:37 • (DUP) R4024669-3 01/21/24 05:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	162	163	1	0.730		20
Alkalinity,Bicarbonate	162	163	1	0.730		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1695971-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-08 01/21/24 07:26 • (DUP) R4024669-4 01/21/24 07:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	211	213	1	0.652		20
Alkalinity,Bicarbonate	211	213	1	0.652		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) R4024669-1 01/21/24 04:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	102	102	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023888-1 01/18/24 08:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Alkalinity	4.28		2.71	20.0
Alkalinity,Bicarbonate	4.28		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1696056-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696056-01 01/18/24 09:07 • (DUP) R4023888-3 01/18/24 09:09

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

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1695993-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1695993-08 01/18/24 10:24 • (DUP) R4023888-4 01/18/24 10:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Alkalinity	217	218	1	0.319		20
Alkalinity,Bicarbonate	217	218	1	0.319		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) R4023888-2 01/18/24 09:01

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

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022725-1 01/13/24 10:11

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1695971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-01 01/13/24 10:35 • (DUP) R4022725-3 01/13/24 10:36

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

L1695971-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-03 01/13/24 10:42 • (DUP) R4022725-6 01/13/24 10:44

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

Laboratory Control Sample (LCS)

(LCS) R4022725-2 01/13/24 10:12

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

L1695971-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-02 01/13/24 10:38 • (MS) R4022725-4 01/13/24 10:39 • (MSD) R4022725-5 01/13/24 10:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	ND	5.13	4.97	103	99.4	1	90.0-110			3.19	10

L1695971-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1695971-04 01/13/24 10:45 • (MS) R4022725-7 01/13/24 10:47

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	0.101	5.29	106	1	90.0-110	

Method Blank (MB)

(MB) R4024311-1 01/19/24 12:50

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1695351-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695351-01 01/19/24 13:00 • (DUP) R4024311-3 01/19/24 13:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.560	0.560	1	0.000		10

L1696641-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696641-01 01/19/24 13:13 • (DUP) R4024311-6 01/19/24 13:15

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

Laboratory Control Sample (LCS)

(LCS) R4024311-2 01/19/24 12:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.49	99.9	90.0-110	

L1695351-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695351-01 01/19/24 13:00 • (MS) R4024311-4 01/19/24 13:03 • (MSD) R4024311-5 01/19/24 13:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.560	5.65	5.78	102	104	1	90.0-110			2.22	10

L1696641-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696641-01 01/19/24 13:13 • (MS) R4024311-7 01/19/24 13:16

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.27	105	1	90.0-110	

Method Blank (MB)

(MB) R4024635-1 01/20/24 21:39

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

L1695971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-01 01/20/24 21:41 • (DUP) R4024635-3 01/20/24 21:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	1.81	1.81	1	0.000		20

L1695971-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-12 01/20/24 22:02 • (DUP) R4024635-5 01/20/24 22:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	1.77	1.84	1	3.88		20

Laboratory Control Sample (LCS)

(LCS) R4024635-2 01/20/24 21:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.51	100	90.0-110	

L1695971-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1695971-01 01/20/24 21:41 • (MS) R4024635-4 01/20/24 21:44

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	1.81	4.37	102	1	90.0-110	

L1695971-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-12 01/20/24 22:02 • (MS) R4024635-6 01/20/24 22:04 • (MSD) R4024635-7 01/20/24 22:06

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	1.77	4.26	4.27	99.6	100	1	90.0-110			0.234	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4022784-1 01/13/24 14:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

L1695971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-01 01/13/24 14:29 • (DUP) R4022784-3 01/13/24 14:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

L1695971-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-10 01/13/24 14:32 • (DUP) R4022784-4 01/13/24 14:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4022784-2 01/13/24 14:27

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.529	106	85.0-115	

L1696063-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696063-01 01/13/24 14:34 • (MS) R4022784-5 01/13/24 14:34 • (MSD) R4022784-6 01/13/24 14:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	0.500	ND	ND	ND	95.2	92.8	1	80.0-120			2.34	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023490-1 01/17/24 11:19

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

¹Cp

²Tc

³Ss

L1695971-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-12 01/17/24 11:20 • (DUP) R4023490-3 01/17/24 11:20

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

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R4023490-2 01/17/24 11:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Sulfide	0.500	0.550	110	85.0-115	

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4022961-1 01/14/24 20:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1695737-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1695737-02 01/14/24 20:14 • (DUP) R4022961-5 01/14/24 20:18

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1695971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-01 01/14/24 20:38 • (DUP) R4022961-6 01/14/24 20:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4022961-2 01/14/24 20:02

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0914	91.4	87.1-120	

L1695603-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695603-03 01/14/24 20:09 • (MS) R4022961-3 01/14/24 20:11 • (MSD) R4022961-4 01/14/24 20:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0753	0.0620	75.3	62.0	1	90.0-110	J6	J6	19.4	20

Method Blank (MB)

(MB) R4023354-1 01/16/24 15:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1695993-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1695993-05 01/16/24 15:48 • (DUP) R4023354-5 01/16/24 15:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1696282-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1696282-02 01/16/24 16:06 • (DUP) R4023354-6 01/16/24 16:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4023354-2 01/16/24 15:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0960	96.0	87.1-120	

L1695971-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-06 01/16/24 15:32 • (MS) R4023354-3 01/16/24 15:33 • (MSD) R4023354-4 01/16/24 15:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0947	0.0877	94.7	87.7	1	90.0-110	J6		7.68	20

Method Blank (MB)

(MB) R4024431-1 01/19/24 17:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1695971-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-12 01/19/24 17:49 • (DUP) R4024431-3 01/19/24 17:50

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1696282-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1696282-05 01/19/24 17:52 • (DUP) R4024431-4 01/19/24 17:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4024431-2 01/19/24 17:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0933	93.3	87.1-120	

L1696317-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696317-02 01/19/24 18:02 • (MS) R4024431-5 01/19/24 18:03 • (MSD) R4024431-6 01/19/24 18:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0795	0.0875	79.5	87.5	1	90.0-110	J6	J6	9.58	20

Sample Narrative:

MS: spike failed due to sample matrix

MSD: spike failed due to sample matrix

Method Blank (MB)

(MB) R4023705-1 01/12/24 21:10

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	0.391	↓	0.0519	1.00
Sulfate	0.436		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1695971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-01 01/12/24 22:53 • (DUP) R4023705-3 01/12/24 23:06

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	19.8	19.8	1	0.222		15
Sulfate	ND	ND	1	0.518		15

L1695971-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-11 01/13/24 02:04 • (DUP) R4023705-6 01/13/24 02:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	7.08	7.04	1	0.598		15
Sulfate	ND	ND	1	0.0405		15

Laboratory Control Sample (LCS)

(LCS) R4023705-2 01/12/24 21:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	39.7	99.2	80.0-120	
Sulfate	40.0	37.8	94.4	80.0-120	

L1695971-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-01 01/12/24 22:53 • (MS) R4023705-4 01/12/24 23:18 • (MSD) R4023705-5 01/12/24 23:31

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	19.8	56.8	57.0	92.6	92.9	1	80.0-120			0.240	15
Sulfate	40.0	ND	39.4	39.5	91.7	91.9	1	80.0-120			0.165	15

L1695971-11 Original Sample (OS) • Matrix Spike (MS)

(OS) L1695971-11 01/13/24 02:04 • (MS) R4023705-7 01/13/24 02:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	7.08	45.1	95.0	1	80.0-120	
Sulfate	40.0	ND	39.6	88.5	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023860-1 01/16/24 19:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	0.134		0.0519	1.00
Sulfate	0.364		0.0774	5.00

L1695971-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-12 01/16/24 20:59 • (DUP) R4023860-3 01/16/24 21:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	5.43	5.37	1	1.13		15
Sulfate	ND	ND	1	0.726		15

L1696394-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696394-01 01/16/24 22:03 • (DUP) R4023860-6 01/16/24 22:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	135	138	1	2.23		15
Sulfate	7.31	7.47	1	2.07		15

Laboratory Control Sample (LCS)

(LCS) R4023860-2 01/16/24 19:59

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	39.9	99.7	80.0-120	
Sulfate	40.0	38.1	95.2	80.0-120	

L1695971-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-12 01/16/24 20:59 • (MS) R4023860-4 01/16/24 21:25 • (MSD) R4023860-5 01/16/24 21:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	5.43	43.2	44.8	94.4	98.5	1	80.0-120			3.79	15
Sulfate	40.0	ND	39.0	39.9	90.3	92.7	1	80.0-120			2.36	15

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1696394-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1696394-01 01/16/24 22:03 • (MS) R4023860-7 01/16/24 22:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	135	144	23.2	1	80.0-120	J6
Sulfate	40.0	7.31	44.6	93.1	1	80.0-120	

Sample Narrative:

MS: Cl spike failed due to sample matrix

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023187-2 01/14/24 15:45

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

L1695971-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-01 01/14/24 16:02 • (DUP) R4023187-3 01/14/24 16:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	34.0	P1	20

L1695971-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1695971-10 01/14/24 20:30 • (DUP) R4023187-6 01/14/24 20:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	0.852		20

Laboratory Control Sample (LCS)

(LCS) R4023187-1 01/14/24 15:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	24.4	97.8	85.0-115	

L1695971-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-06 01/14/24 17:54 • (MS) R4023187-4 01/14/24 18:16 • (MSD) R4023187-5 01/14/24 18:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	25.9	25.7	103	102	1	85.0-115			0.737	20

L1696200-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696200-02 01/14/24 22:00 • (MS) R4023187-7 01/14/24 23:02 • (MSD) R4023187-8 01/14/24 23:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	11.3	36.4	37.0	101	103	1	85.0-115			1.53	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023787-2 01/17/24 11:14

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

1 Cp

2 Tc

3 Ss

L1696178-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1696178-01 01/17/24 12:45 • (DUP) R4023787-5 01/17/24 13:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	51.2	51.5	2	0.487		20

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R4023787-1 01/17/24 10:57

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	25.3	101	85.0-115	

7 Gl

8 Al

9 Sc

L1695971-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-12 01/17/24 11:41 • (MS) R4023787-3 01/17/24 12:03 • (MSD) R4023787-4 01/17/24 12:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	26.7	26.4	105	104	1	85.0-115			1.02	20

Method Blank (MB)

(MB) R4023721-1 01/17/24 17:51

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

Laboratory Control Sample (LCS)

(LCS) R4023721-2 01/17/24 17:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00296	98.8	80.0-120	

L1695971-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-04 01/17/24 17:56 • (MS) R4023721-3 01/17/24 17:59 • (MSD) R4023721-4 01/17/24 18:01

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 %
Mercury, Total Recoverable	0.00300	ND	0.00248	0.00247	82.8	82.4	1	75.0-125			0.422	20

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

Method Blank (MB)

(MB) R4023739-1 01/17/24 20:10

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4023739-2 01/17/24 20:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00342	114	80.0-120	

4 Cn

5 Sr

L1696236-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696236-01 01/17/24 20:22 • (MS) R4023739-3 01/17/24 20:24 • (MSD) R4023739-4 01/17/24 20:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00295	0.00299	98.2	99.6	1	75.0-125			1.45	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023980-1 01/18/24 12:13

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

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4023980-2 01/18/24 12:15

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00293	97.6	80.0-120	

4 Cn

5 Sr

L1695971-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-12 01/18/24 12:17 • (MS) R4023980-3 01/18/24 12:20 • (MSD) R4023980-4 01/18/24 12:22

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00296	0.00290	98.7	96.5	1	75.0-125			2.19	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024015-1 01/18/24 13:18

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	0.00182	⌋	0.00170	0.00500
Calcium, Total Recoverable	0.0927	⌋	0.0463	1.00
Iron, Total Recoverable	0.0561	⌋	0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	0.00135	⌋	0.00120	0.0100
Sodium, Total Recoverable	0.127		0.0111	1.00
Lead, Total Recoverable	0.00202		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

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

Laboratory Control Sample (LCS)

(LCS) R4024015-2 01/18/24 13:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.182	90.9	80.0-120	
Barium, Total Recoverable	1.00	0.970	97.0	80.0-120	
Calcium, Total Recoverable	10.0	9.66	96.6	80.0-120	
Iron, Total Recoverable	10.0	10.0	100	80.0-120	
Potassium, Total Recoverable	10.0	9.76	97.6	80.0-120	
Magnesium, Total Recoverable	10.0	9.50	95.0	80.0-120	
Manganese, Total Recoverable	1.00	0.982	98.2	80.0-120	
Sodium, Total Recoverable	10.0	9.89	98.9	80.0-120	
Lead, Total Recoverable	1.00	0.950	95.0	80.0-120	
Selenium, Total Recoverable	1.00	1.02	102	80.0-120	
Tin, Total Recoverable	1.00	0.976	97.6	80.0-120	

L1695871-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695871-01 01/18/24 13:24 • (MS) R4024015-4 01/18/24 13:30 • (MSD) R4024015-5 01/18/24 13:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.197	0.193	98.4	96.4	1	75.0-125			2.01	20
Barium, Total Recoverable	1.00	0.0658	1.03	1.03	96.3	96.7	1	75.0-125			0.408	20
Calcium, Total Recoverable	10.0	263	270	268	66.1	48.7	1	75.0-125	⌋	⌋	0.646	20
Iron, Total Recoverable	10.0	0.225	10.6	10.4	104	102	1	75.0-125			1.90	20
Potassium, Total Recoverable	10.0	3.71	13.9	13.7	102	100	1	75.0-125			1.26	20

L1695871-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695871-01 01/18/24 13:24 • (MS) R4024015-4 01/18/24 13:30 • (MSD) R4024015-5 01/18/24 13:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Magnesium, Total Recoverable	10.0	43.9	53.3	52.9	94.6	90.0	1	75.0-125			0.872	20
Manganese, Total Recoverable	1.00	0.402	1.40	1.37	99.9	97.1	1	75.0-125			2.05	20
Sodium, Total Recoverable	10.0	168	177	175	96.9	76.4	1	75.0-125			1.16	20
Lead, Total Recoverable	1.00	ND	0.973	0.977	97.3	97.7	1	75.0-125			0.493	20
Selenium, Total Recoverable	1.00	ND	1.11	1.11	111	111	1	75.0-125			0.563	20
Tin, Total Recoverable	1.00	ND	0.970	0.973	97.0	97.3	1	75.0-125			0.224	20

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

Method Blank (MB)

(MB) R4023895-1 01/17/24 19:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Silver, Total Recoverable	ND	U	0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	0.0367	U	0.0141	0.100
Potassium, Total Recoverable	0.114		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.0704		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4023895-2 01/17/24 19:53

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Silver, Total Recoverable	0.200	0.173	86.6	80.0-120	
Barium, Total Recoverable	1.00	0.994	99.4	80.0-120	
Calcium, Total Recoverable	10.0	10.1	101	80.0-120	
Iron, Total Recoverable	10.0	9.94	99.4	80.0-120	
Potassium, Total Recoverable	10.0	9.71	97.1	80.0-120	
Magnesium, Total Recoverable	10.0	9.93	99.3	80.0-120	
Manganese, Total Recoverable	1.00	0.972	97.2	80.0-120	
Sodium, Total Recoverable	10.0	10.2	102	80.0-120	
Lead, Total Recoverable	1.00	0.970	97.0	80.0-120	
Selenium, Total Recoverable	1.00	0.933	93.3	80.0-120	
Tin, Total Recoverable	1.00	0.981	98.1	80.0-120	

L1695971-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-11 01/17/24 19:56 • (MS) R4023895-4 01/17/24 20:02 • (MSD) R4023895-5 01/17/24 20:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Silver, Total Recoverable	0.200	ND	0.179	0.181	89.5	90.5	1	75.0-125			1.13	20
Barium, Total Recoverable	1.00	0.0509	1.05	1.06	99.7	101	1	75.0-125			1.04	20
Calcium, Total Recoverable	10.0	117	128	128	107	109	1	75.0-125			0.134	20
Iron, Total Recoverable	10.0	ND	10.1	10.1	101	101	1	75.0-125			0.582	20
Potassium, Total Recoverable	10.0	ND	11.1	11.1	102	102	1	75.0-125			0.688	20

L1695971-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-11 01/17/24 19:56 • (MS) R4023895-4 01/17/24 20:02 • (MSD) R4023895-5 01/17/24 20:04

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 %
Magnesium, Total Recoverable	10.0	2.80	12.7	12.8	99.3	100	1	75.0-125			0.608	20
Manganese, Total Recoverable	1.00	0.00409	0.977	0.990	97.3	98.6	1	75.0-125			1.36	20
Sodium, Total Recoverable	10.0	7.35	17.7	17.9	104	105	1	75.0-125			0.668	20
Lead, Total Recoverable	1.00	ND	0.978	0.990	97.8	99.0	1	75.0-125			1.20	20
Selenium, Total Recoverable	1.00	ND	0.962	0.970	96.2	97.0	1	75.0-125			0.800	20
Tin, Total Recoverable	1.00	ND	0.988	1.00	98.8	100	1	75.0-125			1.43	20

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

Method Blank (MB)

(MB) R4024159-1 01/18/24 22:16

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Silver, Total Recoverable	ND	⌵	0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	ND		0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.122		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4024159-2 01/18/24 22:19

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Silver, Total Recoverable	0.200	0.182	91.1	80.0-120	
Barium, Total Recoverable	1.00	0.979	97.9	80.0-120	
Calcium, Total Recoverable	10.0	9.71	97.1	80.0-120	
Iron, Total Recoverable	10.0	10.2	102	80.0-120	
Potassium, Total Recoverable	10.0	9.87	98.7	80.0-120	
Magnesium, Total Recoverable	10.0	9.49	94.9	80.0-120	
Manganese, Total Recoverable	1.00	0.986	98.6	80.0-120	
Sodium, Total Recoverable	10.0	10.1	101	80.0-120	
Lead, Total Recoverable	1.00	0.957	95.7	80.0-120	
Selenium, Total Recoverable	1.00	1.03	103	80.0-120	
Tin, Total Recoverable	1.00	0.995	99.5	80.0-120	

L1695971-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-12 01/18/24 22:22 • (MS) R4024159-4 01/18/24 22:27 • (MSD) R4024159-5 01/18/24 22:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Silver, Total Recoverable	0.200	ND	0.185	0.184	92.7	91.9	1	75.0-125			0.846	20
Barium, Total Recoverable	1.00	0.0442	1.01	0.986	96.1	94.2	1	75.0-125			1.96	20
Calcium, Total Recoverable	10.0	114	123	122	83.1	75.2	1	75.0-125			0.640	20
Iron, Total Recoverable	10.0	ND	10.3	10.0	103	100	1	75.0-125			2.51	20
Potassium, Total Recoverable	10.0	ND	11.8	11.6	100	97.6	1	75.0-125			2.10	20

L1695971-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695971-12 01/18/24 22:22 • (MS) R4024159-4 01/18/24 22:27 • (MSD) R4024159-5 01/18/24 22:30

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Magnesium, Total Recoverable	10.0	1.43	10.9	10.6	95.2	92.1	1	75.0-125			2.82	20
Manganese, Total Recoverable	1.00	ND	0.987	0.967	98.7	96.7	1	75.0-125			2.01	20
Sodium, Total Recoverable	10.0	5.55	15.5	15.2	99.4	96.9	1	75.0-125			1.67	20
Lead, Total Recoverable	1.00	ND	0.959	0.937	95.9	93.7	1	75.0-125			2.33	20
Selenium, Total Recoverable	1.00	ND	1.06	1.04	106	104	1	75.0-125			1.41	20
Tin, Total Recoverable	1.00	ND	0.976	0.964	97.6	96.4	1	75.0-125			1.17	20

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

Method Blank (MB)

(MB) R4027848-1 01/30/24 12:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Manganese,Total Recoverable	ND		0.00120	0.0100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4027848-2 01/30/24 12:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Manganese,Total Recoverable	1.00	0.978	97.8	80.0-120	

4 Cn

5 Sr

L1699800-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699800-01 01/30/24 12:25 • (MS) R4027848-4 01/30/24 12:28 • (MSD) R4027848-5 01/30/24 12:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Manganese,Total Recoverable	1.00	0.0210	1.00	1.01	98.4	98.8	1	75.0-125			0.462	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4024907-1 01/22/24 10:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chromium, Total Recoverable	0.00299		0.00270	0.0100

Method Blank (MB)

(MB) R4025629-1 01/23/24 20:41

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
Copper, Total Recoverable	0.000984		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.00149	J	0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500

Laboratory Control Sample (LCS)

(LCS) R4024907-8 01/22/24 12:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chromium, Total Recoverable	0.0500	0.0515	103	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R4025629-6 01/23/24 21:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0536	107	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0569	114	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0562	112	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0564	113	80.0-120	
Copper, Total Recoverable	0.0500	0.0512	102	80.0-120	
Nickel, Total Recoverable	0.0500	0.0560	112	80.0-120	
Antimony, Total Recoverable	0.0500	0.0578	116	80.0-120	
Thallium, Total Recoverable	0.0500	0.0541	108	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0547	109	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4024907-3 01/22/24 11:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chromium, Total Recoverable	0.0500	0.0514	103	80.0-120	

L1695993-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695993-02 01/22/24 10:49 • (MS) R4024907-5 01/22/24 10:56 • (MSD) R4024907-6 01/22/24 10:59

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chromium, Total Recoverable	0.0500	ND	0.0533	0.0549	107	110	1	75.0-125			3.06	20

L1695993-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695993-02 01/23/24 20:48 • (MS) R4025629-4 01/23/24 20:55 • (MSD) R4025629-5 01/23/24 20:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	ND	0.0557	0.0571	111	113	1	75.0-125			2.40	20
Beryllium, Total Recoverable	0.0500	ND	0.0593	0.0597	119	119	1	75.0-125			0.713	20
Cadmium, Total Recoverable	0.0500	ND	0.0600	0.0593	120	119	1	75.0-125			1.20	20
Cobalt, Total Recoverable	0.0500	ND	0.0579	0.0588	115	117	1	75.0-125			1.69	20
Copper, Total Recoverable	0.0500	0.00529	0.0589	0.0579	107	105	1	75.0-125			1.74	20
Nickel, Total Recoverable	0.0500	ND	0.0566	0.0581	110	113	1	75.0-125			2.51	20
Antimony, Total Recoverable	0.0500	ND	0.0643	0.0626	129	125	1	75.0-125	<u>J5</u>		2.62	20
Thallium, Total Recoverable	0.0500	ND	0.0558	0.0559	112	112	1	75.0-125			0.187	20
Vanadium, Total Recoverable	0.0500	ND	0.0575	0.0589	112	115	1	75.0-125			2.47	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027054-1 01/28/24 18:17

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	0.000647		0.000540	0.00200
Copper, Total Recoverable	0.00141		0.000520	0.00500
Nickel, Total Recoverable	0.000353		0.000350	0.00200
Antimony, Total Recoverable	0.000826		0.000754	0.00200
Thallium, Total Recoverable	ND	↓	0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4027054-2 01/28/24 18:21

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0523	105	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0474	94.8	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0538	108	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0542	108	80.0-120	
Chromium, Total Recoverable	0.0500	0.0534	107	80.0-120	
Copper, Total Recoverable	0.0500	0.0537	107	80.0-120	
Nickel, Total Recoverable	0.0500	0.0552	110	80.0-120	
Antimony, Total Recoverable	0.0500	0.0574	115	80.0-120	
Thallium, Total Recoverable	0.0500	0.0529	106	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0539	108	80.0-120	
Zinc, Total Recoverable	0.0500	0.0539	108	80.0-120	

L1696247-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696247-08 01/28/24 18:24 • (MS) R4027054-4 01/28/24 18:31 • (MSD) R4027054-5 01/28/24 18:34

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 %
Arsenic, Total Recoverable	0.0500	ND	0.0528	0.0531	101	102	1	75.0-125			0.607	20
Beryllium, Total Recoverable	0.0500	ND	0.0482	0.0485	96.3	97.0	1	75.0-125			0.660	20
Cadmium, Total Recoverable	0.0500	ND	0.0548	0.0552	110	110	1	75.0-125			0.776	20
Cobalt, Total Recoverable	0.0500	ND	0.0522	0.0516	104	103	1	75.0-125			1.20	20
Chromium, Total Recoverable	0.0500	ND	0.0517	0.0511	103	102	1	75.0-125			1.07	20

L1696247-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1696247-08 01/28/24 18:24 • (MS) R4027054-4 01/28/24 18:31 • (MSD) R4027054-5 01/28/24 18:34

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 %
Copper, Total Recoverable	0.0500	ND	0.0524	0.0522	101	101	1	75.0-125			0.498	20
Nickel, Total Recoverable	0.0500	ND	0.0527	0.0522	103	102	1	75.0-125			1.02	20
Antimony, Total Recoverable	0.0500	ND	0.0570	0.0575	114	115	1	75.0-125			0.920	20
Thallium, Total Recoverable	0.0500	ND	0.0526	0.0531	105	106	1	75.0-125			0.986	20
Vanadium, Total Recoverable	0.0500	ND	0.0532	0.0519	105	102	1	75.0-125			2.62	20
Zinc, Total Recoverable	0.0500	ND	0.0519	0.0518	104	104	1	75.0-125			0.153	20

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

Method Blank (MB)

(MB) R4026292-1 01/25/24 13:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Zinc, Total Recoverable	ND		0.00256	0.0250

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4026292-2 01/25/24 13:17

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Zinc, Total Recoverable	0.0500	0.0524	105	80.0-120	

4 Cn

5 Sr

6 Qc

L1695993-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1695993-01 01/25/24 13:22 • (MS) R4026292-4 01/25/24 13:31 • (MSD) R4026292-5 01/25/24 13:35

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Zinc, Total Recoverable	0.0500	0.00655	0.0564	0.0547	99.8	96.3	1	75.0-125			3.17	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023311-3 01/15/24 11:15

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4023311-3 01/15/24 11:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	105			80.0-120
(S) 1,2-Dichloroethane-d4	99.7			70.0-130
(S) 4-Bromofluorobenzene	101			77.0-126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023311-1 01/15/24 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	4.75	95.0	75.0-125	
1,1,1-Trichloroethane	5.00	5.31	106	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	5.78	116	65.0-130	
1,1,2-Trichloroethane	5.00	5.33	107	80.0-120	
1,1-Dichloroethane	5.00	5.89	118	70.0-126	
1,1-Dichloroethene	5.00	5.32	106	71.0-124	
1,1-Dichloropropene	5.00	5.87	117	74.0-126	
1,2,3-Trichloropropane	5.00	5.34	107	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	4.13	82.6	58.0-134	

Laboratory Control Sample (LCS)

(LCS) R4023311-1 01/15/24 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,2-Dibromoethane	5.00	4.87	97.4	80.0-122	
1,2-Dichlorobenzene	5.00	5.20	104	79.0-121	
1,2-Dichloroethane	5.00	5.95	119	70.0-128	
1,2-Dichloropropane	5.00	5.79	116	77.0-125	
1,3-Dichlorobenzene	5.00	5.07	101	79.0-120	
1,3-Dichloropropane	5.00	5.30	106	80.0-120	
1,4-Dichlorobenzene	5.00	5.13	103	79.0-120	
2,2-Dichloropropane	5.00	5.47	109	58.0-130	
2-Butanone (MEK)	25.0	27.7	111	44.0-160	
2-Hexanone	25.0	24.3	97.2	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	28.9	116	68.0-142	
Acetone	25.0	28.9	116	19.0-160	
Acrolein	25.0	108	432	10.0-160	J4
Acrylonitrile	25.0	29.9	120	55.0-149	
Allyl chloride	25.0	29.0	116	72.0-128	
Benzene	5.00	5.77	115	70.0-123	
Bromochloromethane	5.00	5.69	114	76.0-122	
Bromodichloromethane	5.00	5.46	109	75.0-120	
Bromoform	5.00	4.27	85.4	68.0-132	
Bromomethane	5.00	3.69	73.8	10.0-160	
Carbon disulfide	5.00	5.21	104	61.0-128	
Carbon tetrachloride	5.00	5.29	106	68.0-126	
Chlorobenzene	5.00	4.99	99.8	80.0-121	
Chloroethane	5.00	5.37	107	47.0-150	
Chloroform	5.00	5.74	115	73.0-120	
Chloromethane	5.00	6.06	121	41.0-142	
Dibromochloromethane	5.00	4.60	92.0	77.0-125	
Dibromomethane	5.00	5.45	109	80.0-120	
Dichlorodifluoromethane	5.00	5.06	101	51.0-149	
Ethylbenzene	5.00	4.97	99.4	79.0-123	
Iodomethane	25.0	26.2	105	33.0-147	
Methylene Chloride	5.00	5.72	114	67.0-120	
Styrene	5.00	4.75	95.0	73.0-130	
Tetrachloroethene	5.00	4.73	94.6	72.0-132	
Toluene	5.00	5.09	102	79.0-120	
Trichloroethene	5.00	5.05	101	78.0-124	
Trichlorofluoromethane	5.00	4.78	95.6	59.0-147	
Vinyl acetate	25.0	49.8	199	11.0-160	J4
Vinyl chloride	5.00	5.54	111	67.0-131	
Xylenes, Total	15.0	14.5	96.7	79.0-123	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023311-1 01/15/24 09:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
cis-1,2-Dichloroethene	5.00	5.46	109	73.0-120	
cis-1,3-Dichloropropene	5.00	5.62	112	80.0-123	
trans-1,2-Dichloroethene	5.00	5.40	108	73.0-120	
trans-1,3-Dichloropropene	5.00	5.12	102	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.99	99.8	33.0-144	
(S) Toluene-d8			99.0	80.0-120	
(S) 1,2-Dichloroethane-d4			102	70.0-130	
(S) 4-Bromofluorobenzene			97.8	77.0-126	

Laboratory Control Sample (LCS)

(LCS) R4023311-2 01/15/24 10:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	548	110	40.0-160	
Chloroprene	50.0	58.0	116	60.0-143	
Ethyl methacrylate	50.0	54.2	108	72.0-129	
Isobutanol	1000	1120	112	40.0-160	
Methacrylonitrile	500	517	103	61.0-145	
Methyl methacrylate	50.0	56.0	112	63.0-149	
Propionitrile	500	541	108	49.0-160	
(S) Toluene-d8			99.6	80.0-120	
(S) 1,2-Dichloroethane-d4			99.8	70.0-130	
(S) 4-Bromofluorobenzene			101	77.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023978-4 01/17/24 22:57

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023978-4 01/17/24 22:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	118			80.0-120
(S) 1,2-Dichloroethane-d4	111			70.0-130
(S) 4-Bromofluorobenzene	104			77.0-126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023978-5 01/17/24 23:19

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		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50

Method Blank (MB)

(MB) R4023978-5 01/17/24 23:19

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-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	0.160	IL	0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	0.113	IL	0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4023978-5 01/17/24 23:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	117			80.0-120
(S) 1,2-Dichloroethane-d4	111			70.0-130
(S) 4-Bromofluorobenzene	102			77.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4023978-1 01/17/24 21:31 • (LCSD) R4023978-2 01/17/24 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.86	5.04	97.2	101	75.0-125			3.64	20
1,1,1-Trichloroethane	5.00	4.95	5.15	99.0	103	73.0-124			3.96	20
1,1,2,2-Tetrachloroethane	5.00	4.39	4.43	87.8	88.6	65.0-130			0.907	20
1,1,2-Trichloroethane	5.00	5.18	5.13	104	103	80.0-120			0.970	20
1,1-Dichloroethane	5.00	4.63	4.45	92.6	89.0	70.0-126			3.96	20
1,1-Dichloroethene	5.00	4.69	4.32	93.8	86.4	71.0-124			8.21	20
1,1-Dichloropropene	5.00	5.33	5.09	107	102	74.0-126			4.61	20
1,2,3-Trichloropropane	5.00	4.82	4.83	96.4	96.6	73.0-130			0.207	20
1,2-Dibromo-3-Chloropropane	5.00	3.78	3.83	75.6	76.6	58.0-134			1.31	20
1,2-Dibromoethane	5.00	4.86	4.74	97.2	94.8	80.0-122			2.50	20
1,2-Dichlorobenzene	5.00	5.03	5.13	101	103	79.0-121			1.97	20
1,2-Dichloroethane	5.00	4.98	4.76	99.6	95.2	70.0-128			4.52	20
1,2-Dichloropropane	5.00	4.73	4.57	94.6	91.4	77.0-125			3.44	20
1,3-Dichlorobenzene	5.00	5.04	4.95	101	99.0	79.0-120			1.80	20
1,3-Dichloropropane	5.00	5.37	5.24	107	105	80.0-120			2.45	20
1,4-Dichlorobenzene	5.00	5.15	5.12	103	102	79.0-120			0.584	20
2,2-Dichloropropane	5.00	4.30	3.89	86.0	77.8	58.0-130			10.0	20
2-Butanone (MEK)	25.0	18.3	17.7	73.2	70.8	44.0-160			3.33	20

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

(LCS) R4023978-1 01/17/24 21:31 • (LCSD) R4023978-2 01/17/24 21:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Hexanone	25.0	19.3	20.1	77.2	80.4	67.0-149			4.06	20
4-Methyl-2-pentanone (MIBK)	25.0	23.4	23.6	93.6	94.4	68.0-142			0.851	20
Acetone	25.0	15.9	15.2	63.6	60.8	19.0-160			4.50	27
Acrolein	25.0	20.0	18.1	80.0	72.4	10.0-160			9.97	26
Acrylonitrile	25.0	22.4	21.4	89.6	85.6	55.0-149			4.57	20
Allyl chloride	25.0	20.8	21.3	83.2	85.2	72.0-128			2.38	23
Benzene	5.00	4.99	4.91	99.8	98.2	70.0-123			1.62	20
Bromochloromethane	5.00	5.25	4.99	105	99.8	76.0-122			5.08	20
Bromodichloromethane	5.00	4.84	4.86	96.8	97.2	75.0-120			0.412	20
Bromoform	5.00	3.71	3.55	74.2	71.0	68.0-132			4.41	20
Bromomethane	5.00	10.0	8.55	200	171	10.0-160	J4	J4	15.6	25
Carbon disulfide	5.00	4.09	3.64	81.8	72.8	61.0-128			11.6	20
Carbon tetrachloride	5.00	5.18	5.12	104	102	68.0-126			1.17	20
Chlorobenzene	5.00	5.32	5.22	106	104	80.0-121			1.90	20
Chloroethane	5.00	5.76	5.21	115	104	47.0-150			10.0	20
Chloroform	5.00	5.35	5.09	107	102	73.0-120			4.98	20
Chloromethane	5.00	3.61	3.39	72.2	67.8	41.0-142			6.29	20
Dibromochloromethane	5.00	4.71	4.52	94.2	90.4	77.0-125			4.12	20
Dibromomethane	5.00	5.02	4.91	100	98.2	80.0-120			2.22	20
Dichlorodifluoromethane	5.00	5.77	4.45	115	89.0	51.0-149		J3	25.8	20
Ethylbenzene	5.00	5.34	5.27	107	105	79.0-123			1.32	20
Iodomethane	25.0	23.3	24.1	93.2	96.4	33.0-147			3.38	26
Methylene Chloride	5.00	4.62	4.48	92.4	89.6	67.0-120			3.08	20
Styrene	5.00	4.82	4.93	96.4	98.6	73.0-130			2.26	20
Tetrachloroethene	5.00	5.19	5.17	104	103	72.0-132			0.386	20
Toluene	5.00	5.31	5.27	106	105	79.0-120			0.756	20
Trichloroethene	5.00	5.52	5.48	110	110	78.0-124			0.727	20
Trichlorofluoromethane	5.00	5.73	5.05	115	101	59.0-147			12.6	20
Vinyl acetate	25.0	18.9	15.2	75.6	60.8	11.0-160		J3	21.7	20
Vinyl chloride	5.00	5.75	5.00	115	100	67.0-131			14.0	20
Xylenes, Total	15.0	15.2	15.5	101	103	79.0-123			1.95	20
cis-1,2-Dichloroethene	5.00	4.80	4.80	96.0	96.0	73.0-120			0.000	20
cis-1,3-Dichloropropene	5.00	4.43	4.24	88.6	84.8	80.0-123			4.38	20
trans-1,2-Dichloroethene	5.00	4.77	4.58	95.4	91.6	73.0-120			4.06	20
trans-1,3-Dichloropropene	5.00	4.23	4.29	84.6	85.8	78.0-124			1.41	20
trans-1,4-Dichloro-2-butene	5.00	3.40	2.95	68.0	59.0	33.0-144			14.2	20
(S) Toluene-d8				113	113	80.0-120				
(S) 1,2-Dichloroethane-d4				111	109	70.0-130				
(S) 4-Bromofluorobenzene				103	102	77.0-126				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4023978-3 01/17/24 22:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	510	102	40.0-160	
Chloroprene	50.0	40.6	81.2	60.0-143	
Ethyl methacrylate	50.0	53.6	107	72.0-129	
Isobutanol	1000	1000	100	40.0-160	
Methacrylonitrile	500	593	119	61.0-145	
Methyl methacrylate	50.0	49.6	99.2	63.0-149	
Propionitrile	500	478	95.6	49.0-160	
<i>(S) Toluene-d8</i>			118	80.0-120	
<i>(S) 1,2-Dichloroethane-d4</i>			109	70.0-130	
<i>(S) 4-Bromofluorobenzene</i>			103	77.0-126	

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4023684-1 01/16/24 20:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	65.6			14.0-158

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

(LCS) R4023684-2 01/16/24 21:09 • (LCSD) R4023684-3 01/16/24 21:20

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	3.73	3.24	74.6	64.8	54.0-120	P		14.1	20
2,4,5-Tp (Silvex)	5.00	3.45	4.05	69.0	81.0	50.0-125	P		16.0	20
2,4-D	5.00	4.22	3.73	84.4	74.6	50.0-120	P	P	12.3	20
(S) 2,4-Dichlorophenyl Acetic Acid				76.8	69.4	14.0-158				

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

Method Blank (MB)

(MB) R4024208-1 01/19/24 00:45

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	98.0			14.0-158

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

(LCS) R4024208-2 01/19/24 00:55 • (LCSD) R4024208-3 01/19/24 01:05

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	4.99	5.72	99.8	114	54.0-120			13.6	20
2,4,5-Tp (Silvex)	5.00	5.01	5.67	100	113	50.0-125	E	E	12.4	20
2,4-D	5.00	4.98	5.69	99.6	114	50.0-120			13.3	20
(S) 2,4-Dichlorophenyl Acetic Acid				82.0	90.8	14.0-158				

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

Method Blank (MB)

(MB) R4023478-1 01/17/24 00:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	86.1			10.0-128
(S) Tetrachloro-m-xylene	75.5			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4023478-4 01/17/24 00:25 • (LCSD) R4023478-5 01/17/24 00:35

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 %
4,4-DDD	1.00	0.963	0.948	96.3	94.8	56.0-140			1.57	22
4,4-DDE	1.00	0.949	0.902	94.9	90.2	52.0-128			5.08	22
4,4-DDT	1.00	0.923	0.908	92.3	90.8	50.0-141			1.64	23
Aldrin	1.00	0.845	0.816	84.5	81.6	22.0-124			3.49	34
Alpha BHC	1.00	0.924	0.937	92.4	93.7	54.0-130			1.40	23
Beta BHC	1.00	0.895	0.893	89.5	89.3	53.0-136			0.224	20
Delta BHC	1.00	0.913	0.903	91.3	90.3	54.0-133			1.10	20
Dieldrin	1.00	0.928	0.918	92.8	91.8	59.0-133			1.08	20
Endosulfan I	1.00	0.972	0.955	97.2	95.5	57.0-131			1.76	20
Endosulfan II	1.00	0.916	0.925	91.6	92.5	58.0-133			0.978	20
Endosulfan sulfate	1.00	0.911	0.934	91.1	93.4	58.0-133			2.49	21
Endrin	1.00	0.914	0.925	91.4	92.5	57.0-134			1.20	21

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

(LCS) R4023478-4 01/17/24 00:25 • (LCSD) R4023478-5 01/17/24 00:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.893	0.847	89.3	84.7	53.0-129			5.29	20
Gamma BHC	1.00	0.941	0.947	94.1	94.7	55.0-129			0.636	20
Heptachlor	1.00	0.881	0.861	88.1	86.1	27.0-132			2.30	31
Heptachlor epoxide	1.00	0.919	0.900	91.9	90.0	57.0-130			2.09	20
Methoxychlor	1.00	0.946	0.989	94.6	98.9	54.0-155			4.44	24
<i>(S) Decachlorobiphenyl</i>				70.8	52.8	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				64.3	67.1	10.0-127				

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

Method Blank (MB)

(MB) R4023756-1 01/17/24 20:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	59.7			10.0-128
(S) Tetrachloro-m-xylene	71.4			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R4023756-4 01/17/24 21:03 • (LCSD) R4023756-5 01/17/24 21:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	0.924	0.958	92.4	95.8	56.0-140			3.61	22
4,4-DDE	1.00	0.891	0.928	89.1	92.8	52.0-128			4.07	22
4,4-DDT	1.00	0.883	0.919	88.3	91.9	50.0-141			4.00	23
Aldrin	1.00	0.878	0.922	87.8	92.2	22.0-124			4.89	34
Alpha BHC	1.00	0.950	0.964	95.0	96.4	54.0-130			1.46	23
Beta BHC	1.00	0.893	0.910	89.3	91.0	53.0-136			1.89	20
Delta BHC	1.00	0.904	0.926	90.4	92.6	54.0-133			2.40	20
Dieldrin	1.00	0.921	0.945	92.1	94.5	59.0-133			2.57	20
Endosulfan I	1.00	0.931	0.960	93.1	96.0	57.0-131			3.07	20
Endosulfan II	1.00	0.923	0.938	92.3	93.8	58.0-133			1.61	20
Endosulfan sulfate	1.00	0.874	0.908	87.4	90.8	58.0-133			3.82	21
Endrin	1.00	0.923	0.954	92.3	95.4	57.0-134			3.30	21

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

(LCS) R4023756-4 01/17/24 21:03 • (LCSD) R4023756-5 01/17/24 21:13

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.877	0.833	87.7	83.3	53.0-129			5.15	20
Gamma BHC	1.00	0.950	0.966	95.0	96.6	55.0-129			1.67	20
Heptachlor	1.00	0.899	0.934	89.9	93.4	27.0-132			3.82	31
Heptachlor epoxide	1.00	0.932	0.959	93.2	95.9	57.0-130			2.86	20
Methoxychlor	1.00	0.896	0.955	89.6	95.5	54.0-155			6.37	24
<i>(S) Decachlorobiphenyl</i>				63.0	56.9	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				69.5	71.6	10.0-127				

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

Method Blank (MB)

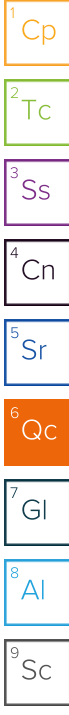
(MB) R4023478-1 01/17/24 00:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	94.2			10.0-128
(S) Tetrachloro-m-xylene	82.1			10.0-127

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

(LCS) R4023478-2 01/17/24 00:45 • (LCSD) R4023478-3 01/17/24 00:56

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.39	2.33	95.6	93.2	36.0-135			2.54	29
PCB 1260	2.50	2.37	2.13	94.8	85.2	42.0-131			10.7	25
(S) Decachlorobiphenyl				89.8	75.6	10.0-128				
(S) Tetrachloro-m-xylene				73.7	79.5	10.0-127				



Method Blank (MB)

(MB) R4023756-1 01/17/24 20:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	80.9			10.0-128
(S) Tetrachloro-m-xylene	86.1			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R4023756-2 01/17/24 21:23 • (LCSD) R4023756-3 01/17/24 21:33

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	2.04	2.16	81.6	86.4	36.0-135			5.71	29
PCB 1260	2.50	1.57	2.27	62.8	90.8	42.0-131		J3	36.5	25
(S) Decachlorobiphenyl				48.9	79.3	10.0-128				
(S) Tetrachloro-m-xylene				77.5	73.8	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026948-2 01/27/24 15:35

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026948-2 01/27/24 15:35

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

Method Blank (MB)

(MB) R4027136-3 01/26/24 21:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND		0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027136-3 01/26/24 21:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	0.310		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	6.80	J2		10.0-120
(S) 2,4,6-Tribromophenol	15.3			10.0-155

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027136-3 01/26/24 21:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
(S) p-Terphenyl-d14	90.0			10.0-128
(S) Phenol-d5	7.80	J2		10.0-120
(S) 2-Fluorobiphenyl	63.5			10.0-130
(S) Nitrobenzene-d5	45.0			10.0-127

Laboratory Control Sample (LCS)

(LCS) R4026948-1 01/27/24 15:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	42.7	85.4	37.0-147	
1,3-Dinitrobenzene	50.0	38.1	76.2	34.0-120	
1,4-Naphthoquinone	50.0	2.33	4.66	50.0-150	J4
1-Naphthylamine	50.0	26.2	52.4	19.0-120	
2,6-Dichlorophenol	50.0	30.7	61.4	19.0-136	
2-Acetylaminofluorene	50.0	62.9	126	32.0-120	J4
2-Naphthylamine	50.0	22.8	45.6	10.0-120	
3,3-Dimethylbenzidine	50.0	13.3	26.6	13.0-120	
3-Methylcholanthrene	50.0	43.9	87.8	30.0-160	
4-Aminobiphenyl	50.0	28.3	56.6	20.0-120	
5-Nitro-o-toluidine	50.0	44.1	88.2	34.0-120	
Chlorobenzilate	50.0	45.2	90.4	29.0-128	
Diallate	50.0	38.2	76.4	30.0-120	
Dimethoate	50.0	40.1	80.2	11.0-134	
Dimethylbenz (A) Anthracene	50.0	37.4	74.8	14.0-124	
Dinoseb	50.0	43.3	86.6	39.0-120	
Diphenylamine	50.0	36.9	73.8	35.0-120	
Disulfoton	50.0	43.6	87.2	32.0-120	
Ethyl methanesulfonate	50.0	23.0	46.0	10.0-120	
Ethyl parathion	50.0	52.8	106	46.0-130	
Famphur	50.0	53.4	107	32.0-120	
Hexachloropropene	50.0	28.7	57.4	10.0-120	
Isodrin	50.0	32.5	65.0	22.0-157	
Isosafrole	50.0	31.2	62.4	25.0-133	
Kepone	50.0	30.7	61.4	10.0-120	
Methapyrilene	50.0	6.73	13.5	10.0-120	
Methyl methanesulfonate	50.0	20.8	41.6	10.0-120	
Methyl parathion	50.0	59.8	120	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	36.5	73.0	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4026948-1 01/27/24 15:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
P-(Dimethylamino) Azobenzene	50.0	44.5	89.0	27.0-120	
Pentachlorobenzene	50.0	31.2	62.4	25.0-120	
Pentachloronitrobenzene	50.0	40.4	80.8	34.0-132	
Phenacetin	50.0	40.9	81.8	34.0-127	
Phorate	50.0	48.4	96.8	13.0-160	
Pronamide	50.0	40.1	80.2	38.0-130	
Safrole	50.0	31.3	62.6	21.0-120	
Thionazin	50.0	48.4	96.8	38.0-121	
n-Nitrosodi-n-butylamine	50.0	42.7	85.4	13.0-143	
n-Nitrosodiethylamine	50.0	28.9	57.8	10.0-120	
n-Nitrosomethylethylamine	50.0	24.4	48.8	10.0-120	
n-Nitrosopiperidine	50.0	29.4	58.8	10.0-160	
n-Nitrosopyrrolidine	50.0	30.0	60.0	10.0-124	
o-Toluidine	50.0	22.9	45.8	10.0-120	
p-Phenylenediamine	50.0	0.138	0.276	50.0-150	J4

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4027136-1 01/26/24 20:44 • (LCSD) R4027136-2 01/26/24 21:06

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 %
1,2,4,5-Tetrachlorobenzene	50.0	27.5	24.4	55.0	48.8	31.0-121			11.9	27
1,2,4-Trichlorobenzene	50.0	24.2	22.3	48.4	44.6	24.0-120			8.17	29
2,2-Oxybis(1-Chloropropane)	50.0	29.2	29.2	58.4	58.4	28.0-120			0.000	31
2,3,4,6-Tetrachlorophenol	50.0	30.7	31.1	61.4	62.2	42.0-132			1.29	22
2,4,5-Trichlorophenol	50.0	27.4	25.4	54.8	50.8	44.0-120			7.58	22
2,4,6-Trichlorophenol	50.0	26.1	25.3	52.2	50.6	42.0-120			3.11	23
2,4-Dichlorophenol	50.0	22.9	21.7	45.8	43.4	36.0-120			5.38	26
2,4-Dimethylphenol	50.0	22.9	20.4	45.8	40.8	33.0-120			11.5	26
2,4-Dinitrophenol	50.0	35.7	36.0	71.4	72.0	10.0-120			0.837	39
2,4-Dinitrotoluene	50.0	37.6	39.5	75.2	79.0	49.0-124			4.93	20
2,6-Dinitrotoluene	50.0	35.4	36.3	70.8	72.6	46.0-120			2.51	21
2-Chloronaphthalene	50.0	31.2	29.2	62.4	58.4	37.0-120			6.62	25
2-Chlorophenol	50.0	21.7	20.0	43.4	40.0	25.0-120			8.15	35
2-Methylnaphthalene	50.0	30.4	28.5	60.8	57.0	33.0-120			6.45	25
2-Methylphenol	50.0	17.1	16.9	34.2	33.8	28.0-120			1.18	29
2-Nitroaniline	50.0	37.4	39.0	74.8	78.0	43.0-120			4.19	22
2-Nitrophenol	50.0	29.0	25.4	58.0	50.8	31.0-120			13.2	29
3&4-Methyl Phenol	50.0	17.8	17.8	35.6	35.6	31.0-120			0.000	30

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

(LCS) R4027136-1 01/26/24 20:44 • (LCSD) R4027136-2 01/26/24 21:06

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 %
3,3-Dichlorobenzidine	100	66.8	63.9	66.8	63.9	44.0-120			4.44	20
3-Nitroaniline	50.0	30.8	31.6	61.6	63.2	38.0-120			2.56	21
4,6-Dinitro-2-methylphenol	50.0	38.4	37.9	76.8	75.8	38.0-138			1.31	25
4-Bromophenyl-phenylether	50.0	31.9	35.0	63.8	70.0	45.0-120			9.27	20
4-Chloro-3-methylphenol	50.0	19.7	19.5	39.4	39.0	40.0-120	J4	J4	1.02	21
4-Chloroaniline	50.0	18.2	20.9	36.4	41.8	25.0-120			13.8	25
4-Chlorophenyl-phenylether	50.0	33.3	33.7	66.6	67.4	44.0-120			1.19	20
4-Nitroaniline	50.0	36.8	37.3	73.6	74.6	18.0-160			1.35	21
4-Nitrophenol	50.0	11.8	12.8	23.6	25.6	10.0-120			8.13	33
Acenaphthene	50.0	34.5	33.6	69.0	67.2	41.0-120			2.64	22
Acenaphthylene	50.0	31.9	30.7	63.8	61.4	43.0-120			3.83	22
Acetophenone	50.0	30.1	29.6	60.2	59.2	29.0-120			1.68	28
Anthracene	50.0	32.0	33.3	64.0	66.6	45.0-120			3.98	20
Benzo(A)Anthracene	50.0	35.3	33.7	70.6	67.4	47.0-120			4.64	20
Benzo(a)pyrene	50.0	32.3	34.1	64.6	68.2	47.0-120			5.42	20
Benzo(b)fluoranthene	50.0	35.4	35.6	70.8	71.2	46.0-120			0.563	20
Benzo(g,h,i)perylene	50.0	31.5	31.8	63.0	63.6	48.0-121			0.948	20
Benzo(k)fluoranthene	50.0	34.9	36.4	69.8	72.8	46.0-120			4.21	21
Benzyl Alcohol	50.0	19.9	20.8	39.8	41.6	25.0-120			4.42	26
Benzylbutyl phthalate	50.0	43.3	45.0	86.6	90.0	43.0-121			3.85	20
Bis(2-Ethylhexyl)phthalate	50.0	45.6	44.4	91.2	88.8	43.0-122			2.67	20
Bis(2-chlorethoxy)methane	50.0	28.2	27.6	56.4	55.2	33.0-120			2.15	24
Bis(2-chloroethyl)ether	50.0	32.1	30.1	64.2	60.2	23.0-120			6.43	33
Chrysene	50.0	36.2	34.6	72.4	69.2	48.0-120			4.52	20
Di-n-butyl phthalate	50.0	41.5	44.0	83.0	88.0	49.0-121			5.85	20
Di-n-octyl phthalate	50.0	41.3	41.9	82.6	83.8	42.0-125			1.44	20
Dibenz(a,h)anthracene	50.0	31.3	32.3	62.6	64.6	47.0-120			3.14	20
Dibenzofuran	50.0	32.4	32.2	64.8	64.4	44.0-120			0.619	22
Diethyl phthalate	50.0	38.5	40.3	77.0	80.6	48.0-122			4.57	20
Dimethyl phthalate	50.0	36.8	38.1	73.6	76.2	48.0-120			3.47	20
Diphenylamine	50.0	34.4	35.0	68.8	70.0	35.0-120			1.73	20
Fluoranthene	50.0	33.3	34.0	66.6	68.0	51.0-120			2.08	20
Fluorene	50.0	34.2	35.1	68.4	70.2	47.0-120			2.60	20
Hexachloro-1,3-butadiene	50.0	18.8	17.1	37.6	34.2	19.0-120			9.47	32
Hexachlorobenzene	50.0	34.6	36.4	69.2	72.8	44.0-120			5.07	20
Hexachlorocyclopentadiene	50.0	15.3	12.8	30.6	25.6	15.0-120			17.8	31
Hexachloroethane	50.0	21.0	19.5	42.0	39.0	15.0-120			7.41	37
Indeno(1,2,3-cd)pyrene	50.0	29.1	28.8	58.2	57.6	49.0-122			1.04	20
Isophorone	50.0	27.0	26.5	54.0	53.0	36.0-120			1.87	23
Naphthalene	50.0	28.4	25.5	56.8	51.0	27.0-120			10.8	27

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4027136-1 01/26/24 20:44 • (LCSD) R4027136-2 01/26/24 21:06

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 %
Nitrobenzene	50.0	23.8	23.3	47.6	46.6	27.0-120			2.12	29
Pentachlorophenol	50.0	25.5	26.3	51.0	52.6	23.0-120			3.09	25
Phenanthrene	50.0	33.1	33.7	66.2	67.4	46.0-120			1.80	20
Phenol	50.0	9.64	9.88	19.3	19.8	10.0-120			2.46	36
Pyrene	50.0	38.6	39.8	77.2	79.6	47.0-120			3.06	20
n-Nitrosodi-n-propylamine	50.0	29.8	30.8	59.6	61.6	31.0-120			3.30	28
n-Nitrosodimethylamine	50.0	14.6	13.7	29.2	27.4	10.0-120			6.36	40
n-Nitrosodiphenylamine	50.0	34.4	35.0	68.8	70.0	47.0-120			1.73	20
<i>(S) 2-Fluorophenol</i>				26.4	24.5	10.0-120				
<i>(S) 2,4,6-Tribromophenol</i>				75.0	76.0	10.0-155				
<i>(S) p-Terphenyl-d14</i>				92.2	89.0	10.0-128				
<i>(S) Phenol-d5</i>				20.8	20.3	10.0-120				
<i>(S) 2-Fluorobiphenyl</i>				76.1	69.0	10.0-130				
<i>(S) Nitrobenzene-d5</i>				47.9	45.2	10.0-127				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026415-3 01/25/24 14:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	0.673	U	0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026415-3 01/25/24 14:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	1.01		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	32.6			10.0-120
(S) 2,4,6-Tribromophenol	65.0			10.0-155
(S) p-Terphenyl-d14	82.6			10.0-128
(S) Phenol-d5	24.3			10.0-120
(S) 2-Fluorobiphenyl	65.6			10.0-130
(S) Nitrobenzene-d5	53.3			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4027218-2 01/26/24 17:24

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

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027218-2 01/26/24 17:24

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

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

(LCS) R4026415-1 01/25/24 13:20 • (LCSD) R4026415-2 01/25/24 13:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,2,4,5-Tetrachlorobenzene	50.0	30.6	30.3	61.2	60.6	31.0-121			0.985	27
1,2,4-Trichlorobenzene	50.0	27.2	27.3	54.4	54.6	24.0-120			0.367	29
2,2-Oxybis(1-Chloropropane)	50.0	35.3	33.9	70.6	67.8	28.0-120			4.05	31
2,3,4,6-Tetrachlorophenol	50.0	37.9	37.6	75.8	75.2	42.0-132			0.795	22
2,4,5-Trichlorophenol	50.0	35.7	34.8	71.4	69.6	44.0-120			2.55	22
2,4,6-Trichlorophenol	50.0	33.4	33.7	66.8	67.4	42.0-120			0.894	23
2,4-Dichlorophenol	50.0	31.4	31.0	62.8	62.0	36.0-120			1.28	26
2,4-Dimethylphenol	50.0	31.5	32.4	63.0	64.8	33.0-120			2.82	26
2,4-Dinitrophenol	50.0	47.1	48.6	94.2	97.2	10.0-120			3.13	39
2,4-Dinitrotoluene	50.0	41.9	43.1	83.8	86.2	49.0-124			2.82	20
2,6-Dinitrotoluene	50.0	39.9	40.9	79.8	81.8	46.0-120			2.48	21
2-Chloronaphthalene	50.0	32.9	33.0	65.8	66.0	37.0-120			0.303	25
2-Chlorophenol	50.0	28.9	29.8	57.8	59.6	25.0-120			3.07	35
2-Methylnaphthalene	50.0	33.7	34.1	67.4	68.2	33.0-120			1.18	25
2-Methylphenol	50.0	25.9	25.1	51.8	50.2	28.0-120			3.14	29
2-Nitroaniline	50.0	40.9	41.6	81.8	83.2	43.0-120			1.70	22
2-Nitrophenol	50.0	36.3	35.6	72.6	71.2	31.0-120			1.95	29
3&4-Methyl Phenol	50.0	28.6	28.5	57.2	57.0	31.0-120			0.350	30
3,3-Dichlorobenzidine	100	73.6	70.7	73.6	70.7	44.0-120			4.02	20
3-Nitroaniline	50.0	37.1	34.7	74.2	69.4	38.0-120			6.69	21
4,6-Dinitro-2-methylphenol	50.0	44.2	45.2	88.4	90.4	38.0-138			2.24	25
4-Bromophenyl-phenylether	50.0	36.6	37.3	73.2	74.6	45.0-120			1.89	20
4-Chloro-3-methylphenol	50.0	30.8	31.0	61.6	62.0	40.0-120			0.647	21
4-Chloroaniline	50.0	23.6	19.7	47.2	39.4	25.0-120			18.0	25
4-Chlorophenyl-phenylether	50.0	36.1	37.6	72.2	75.2	44.0-120			4.07	20
4-Nitroaniline	50.0	41.3	40.7	82.6	81.4	18.0-160			1.46	21
4-Nitrophenol	50.0	19.6	18.9	39.2	37.8	10.0-120			3.64	33
Acenaphthene	50.0	35.9	36.3	71.8	72.6	41.0-120			1.11	22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4026415-1 01/25/24 13:20 • (LCSD) R4026415-2 01/25/24 13:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	50.0	35.0	34.9	70.0	69.8	43.0-120			0.286	22
Acetophenone	50.0	35.7	34.0	71.4	68.0	29.0-120			4.88	28
Anthracene	50.0	36.3	36.0	72.6	72.0	45.0-120			0.830	20
Benzo(A)Anthracene	50.0	36.4	35.9	72.8	71.8	47.0-120			1.38	20
Benzo(a)pyrene	50.0	38.9	37.3	77.8	74.6	47.0-120			4.20	20
Benzo(b)fluoranthene	50.0	39.4	38.4	78.8	76.8	46.0-120			2.57	20
Benzo(g,h,i)perylene	50.0	36.2	35.3	72.4	70.6	48.0-121			2.52	20
Benzo(k)fluoranthene	50.0	41.0	39.3	82.0	78.6	46.0-120			4.23	21
Benzyl Alcohol	50.0	27.8	24.1	55.6	48.2	25.0-120			14.3	26
Benzylbutyl phthalate	50.0	43.6	44.3	87.2	88.6	43.0-121			1.59	20
Bis(2-Ethylhexyl)phthalate	50.0	46.3	43.8	92.6	87.6	43.0-122			5.55	20
Bis(2-chlorethoxy)methane	50.0	33.8	32.3	67.6	64.6	33.0-120			4.54	24
Bis(2-chloroethyl)ether	50.0	35.3	33.8	70.6	67.6	23.0-120			4.34	33
Chrysene	50.0	36.3	35.3	72.6	70.6	48.0-120			2.79	20
Di-n-butyl phthalate	50.0	42.4	44.2	84.8	88.4	49.0-121			4.16	20
Di-n-octyl phthalate	50.0	44.4	43.5	88.8	87.0	42.0-125			2.05	20
Dibenz(a,h)anthracene	50.0	36.4	35.3	72.8	70.6	47.0-120			3.07	20
Dibenzofuran	50.0	36.0	36.6	72.0	73.2	44.0-120			1.65	22
Diethyl phthalate	50.0	38.9	39.4	77.8	78.8	48.0-122			1.28	20
Dimethyl phthalate	50.0	39.6	40.0	79.2	80.0	48.0-120			1.01	20
Diphenylamine	50.0	37.8	38.9	75.6	77.8	35.0-120			2.87	20
Fluoranthene	50.0	35.2	36.1	70.4	72.2	51.0-120			2.52	20
Fluorene	50.0	37.5	38.1	75.0	76.2	47.0-120			1.59	20
Hexachloro-1,3-butadiene	50.0	23.9	24.1	47.8	48.2	19.0-120			0.833	32
Hexachlorobenzene	50.0	39.9	40.5	79.8	81.0	44.0-120			1.49	20
Hexachlorocyclopentadiene	50.0	16.2	16.8	32.4	33.6	15.0-120			3.64	31
Hexachloroethane	50.0	26.7	25.7	53.4	51.4	15.0-120			3.82	37
Indeno(1,2,3-cd)pyrene	50.0	32.9	31.6	65.8	63.2	49.0-122			4.03	20
Isophorone	50.0	32.3	31.1	64.6	62.2	36.0-120			3.79	23
Naphthalene	50.0	30.0	29.7	60.0	59.4	27.0-120			1.01	27
Nitrobenzene	50.0	28.3	27.3	56.6	54.6	27.0-120			3.60	29
Pentachlorophenol	50.0	34.7	33.9	69.4	67.8	23.0-120			2.33	25
Phenanthrene	50.0	37.0	37.2	74.0	74.4	46.0-120			0.539	20
Phenol	50.0	14.5	13.8	29.0	27.6	10.0-120			4.95	36
Pyrene	50.0	39.8	40.4	79.6	80.8	47.0-120			1.50	20
n-Nitrosodi-n-propylamine	50.0	35.8	35.0	71.6	70.0	31.0-120			2.26	28
n-Nitrosodimethylamine	50.0	18.5	16.6	37.0	33.2	10.0-120			10.8	40
n-Nitrosodiphenylamine	50.0	37.8	38.9	75.6	77.8	47.0-120			2.87	20
(S) 2-Fluorophenol				33.8	33.8	10.0-120				
(S) 2,4,6-Tribromophenol				78.0	77.5	10.0-155				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4026415-1 01/25/24 13:20 • (LCSD) R4026415-2 01/25/24 13:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
(S) p-Terphenyl-d14				89.0	83.3	10.0-128				
(S) Phenol-d5				27.6	25.2	10.0-120				
(S) 2-Fluorobiphenyl				69.7	69.0	10.0-130				
(S) Nitrobenzene-d5				55.2	46.5	10.0-127				

Laboratory Control Sample (LCS)

(LCS) R4027218-1 01/26/24 17:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,3,5-Trinitrobenzene	50.0	35.5	71.0	37.0-147	
1,3-Dinitrobenzene	50.0	32.6	65.2	34.0-120	
1,4-Naphthoquinone	50.0	2.75	5.50	50.0-150	<u>J4</u>
1-Naphthylamine	50.0	22.3	44.6	19.0-120	
2,6-Dichlorophenol	50.0	29.4	58.8	19.0-136	
2-Acetylaminofluorene	50.0	45.7	91.4	32.0-120	
2-Naphthylamine	50.0	16.5	33.0	10.0-120	
3,3-Dimethylbenzidine	50.0	9.30	18.6	13.0-120	
3-Methylcholanthrene	50.0	38.5	77.0	30.0-160	
4-Aminobiphenyl	50.0	26.3	52.6	20.0-120	
5-Nitro-o-toluidine	50.0	37.7	75.4	34.0-120	
Chlorobenzilate	50.0	36.2	72.4	29.0-128	
Diallate	50.0	31.5	63.0	30.0-120	
Dimethoate	50.0	38.1	76.2	11.0-134	
Dimethylbenz (A) Anthracene	50.0	27.5	55.0	14.0-124	
Dinoseb	50.0	35.3	70.6	39.0-120	
Diphenylamine	50.0	33.2	66.4	35.0-120	
Disulfoton	50.0	39.8	79.6	32.0-120	
Ethyl methanesulfonate	50.0	24.4	48.8	10.0-120	
Ethyl parathion	50.0	40.2	80.4	46.0-130	
Famphur	50.0	40.9	81.8	32.0-120	
Hexachloropropene	50.0	26.4	52.8	10.0-120	
Isodrin	50.0	28.5	57.0	22.0-157	
Isosafrole	50.0	29.0	58.0	25.0-133	
Kepone	50.0	32.3	64.6	10.0-120	
Methapyrilene	50.0	6.13	12.3	10.0-120	
Methyl methanesulfonate	50.0	20.4	40.8	10.0-120	
Methyl parathion	50.0	47.8	95.6	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	35.3	70.6	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4027218-1 01/26/24 17:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
P-(Dimethylamino) Azobenzene	50.0	33.0	66.0	27.0-120	
Pentachlorobenzene	50.0	27.1	54.2	25.0-120	
Pentachloronitrobenzene	50.0	32.9	65.8	34.0-132	
Phenacetin	50.0	33.5	67.0	34.0-127	
Phorate	50.0	42.2	84.4	13.0-160	
Pronamide	50.0	35.0	70.0	38.0-130	
Safrole	50.0	29.9	59.8	21.0-120	
Thionazin	50.0	39.9	79.8	38.0-121	
n-Nitrosodi-n-butylamine	50.0	36.4	72.8	13.0-143	
n-Nitrosodiethylamine	50.0	29.0	58.0	10.0-120	
n-Nitrosomethylethylamine	50.0	25.3	50.6	10.0-120	
n-Nitrosopiperidine	50.0	26.4	52.8	10.0-160	
n-Nitrosopyrrolidine	50.0	28.3	56.6	10.0-124	
o-Toluidine	50.0	18.4	36.8	10.0-120	
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	<u>J4</u>

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

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

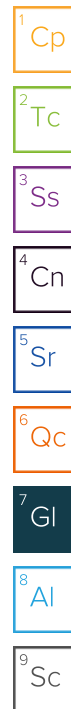
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
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.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.



GLOSSARY OF TERMS

Qualifier	Description
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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 4

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Russellville

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

Immediately

Packed on Ice N Y

No.
of
Cnts

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts
LGW-5	grab	GW	44.3	1/9/24	1555	16
LGW-6	grab	GW	57.4	1/9/24	1425	16
LGW-7		GW				16
LGW-8R		GW				16
LGW-9		GW	54.1	1/9/24	1115	16
LGW-10		GW	61.4	1/9/24	1240	16
LGW-14R		GW	61.6	1/11/24	0925	16
MW-1N		GW	88.3	1/10/24	1115	16
MW-2N	✓	GW	71.6	1/10/24	1230	16
MW-3N		GW				16

V8260LL TB 40mlAmb-HCl-BIK

V8260LLAP9 40mlAmb-HCl

V8260LLAP9 TB 40mlAmb-HCl-BIK

WetChem 125mlHDPE-NoPres

LGW-5 is LGW-7 per
C.Fincher. SK
1/14/24



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/dfs/dfs-standard-terms.pdf

SDG # 4695971

C120

Acctnum: WMECOVISAR

Template: T243781

Prelogin: P1044859

PM: 616 - Stacy Kennedy

PB: BW 12/24

Shipped Via: FedEX Ground

Remarks Sample # (lab only)

-01
-02

-03
-04
-05
-06
-07

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

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes/No

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

Hold:

Condition:
NCF OK

1/11/24 1400

4
TBR

176

[Signature]

1-12-24 0900

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:

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

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 4

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Waller

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

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

Quote #

Date Results Needed

No.
of
Cnts

Immediately
Packed on Ice N Y X

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

No.
of
Cnts

8081/8082 100ml Amb-NoPres

8270AP9 100ml Amb NoPres

CN 250mlHDPEAmb-NaOH

Metals 250mlHDPE-HNO3

NH3,NO2NO3 250mlHDPE-H2SO4

SULFIDE 250mlAmb-S-NaOH+ZnAC

SV8151 1L-Amb-No Pres

TDS 1L-HDPE NoPres

TOC 250mlAmb-HCl

V8260LL 40mlAmb-HCl

Remarks

Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAC	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl	Remarks	Sample # (lab only)
LGW-5	gfab	GW	44.3	1/9/24	1555	16	X	X	X	X	X	X	X	X	X	X		
LGW-6	g	GW	51.4	1/9/24	1425	16	X	X	X	X	X	X	X	X	X	X		-01 -02
LGW-7		GW				16	X	X	X	X	X	X	X	X	X	X		
LGW-8R		GW				16	X	X	X	X	X	X	X	X	X	X		
LGW-9		GW	54.1	1/9/24	1115	16	X	X	X	X	X	X	X	X	X	X		-03
LGW-10		GW	61.4	1/9/24	1240	16	X	X	X	X	X	X	X	X	X	X		-04
LGW-14R		GW	41.6	1/11/24	0925	16	X	X	X	X	X	X	X	X	X	X		-05
MW-1N		GW	88.3	1/10/24	1115	16	X	X	X	X	X	X	X	X	X	X		-06
MW-2N		GW	71.6	1/10/24	1230	16	X	X	X	X	X	X	X	X	X	X		-07
MW-3N		GW				16	X	X	X	X	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:

Samples returned via:

UPS FedEx Courier _____

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

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

Relinquished by: (Signature)
[Signature]

Date:

1/11/24 1400

Time:

Received by: (Signature)

Trip Blank Received: Yes/No

4 HCL/MeOH
 TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received: 176

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
[Signature]

Date: 1.12.24 Time: 0900

Hold:

Condition:
NCF / OK

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

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

Pres
Chk

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State Collected: _____ Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Walker

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

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

Quote #

Date Results Needed

No.
of
Cnts

Immediately Packed on Ice N Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cnts
MW-7N	8506	GW	88.2	1/11/24	1320	16
MW-8N		GW				16
MW-10N		GW				16
MW-11N		GW				16
MW-15		GW	59.0	1/10/24	1455	16
MW-16		GW	78.6	1/10/24	1540	16
MW-17		GW				16
MW-19		GW	69.0	1/11/24	1205	16
MW-20		GW				16
MW-21		GW				16

Analysis / Container / Preservative									
8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl



MT JULIET, TN

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

SDG # *UL05971*

Table #
Acctnum: **WMECOVISAR**
Template: **T243781**

Prelogin: **P1044859**
PM: 616 - Stacy Kennedy
PB: *BW Walker*

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

	-08
	-09
	-10
	-11

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

Remarks:
pH _____ Temp _____
Flow _____ Other _____
Samples returned via: _____ Tracking # _____

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

Relinquished by: (Signature) <i>[Signature]</i>	Date: 1/11/24	Time: 1400	Received by: (Signature)	Trip Blank Received: Yes/No 4 <input checked="" type="checkbox"/> HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 176
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 1-12-24 Time: 0900

Condition:
NCF/OK

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 4 of 4



MT JULIET, TN

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

Report to:
Jodi Reynolds

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

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Walker

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

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

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	V8260LL TB 40mlAmb-HCl-Bik	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 TB 40mlAmb-HCl-Bik	WetChem 125mlHDPE-NoPres	Remarks	Sample # (lab only)
MW-7N	grab	GW	88.2	1/11/24	1320	16	X	X				-08
MW-8N		GW				16	X	X				
MW-10N		GW				16	X	X				
MW-11N		GW				16	X	X				
MW-15		GW	59.0	1/10/24	1455	16	X	X				-09
MW-16		GW	98.6	1/10/24	1540	16	X	X				-10
MW-17		GW				16	X	X				
MW-19		GW	69.0	1/11/24	1205	16	X	X				-11
MW-20		GW				16	X	X				
MW-21		GW				16	X	X				

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

Remarks:

Samples returned via:

___ UPS ___ FedEx ___ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

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

Relinquished by: (Signature)
[Signature]

Date:

1/11/24 1400

Time:

Received by: (Signature)

Trip Blank Received: Yes No

HC / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C
176

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
[Signature]

Date:

Time:

Hold:

1-12-24 0900

Condition:
NCF OK

INFORMATION FORM

Management Field Information Form is Required

WMA
WASTE MANAGEMENT

Site Name: EVLF **LGW-7 per C.Fincher.**
 SK 1/4/124

Site No.: Sample Point: LGW-5 Laboratory Use Only/Lab ID: 11695971

PURGE INFO

PURGE DATE (MM DD YY): 01/09/24 PURGE TIME (2400 Hr Clock): 95730 ELAPSED HRS (hrs:min): WATER VOL IN CASING (Gallons): ACTUAL VOL PURGED (Gallons): WELL VOLS PURGED:

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

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: or Filter Device: or 0.45 μ or μ (circle or fill in)

Purging Device: C A-Submersible Pump D-Bailer Filter Type: A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other:

Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle Sample Tube Type: D A-Teflon C-PVC X-Other:
 X-Other: B-Stainless Steel D-Polypropylene

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 43579 (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 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) (μ mhos/cm @ 25°C)	Temp (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>15:35</u>	<u>375</u> 1 st	<u>6.42</u> 1 st	<u>656</u>	<u>12.2</u>	<u>16.4</u>	<u>5.1</u>	<u>-5.4</u>	<u>44.2</u>
<u>15:40</u>	<u>375</u> 2 nd	<u>6.80</u> 2 nd	<u>527</u>	<u>13.9</u>	<u>4.9</u>	<u>3.7</u>	<u>4.1</u>	<u>44.3</u>
<u>15:45</u>	<u>375</u> 3 rd	<u>6.61</u> 3 rd	<u>589</u>	<u>13.9</u>	<u>5.1</u>	<u>3.0</u>	<u>20.4</u>	<u>44.3</u>
<u>16:50</u>	<u>375</u> 4 th	<u>6.53</u> 4 th	<u>613</u>	<u>14.2</u>	<u>4.7</u>	<u>2.6</u>	<u>27.5</u>	<u>44.45</u>
<u>16:55</u>	<u>375</u>	<u>6.33</u>	<u>658</u>	<u>13.1</u>	<u>2.7</u>	<u>1.9</u>	<u>52.9</u>	<u>44.3</u>

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

FIELD DATA

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

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (μ mhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
<u>01/09/24</u>	<u>6.33</u>	<u>658</u>	<u>13.1</u>	<u>2.7</u>	<u>1.9</u>	<u>52.9</u>	<u> </u>

Sample Appearance: clear Odor: No Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: NW-15mph Outlook: Precipitation: Y or

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).

1, 9, 24 Ryan Walker [Signature] PROMUS

Date Name Signature Company

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

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: [][][][][][]

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: 110971

PURGE INFO
 PURGE DATE: 01/09/24 PURGE TIME: 14:10 ELAPSED HRS: [][][][]
 WATER VOL IN CASING: [][][][][][] ACTUAL VOL PURGED: [][][][][][] WELL VOL PURGED: [][][][][][]
 (MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons)

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

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

WELL DATA
 Well Elevation (at TOC): [][][][] (ft/msl) Depth to Water (DTW) (from TOC): 511.43 (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: 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) (μ mhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>14:10</u>	<u>200</u> 1 st	<u>6.18</u> 1 st	<u>755</u>	<u>12.6</u>	<u>4.7</u>	<u>1.7</u>	<u>-163.2</u>	<u>51.45</u>
<u>14:15</u>	<u>200</u> 2 nd	<u>6.16</u> 2 nd	<u>702</u>	<u>11.6</u>	<u>3.3</u>	<u>1.5</u>	<u>-126.7</u>	<u>51.45</u>
<u>14:20</u>	<u>200</u> 3 rd	<u>6.13</u> 3 rd	<u>725</u>	<u>10.3</u>	<u>1.8</u>	<u>1.1</u>	<u>-118.8</u>	<u>51.45</u>
<u>14:25</u>	<u>200</u> 4 th	<u>6.13</u> 4 th	<u>720</u>	<u>7.1</u>	<u>6.1</u>	<u>1.0</u>	<u>-15.8</u>	<u>51.45</u>

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

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

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (μ mhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
<u>01/09/24</u>	<u>6.13</u>	<u>720</u>	<u>7.1</u>	<u>6.1</u>	<u>1.0</u>	<u>-15.8</u>	[][][]

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: NO 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):

1/4/24 Ryan Warren [Signature] Promus
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: L9W-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:
41695971

PURGE INFO
 PURGE DATE (MM DD YY): 0110924
 PURGE TIME (2400 Hr Clock): 10:30
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

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

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

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 537 (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: PVC

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

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>11:010</u>	<u>200</u> 1 st	<u>6.03</u> 1 st	<u>782</u>	<u>11.9</u>	<u>2.4</u>	<u>2.1</u>	<u>136.4</u>
	<u>11:05</u>	<u>200</u> 2 nd	<u>6.08</u> 2 nd	<u>788</u>	<u>9.4</u>	<u>2.2</u>	<u>1.4</u>	<u>134.7</u>	<u>54.5</u>
	<u>11:10</u>	<u>200</u> 3 rd	<u>6.12</u> 3 rd	<u>783</u>	<u>7.9</u>	<u>2.3</u>	<u>1.3</u>	<u>133.4</u>	<u>54.1</u>
	<u>11:15</u>	<u>200</u> 4 th	<u>6.15</u> 4 th	<u>771</u>	<u>9.4</u>	<u>2.3</u>	<u>1.2</u>	<u>96.1</u>	<u>54.1</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements: +/- 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): 0110924
 pH (std): 6.15
 CONDUCTANCE (umhos/cm @ 25°C): 791
 TEMP. (°C): 9.4
 TURBIDITY (ntu): 2.3
 DO (mg/L-ppm): 1.2
 eH/ORP (mV): 96.1
 Other:
 Units:

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

Sample Appearance: clear Odor: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: NW 10mph Outlook: SNOW Precipitation: X 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):
1.9.24 Ryan Walker [Signature] PRMUS
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: 2gw-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:
U095971

PURGE INFO
 PURGE DATE (MM DD YY): 010924
 PURGE TIME (2400 Hr Clock): 12:20
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 54.43 (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 PVC

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

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>12:25</u>	<u>400</u>	<u>6.23</u>	<u>959</u>	<u>13.4</u>	<u>8.1</u>	<u>1.5</u>	<u>10.1</u>
	<u>12:30</u>	<u>400</u>	<u>6.13</u>	<u>974</u>	<u>14.8</u>	<u>6.2</u>	<u>0.9</u>	<u>-49.6</u>	<u>60.8</u>
	<u>12:35</u>	<u>400</u>	<u>6.14</u>	<u>980</u>	<u>15.2</u>	<u>5.5</u>	<u>0.4</u>	<u>-69.8</u>	<u>61.4</u>
	<u>12:40</u>	<u>400</u>	<u>6.15</u>	<u>987</u>	<u>13.6</u>	<u>3.5</u>	<u>0.4</u>	<u>-71.4</u>	<u>61.4</u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements: +/- 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): 010924
 pH (std): 6.15
 CONDUCTANCE (umhos/cm @ 25°C): 987
 TEMP. (°C): 13.6
 TURBIDITY (ntu): 3.5
 DO (mg/L-ppm): 0.4
 eH/ORP (mV): -71.4
 Other:
 Units:

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

Sample Appearance: clear Odor: NO 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):
010924 Ryan Wallen [Signature] PROMUS
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLTF
 Site No.:
 Sample Point: LGW-14R
 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:
U1015971

PURGE INFO
 PURGE DATE (MM DD YY): 011124
 PURGE TIME (2400 Hr Clock): 09:05
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 56.86 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:10	400 1 st	5.81	1462	12.7	4.8	7.8	191.5	59.8
09:15	400 2 nd	6.56	660	13.9	0.2	5.1	175.8	60.4
09:20	400 3 rd	6.66	658	14.3	0.2	4.6	167.8	61.4
09:25	400 4 th	6.71	651	14.3	0.2	4.5	162.3	61.6

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 011124 pH (std): 6.71 CONDUCTANCE (umhos/cm @ 25°C): 651 TEMP. (°C): 14.3 TURBIDITY (ntu): 0.2 DO (mg/L-ppm): 4.5 eH/ORP (mV): 162.3 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): 40° Direction/Speed: EW-1mph Outlook: clear Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):
dup 0925

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
1/11/24 Ryan Walker [Signature] PROMIS
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLV
 Site No.:
 Sample Point: MW-11N
 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:
41695971

PURGE INFO
 PURGE DATE (MM DD YY): 0111024
 PURGE TIME (2400 Hr Clock): 11:03:51
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) (ft/msl):
 Depth to Water (DTW) (from TOC) (ft): 81.58
 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: PVC

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

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:00	200 1 st	6.69	429	12.3	3.4	6.6	100.2	82.5
11:05	200 2 nd	6.81	433	13.7	2.4	4.2	47.4	83.1
11:10	200 3 rd	6.84	435	13.7	2.6	3.4	95.1	83.25
11:15	200 4 th	6.88	432	12.5	3.1	3.2	41.7	83.3

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 0111024
 pH (std): 6.88
 CONDUCTANCE (μmhos/cm @ 25°C): 432
 TEMP. (°C): 12.5
 TURBIDITY (ntu): 3.1
 DO (mg/L-ppm): 3.2
 eH/ORP (mV): 41.7
 Other:
 Units

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

Sample Appearance: clear Odor: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: SE-20mph Outlook: clear 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):
1/10/24 Ryan Walker [Signature] [Signature]
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: MW-2N
Sample ID

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

Laboratory Use Only/Lab ID: 4695971

PURGE INFO
 PURGE DATE (MM DD YY): 01/10/24 PURGE TIME (2400 Hr Clock): 12:10 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons): ACTUAL VOL PURGED (Gallons): WELL VOLS PURGED:

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

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

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 69.25 (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 PVC

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

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>12:15</u>	<u>200</u> 1 st	<u>7.01</u> 1 st	<u>441</u>	<u>13.5</u>	<u>3.5</u>	<u>6.8</u>	<u>98.8</u>
	<u>12:20</u>	<u>200</u> 2 nd	<u>6.81</u> 2 nd	<u>560</u>	<u>13.8</u>	<u>4.3</u>	<u>5.1</u>	<u>95.3</u>	<u>71.0</u>
	<u>12:25</u>	<u>200</u> 3 rd	<u>6.71</u> 3 rd	<u>571</u>	<u>14.1</u>	<u>3.1</u>	<u>3.6</u>	<u>96.2</u>	<u>71.6</u>
	<u>12:30</u>	<u>200</u> 4 th	<u>6.69</u> 4 th	<u>571</u>	<u>13.3</u>	<u>3.1</u>	<u>3.3</u>	<u>95.8</u>	<u>71.6</u>

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/10/24 pH (std): 6.69 CONDUCTANCE (umhos/cm @ 25°C): 571 TEMP. (°C): 13.3 TURBIDITY (ntu): 3.1 DO (mg/L-ppm): 3.3 eH/ORP (mV): 95.8 Other:

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

Sample Appearance: clear Odor: NO 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):
1.10.24 Ryan Walker Jim Jones Promos
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-7N
 Sample ID:

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

Laboratory Use Only/Lab ID:
21095971

PURGE INFO
 PURGE DATE (MM DD YY): 011124 PURGE TIME (2400 Hr Clock): 13:00 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons): ACTUAL VOL PURGED (Gallons): WELL VOLs PURGED (ft/msl):

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

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 87.61 (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: PVC

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	300 1 st	656	647	19.3	1.9	5.2	126.2	88.1
13:10	300 2 nd	680	641	18.2	2.7	5.8	122.3	88.28
13:15	300 3 rd	668	634	15.6	4.0	3.8	124.4	88.28
13:20	300 4 th	664	638	15.6	2.4	3.4	91.2	88.2

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 011124 pH (std): 669 CONDUCTANCE (umhos/cm @ 25°C): 638 TEMP. (°C): 15.6 TURBIDITY (ntu): 2.4 DO (mg/L-ppm): 3.4 eH/ORP (mV): 91.2 Other:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).
 Sample Appearance: clear Odor: NO 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):
11/24 Ryan Walker PROMUS
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLP
 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:
W695971

PURGE INFO
 PURGE DATE (MM DD YY): 011024
 PURGE TIME (2400 Hr Clock): 14:30
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLs PURGED:
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

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

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 58.85 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>14:40</u>	<u>400</u> 1 st	<u>6.48</u> 1 st	<u>674</u>	<u>16.0</u>	<u>27</u>	<u>6.1</u>	<u>103.1</u>
	<u>14:45</u>	<u>400</u> 2 nd	<u>6.24</u> 2 nd	<u>672</u>	<u>15.1</u>	<u>28</u>	<u>5.3</u>	<u>107.5</u>	<u>59.0</u>
	<u>14:50</u>	<u>400</u> 3 rd	<u>6.28</u> 3 rd	<u>669</u>	<u>15.1</u>	<u>31</u>	<u>5.2</u>	<u>108.4</u>	<u>59.0</u>
	<u>14:55</u>	<u>400</u> 4 th	<u>6.27</u> 4 th	<u>669</u>	<u>15.1</u>	<u>30</u>	<u>5.2</u>	<u>109.4</u>	<u>59.0</u>

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 011024
 pH (std): 6.27
 CONDUCTANCE (umhos/cm @ 25°C): 669
 TEMP. (°C): 15.1
 TURBIDITY (ntu): 30
 DO (mg/L-ppm): 5.2
 eH/ORP (mV): 109.4
 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: No 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):
1.10.24 Ryan Wallen [Signature] PROMS
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLFF
 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: 11015971

PURGE INFO
 PURGE DATE: 01/10/24 PURGE TIME: 15:20 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

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

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 75.07 (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: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>15:25</u>	<u>200</u> 1 st	<u>6.36</u> 1 st	<u>647</u> 1 st	<u>15.6</u>	<u>4.0</u>	<u>5.8</u>	<u>105.2</u>	<u>76.15</u>
<u>15:30</u>	<u>200</u> 2 nd	<u>6.86</u> 2 nd	<u>391</u> 2 nd	<u>14.6</u>	<u>3.3</u>	<u>6.8</u>	<u>94.0</u>	<u>76.73</u>
<u>15:35</u>	<u>200</u> 3 rd	<u>7.05</u> 3 rd	<u>380</u> 3 rd	<u>14.6</u>	<u>2.8</u>	<u>6.9</u>	<u>91.2</u>	<u>78.0</u>
<u>15:40</u>	<u>200</u> 4 th	<u>7.06</u> 4 th	<u>381</u> 4 th	<u>14.2</u>	<u>2.5</u>	<u>6.9</u>	<u>92.3</u>	<u>78.6</u>

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/10/24 pH (std): 7.06 CONDUCTANCE (umhos/cm @ 25°C): 381 TEMP. (°C): 14.2 TURBIDITY (ntu): 2.5 DO (mg/L-ppm): 6.9 eH/ORP (mV): 92.3 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
1/10/24 Ryan Warren [Signature] Promus
 Date Name Signature Company

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

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: MW-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:
1109571

PURGE INFO
 PURGE DATE (MM DD YY): 011124 PURGE TIME (2400 Hr Clock): 11:50 ELAPSED HRS (hrs:min): WATER VOL IN CASING (Gallons): ACTUAL VOL PURGED (Gallons): WELL VOL PURGED (Gallons):

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

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

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 0810 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>11:50</u>	<u>500</u>	<u>6.64</u> 1 st	<u>709</u>	<u>17.9</u>	<u>9.5</u>	<u>4.7</u>	<u>133.5</u>
	<u>11:55</u>	<u>500</u>	<u>6.50</u> 2 nd	<u>724</u>	<u>17.7</u>	<u>8.1</u>	<u>3.1</u>	<u>133.9</u>	<u>68.7</u>
	<u>12:00</u>	<u>500</u>	<u>6.55</u> 3 rd	<u>711</u>	<u>17.7</u>	<u>2.9</u>	<u>3.2</u>	<u>131.8</u>	<u>68.7</u>
	<u>12:05</u>	<u>600</u>	<u>6.57</u> 4 th	<u>654</u>	<u>17.8</u>	<u>1.4</u>	<u>4.2</u>	<u>129.4</u>	<u>69.0</u>

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

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

FIELD DATA
 SAMPLE DATE (MM DD YY): 011124 pH (std): 6.57 CONDUCTANCE (umhos/cm @ 25°C): 654 TEMP. (°C): 17.8 TURBIDITY (ntu): 1.4 DO (mg/L-ppm): 4.2 eH/ORP (mV): 129.4 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: SE - 15mph Outlook: clear 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):
1, 11, 24 Ryan Walker [Signature] PROMUS
 Date Name Signature Company

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

L1695971

<u>Tracking Numbers</u>	<u>Temperature</u>
7210 2110 7805	MSA80.9+0=0.9
72102110 7827	MSA82.2+0=2.2
72102110 7849	MSA82.6+0=2.6
7210 2110 7850	MSA84.4+0=4.4
7210 2110 7838	MSA85.5+0=5.5
72102110 7816	MSA80.9+0=0.9

Name

Date

1/12-NCF-L1695971 WMECOVISAR

R5

Time estimate: oh

Time spent: oh

Members



Hailey Robertson (responsible)



Stacy Kennedy

Due on 16 January 2024 8:00 AM for target Done

- Login Clarification needed
- Chain of custody is incomplete
- Please specify Metals requested
- Please specify TCLP requested
- Received additional samples not listed on COC
- Sample IDs on containers do not match IDs on COC
- Client did not "X" analysis
- Chain of Custody is missing
- If no COC: Received by: _____
- If no COC: Date/Time: _____
- If no COC: Temp./Cont.Rec./pH: _____
- If no COC: Carrier: _____
- If no COC: Tracking #: _____
- Client informed by call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: ___1/12/24___1822_____
- PM initials: _____
- Client Contact: ___Chris Fincher_____

Comments

Hailey Robertson *12 January 2024 3:55 PM*
 Did not receive Samples for LGW-5 but received samples for LGW-7 but the time and date of collection match ID: LGW-5. LGW-7 is crossed out on the COC. Currently logged as LGW-5 due to matching time and date of collection.

Hailey Robertson *12 January 2024 4:28 PM*
 Also received DUP-2 not listed on the COC.

Stacy Kennedy *14 January 2024 2:51 PM*
 Sample is LGW-7. Please update.
 Noted. Log DUP-2, per template. Same analysis as other samples.

1695971

Troy Dunlap

16 January 2024 10:59 AM

Done.

Eco-Vista (Tontitown)LF

Sample Delivery Group: L1698390
Samples Received: 01/24/2024
Project Number: 300
Description: Eco-Vista LF- Tri-Annual Event '18 '21 '24
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

Entire Report Reviewed By:



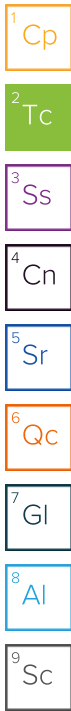
Stacy Kennedy
Project Manager

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

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

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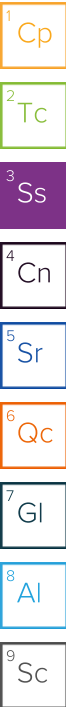


SAMPLE SUMMARY

LGW-5 L1698390-01 GW

Collected by: Ryan Wallen
 Collected date/time: 01/21/24 14:50
 Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 10:04	01/25/24 10:04	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:31	01/25/24 14:31	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:18	01/25/24 01:18	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:29	01/24/24 20:29	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:33	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212114	1	01/25/24 06:10	01/25/24 06:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/24/24 22:51	01/24/24 22:51	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2211807	1	01/24/24 17:17	01/25/24 22:49	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:05	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 14:51	01/25/24 14:51	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2214020	1	01/28/24 07:44	01/31/24 03:47	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 13:13	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 13:13	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 17:42	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 15:25	JRM	Mt. Juliet, TN



LGW-8R L1698390-02 GW

Collected by: Ryan Wallen
 Collected date/time: 01/21/24 16:05
 Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:00	01/25/24 11:00	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:33	01/25/24 14:33	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:27	01/25/24 01:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:29	01/24/24 20:29	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:34	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/24/24 22:19	01/24/24 22:19	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/24/24 23:04	01/24/24 23:04	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2211807	1	01/24/24 17:17	01/25/24 22:51	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:08	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 15:11	01/25/24 15:11	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2214020	1	01/28/24 07:44	01/31/24 03:58	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 13:22	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 13:22	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 18:04	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 15:43	JRM	Mt. Juliet, TN

MW-3N L1698390-03 GW

Collected by: Ryan Wallen
 Collected date/time: 01/20/24 15:15
 Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:06	01/25/24 11:06	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:39	01/25/24 14:39	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:29	01/25/24 01:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:29	01/24/24 20:29	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:36	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/24/24 23:10	01/24/24 23:10	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/24/24 23:19	01/24/24 23:19	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2211807	1	01/24/24 17:17	01/25/24 22:53	LAS	Mt. Juliet, TN

SAMPLE SUMMARY

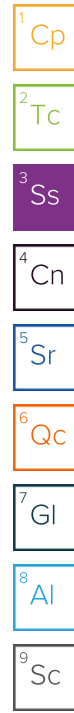
MW-3N L1698390-03 GW

Collected by
Ryan Wallen

Collected date/time
01/20/24 15:15

Received date/time
01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:11	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 15:32	01/25/24 15:32	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 20:01	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 13:30	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 13:30	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 18:25	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 16:00	JRM	Mt. Juliet, TN



MW-10N L1698390-04 GW

Collected by
Ryan Wallen

Collected date/time
01/20/24 13:00

Received date/time
01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:11	01/25/24 11:11	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:40	01/25/24 14:40	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:31	01/25/24 01:31	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:29	01/24/24 20:29	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:39	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/24/24 23:23	01/24/24 23:23	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/24/24 23:35	01/24/24 23:35	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2211807	1	01/24/24 17:17	01/25/24 22:56	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 10:12	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 15:52	01/25/24 15:52	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 20:12	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 13:39	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 13:39	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 21:21	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 17:28	JRM	Mt. Juliet, TN

MW-21 L1698390-05 GW

Collected by
Ryan Wallen

Collected date/time
01/20/24 12:00

Received date/time
01/24/24 10:00

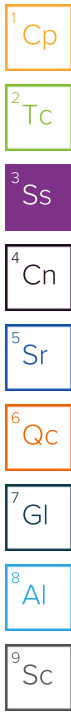
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:18	01/25/24 11:18	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:42	01/25/24 14:42	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:45	01/25/24 01:45	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:30	01/24/24 20:30	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:40	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/24/24 23:37	01/24/24 23:37	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/24/24 23:49	01/24/24 23:49	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2211807	1	01/24/24 17:17	01/25/24 22:58	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:23	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 16:13	01/25/24 16:13	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 20:24	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 13:48	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 13:48	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 18:48	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 16:17	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-22 L1698390-06 GW

Collected by: Ryan Wallen
 Collected date/time: 01/21/24 10:40
 Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:21	01/25/24 11:21	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:43	01/25/24 14:43	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	5	01/25/24 01:47	01/25/24 01:47	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/24/24 23:51	01/24/24 23:51	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 01:33	01/25/24 01:33	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:26	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2212756	1	01/25/24 03:12	01/25/24 03:12	ACG	Mt. Juliet, TN



MW-23 L1698390-07 GW

Collected by: Ryan Wallen
 Collected date/time: 01/21/24 11:10
 Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:26	01/25/24 11:26	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:45	01/25/24 14:45	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:49	01/25/24 01:49	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 00:31	01/25/24 00:31	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 01:51	01/25/24 01:51	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 08:54	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2212756	1	01/25/24 03:31	01/25/24 03:31	ACG	Mt. Juliet, TN

MW-24 L1698390-08 GW

Collected by: Ryan Wallen
 Collected date/time: 01/21/24 11:44
 Received date/time: 01/24/24 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:31	01/25/24 11:31	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:46	01/25/24 14:46	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:51	01/25/24 01:51	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 00:45	01/25/24 00:45	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 02:09	01/25/24 02:09	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:29	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2212756	1	01/25/24 03:50	01/25/24 03:50	ACG	Mt. Juliet, TN

FB 2 L1698390-09 GW

Collected by: Ryan Wallen
 Collected date/time: 01/21/24 10:40
 Received date/time: 01/24/24 10:00

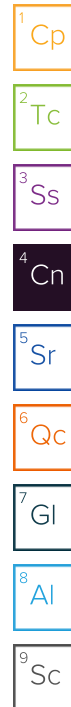
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212875	1	01/25/24 11:52	01/25/24 11:52	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212496	1	01/25/24 14:48	01/25/24 14:48	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:53	01/25/24 01:53	CAT	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 00:58	01/25/24 00:58	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 02:21	01/25/24 02:21	SJF	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:32	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2212756	1	01/25/24 00:59	01/25/24 00:59	ACG	Mt. Juliet, TN

CASE NARRATIVE

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



Stacy Kennedy
Project Manager



Project Comments

L1698390-01 through -05 method 8270: p-Phenylenediamine is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

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

Wet Chemistry by Method 9012B

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

Batch	Lab Sample ID	Analytes
WG2212469	(MS) R4026245-5, (MSD) R4026245-6	Cyanide

Metals (ICP) by Method 6010B

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG2212911	L1698390-07	Sodium, Total Recoverable

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2212848	(LCS) R4028382-2	2,4-D
WG2212848	(LCSD) R4028382-3	2,4,5-T and 2,4-D
WG2214020	(LCS) R4028384-2	2,4-D
WG2214020	(MS) R4028384-3	2,4,5-T, 2,4,5-Tp (Silvex) and 2,4-D
WG2214020	(MSD) R4028384-4	2,4-D

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

Batch	Lab Sample ID	Analytes
WG2212848	(LCS) R4028382-2, (LCSD) R4028382-3, L1698390-03, 04, 05	2,4,5-T and 2,4-D
WG2214020	(LCS) R4028384-2	2,4,5-T and 2,4-D

CASE NARRATIVE

Chlorinated Acid Herbicides (GC) by Method 8151

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

Batch	Lab Sample ID	Analytes
WG2214020	L1698390-01, 02	2,4,5-T and 2,4-D

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

Batch	Lab Sample ID	Analytes
WG2214020	(MS) R4028384-3, (MSD) R4028384-4	2,4,5-T and 2,4-D

Pesticides (GC) by Method 8081

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2212745	(LCSD) R4027411-3	Endrin aldehyde

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

Batch	Lab Sample ID	Analytes
WG2212745	(LCSD) R4027411-3, L1698390-01, 02, 03, 04, 05	4,4-DDE, Endosulfan I, Endosulfan II and Endrin aldehyde

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

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

Batch	Lab Sample ID	Analytes
WG2212749	(LCS) R4028000-1, L1698390-01, 02, 03, 04, 05	1,4-Naphthoquinone and p-Phenylenediamine

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

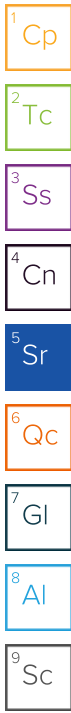
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.42	su
Specific Conductance (on site)	744	umhos/cm
Temperature (on-site)	8.5	Deg. C
Turbidity (on-site)	6.8	NTU
Dissolved Oxygen (on-site)	2.8	mg/l
eH/ORP (On Site)	20.9	mV
Depth to water (DTW) (FROM TOC)	72.1	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	415		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	386		10.0	1	01/25/2024 10:04	WG2212875
Alkalinity,Bicarbonate	386		10.0	1	01/25/2024 10:04	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 10:04	WG2212875

Sample Narrative:

L1698390-01 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.191		0.100	1	01/25/2024 14:31	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/25/2024 01:18	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:29	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:33	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	22.1		3.00	1	01/25/2024 06:10	WG2212114
Sulfate	6.03		5.00	1	01/25/2024 06:10	WG2212114

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	2.05		1.00	1	01/24/2024 22:51	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/25/2024 22:49	WG2211807

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	01/26/2024 09:05	WG2212911
Barium, Total Recoverable	0.102		0.00500	1	01/26/2024 09:05	WG2212911
Calcium, Total Recoverable	139		0.200	1	01/26/2024 09:05	WG2212911
Iron, Total Recoverable	0.442		0.0600	1	01/26/2024 09:05	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:05	WG2212911
Magnesium, Total Recoverable	3.32		0.200	1	01/26/2024 09:05	WG2212911
Manganese, Total Recoverable	8.81		0.00300	1	01/26/2024 09:05	WG2212911
Sodium, Total Recoverable	14.6		5.00	1	01/26/2024 09:05	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:05	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:05	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:05	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:26	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:26	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 21:26	WG2212918
Cobalt, Total Recoverable	0.00360		0.00300	1	01/31/2024 21:26	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:26	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:26	WG2212918
Nickel, Total Recoverable	0.0392		0.00400	1	01/31/2024 21:26	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:26	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:26	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:26	WG2212918
Zinc, Total Recoverable	0.0224	J	0.00500	1	01/31/2024 21:26	WG2212918

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 14:51	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 14:51	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 14:51	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 14:51	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 14:51	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 14:51	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 14:51	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 14:51	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 14:51	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 14:51	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 14:51	WG2213180
Acetone	ND		11.3	1	01/25/2024 14:51	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 14:51	WG2213180
Acrolein	ND		20.0	1	01/25/2024 14:51	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 14:51	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 14:51	WG2213180
Benzene	ND		1.00	1	01/25/2024 14:51	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Bromoform	ND		1.00	1	01/25/2024 14:51	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 14:51	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 14:51	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 14:51	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Chloroform	ND		1.00	1	01/25/2024 14:51	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 14:51	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 14:51	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 14:51	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 14:51	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Isobutanol	ND		110	1	01/25/2024 14:51	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 14:51	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 14:51	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 14:51	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 14:51	WG2213180
Styrene	ND		1.00	1	01/25/2024 14:51	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 14:51	WG2213180
Toluene	ND		1.00	1	01/25/2024 14:51	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 14:51	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 14:51	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 14:51	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 14:51	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 14:51	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 14:51	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 14:51	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 14:51	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 14:51	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 14:51	WG2213180
(S) Toluene-d8	96.6			80.0-120	01/25/2024 14:51	WG2213180
(S) 1,2-Dichloroethane-d4	90.0			70.0-130	01/25/2024 14:51	WG2213180
(S) 4-Bromofluorobenzene	101			77.0-126	01/25/2024 14:51	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/31/2024 03:47	WG2214020
2,4,5-Tp (Silvex)	ND		1.00	1	01/31/2024 03:47	WG2214020
2,4-D	ND	J4	4.00	1	01/31/2024 03:47	WG2214020
(S) 2,4-Dichlorophenyl Acetic Acid	109			14.0-158	01/31/2024 03:47	WG2214020

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 13:13	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 13:13	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 13:13	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 13:13	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 13:13	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 13:13	WG2212745
Chlordane	ND		0.500	1	01/27/2024 13:13	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 13:13	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 13:13	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 13:13	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 13:13	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 13:13	WG2212745
Endrin	ND		0.0500	1	01/27/2024 13:13	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 13:13	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 13:13	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 13:13	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 13:13	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 13:13	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 13:13	WG2212745
(S) Decachlorobiphenyl	59.9			10.0-128	01/27/2024 13:13	WG2212745
(S) Tetrachloro-m-xylene	53.8			10.0-127	01/27/2024 13:13	WG2212745

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 13:13	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 13:13	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 13:13	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 13:13	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 13:13	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 13:13	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 13:13	WG2212745
(S) Decachlorobiphenyl	70.4			10.0-128	01/27/2024 13:13	WG2212745
(S) Tetrachloro-m-xylene	57.9			10.0-127	01/27/2024 13:13	WG2212745

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 17:42	WG2212749
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 17:42	WG2212749
1,3,5-Trinitrobenzene	ND		50.0	1	01/30/2024 15:25	WG2212749
1,3-Dinitrobenzene	ND		10.0	1	01/30/2024 15:25	WG2212749
1,4-Naphthoquinone	ND	J4	50.0	1	01/30/2024 15:25	WG2212749
1-Naphthylamine	ND		10.0	1	01/30/2024 15:25	WG2212749
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 17:42	WG2212749
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 17:42	WG2212749

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 17:42	WG2212749
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 17:42	WG2212749
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 17:42	WG2212749
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 17:42	WG2212749
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 17:42	WG2212749
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 17:42	WG2212749
2,6-Dichlorophenol	ND		10.0	1	01/30/2024 15:25	WG2212749
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 17:42	WG2212749
2-Acetylaminofluorene	ND		100	1	01/30/2024 15:25	WG2212749
2-Chloronaphthalene	ND		10.0	1	01/28/2024 17:42	WG2212749
2-Chlorophenol	ND		10.0	1	01/28/2024 17:42	WG2212749
2-Methylnaphthalene	ND		10.0	1	01/28/2024 17:42	WG2212749
2-Methylphenol	ND		10.0	1	01/28/2024 17:42	WG2212749
2-Naphthylamine	ND		10.0	1	01/30/2024 15:25	WG2212749
2-Nitroaniline	ND		50.0	1	01/28/2024 17:42	WG2212749
2-Nitrophenol	ND		10.0	1	01/28/2024 17:42	WG2212749
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 17:42	WG2212749
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 17:42	WG2212749
3,3-Dimethylbenzidine	ND		20.0	1	01/30/2024 15:25	WG2212749
3-Methylcholanthrene	ND		20.0	1	01/30/2024 15:25	WG2212749
3-Nitroaniline	ND		50.0	1	01/28/2024 17:42	WG2212749
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 17:42	WG2212749
4-Aminobiphenyl	ND		10.0	1	01/30/2024 15:25	WG2212749
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 17:42	WG2212749
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 17:42	WG2212749
4-Chloroaniline	ND		10.0	1	01/28/2024 17:42	WG2212749
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 17:42	WG2212749
4-Nitroaniline	ND		50.0	1	01/28/2024 17:42	WG2212749
4-Nitrophenol	ND		50.0	1	01/28/2024 17:42	WG2212749
5-Nitro-o-toluidine	ND		20.0	1	01/30/2024 15:25	WG2212749
Acenaphthene	ND		10.0	1	01/28/2024 17:42	WG2212749
Acenaphthylene	ND		10.0	1	01/28/2024 17:42	WG2212749
Acetophenone	ND		10.0	1	01/28/2024 17:42	WG2212749
Anthracene	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzo(a)pyrene	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzyl Alcohol	ND		10.0	1	01/28/2024 17:42	WG2212749
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 17:42	WG2212749
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 17:42	WG2212749
Bis(2-chlorethoxy)methane	ND		10.0	1	01/28/2024 17:42	WG2212749
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 17:42	WG2212749
Chlorobenzilate	ND		10.0	1	01/30/2024 15:25	WG2212749
Chrysene	ND		10.0	1	01/28/2024 17:42	WG2212749
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 17:42	WG2212749
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 17:42	WG2212749
Diallate	ND		20.0	1	01/30/2024 15:25	WG2212749
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 17:42	WG2212749
Dibenzofuran	ND		10.0	1	01/28/2024 17:42	WG2212749
Diethyl phthalate	ND		10.0	1	01/28/2024 17:42	WG2212749
Dimethoate	ND		20.0	1	01/30/2024 15:25	WG2212749
Dimethyl phthalate	ND		10.0	1	01/28/2024 17:42	WG2212749
Dimethylbenz (A) Anthracene	ND		20.0	1	01/30/2024 15:25	WG2212749
Dinoseb	ND		17.9	1	01/30/2024 15:25	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 17:42	WG2212749
Disulfoton	ND		50.0	1	01/30/2024 15:25	WG2212749
Ethyl methanesulfonate	ND		10.0	1	01/30/2024 15:25	WG2212749
Ethyl parathion	ND		50.0	1	01/30/2024 15:25	WG2212749
Famphur	ND		200	1	01/30/2024 15:25	WG2212749
Fluoranthene	ND		1.00	1	01/28/2024 17:42	WG2212749
Fluorene	ND		10.0	1	01/28/2024 17:42	WG2212749
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 17:42	WG2212749
Hexachlorobenzene	ND		10.0	1	01/28/2024 17:42	WG2212749
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 17:42	WG2212749
Hexachloroethane	ND		10.0	1	01/28/2024 17:42	WG2212749
Hexachloropropene	ND		100	1	01/30/2024 15:25	WG2212749
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 17:42	WG2212749
Isodrin	ND		10.0	1	01/30/2024 15:25	WG2212749
Isophorone	ND		10.0	1	01/28/2024 17:42	WG2212749
Isosafrole	ND		20.0	1	01/30/2024 15:25	WG2212749
Kepone	ND		1.88	1	01/30/2024 15:25	WG2212749
Methapyrilene	ND		50.0	1	01/30/2024 15:25	WG2212749
Methyl methanesulfonate	ND		50.0	1	01/30/2024 15:25	WG2212749
Methyl parathion	ND		10.0	1	01/30/2024 15:25	WG2212749
Naphthalene	ND		10.0	1	01/28/2024 17:42	WG2212749
Nitrobenzene	ND		10.0	1	01/28/2024 17:42	WG2212749
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/30/2024 15:25	WG2212749
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/30/2024 15:25	WG2212749
Pentachlorobenzene	ND		10.0	1	01/30/2024 15:25	WG2212749
Pentachloronitrobenzene	ND		50.0	1	01/30/2024 15:25	WG2212749
Pentachlorophenol	ND		50.0	1	01/28/2024 17:42	WG2212749
Phenacetin	ND		10.0	1	01/30/2024 15:25	WG2212749
Phenanthrene	ND		20.0	1	01/28/2024 17:42	WG2212749
Phenol	ND		10.0	1	01/28/2024 17:42	WG2212749
Phorate	ND		50.0	1	01/30/2024 15:25	WG2212749
Pronamide	ND		20.0	1	01/30/2024 15:25	WG2212749
Pyrene	ND		10.0	1	01/28/2024 17:42	WG2212749
Safrole	ND		50.0	1	01/30/2024 15:25	WG2212749
Thionazin	ND		10.0	1	01/30/2024 15:25	WG2212749
n-Nitrosodi-n-butylamine	ND		10.0	1	01/30/2024 15:25	WG2212749
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 17:42	WG2212749
n-Nitrosodiethylamine	ND		10.0	1	01/30/2024 15:25	WG2212749
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 17:42	WG2212749
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 17:42	WG2212749
n-Nitrosomethylethylamine	ND		10.0	1	01/30/2024 15:25	WG2212749
n-Nitrosopiperidine	ND		10.0	1	01/30/2024 15:25	WG2212749
n-Nitrosopyrrolidine	ND		10.0	1	01/30/2024 15:25	WG2212749
o-Toluidine	ND		10.0	1	01/30/2024 15:25	WG2212749
p-Phenylenediamine	ND	J4	387	1	01/30/2024 15:25	WG2212749
(S) 2-Fluorophenol	23.3			10.0-120	01/28/2024 17:42	WG2212749
(S) 2,4,6-Tribromophenol	56.8			10.0-155	01/28/2024 17:42	WG2212749
(S) p-Terphenyl-d14	60.1			10.0-128	01/28/2024 17:42	WG2212749
(S) Phenol-d5	14.3			10.0-120	01/28/2024 17:42	WG2212749
(S) 2-Fluorobiphenyl	43.8			10.0-130	01/28/2024 17:42	WG2212749
(S) Nitrobenzene-d5	43.1			10.0-127	01/28/2024 17:42	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	6.49	su
Specific Conductance (on site)	747	umhos/cm
Temperature (on-site)	13.8	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	0.9	mg/l
eH/ORP (On Site)	60.3	mV
Depth to water (DTW) (FROM TOC)	11.1	ft

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	395		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	365		10.0	1	01/25/2024 11:00	WG2212875
Alkalinity,Bicarbonate	365		10.0	1	01/25/2024 11:00	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:00	WG2212875

Sample Narrative:

L1698390-02 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 14:33	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.649		0.100	1	01/25/2024 01:27	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:29	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:34	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	22.8		3.00	1	01/24/2024 22:19	WG2212425
Sulfate	ND		5.00	1	01/24/2024 22:19	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.29		1.00	1	01/24/2024 23:04	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	0.000203		0.000200	1	01/25/2024 22:51	WG2211807

Metals (ICP) by Method 6010B

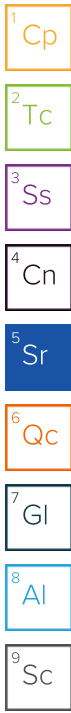
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	01/26/2024 09:08	WG2212911
Barium, Total Recoverable	0.0867		0.00500	1	01/26/2024 09:08	WG2212911
Calcium, Total Recoverable	146		0.200	1	01/26/2024 09:08	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 09:08	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:08	WG2212911
Magnesium, Total Recoverable	3.29		0.200	1	01/26/2024 09:08	WG2212911
Manganese, Total Recoverable	0.154		0.00300	1	01/26/2024 09:08	WG2212911
Sodium, Total Recoverable	9.96		5.00	1	01/26/2024 09:08	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:08	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:08	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:08	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:29	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:29	WG2212918
Cadmium, Total Recoverable	0.00168		0.00100	1	01/31/2024 21:29	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 21:29	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:29	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:29	WG2212918
Nickel, Total Recoverable	0.0121		0.00400	1	01/31/2024 21:29	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:29	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:29	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:29	WG2212918
Zinc, Total Recoverable	0.0311		0.00500	1	01/31/2024 21:29	WG2212918

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 15:11	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 15:11	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 15:11	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 15:11	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 15:11	WG2213180



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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 15:11	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 15:11	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 15:11	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 15:11	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 15:11	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 15:11	WG2213180
Acetone	ND		11.3	1	01/25/2024 15:11	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 15:11	WG2213180
Acrolein	ND		20.0	1	01/25/2024 15:11	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 15:11	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 15:11	WG2213180
Benzene	ND		1.00	1	01/25/2024 15:11	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Bromoform	ND		1.00	1	01/25/2024 15:11	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 15:11	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 15:11	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 15:11	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Chloroform	ND		1.00	1	01/25/2024 15:11	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 15:11	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 15:11	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 15:11	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 15:11	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Isobutanol	ND		110	1	01/25/2024 15:11	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 15:11	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 15:11	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 15:11	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 15:11	WG2213180
Styrene	ND		1.00	1	01/25/2024 15:11	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 15:11	WG2213180
Toluene	ND		1.00	1	01/25/2024 15:11	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 15:11	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 15:11	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 15:11	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 15:11	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 15:11	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 15:11	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 15:11	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 15:11	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 15:11	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 15:11	WG2213180
(S) Toluene-d8	96.6			80.0-120	01/25/2024 15:11	WG2213180
(S) 1,2-Dichloroethane-d4	89.3			70.0-130	01/25/2024 15:11	WG2213180
(S) 4-Bromofluorobenzene	100			77.0-126	01/25/2024 15:11	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/31/2024 03:58	WG2214020
2,4,5-Tp (Silvex)	ND		1.00	1	01/31/2024 03:58	WG2214020
2,4-D	ND	J4	4.00	1	01/31/2024 03:58	WG2214020
(S) 2,4-Dichlorophenyl Acetic Acid	97.3			14.0-158	01/31/2024 03:58	WG2214020

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 13:22	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 13:22	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 13:22	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 13:22	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 13:22	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 13:22	WG2212745
Chlordane	ND		0.500	1	01/27/2024 13:22	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 13:22	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 13:22	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 13:22	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 13:22	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 13:22	WG2212745
Endrin	ND		0.0500	1	01/27/2024 13:22	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 13:22	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 13:22	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 13:22	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 13:22	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 13:22	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 13:22	WG2212745
(S) Decachlorobiphenyl	64.2			10.0-128	01/27/2024 13:22	WG2212745
(S) Tetrachloro-m-xylene	59.8			10.0-127	01/27/2024 13:22	WG2212745

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 13:22	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 13:22	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 13:22	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 13:22	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 13:22	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 13:22	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 13:22	WG2212745
(S) Decachlorobiphenyl	74.3			10.0-128	01/27/2024 13:22	WG2212745
(S) Tetrachloro-m-xylene	64.4			10.0-127	01/27/2024 13:22	WG2212745

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 18:04	WG2212749
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 18:04	WG2212749
1,3,5-Trinitrobenzene	ND		50.0	1	01/30/2024 15:43	WG2212749
1,3-Dinitrobenzene	ND		10.0	1	01/30/2024 15:43	WG2212749
1,4-Naphthoquinone	ND	J4	50.0	1	01/30/2024 15:43	WG2212749
1-Naphthylamine	ND		10.0	1	01/30/2024 15:43	WG2212749
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 18:04	WG2212749
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 18:04	WG2212749

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 18:04	WG2212749
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 18:04	WG2212749
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 18:04	WG2212749
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 18:04	WG2212749
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 18:04	WG2212749
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 18:04	WG2212749
2,6-Dichlorophenol	ND		10.0	1	01/30/2024 15:43	WG2212749
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 18:04	WG2212749
2-Acetylaminofluorene	ND		100	1	01/30/2024 15:43	WG2212749
2-Chloronaphthalene	ND		10.0	1	01/28/2024 18:04	WG2212749
2-Chlorophenol	ND		10.0	1	01/28/2024 18:04	WG2212749
2-Methylnaphthalene	ND		10.0	1	01/28/2024 18:04	WG2212749
2-Methylphenol	ND		10.0	1	01/28/2024 18:04	WG2212749
2-Naphthylamine	ND		10.0	1	01/30/2024 15:43	WG2212749
2-Nitroaniline	ND		50.0	1	01/28/2024 18:04	WG2212749
2-Nitrophenol	ND		10.0	1	01/28/2024 18:04	WG2212749
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 18:04	WG2212749
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 18:04	WG2212749
3,3-Dimethylbenzidine	ND		20.0	1	01/30/2024 15:43	WG2212749
3-Methylcholanthrene	ND		20.0	1	01/30/2024 15:43	WG2212749
3-Nitroaniline	ND		50.0	1	01/28/2024 18:04	WG2212749
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 18:04	WG2212749
4-Aminobiphenyl	ND		10.0	1	01/30/2024 15:43	WG2212749
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 18:04	WG2212749
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 18:04	WG2212749
4-Chloroaniline	ND		10.0	1	01/28/2024 18:04	WG2212749
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 18:04	WG2212749
4-Nitroaniline	ND		50.0	1	01/28/2024 18:04	WG2212749
4-Nitrophenol	ND		50.0	1	01/28/2024 18:04	WG2212749
5-Nitro-o-toluidine	ND		20.0	1	01/30/2024 15:43	WG2212749
Acenaphthene	ND		10.0	1	01/28/2024 18:04	WG2212749
Acenaphthylene	ND		10.0	1	01/28/2024 18:04	WG2212749
Acetophenone	ND		10.0	1	01/28/2024 18:04	WG2212749
Anthracene	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzo(a)pyrene	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzyl Alcohol	ND		10.0	1	01/28/2024 18:04	WG2212749
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 18:04	WG2212749
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 18:04	WG2212749
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 18:04	WG2212749
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 18:04	WG2212749
Chlorobenzilate	ND		10.0	1	01/30/2024 15:43	WG2212749
Chrysene	ND		10.0	1	01/28/2024 18:04	WG2212749
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 18:04	WG2212749
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 18:04	WG2212749
Diallate	ND		20.0	1	01/30/2024 15:43	WG2212749
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 18:04	WG2212749
Dibenzofuran	ND		10.0	1	01/28/2024 18:04	WG2212749
Diethyl phthalate	ND		10.0	1	01/28/2024 18:04	WG2212749
Dimethoate	ND		20.0	1	01/30/2024 15:43	WG2212749
Dimethyl phthalate	ND		10.0	1	01/28/2024 18:04	WG2212749
Dimethylbenz (A) Anthracene	ND		20.0	1	01/30/2024 15:43	WG2212749
Dinoseb	ND		17.9	1	01/30/2024 15:43	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 18:04	WG2212749
Disulfoton	ND		50.0	1	01/30/2024 15:43	WG2212749
Ethyl methanesulfonate	ND		10.0	1	01/30/2024 15:43	WG2212749
Ethyl parathion	ND		50.0	1	01/30/2024 15:43	WG2212749
Famphur	ND		200	1	01/30/2024 15:43	WG2212749
Fluoranthene	ND		1.00	1	01/28/2024 18:04	WG2212749
Fluorene	ND		10.0	1	01/28/2024 18:04	WG2212749
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 18:04	WG2212749
Hexachlorobenzene	ND		10.0	1	01/28/2024 18:04	WG2212749
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 18:04	WG2212749
Hexachloroethane	ND		10.0	1	01/28/2024 18:04	WG2212749
Hexachloropropene	ND		100	1	01/30/2024 15:43	WG2212749
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 18:04	WG2212749
Isodrin	ND		10.0	1	01/30/2024 15:43	WG2212749
Isophorone	ND		10.0	1	01/28/2024 18:04	WG2212749
Isosafrole	ND		20.0	1	01/30/2024 15:43	WG2212749
Kepone	ND		1.88	1	01/30/2024 15:43	WG2212749
Methapyrilene	ND		50.0	1	01/30/2024 15:43	WG2212749
Methyl methanesulfonate	ND		50.0	1	01/30/2024 15:43	WG2212749
Methyl parathion	ND		10.0	1	01/30/2024 15:43	WG2212749
Naphthalene	ND		10.0	1	01/28/2024 18:04	WG2212749
Nitrobenzene	ND		10.0	1	01/28/2024 18:04	WG2212749
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/30/2024 15:43	WG2212749
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/30/2024 15:43	WG2212749
Pentachlorobenzene	ND		10.0	1	01/30/2024 15:43	WG2212749
Pentachloronitrobenzene	ND		50.0	1	01/30/2024 15:43	WG2212749
Pentachlorophenol	ND		50.0	1	01/28/2024 18:04	WG2212749
Phenacetin	ND		10.0	1	01/30/2024 15:43	WG2212749
Phenanthrene	ND		20.0	1	01/28/2024 18:04	WG2212749
Phenol	ND		10.0	1	01/28/2024 18:04	WG2212749
Phorate	ND		50.0	1	01/30/2024 15:43	WG2212749
Pronamide	ND		20.0	1	01/30/2024 15:43	WG2212749
Pyrene	ND		10.0	1	01/28/2024 18:04	WG2212749
Safrole	ND		50.0	1	01/30/2024 15:43	WG2212749
Thionazin	ND		10.0	1	01/30/2024 15:43	WG2212749
n-Nitrosodi-n-butylamine	ND		10.0	1	01/30/2024 15:43	WG2212749
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 18:04	WG2212749
n-Nitrosodiethylamine	ND		10.0	1	01/30/2024 15:43	WG2212749
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 18:04	WG2212749
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 18:04	WG2212749
n-Nitrosomethylethylamine	ND		10.0	1	01/30/2024 15:43	WG2212749
n-Nitrosopiperidine	ND		10.0	1	01/30/2024 15:43	WG2212749
n-Nitrosopyrrolidine	ND		10.0	1	01/30/2024 15:43	WG2212749
o-Toluidine	ND		10.0	1	01/30/2024 15:43	WG2212749
p-Phenylenediamine	ND	J4	387	1	01/30/2024 15:43	WG2212749
(S) 2-Fluorophenol	29.4			10.0-120	01/28/2024 18:04	WG2212749
(S) 2,4,6-Tribromophenol	56.3			10.0-155	01/28/2024 18:04	WG2212749
(S) p-Terphenyl-d14	63.6			10.0-128	01/28/2024 18:04	WG2212749
(S) Phenol-d5	17.2			10.0-120	01/28/2024 18:04	WG2212749
(S) 2-Fluorobiphenyl	43.3			10.0-130	01/28/2024 18:04	WG2212749
(S) Nitrobenzene-d5	42.2			10.0-127	01/28/2024 18:04	WG2212749

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

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

Analyte	Result	Units
pH (On Site)	6.38	su
Specific Conductance (on site)	564	umhos/cm
Temperature (on-site)	10.1	Deg. C
Turbidity (on-site)	3.8	NTU
Dissolved Oxygen (on-site)	0.6	mg/l
eH/ORP (On Site)	64.7	mV
Depth to water (DTW) (FROM TOC)	48.57	ft

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	307		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	286		10.0	1	01/25/2024 11:06	WG2212875
Alkalinity,Bicarbonate	286		10.0	1	01/25/2024 11:06	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:06	WG2212875

Sample Narrative:

L1698390-03 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 14:39	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.825		0.100	1	01/25/2024 01:29	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:29	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:36	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	5.60		3.00	1	01/24/2024 23:10	WG2212425
Sulfate	12.8		5.00	1	01/24/2024 23:10	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.93		1.00	1	01/24/2024 23:19	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/25/2024 22:53	WG2211807

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	01/26/2024 09:11	WG2212911
Barium, Total Recoverable	0.112		0.00500	1	01/26/2024 09:11	WG2212911
Calcium, Total Recoverable	110		0.200	1	01/26/2024 09:11	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 09:11	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:11	WG2212911
Magnesium, Total Recoverable	3.46		0.200	1	01/26/2024 09:11	WG2212911
Manganese, Total Recoverable	2.46		0.00300	1	01/26/2024 09:11	WG2212911
Sodium, Total Recoverable	ND		5.00	1	01/26/2024 09:11	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:11	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:11	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:11	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:33	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:33	WG2212918
Cadmium, Total Recoverable	0.0289		0.00100	1	01/31/2024 21:33	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 21:33	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:33	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:33	WG2212918
Nickel, Total Recoverable	0.0865		0.00400	1	01/31/2024 21:33	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:33	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:33	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:33	WG2212918
Zinc, Total Recoverable	0.131		0.00500	1	01/31/2024 21:33	WG2212918

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 15:32	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 15:32	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 15:32	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 15:32	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 15:32	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 15:32	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 15:32	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 15:32	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 15:32	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 15:32	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 15:32	WG2213180
Acetone	ND		11.3	1	01/25/2024 15:32	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 15:32	WG2213180
Acrolein	ND		20.0	1	01/25/2024 15:32	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 15:32	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 15:32	WG2213180
Benzene	ND		1.00	1	01/25/2024 15:32	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Bromoform	ND		1.00	1	01/25/2024 15:32	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 15:32	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 15:32	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 15:32	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Chloroform	ND		1.00	1	01/25/2024 15:32	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 15:32	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 15:32	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 15:32	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 15:32	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Isobutanol	ND		110	1	01/25/2024 15:32	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 15:32	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 15:32	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 15:32	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 15:32	WG2213180
Styrene	ND		1.00	1	01/25/2024 15:32	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 15:32	WG2213180
Toluene	ND		1.00	1	01/25/2024 15:32	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 15:32	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 15:32	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 15:32	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 15:32	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 15:32	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 15:32	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 15:32	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 15:32	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 15:32	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 15:32	WG2213180
(S) Toluene-d8	97.9			80.0-120	01/25/2024 15:32	WG2213180
(S) 1,2-Dichloroethane-d4	90.9			70.0-130	01/25/2024 15:32	WG2213180
(S) 4-Bromofluorobenzene	98.1			77.0-126	01/25/2024 15:32	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 20:01	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 20:01	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 20:01	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	106			14.0-158	01/30/2024 20:01	WG2212848

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 13:30	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 13:30	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 13:30	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 13:30	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 13:30	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 13:30	WG2212745
Chlordane	ND		0.500	1	01/27/2024 13:30	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 13:30	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 13:30	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 13:30	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 13:30	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 13:30	WG2212745
Endrin	ND		0.0500	1	01/27/2024 13:30	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 13:30	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 13:30	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 13:30	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 13:30	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 13:30	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 13:30	WG2212745
(S) Decachlorobiphenyl	57.9			10.0-128	01/27/2024 13:30	WG2212745
(S) Tetrachloro-m-xylene	47.8			10.0-127	01/27/2024 13:30	WG2212745

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 13:30	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 13:30	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 13:30	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 13:30	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 13:30	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 13:30	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 13:30	WG2212745
(S) Decachlorobiphenyl	70.5			10.0-128	01/27/2024 13:30	WG2212745
(S) Tetrachloro-m-xylene	51.0			10.0-127	01/27/2024 13:30	WG2212745

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 18:25	WG2212749
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 18:25	WG2212749
1,3,5-Trinitrobenzene	ND		50.0	1	01/30/2024 16:00	WG2212749
1,3-Dinitrobenzene	ND		10.0	1	01/30/2024 16:00	WG2212749
1,4-Naphthoquinone	ND	J4	50.0	1	01/30/2024 16:00	WG2212749
1-Naphthylamine	ND		10.0	1	01/30/2024 16:00	WG2212749
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 18:25	WG2212749
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 18:25	WG2212749

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 18:25	WG2212749
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 18:25	WG2212749
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 18:25	WG2212749
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 18:25	WG2212749
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 18:25	WG2212749
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 18:25	WG2212749
2,6-Dichlorophenol	ND		10.0	1	01/30/2024 16:00	WG2212749
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 18:25	WG2212749
2-Acetylaminofluorene	ND		100	1	01/30/2024 16:00	WG2212749
2-Chloronaphthalene	ND		10.0	1	01/28/2024 18:25	WG2212749
2-Chlorophenol	ND		10.0	1	01/28/2024 18:25	WG2212749
2-Methylnaphthalene	ND		10.0	1	01/28/2024 18:25	WG2212749
2-Methylphenol	ND		10.0	1	01/28/2024 18:25	WG2212749
2-Naphthylamine	ND		10.0	1	01/30/2024 16:00	WG2212749
2-Nitroaniline	ND		50.0	1	01/28/2024 18:25	WG2212749
2-Nitrophenol	ND		10.0	1	01/28/2024 18:25	WG2212749
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 18:25	WG2212749
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 18:25	WG2212749
3,3-Dimethylbenzidine	ND		20.0	1	01/30/2024 16:00	WG2212749
3-Methylcholanthrene	ND		20.0	1	01/30/2024 16:00	WG2212749
3-Nitroaniline	ND		50.0	1	01/28/2024 18:25	WG2212749
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 18:25	WG2212749
4-Aminobiphenyl	ND		10.0	1	01/30/2024 16:00	WG2212749
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 18:25	WG2212749
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 18:25	WG2212749
4-Chloroaniline	ND		10.0	1	01/28/2024 18:25	WG2212749
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 18:25	WG2212749
4-Nitroaniline	ND		50.0	1	01/28/2024 18:25	WG2212749
4-Nitrophenol	ND		50.0	1	01/28/2024 18:25	WG2212749
5-Nitro-o-toluidine	ND		20.0	1	01/30/2024 16:00	WG2212749
Acenaphthene	ND		10.0	1	01/28/2024 18:25	WG2212749
Acenaphthylene	ND		10.0	1	01/28/2024 18:25	WG2212749
Acetophenone	ND		10.0	1	01/28/2024 18:25	WG2212749
Anthracene	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzo(a)pyrene	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzyl Alcohol	ND		10.0	1	01/28/2024 18:25	WG2212749
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 18:25	WG2212749
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 18:25	WG2212749
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 18:25	WG2212749
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 18:25	WG2212749
Chlorobenzilate	ND		10.0	1	01/30/2024 16:00	WG2212749
Chrysene	ND		10.0	1	01/28/2024 18:25	WG2212749
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 18:25	WG2212749
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 18:25	WG2212749
Diallate	ND		20.0	1	01/30/2024 16:00	WG2212749
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 18:25	WG2212749
Dibenzofuran	ND		10.0	1	01/28/2024 18:25	WG2212749
Diethyl phthalate	ND		10.0	1	01/28/2024 18:25	WG2212749
Dimethoate	ND		20.0	1	01/30/2024 16:00	WG2212749
Dimethyl phthalate	ND		10.0	1	01/28/2024 18:25	WG2212749
Dimethylbenz (A) Anthracene	ND		20.0	1	01/30/2024 16:00	WG2212749
Dinoseb	ND		17.9	1	01/30/2024 16:00	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 18:25	WG2212749
Disulfoton	ND		50.0	1	01/30/2024 16:00	WG2212749
Ethyl methanesulfonate	ND		10.0	1	01/30/2024 16:00	WG2212749
Ethyl parathion	ND		50.0	1	01/30/2024 16:00	WG2212749
Famphur	ND		200	1	01/30/2024 16:00	WG2212749
Fluoranthene	ND		1.00	1	01/28/2024 18:25	WG2212749
Fluorene	ND		10.0	1	01/28/2024 18:25	WG2212749
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 18:25	WG2212749
Hexachlorobenzene	ND		10.0	1	01/28/2024 18:25	WG2212749
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 18:25	WG2212749
Hexachloroethane	ND		10.0	1	01/28/2024 18:25	WG2212749
Hexachloropropene	ND		100	1	01/30/2024 16:00	WG2212749
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 18:25	WG2212749
Isodrin	ND		10.0	1	01/30/2024 16:00	WG2212749
Isophorone	ND		10.0	1	01/28/2024 18:25	WG2212749
Isosafrole	ND		20.0	1	01/30/2024 16:00	WG2212749
Kepone	ND		1.88	1	01/30/2024 16:00	WG2212749
Methapyrilene	ND		50.0	1	01/30/2024 16:00	WG2212749
Methyl methanesulfonate	ND		50.0	1	01/30/2024 16:00	WG2212749
Methyl parathion	ND		10.0	1	01/30/2024 16:00	WG2212749
Naphthalene	ND		10.0	1	01/28/2024 18:25	WG2212749
Nitrobenzene	ND		10.0	1	01/28/2024 18:25	WG2212749
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/30/2024 16:00	WG2212749
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/30/2024 16:00	WG2212749
Pentachlorobenzene	ND		10.0	1	01/30/2024 16:00	WG2212749
Pentachloronitrobenzene	ND		50.0	1	01/30/2024 16:00	WG2212749
Pentachlorophenol	ND		50.0	1	01/28/2024 18:25	WG2212749
Phenacetin	ND		10.0	1	01/30/2024 16:00	WG2212749
Phenanthrene	ND		20.0	1	01/28/2024 18:25	WG2212749
Phenol	ND		10.0	1	01/28/2024 18:25	WG2212749
Phorate	ND		50.0	1	01/30/2024 16:00	WG2212749
Pronamide	ND		20.0	1	01/30/2024 16:00	WG2212749
Pyrene	ND		10.0	1	01/28/2024 18:25	WG2212749
Safrole	ND		50.0	1	01/30/2024 16:00	WG2212749
Thionazin	ND		10.0	1	01/30/2024 16:00	WG2212749
n-Nitrosodi-n-butylamine	ND		10.0	1	01/30/2024 16:00	WG2212749
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 18:25	WG2212749
n-Nitrosodiethylamine	ND		10.0	1	01/30/2024 16:00	WG2212749
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 18:25	WG2212749
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 18:25	WG2212749
n-Nitrosomethylethylamine	ND		10.0	1	01/30/2024 16:00	WG2212749
n-Nitrosopiperidine	ND		10.0	1	01/30/2024 16:00	WG2212749
n-Nitrosopyrrolidine	ND		10.0	1	01/30/2024 16:00	WG2212749
o-Toluidine	ND		10.0	1	01/30/2024 16:00	WG2212749
p-Phenylenediamine	ND	J4	387	1	01/30/2024 16:00	WG2212749
(S) 2-Fluorophenol	25.4			10.0-120	01/28/2024 18:25	WG2212749
(S) 2,4,6-Tribromophenol	49.5			10.0-155	01/28/2024 18:25	WG2212749
(S) p-Terphenyl-d14	49.9			10.0-128	01/28/2024 18:25	WG2212749
(S) Phenol-d5	14.9			10.0-120	01/28/2024 18:25	WG2212749
(S) 2-Fluorobiphenyl	41.1			10.0-130	01/28/2024 18:25	WG2212749
(S) Nitrobenzene-d5	40.3			10.0-127	01/28/2024 18:25	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

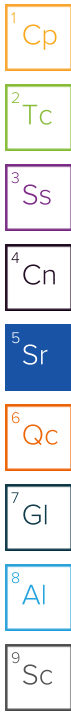
7 Gl

8 Al

9 Sc

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

Analyte	Result	Units
pH (On Site)	7.35	su
Specific Conductance (on site)	472	umhos/cm
Temperature (on-site)	11.8	Deg. C
Turbidity (on-site)	4	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	-141.8	mV
Depth to water (DTW) (FROM TOC)	31.52	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	244		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	252		10.0	1	01/25/2024 11:11	WG2212875
Alkalinity,Bicarbonate	252		10.0	1	01/25/2024 11:11	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:11	WG2212875

Sample Narrative:

L1698390-04 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.236		0.100	1	01/25/2024 14:40	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/25/2024 01:31	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:29	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:39	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	4.83		3.00	1	01/24/2024 23:23	WG2212425
Sulfate	ND		5.00	1	01/24/2024 23:23	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	4.42		1.00	1	01/24/2024 23:35	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/25/2024 22:56	WG2211807

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	01/26/2024 10:12	WG2212911
Barium, Total Recoverable	0.0307		0.00500	1	01/26/2024 10:12	WG2212911
Calcium, Total Recoverable	34.3		0.200	1	01/26/2024 10:12	WG2212911
Iron, Total Recoverable	0.775		0.0600	1	01/26/2024 10:12	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 10:12	WG2212911
Magnesium, Total Recoverable	10.2		0.200	1	01/26/2024 10:12	WG2212911
Manganese, Total Recoverable	0.0402		0.00300	1	01/26/2024 10:12	WG2212911
Sodium, Total Recoverable	52.7		5.00	1	01/26/2024 10:12	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 10:12	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 10:12	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 10:12	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:36	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:36	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 21:36	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 21:36	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:36	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:36	WG2212918
Nickel, Total Recoverable	ND		0.00400	1	01/31/2024 21:36	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:36	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:36	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:36	WG2212918
Zinc, Total Recoverable	ND		0.00500	1	01/31/2024 21:36	WG2212918

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 15:52	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 15:52	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 15:52	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 15:52	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 15:52	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 15:52	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 15:52	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 15:52	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 15:52	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 15:52	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 15:52	WG2213180
Acetone	ND		11.3	1	01/25/2024 15:52	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 15:52	WG2213180
Acrolein	ND		20.0	1	01/25/2024 15:52	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 15:52	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 15:52	WG2213180
Benzene	ND		1.00	1	01/25/2024 15:52	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Bromoform	ND		1.00	1	01/25/2024 15:52	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 15:52	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 15:52	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 15:52	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Chloroform	ND		1.00	1	01/25/2024 15:52	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 15:52	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 15:52	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 15:52	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 15:52	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Isobutanol	ND		110	1	01/25/2024 15:52	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 15:52	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 15:52	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 15:52	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 15:52	WG2213180
Styrene	ND		1.00	1	01/25/2024 15:52	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 15:52	WG2213180
Toluene	ND		1.00	1	01/25/2024 15:52	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 15:52	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 15:52	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 15:52	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 15:52	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 15:52	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 15:52	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 15:52	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 15:52	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 15:52	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 15:52	WG2213180
(S) Toluene-d8	98.3			80.0-120	01/25/2024 15:52	WG2213180
(S) 1,2-Dichloroethane-d4	90.7			70.0-130	01/25/2024 15:52	WG2213180
(S) 4-Bromofluorobenzene	97.8			77.0-126	01/25/2024 15:52	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 20:12	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 20:12	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 20:12	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	93.8			14.0-158	01/30/2024 20:12	WG2212848

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 13:39	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 13:39	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 13:39	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 13:39	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 13:39	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 13:39	WG2212745
Chlordane	ND		0.500	1	01/27/2024 13:39	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 13:39	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 13:39	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 13:39	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 13:39	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 13:39	WG2212745
Endrin	ND		0.0500	1	01/27/2024 13:39	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 13:39	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 13:39	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 13:39	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 13:39	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 13:39	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 13:39	WG2212745
(S) Decachlorobiphenyl	56.2			10.0-128	01/27/2024 13:39	WG2212745
(S) Tetrachloro-m-xylene	62.3			10.0-127	01/27/2024 13:39	WG2212745

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 13:39	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 13:39	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 13:39	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 13:39	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 13:39	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 13:39	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 13:39	WG2212745
(S) Decachlorobiphenyl	69.6			10.0-128	01/27/2024 13:39	WG2212745
(S) Tetrachloro-m-xylene	65.3			10.0-127	01/27/2024 13:39	WG2212745

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 21:21	WG2212749
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 21:21	WG2212749
1,3,5-Trinitrobenzene	ND		50.0	1	01/30/2024 17:28	WG2212749
1,3-Dinitrobenzene	ND		10.0	1	01/30/2024 17:28	WG2212749
1,4-Naphthoquinone	ND	J4	50.0	1	01/30/2024 17:28	WG2212749
1-Naphthylamine	ND		10.0	1	01/30/2024 17:28	WG2212749
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 21:21	WG2212749
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 21:21	WG2212749

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

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 21:21	WG2212749
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 21:21	WG2212749
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 21:21	WG2212749
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 21:21	WG2212749
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 21:21	WG2212749
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 21:21	WG2212749
2,6-Dichlorophenol	ND		10.0	1	01/30/2024 17:28	WG2212749
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 21:21	WG2212749
2-Acetylaminofluorene	ND		100	1	01/30/2024 17:28	WG2212749
2-Chloronaphthalene	ND		10.0	1	01/28/2024 21:21	WG2212749
2-Chlorophenol	ND		10.0	1	01/28/2024 21:21	WG2212749
2-Methylnaphthalene	ND		10.0	1	01/28/2024 21:21	WG2212749
2-Methylphenol	ND		10.0	1	01/28/2024 21:21	WG2212749
2-Naphthylamine	ND		10.0	1	01/30/2024 17:28	WG2212749
2-Nitroaniline	ND		50.0	1	01/28/2024 21:21	WG2212749
2-Nitrophenol	ND		10.0	1	01/28/2024 21:21	WG2212749
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 21:21	WG2212749
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 21:21	WG2212749
3,3-Dimethylbenzidine	ND		20.0	1	01/30/2024 17:28	WG2212749
3-Methylcholanthrene	ND		20.0	1	01/30/2024 17:28	WG2212749
3-Nitroaniline	ND		50.0	1	01/28/2024 21:21	WG2212749
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 21:21	WG2212749
4-Aminobiphenyl	ND		10.0	1	01/30/2024 17:28	WG2212749
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 21:21	WG2212749
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 21:21	WG2212749
4-Chloroaniline	ND		10.0	1	01/28/2024 21:21	WG2212749
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 21:21	WG2212749
4-Nitroaniline	ND		50.0	1	01/28/2024 21:21	WG2212749
4-Nitrophenol	ND		50.0	1	01/28/2024 21:21	WG2212749
5-Nitro-o-toluidine	ND		20.0	1	01/30/2024 17:28	WG2212749
Acenaphthene	ND		10.0	1	01/28/2024 21:21	WG2212749
Acenaphthylene	ND		10.0	1	01/28/2024 21:21	WG2212749
Acetophenone	ND		10.0	1	01/28/2024 21:21	WG2212749
Anthracene	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzo(a)pyrene	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzyl Alcohol	ND		10.0	1	01/28/2024 21:21	WG2212749
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 21:21	WG2212749
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 21:21	WG2212749
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 21:21	WG2212749
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 21:21	WG2212749
Chlorobenzilate	ND		10.0	1	01/30/2024 17:28	WG2212749
Chrysene	ND		10.0	1	01/28/2024 21:21	WG2212749
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 21:21	WG2212749
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 21:21	WG2212749
Diallate	ND		20.0	1	01/30/2024 17:28	WG2212749
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 21:21	WG2212749
Dibenzofuran	ND		10.0	1	01/28/2024 21:21	WG2212749
Diethyl phthalate	ND		10.0	1	01/28/2024 21:21	WG2212749
Dimethoate	ND		20.0	1	01/30/2024 17:28	WG2212749
Dimethyl phthalate	ND		10.0	1	01/28/2024 21:21	WG2212749
Dimethylbenz (A) Anthracene	ND		20.0	1	01/30/2024 17:28	WG2212749
Dinoseb	ND		17.9	1	01/30/2024 17:28	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 21:21	WG2212749
Disulfoton	ND		50.0	1	01/30/2024 17:28	WG2212749
Ethyl methanesulfonate	ND		10.0	1	01/30/2024 17:28	WG2212749
Ethyl parathion	ND		50.0	1	01/30/2024 17:28	WG2212749
Famphur	ND		200	1	01/30/2024 17:28	WG2212749
Fluoranthene	ND		1.00	1	01/28/2024 21:21	WG2212749
Fluorene	ND		10.0	1	01/28/2024 21:21	WG2212749
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 21:21	WG2212749
Hexachlorobenzene	ND		10.0	1	01/28/2024 21:21	WG2212749
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 21:21	WG2212749
Hexachloroethane	ND		10.0	1	01/28/2024 21:21	WG2212749
Hexachloropropene	ND		100	1	01/30/2024 17:28	WG2212749
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 21:21	WG2212749
Isodrin	ND		10.0	1	01/30/2024 17:28	WG2212749
Isophorone	ND		10.0	1	01/28/2024 21:21	WG2212749
Isosafrole	ND		20.0	1	01/30/2024 17:28	WG2212749
Kepone	ND		1.88	1	01/30/2024 17:28	WG2212749
Methapyrilene	ND		50.0	1	01/30/2024 17:28	WG2212749
Methyl methanesulfonate	ND		50.0	1	01/30/2024 17:28	WG2212749
Methyl parathion	ND		10.0	1	01/30/2024 17:28	WG2212749
Naphthalene	ND		10.0	1	01/28/2024 21:21	WG2212749
Nitrobenzene	ND		10.0	1	01/28/2024 21:21	WG2212749
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/30/2024 17:28	WG2212749
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/30/2024 17:28	WG2212749
Pentachlorobenzene	ND		10.0	1	01/30/2024 17:28	WG2212749
Pentachloronitrobenzene	ND		50.0	1	01/30/2024 17:28	WG2212749
Pentachlorophenol	ND		50.0	1	01/28/2024 21:21	WG2212749
Phenacetin	ND		10.0	1	01/30/2024 17:28	WG2212749
Phenanthrene	ND		20.0	1	01/28/2024 21:21	WG2212749
Phenol	ND		10.0	1	01/28/2024 21:21	WG2212749
Phorate	ND		50.0	1	01/30/2024 17:28	WG2212749
Pronamide	ND		20.0	1	01/30/2024 17:28	WG2212749
Pyrene	ND		10.0	1	01/28/2024 21:21	WG2212749
Safrole	ND		50.0	1	01/30/2024 17:28	WG2212749
Thionazin	ND		10.0	1	01/30/2024 17:28	WG2212749
n-Nitrosodi-n-butylamine	ND		10.0	1	01/30/2024 17:28	WG2212749
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 21:21	WG2212749
n-Nitrosodiethylamine	ND		10.0	1	01/30/2024 17:28	WG2212749
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 21:21	WG2212749
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 21:21	WG2212749
n-Nitrosomethylethylamine	ND		10.0	1	01/30/2024 17:28	WG2212749
n-Nitrosopiperidine	ND		10.0	1	01/30/2024 17:28	WG2212749
n-Nitrosopyrrolidine	ND		10.0	1	01/30/2024 17:28	WG2212749
o-Toluidine	ND		10.0	1	01/30/2024 17:28	WG2212749
p-Phenylenediamine	ND	J4	387	1	01/30/2024 17:28	WG2212749
(S) 2-Fluorophenol	24.5			10.0-120	01/28/2024 21:21	WG2212749
(S) 2,4,6-Tribromophenol	52.1			10.0-155	01/28/2024 21:21	WG2212749
(S) p-Terphenyl-d14	54.1			10.0-128	01/28/2024 21:21	WG2212749
(S) Phenol-d5	16.2			10.0-120	01/28/2024 21:21	WG2212749
(S) 2-Fluorobiphenyl	43.9			10.0-130	01/28/2024 21:21	WG2212749
(S) Nitrobenzene-d5	45.5			10.0-127	01/28/2024 21:21	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

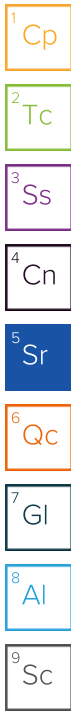
7 Gl

8 Al

9 Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.23	su
Specific Conductance (on site)	220	umhos/cm
Temperature (on-site)	13.2	Deg. C
Turbidity (on-site)	55.3	NTU
Dissolved Oxygen (on-site)	1.1	mg/l
eH/ORP (On Site)	189.9	mV
Depth to water (DTW) (FROM TOC)	25.43	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	122		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	73.0		10.0	1	01/25/2024 11:18	WG2212875
Alkalinity,Bicarbonate	73.0		10.0	1	01/25/2024 11:18	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:18	WG2212875

Sample Narrative:

L1698390-05 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.178		0.100	1	01/25/2024 14:42	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.60		0.100	1	01/25/2024 01:45	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:30	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:40	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	14.8		3.00	1	01/24/2024 23:37	WG2212425
Sulfate	6.18		5.00	1	01/24/2024 23:37	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.46		1.00	1	01/24/2024 23:49	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/25/2024 22:58	WG2211807

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	01/26/2024 09:23	WG2212911
Barium, Total Recoverable	0.160		0.00500	1	01/26/2024 09:23	WG2212911
Calcium, Total Recoverable	17.9		0.200	1	01/26/2024 09:23	WG2212911
Iron, Total Recoverable	1.90		0.0600	1	01/26/2024 09:23	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:23	WG2212911
Magnesium, Total Recoverable	5.41		0.200	1	01/26/2024 09:23	WG2212911
Manganese, Total Recoverable	7.48		0.00300	1	01/26/2024 09:23	WG2212911
Sodium, Total Recoverable	8.29		5.00	1	01/26/2024 09:23	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:23	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:23	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:23	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:39	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:39	WG2212918
Cadmium, Total Recoverable	0.00327		0.00100	1	01/31/2024 21:39	WG2212918
Cobalt, Total Recoverable	0.0125		0.00300	1	01/31/2024 21:39	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:39	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:39	WG2212918
Nickel, Total Recoverable	0.0352		0.00400	1	01/31/2024 21:39	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:39	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:39	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:39	WG2212918
Zinc, Total Recoverable	0.0623		0.00500	1	01/31/2024 21:39	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 16:13	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 16:13	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 16:13	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 16:13	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 16:13	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 16:13	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 16:13	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 16:13	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 16:13	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 16:13	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 16:13	WG2213180
Acetone	ND		11.3	1	01/25/2024 16:13	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 16:13	WG2213180
Acrolein	ND		20.0	1	01/25/2024 16:13	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 16:13	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 16:13	WG2213180
Benzene	ND		1.00	1	01/25/2024 16:13	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Bromoform	ND		1.00	1	01/25/2024 16:13	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 16:13	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 16:13	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 16:13	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Chloroform	ND		1.00	1	01/25/2024 16:13	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 16:13	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 16:13	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 16:13	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 16:13	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Isobutanol	ND		110	1	01/25/2024 16:13	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 16:13	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 16:13	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 16:13	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 16:13	WG2213180
Styrene	ND		1.00	1	01/25/2024 16:13	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 16:13	WG2213180
Toluene	ND		1.00	1	01/25/2024 16:13	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 16:13	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 16:13	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 16:13	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 16:13	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 16:13	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 16:13	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 16:13	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 16:13	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 16:13	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 16:13	WG2213180
(S) Toluene-d8	97.8			80.0-120	01/25/2024 16:13	WG2213180
(S) 1,2-Dichloroethane-d4	90.5			70.0-130	01/25/2024 16:13	WG2213180
(S) 4-Bromofluorobenzene	98.9			77.0-126	01/25/2024 16:13	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 20:24	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 20:24	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 20:24	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	108			14.0-158	01/30/2024 20:24	WG2212848

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 13:48	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 13:48	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 13:48	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 13:48	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 13:48	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 13:48	WG2212745
Chlordane	ND		0.500	1	01/27/2024 13:48	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 13:48	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 13:48	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 13:48	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 13:48	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 13:48	WG2212745
Endrin	ND		0.0500	1	01/27/2024 13:48	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 13:48	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 13:48	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 13:48	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 13:48	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 13:48	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 13:48	WG2212745
(S) Decachlorobiphenyl	48.6			10.0-128	01/27/2024 13:48	WG2212745
(S) Tetrachloro-m-xylene	61.3			10.0-127	01/27/2024 13:48	WG2212745

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 13:48	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 13:48	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 13:48	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 13:48	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 13:48	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 13:48	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 13:48	WG2212745
(S) Decachlorobiphenyl	54.8			10.0-128	01/27/2024 13:48	WG2212745
(S) Tetrachloro-m-xylene	66.0			10.0-127	01/27/2024 13:48	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 18:48	WG2212749
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 18:48	WG2212749
1,3,5-Trinitrobenzene	ND		50.0	1	01/30/2024 16:17	WG2212749
1,3-Dinitrobenzene	ND		10.0	1	01/30/2024 16:17	WG2212749
1,4-Naphthoquinone	ND	J4	50.0	1	01/30/2024 16:17	WG2212749
1-Naphthylamine	ND		10.0	1	01/30/2024 16:17	WG2212749
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 18:48	WG2212749
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 18:48	WG2212749

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 18:48	WG2212749
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 18:48	WG2212749
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 18:48	WG2212749
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 18:48	WG2212749
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 18:48	WG2212749
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 18:48	WG2212749
2,6-Dichlorophenol	ND		10.0	1	01/30/2024 16:17	WG2212749
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 18:48	WG2212749
2-Acetylaminofluorene	ND		100	1	01/30/2024 16:17	WG2212749
2-Chloronaphthalene	ND		10.0	1	01/28/2024 18:48	WG2212749
2-Chlorophenol	ND		10.0	1	01/28/2024 18:48	WG2212749
2-Methylnaphthalene	ND		10.0	1	01/28/2024 18:48	WG2212749
2-Methylphenol	ND		10.0	1	01/28/2024 18:48	WG2212749
2-Naphthylamine	ND		10.0	1	01/30/2024 16:17	WG2212749
2-Nitroaniline	ND		50.0	1	01/28/2024 18:48	WG2212749
2-Nitrophenol	ND		10.0	1	01/28/2024 18:48	WG2212749
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 18:48	WG2212749
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 18:48	WG2212749
3,3-Dimethylbenzidine	ND		20.0	1	01/30/2024 16:17	WG2212749
3-Methylcholanthrene	ND		20.0	1	01/30/2024 16:17	WG2212749
3-Nitroaniline	ND		50.0	1	01/28/2024 18:48	WG2212749
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 18:48	WG2212749
4-Aminobiphenyl	ND		10.0	1	01/30/2024 16:17	WG2212749
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 18:48	WG2212749
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 18:48	WG2212749
4-Chloroaniline	ND		10.0	1	01/28/2024 18:48	WG2212749
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 18:48	WG2212749
4-Nitroaniline	ND		50.0	1	01/28/2024 18:48	WG2212749
4-Nitrophenol	ND		50.0	1	01/28/2024 18:48	WG2212749
5-Nitro-o-toluidine	ND		20.0	1	01/30/2024 16:17	WG2212749
Acenaphthene	ND		10.0	1	01/28/2024 18:48	WG2212749
Acenaphthylene	ND		10.0	1	01/28/2024 18:48	WG2212749
Acetophenone	ND		10.0	1	01/28/2024 18:48	WG2212749
Anthracene	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzo(a)pyrene	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzyl Alcohol	ND		10.0	1	01/28/2024 18:48	WG2212749
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 18:48	WG2212749
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 18:48	WG2212749
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 18:48	WG2212749
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 18:48	WG2212749
Chlorobenzilate	ND		10.0	1	01/30/2024 16:17	WG2212749
Chrysene	ND		10.0	1	01/28/2024 18:48	WG2212749
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 18:48	WG2212749
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 18:48	WG2212749
Diallate	ND		20.0	1	01/30/2024 16:17	WG2212749
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 18:48	WG2212749
Dibenzofuran	ND		10.0	1	01/28/2024 18:48	WG2212749
Diethyl phthalate	ND		10.0	1	01/28/2024 18:48	WG2212749
Dimethoate	ND		20.0	1	01/30/2024 16:17	WG2212749
Dimethyl phthalate	ND		10.0	1	01/28/2024 18:48	WG2212749
Dimethylbenz (A) Anthracene	ND		20.0	1	01/30/2024 16:17	WG2212749
Dinoseb	ND		17.9	1	01/30/2024 16:17	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 18:48	WG2212749
Disulfoton	ND		50.0	1	01/30/2024 16:17	WG2212749
Ethyl methanesulfonate	ND		10.0	1	01/30/2024 16:17	WG2212749
Ethyl parathion	ND		50.0	1	01/30/2024 16:17	WG2212749
Famphur	ND		200	1	01/30/2024 16:17	WG2212749
Fluoranthene	ND		1.00	1	01/28/2024 18:48	WG2212749
Fluorene	ND		10.0	1	01/28/2024 18:48	WG2212749
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 18:48	WG2212749
Hexachlorobenzene	ND		10.0	1	01/28/2024 18:48	WG2212749
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 18:48	WG2212749
Hexachloroethane	ND		10.0	1	01/28/2024 18:48	WG2212749
Hexachloropropene	ND		100	1	01/30/2024 16:17	WG2212749
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 18:48	WG2212749
Isodrin	ND		10.0	1	01/30/2024 16:17	WG2212749
Isophorone	ND		10.0	1	01/28/2024 18:48	WG2212749
Isosafrole	ND		20.0	1	01/30/2024 16:17	WG2212749
Kepone	ND		1.88	1	01/30/2024 16:17	WG2212749
Methapyrilene	ND		50.0	1	01/30/2024 16:17	WG2212749
Methyl methanesulfonate	ND		50.0	1	01/30/2024 16:17	WG2212749
Methyl parathion	ND		10.0	1	01/30/2024 16:17	WG2212749
Naphthalene	ND		10.0	1	01/28/2024 18:48	WG2212749
Nitrobenzene	ND		10.0	1	01/28/2024 18:48	WG2212749
O,O,O-Triethyl Phosphorothioate	ND		50.0	1	01/30/2024 16:17	WG2212749
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/30/2024 16:17	WG2212749
Pentachlorobenzene	ND		10.0	1	01/30/2024 16:17	WG2212749
Pentachloronitrobenzene	ND		50.0	1	01/30/2024 16:17	WG2212749
Pentachlorophenol	ND		50.0	1	01/28/2024 18:48	WG2212749
Phenacetin	ND		10.0	1	01/30/2024 16:17	WG2212749
Phenanthrene	ND		20.0	1	01/28/2024 18:48	WG2212749
Phenol	ND		10.0	1	01/28/2024 18:48	WG2212749
Phorate	ND		50.0	1	01/30/2024 16:17	WG2212749
Pronamide	ND		20.0	1	01/30/2024 16:17	WG2212749
Pyrene	ND		10.0	1	01/28/2024 18:48	WG2212749
Safrole	ND		50.0	1	01/30/2024 16:17	WG2212749
Thionazin	ND		10.0	1	01/30/2024 16:17	WG2212749
n-Nitrosodi-n-butylamine	ND		10.0	1	01/30/2024 16:17	WG2212749
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 18:48	WG2212749
n-Nitrosodiethylamine	ND		10.0	1	01/30/2024 16:17	WG2212749
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 18:48	WG2212749
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 18:48	WG2212749
n-Nitrosomethylethylamine	ND		10.0	1	01/30/2024 16:17	WG2212749
n-Nitrosopiperidine	ND		10.0	1	01/30/2024 16:17	WG2212749
n-Nitrosopyrrolidine	ND		10.0	1	01/30/2024 16:17	WG2212749
o-Toluidine	ND		10.0	1	01/30/2024 16:17	WG2212749
p-Phenylenediamine	ND	J4	387	1	01/30/2024 16:17	WG2212749
(S) 2-Fluorophenol	28.3			10.0-120	01/28/2024 18:48	WG2212749
(S) 2,4,6-Tribromophenol	59.5			10.0-155	01/28/2024 18:48	WG2212749
(S) p-Terphenyl-d14	60.7			10.0-128	01/28/2024 18:48	WG2212749
(S) Phenol-d5	16.7			10.0-120	01/28/2024 18:48	WG2212749
(S) 2-Fluorobiphenyl	44.0			10.0-130	01/28/2024 18:48	WG2212749
(S) Nitrobenzene-d5	42.9			10.0-127	01/28/2024 18:48	WG2212749

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.96	su
Specific Conductance (on site)	414	umhos/cm
Temperature (on-site)	16.5	Deg. C
Turbidity (on-site)	28.8	NTU
Dissolved Oxygen (on-site)	0.8	mg/l
eH/ORP (On Site)	150.6	mV
Depth to water (DTW) (FROM TOC)	61.17	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	243		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	150		10.0	1	01/25/2024 11:21	WG2212875
Alkalinity,Bicarbonate	150		10.0	1	01/25/2024 11:21	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:21	WG2212875

Sample Narrative:

L1698390-06 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 14:43	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	7.84		0.100	5	01/25/2024 01:47	WG2212584

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	6.07		3.00	1	01/24/2024 23:51	WG2212425
Sulfate	11.5		5.00	1	01/24/2024 23:51	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	2.12		1.00	1	01/25/2024 01:33	WG2212481

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	01/26/2024 09:26	WG2212911
Barium,Total Recoverable	0.104		0.00500	1	01/26/2024 09:26	WG2212911
Calcium, Total Recoverable	64.4		0.200	1	01/26/2024 09:26	WG2212911
Iron, Total Recoverable	0.572		0.0600	1	01/26/2024 09:26	WG2212911
Potassium, Total Recoverable	3.32		3.00	1	01/26/2024 09:26	WG2212911

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	3.31		0.200	1	01/26/2024 09:26	WG2212911
Manganese, Total Recoverable	0.882		0.00300	1	01/26/2024 09:26	WG2212911
Sodium, Total Recoverable	8.27		5.00	1	01/26/2024 09:26	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:26	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:26	WG2212911

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:42	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:42	WG2212918
Cadmium, Total Recoverable	0.00427		0.00100	1	01/31/2024 21:42	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 21:42	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:42	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:42	WG2212918
Nickel, Total Recoverable	0.0162		0.00400	1	01/31/2024 21:42	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:42	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:42	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:42	WG2212918
Zinc, Total Recoverable	0.0206	J	0.00500	1	01/31/2024 21:42	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,1-Dichloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,1-Dichloroethene	ND		1.00	1	01/25/2024 03:12	WG2212756
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 03:12	WG2212756
1,2-Dibromoethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 03:12	WG2212756
1,2-Dichloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,2-Dichloropropane	ND		1.00	1	01/25/2024 03:12	WG2212756
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 03:12	WG2212756
2-Butanone (MEK)	ND		5.00	1	01/25/2024 03:12	WG2212756
2-Hexanone	ND		5.00	1	01/25/2024 03:12	WG2212756
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 03:12	WG2212756
Acetone	ND		10.0	1	01/25/2024 03:12	WG2212756
Acrylonitrile	ND		20.0	1	01/25/2024 03:12	WG2212756
Benzene	ND		1.00	1	01/25/2024 03:12	WG2212756
Bromochloromethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Bromodichloromethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Bromoform	ND		1.00	1	01/25/2024 03:12	WG2212756
Bromomethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Carbon disulfide	ND		1.00	1	01/25/2024 03:12	WG2212756
Carbon tetrachloride	ND		1.00	1	01/25/2024 03:12	WG2212756
Chlorobenzene	ND		1.00	1	01/25/2024 03:12	WG2212756
Chloroethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Chloroform	ND		1.00	1	01/25/2024 03:12	WG2212756
Chloromethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Dibromochloromethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Dibromomethane	ND		1.00	1	01/25/2024 03:12	WG2212756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	01/25/2024 03:12	WG2212756
Iodomethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Methylene Chloride	ND		1.07	1	01/25/2024 03:12	WG2212756
Styrene	ND		1.00	1	01/25/2024 03:12	WG2212756
Tetrachloroethene	ND		1.00	1	01/25/2024 03:12	WG2212756
Toluene	ND		1.00	1	01/25/2024 03:12	WG2212756
Trichloroethene	ND		1.00	1	01/25/2024 03:12	WG2212756
Trichlorofluoromethane	ND		1.00	1	01/25/2024 03:12	WG2212756
Vinyl acetate	ND		5.00	1	01/25/2024 03:12	WG2212756
Vinyl chloride	ND		1.00	1	01/25/2024 03:12	WG2212756
Xylenes, Total	ND		1.00	1	01/25/2024 03:12	WG2212756
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 03:12	WG2212756
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 03:12	WG2212756
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 03:12	WG2212756
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 03:12	WG2212756
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 03:12	WG2212756
(S) 1,2-Dichloroethane-d4	123			70.0-130	01/25/2024 03:12	WG2212756
(S) 4-Bromofluorobenzene	99.2			77.0-126	01/25/2024 03:12	WG2212756
(S) Toluene-d8	92.8			80.0-120	01/25/2024 03:12	WG2212756

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

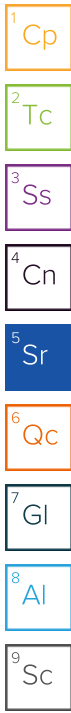
7
Gl

8
Al

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Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	7.02	su
Specific Conductance (on site)	407	umhos/cm
Temperature (on-site)	14.1	Deg. C
Turbidity (on-site)	31.3	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	-138.6	mV
Depth to water (DTW) (FROM TOC)	71.3	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	225		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	218		10.0	1	01/25/2024 11:26	WG2212875
Alkalinity,Bicarbonate	218		10.0	1	01/25/2024 11:26	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:26	WG2212875

Sample Narrative:

L1698390-07 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 14:45	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/25/2024 01:49	WG2212584

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	ND		3.00	1	01/25/2024 00:31	WG2212425
Sulfate	ND		5.00	1	01/25/2024 00:31	WG2212425

Wet Chemistry by Method 9060A

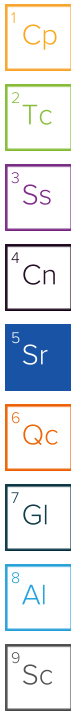
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	5.47		1.00	1	01/25/2024 01:51	WG2212481

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	01/26/2024 08:54	WG2212911
Barium,Total Recoverable	0.0569		0.00500	1	01/26/2024 08:54	WG2212911
Calcium, Total Recoverable	85.4		0.200	1	01/26/2024 08:54	WG2212911
Iron, Total Recoverable	8.46		0.0600	1	01/26/2024 08:54	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 08:54	WG2212911

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	1.62		0.200	1	01/26/2024 08:54	WG2212911
Manganese, Total Recoverable	1.32		0.00300	1	01/26/2024 08:54	WG2212911
Sodium, Total Recoverable	ND	O1	5.00	1	01/26/2024 08:54	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 08:54	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 08:54	WG2212911



Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:46	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:46	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 21:46	WG2212918
Cobalt, Total Recoverable	0.00401		0.00300	1	01/31/2024 21:46	WG2212918
Chromium, Total Recoverable	0.0100		0.00300	1	01/31/2024 21:46	WG2212918
Copper, Total Recoverable	0.0165		0.00400	1	01/31/2024 21:46	WG2212918
Nickel, Total Recoverable	0.00824		0.00400	1	01/31/2024 21:46	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:46	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:46	WG2212918
Vanadium, Total Recoverable	0.00556		0.00300	1	01/31/2024 21:46	WG2212918
Zinc, Total Recoverable	0.0295		0.00500	1	01/31/2024 21:46	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,1-Dichloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,1-Dichloroethene	ND		1.00	1	01/25/2024 03:31	WG2212756
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 03:31	WG2212756
1,2-Dibromoethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 03:31	WG2212756
1,2-Dichloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,2-Dichloropropane	ND		1.00	1	01/25/2024 03:31	WG2212756
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 03:31	WG2212756
2-Butanone (MEK)	ND		5.00	1	01/25/2024 03:31	WG2212756
2-Hexanone	ND		5.00	1	01/25/2024 03:31	WG2212756
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 03:31	WG2212756
Acetone	ND		10.0	1	01/25/2024 03:31	WG2212756
Acrylonitrile	ND		20.0	1	01/25/2024 03:31	WG2212756
Benzene	ND		1.00	1	01/25/2024 03:31	WG2212756
Bromochloromethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Bromodichloromethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Bromoform	ND		1.00	1	01/25/2024 03:31	WG2212756
Bromomethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Carbon disulfide	ND		1.00	1	01/25/2024 03:31	WG2212756
Carbon tetrachloride	ND		1.00	1	01/25/2024 03:31	WG2212756
Chlorobenzene	ND		1.00	1	01/25/2024 03:31	WG2212756
Chloroethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Chloroform	ND		1.00	1	01/25/2024 03:31	WG2212756
Chloromethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Dibromochloromethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Dibromomethane	ND		1.00	1	01/25/2024 03:31	WG2212756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	01/25/2024 03:31	WG2212756
Iodomethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Methylene Chloride	ND		1.07	1	01/25/2024 03:31	WG2212756
Styrene	ND		1.00	1	01/25/2024 03:31	WG2212756
Tetrachloroethene	ND		1.00	1	01/25/2024 03:31	WG2212756
Toluene	ND		1.00	1	01/25/2024 03:31	WG2212756
Trichloroethene	ND		1.00	1	01/25/2024 03:31	WG2212756
Trichlorofluoromethane	ND		1.00	1	01/25/2024 03:31	WG2212756
Vinyl acetate	ND		5.00	1	01/25/2024 03:31	WG2212756
Vinyl chloride	ND		1.00	1	01/25/2024 03:31	WG2212756
Xylenes, Total	ND		1.00	1	01/25/2024 03:31	WG2212756
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 03:31	WG2212756
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 03:31	WG2212756
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 03:31	WG2212756
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 03:31	WG2212756
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 03:31	WG2212756
(S) 1,2-Dichloroethane-d4	121			70.0-130	01/25/2024 03:31	WG2212756
(S) 4-Bromofluorobenzene	102			77.0-126	01/25/2024 03:31	WG2212756
(S) Toluene-d8	91.9			80.0-120	01/25/2024 03:31	WG2212756

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Cp

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Sr

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Qc

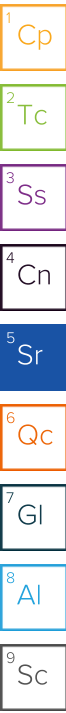
7
Gl

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Al

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Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.8	su
Specific Conductance (on site)	658	umhos/cm
Temperature (on-site)	13.9	Deg. C
Turbidity (on-site)	111.8	NTU
Dissolved Oxygen (on-site)	5.1	mg/l
eH/ORP (On Site)	10.4	mV
Depth to water (DTW) (FROM TOC)	71.61	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	353		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	352		10.0	1	01/25/2024 11:31	WG2212875
Alkalinity,Bicarbonate	352		10.0	1	01/25/2024 11:31	WG2212875
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:31	WG2212875

Sample Narrative:

L1698390-08 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.134		0.100	1	01/25/2024 14:46	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	3.05		0.100	1	01/25/2024 01:51	WG2212584

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	9.10		3.00	1	01/25/2024 00:45	WG2212425
Sulfate	5.23		5.00	1	01/25/2024 00:45	WG2212425

Wet Chemistry by Method 9060A

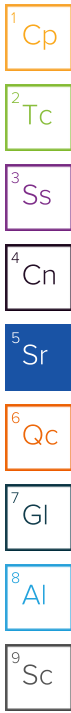
Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
TOC	1.05		1.00	1	01/25/2024 02:09	WG2212481

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	ND		0.0500	1	01/26/2024 09:29	WG2212911
Barium,Total Recoverable	0.0512		0.00500	1	01/26/2024 09:29	WG2212911
Calcium, Total Recoverable	184		0.200	1	01/26/2024 09:29	WG2212911
Iron, Total Recoverable	1.02		0.0600	1	01/26/2024 09:29	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:29	WG2212911

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Magnesium, Total Recoverable	2.14		0.200	1	01/26/2024 09:29	WG2212911
Manganese, Total Recoverable	0.164		0.00300	1	01/26/2024 09:29	WG2212911
Sodium, Total Recoverable	14.0		5.00	1	01/26/2024 09:29	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:29	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:29	WG2212911



Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:49	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:49	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 21:49	WG2212918
Cobalt, Total Recoverable	0.0201		0.00300	1	01/31/2024 21:49	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:49	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:49	WG2212918
Nickel, Total Recoverable	0.00901		0.00400	1	01/31/2024 21:49	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:49	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:49	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:49	WG2212918
Zinc, Total Recoverable	0.00810	J	0.00500	1	01/31/2024 21:49	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,1-Dichloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,1-Dichloroethene	ND		1.00	1	01/25/2024 03:50	WG2212756
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 03:50	WG2212756
1,2-Dibromoethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 03:50	WG2212756
1,2-Dichloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,2-Dichloropropane	ND		1.00	1	01/25/2024 03:50	WG2212756
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 03:50	WG2212756
2-Butanone (MEK)	ND		5.00	1	01/25/2024 03:50	WG2212756
2-Hexanone	ND		5.00	1	01/25/2024 03:50	WG2212756
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 03:50	WG2212756
Acetone	ND		10.0	1	01/25/2024 03:50	WG2212756
Acrylonitrile	ND		20.0	1	01/25/2024 03:50	WG2212756
Benzene	ND		1.00	1	01/25/2024 03:50	WG2212756
Bromochloromethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Bromodichloromethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Bromoform	ND		1.00	1	01/25/2024 03:50	WG2212756
Bromomethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Carbon disulfide	ND		1.00	1	01/25/2024 03:50	WG2212756
Carbon tetrachloride	ND		1.00	1	01/25/2024 03:50	WG2212756
Chlorobenzene	ND		1.00	1	01/25/2024 03:50	WG2212756
Chloroethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Chloroform	1.18		1.00	1	01/25/2024 03:50	WG2212756
Chloromethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Dibromochloromethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Dibromomethane	ND		1.00	1	01/25/2024 03:50	WG2212756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Ethylbenzene	ND		1.00	1	01/25/2024 03:50	WG2212756
Iodomethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Methylene Chloride	ND		1.07	1	01/25/2024 03:50	WG2212756
Styrene	ND		1.00	1	01/25/2024 03:50	WG2212756
Tetrachloroethene	ND		1.00	1	01/25/2024 03:50	WG2212756
Toluene	ND		1.00	1	01/25/2024 03:50	WG2212756
Trichloroethene	ND		1.00	1	01/25/2024 03:50	WG2212756
Trichlorofluoromethane	ND		1.00	1	01/25/2024 03:50	WG2212756
Vinyl acetate	ND		5.00	1	01/25/2024 03:50	WG2212756
Vinyl chloride	ND		1.00	1	01/25/2024 03:50	WG2212756
Xylenes, Total	ND		1.00	1	01/25/2024 03:50	WG2212756
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 03:50	WG2212756
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 03:50	WG2212756
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 03:50	WG2212756
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 03:50	WG2212756
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 03:50	WG2212756
(S) 1,2-Dichloroethane-d4	125			70.0-130	01/25/2024 03:50	WG2212756
(S) 4-Bromofluorobenzene	99.9			77.0-126	01/25/2024 03:50	WG2212756
(S) Toluene-d8	93.6			80.0-120	01/25/2024 03:50	WG2212756

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
Dissolved Solids	mg/l	ND	mg/l	10.0	1	01/25/2024 00:56	WG2212634

Sample Narrative:

L1698390-09 WG2212634: TDS BDL

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
Alkalinity	mg/l	ND	mg/l	10.0	1	01/25/2024 11:52	WG2212875
Alkalinity,Bicarbonate	ND		10.0	1	01/25/2024 11:52	WG2212875	
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 11:52	WG2212875	

Sample Narrative:

L1698390-09 WG2212875: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
Ammonia Nitrogen	mg/l	ND	mg/l	0.100	1	01/25/2024 14:48	WG2212496

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
Nitrate-Nitrite	mg/l	ND	mg/l	0.100	1	01/25/2024 01:53	WG2212584

Wet Chemistry by Method 9056A

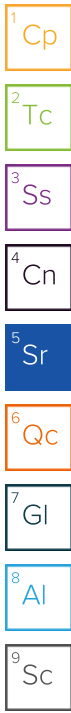
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
Chloride	mg/l	ND	mg/l	3.00	1	01/25/2024 00:58	WG2212425
Sulfate	ND		5.00	1	01/25/2024 00:58	WG2212425	

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
TOC	mg/l	ND	mg/l	1.00	1	01/25/2024 02:21	WG2212481

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch	
Silver, Total Recoverable	mg/l	ND	mg/l	0.0500	1	01/26/2024 09:32	WG2212911
Barium,Total Recoverable	ND		0.00500	1	01/26/2024 09:32	WG2212911	
Calcium, Total Recoverable	ND		0.200	1	01/26/2024 09:32	WG2212911	
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 09:32	WG2212911	
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:32	WG2212911	
Magnesium, Total Recoverable	ND		0.200	1	01/26/2024 09:32	WG2212911	
Manganese,Total Recoverable	ND		0.00300	1	01/26/2024 09:32	WG2212911	
Sodium,Total Recoverable	ND		5.00	1	01/26/2024 09:32	WG2212911	
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:32	WG2212911	
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:32	WG2212911	



Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:52	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:52	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 21:52	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 21:52	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:52	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:52	WG2212918
Nickel, Total Recoverable	ND		0.00400	1	01/31/2024 21:52	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:52	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:52	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:52	WG2212918
Zinc, Total Recoverable	ND		0.00500	1	01/31/2024 21:52	WG2212918

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,1-Dichloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,1-Dichloroethene	ND		1.00	1	01/25/2024 00:59	WG2212756
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 00:59	WG2212756
1,2-Dibromoethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 00:59	WG2212756
1,2-Dichloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,2-Dichloropropane	ND		1.00	1	01/25/2024 00:59	WG2212756
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 00:59	WG2212756
2-Butanone (MEK)	ND		5.00	1	01/25/2024 00:59	WG2212756
2-Hexanone	ND		5.00	1	01/25/2024 00:59	WG2212756
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 00:59	WG2212756
Acetone	ND		10.0	1	01/25/2024 00:59	WG2212756
Acrylonitrile	ND		20.0	1	01/25/2024 00:59	WG2212756
Benzene	ND		1.00	1	01/25/2024 00:59	WG2212756
Bromochloromethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Bromodichloromethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Bromoform	ND		1.00	1	01/25/2024 00:59	WG2212756
Bromomethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Carbon disulfide	ND		1.00	1	01/25/2024 00:59	WG2212756
Carbon tetrachloride	ND		1.00	1	01/25/2024 00:59	WG2212756
Chlorobenzene	ND		1.00	1	01/25/2024 00:59	WG2212756
Chloroethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Chloroform	ND		1.00	1	01/25/2024 00:59	WG2212756
Chloromethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Dibromochloromethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Dibromomethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Ethylbenzene	ND		1.00	1	01/25/2024 00:59	WG2212756
Iodomethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Methylene Chloride	ND		1.07	1	01/25/2024 00:59	WG2212756
Styrene	ND		1.00	1	01/25/2024 00:59	WG2212756
Tetrachloroethene	ND		1.00	1	01/25/2024 00:59	WG2212756
Toluene	ND		1.00	1	01/25/2024 00:59	WG2212756
Trichloroethene	ND		1.00	1	01/25/2024 00:59	WG2212756
Trichlorofluoromethane	ND		1.00	1	01/25/2024 00:59	WG2212756
Vinyl acetate	ND		5.00	1	01/25/2024 00:59	WG2212756
Vinyl chloride	ND		1.00	1	01/25/2024 00:59	WG2212756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Xylenes, Total	ND		1.00	1	01/25/2024 00:59	WG2212756
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 00:59	WG2212756
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 00:59	WG2212756
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 00:59	WG2212756
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 00:59	WG2212756
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 00:59	WG2212756
(S) 1,2-Dichloroethane-d4	120			70.0-130	01/25/2024 00:59	WG2212756
(S) 4-Bromofluorobenzene	100			77.0-126	01/25/2024 00:59	WG2212756
(S) Toluene-d8	92.1			80.0-120	01/25/2024 00:59	WG2212756

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026713-1 01/25/24 00:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1698390-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-02 01/25/24 00:56 • (DUP) R4026713-3 01/25/24 00:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	395	404	1	2.25		10

4 Cn

5 Sr

6 Qc

L1698390-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-03 01/25/24 00:56 • (DUP) R4026713-4 01/25/24 00:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	307	314	1	2.25		10

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4026713-2 01/25/24 00:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8720	99.1	85.0-115	

Method Blank (MB)

(MB) R4026244-2 01/25/24 09:31

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1698390-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-01 01/25/24 10:04 • (DUP) R4026244-3 01/25/24 10:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	386	373	1	3.48		20
Alkalinity,Bicarbonate	386	373	1	3.48		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1698390-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-09 01/25/24 11:52 • (DUP) R4026244-4 01/25/24 11:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	ND	ND	1	0.000		20
Alkalinity,Bicarbonate	ND	ND	1	0.000		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) R4026244-1 01/25/24 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	103	103	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026312-1 01/25/24 14:19

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1697908-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1697908-01 01/25/24 14:22 • (DUP) R4026312-3 01/25/24 14:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	ND	ND	1	0.000		10

L1698292-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698292-02 01/25/24 14:25 • (DUP) R4026312-4 01/25/24 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	0.123	0.127	1	3.20		10

Laboratory Control Sample (LCS)

(LCS) R4026312-2 01/25/24 14:21

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.26	96.8	90.0-110	

L1698292-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698292-02 01/25/24 14:25 • (MS) R4026312-5 01/25/24 14:28 • (MSD) R4026312-6 01/25/24 14:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.123	5.24	5.26	102	103	1	90.0-110			0.495	10

L1698650-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698650-01 01/25/24 15:06 • (MS) R4026312-7 01/25/24 15:07

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	ND	5.13	103	1	90.0-110	

Method Blank (MB)

(MB) R4026134-1 01/25/24 01:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.0250		0.0197	0.100

L1698390-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-01 01/25/24 01:18 • (DUP) R4026134-3 01/25/24 01:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L1698420-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-06 01/25/24 02:19 • (DUP) R4026134-6 01/25/24 02:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	1.63	1.66	1	1.28		20

Laboratory Control Sample (LCS)

(LCS) R4026134-2 01/25/24 01:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate-Nitrite	2.50	2.54	102	90.0-110	

L1698390-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-01 01/25/24 01:18 • (MS) R4026134-4 01/25/24 01:22 • (MSD) R4026134-5 01/25/24 01:24

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	ND	2.49	2.51	99.6	100	1	90.0-110			0.800	20

L1698420-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698420-06 01/25/24 02:19 • (MS) R4026134-7 01/25/24 02:22

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	2.50	1.63	4.15	100	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4025948-1 01/24/24 20:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698386-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698386-01 01/24/24 20:28 • (DUP) R4025948-3 01/24/24 20:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

L1698420-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-10 01/24/24 20:33 • (DUP) R4025948-6 01/24/24 20:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4025948-2 01/24/24 20:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.548	110	85.0-115	

L1698420-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-02 01/24/24 20:31 • (MS) R4025948-4 01/24/24 20:31 • (MSD) R4025948-5 01/24/24 20:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	0.500	ND	ND	ND	97.4	99.0	1	80.0-120			1.59	20

Method Blank (MB)

(MB) R4026245-1 01/25/24 13:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698379-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698379-02 01/25/24 13:24 • (DUP) R4026245-3 01/25/24 13:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1698390-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-03 01/25/24 13:36 • (DUP) R4026245-4 01/25/24 13:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4026245-2 01/25/24 13:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0916	91.6	87.1-120	

L1698420-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-03 01/25/24 13:47 • (MS) R4026245-5 01/25/24 13:49 • (MSD) R4026245-6 01/25/24 13:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0889	0.0869	88.9	86.9	1	90.0-110	J6	J6	2.28	20

Sample Narrative:

MS: Spike failure due to matrix interference

MSD: Spike failure due to matrix interference

Method Blank (MB)

(MB) R4026316-1 01/24/24 21:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	ND		0.0519	1.00
Sulfate	0.179		0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698120-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698120-03 01/25/24 00:20 • (DUP) R4026316-3 01/25/24 00:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	8.74	8.74	1	0.0892		15
Sulfate	ND	ND	1	0.751		15

L1698390-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-01 01/25/24 06:10 • (DUP) R4026316-6 01/25/24 06:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	22.1	22.1	1	0.0348		15
Sulfate	6.03	6.12	1	1.48		15

Laboratory Control Sample (LCS)

(LCS) R4026316-2 01/24/24 22:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	40.3	101	80.0-120	
Sulfate	40.0	42.7	107	80.0-120	

L1698120-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698120-03 01/25/24 00:20 • (MS) R4026316-4 01/25/24 00:52 • (MSD) R4026316-5 01/25/24 01:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	8.74	45.9	46.2	92.9	93.7	1	80.0-120			0.669	15
Sulfate	40.0	ND	40.5	40.8	98.5	99.1	1	80.0-120			0.580	15

L1698390-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698390-01 01/25/24 06:10 • (MS) R4026316-7 01/25/24 06:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	22.1	56.8	86.8	1	80.0-120	
Sulfate	40.0	6.03	44.2	95.5	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4027683-2 01/24/24 21:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	0.283		0.0519	1.00
Sulfate	0.685	J	0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698390-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-02 01/24/24 22:19 • (DUP) R4027683-4 01/24/24 22:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	22.8	23.7	1	3.65		15
Sulfate	ND	ND	1	1.06		15

L1698420-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-03 01/25/24 01:39 • (DUP) R4027683-7 01/25/24 01:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	18.2	18.6	1	2.16		15
Sulfate	8.47	8.42	1	0.664		15

Laboratory Control Sample (LCS)

(LCS) R4027683-3 01/24/24 22:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	40.5	101	80.0-120	
Sulfate	40.0	40.9	102	80.0-120	

L1698390-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-02 01/24/24 22:19 • (MS) R4027683-5 01/24/24 22:44 • (MSD) R4027683-6 01/24/24 22:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	22.8	59.9	61.0	92.7	95.4	1	80.0-120			1.84	15
Sulfate	40.0	ND	45.4	46.2	101	104	1	80.0-120			1.80	15

L1698420-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698420-03 01/25/24 01:39 • (MS) R4027683-8 01/25/24 02:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	18.2	55.2	92.5	1	80.0-120	
Sulfate	40.0	8.47	48.1	99.0	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026049-2 01/24/24 17:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	ND		0.102	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698343-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698343-01 01/24/24 19:25 • (DUP) R4026049-3 01/24/24 19:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	18.9		20

L1698352-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698352-01 01/24/24 22:22 • (DUP) R4026049-6 01/24/24 22:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.59	2.59	1	0.0772		20

Laboratory Control Sample (LCS)

(LCS) R4026049-1 01/24/24 17:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	23.5	94.0	85.0-115	

L1698343-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698343-07 01/24/24 20:47 • (MS) R4026049-4 01/24/24 21:08 • (MSD) R4026049-5 01/24/24 21:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	15.3	39.0	38.7	94.6	93.7	1	85.0-115			0.618	20

L1698390-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-05 01/24/24 23:49 • (MS) R4026049-7 01/25/24 00:15 • (MSD) R4026049-8 01/25/24 00:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	1.46	25.4	25.0	95.7	94.1	1	85.0-115			1.59	20

Method Blank (MB)

(MB) R4026472-1 01/25/24 21:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury, Total Recoverable	ND		0.0000490	0.000200

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4026472-2 01/25/24 21:58

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00321	107	80.0-120	

4 Cn

5 Sr

6 Qc

L1698021-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698021-01 01/25/24 22:00 • (MS) R4026472-3 01/25/24 22:07 • (MSD) R4026472-4 01/25/24 22:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00321	0.00320	107	107	1	75.0-125			0.598	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026606-1 01/26/24 08:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	ND		0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.119		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4026606-2 01/26/24 08:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.190	94.8	80.0-120	
Barium, Total Recoverable	1.00	1.02	102	80.0-120	
Calcium, Total Recoverable	10.0	9.74	97.4	80.0-120	
Iron, Total Recoverable	10.0	9.39	93.9	80.0-120	
Potassium, Total Recoverable	10.0	9.26	92.6	80.0-120	
Magnesium, Total Recoverable	10.0	9.23	92.3	80.0-120	
Manganese, Total Recoverable	1.00	1.00	100	80.0-120	
Sodium, Total Recoverable	10.0	9.92	99.2	80.0-120	
Lead, Total Recoverable	1.00	0.957	95.7	80.0-120	
Selenium, Total Recoverable	1.00	0.918	91.8	80.0-120	
Tin, Total Recoverable	1.00	1.03	103	80.0-120	

L1698390-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-07 01/26/24 08:54 • (MS) R4026606-4 01/26/24 09:00 • (MSD) R4026606-5 01/26/24 09:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.194	0.196	96.8	97.9	1	75.0-125			1.14	20
Barium, Total Recoverable	1.00	0.0569	1.07	1.06	101	100	1	75.0-125			0.393	20
Calcium, Total Recoverable	10.0	85.4	94.1	94.1	86.3	87.1	1	75.0-125			0.0819	20
Iron, Total Recoverable	10.0	8.46	17.6	17.6	91.9	91.5	1	75.0-125			0.259	20
Potassium, Total Recoverable	10.0	ND	10.5	10.6	92.9	93.2	1	75.0-125			0.297	20

L1698390-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-07 01/26/24 08:54 • (MS) R4026606-4 01/26/24 09:00 • (MSD) R4026606-5 01/26/24 09:02

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 %
Magnesium, Total Recoverable	10.0	1.62	10.8	10.7	91.8	91.0	1	75.0-125			0.728	20
Manganese, Total Recoverable	1.00	1.32	2.29	2.29	96.2	96.6	1	75.0-125			0.177	20
Sodium, Total Recoverable	10.0	ND	13.0	13.1	97.3	97.6	1	75.0-125			0.258	20
Lead, Total Recoverable	1.00	ND	0.959	0.951	95.9	95.1	1	75.0-125			0.845	20
Selenium, Total Recoverable	1.00	ND	0.941	0.942	94.1	94.2	1	75.0-125			0.113	20
Tin, Total Recoverable	1.00		1.02	1.01	102	101	1	75.0-125			0.948	20

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

Method Blank (MB)

(MB) R4028482-1 01/31/24 20:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Total Recoverable	ND		0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Cobalt, Total Recoverable	ND		0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.00115		0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4028482-2 01/31/24 20:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0530	106	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0536	107	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0554	111	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0538	108	80.0-120	
Chromium, Total Recoverable	0.0500	0.0539	108	80.0-120	
Copper, Total Recoverable	0.0500	0.0534	107	80.0-120	
Nickel, Total Recoverable	0.0500	0.0551	110	80.0-120	
Antimony, Total Recoverable	0.0500	0.0596	119	80.0-120	
Thallium, Total Recoverable	0.0500	0.0531	106	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0539	108	80.0-120	
Zinc, Total Recoverable	0.0500	0.0533	107	80.0-120	

L1698379-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698379-02 01/31/24 20:51 • (MS) R4028482-4 01/31/24 20:57 • (MSD) R4028482-5 01/31/24 21:01

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 %
Arsenic, Total Recoverable	0.0500	ND	0.0538	0.0524	108	105	1	75.0-125			2.49	20
Beryllium, Total Recoverable	0.0500	ND	0.0506	0.0494	101	98.8	1	75.0-125			2.35	20
Cadmium, Total Recoverable	0.0500	ND	0.0534	0.0529	107	106	1	75.0-125			0.910	20
Cobalt, Total Recoverable	0.0500	ND	0.0564	0.0541	113	108	1	75.0-125			4.12	20
Chromium, Total Recoverable	0.0500	ND	0.0558	0.0532	112	106	1	75.0-125			4.80	20

L1698379-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698379-02 01/31/24 20:51 • (MS) R4028482-4 01/31/24 20:57 • (MSD) R4028482-5 01/31/24 21:01

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 %
Copper, Total Recoverable	0.0500	ND	0.0537	0.0532	104	103	1	75.0-125			1.01	20
Nickel, Total Recoverable	0.0500	ND	0.0572	0.0542	114	108	1	75.0-125			5.39	20
Antimony, Total Recoverable	0.0500	ND	0.0573	0.0568	115	114	1	75.0-125			0.830	20
Thallium, Total Recoverable	0.0500	ND	0.0507	0.0507	101	101	1	75.0-125			0.0109	20
Vanadium, Total Recoverable	0.0500	ND	0.0544	0.0525	109	105	1	75.0-125			3.56	20
Zinc, Total Recoverable	0.0500	ND	0.0541	0.0526	108	105	1	75.0-125			2.84	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4026251-2 01/25/24 00:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.0940	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,4-Dichlorobenzene	ND		0.121	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acrylonitrile	ND		0.873	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	0.123	U	0.0860	0.500
Chloromethane	ND		0.153	1.25
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Methylene Chloride	ND		1.07	2.50
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026251-2 01/25/24 00:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) 1,2-Dichloroethane-d4	117			70.0-130
(S) 4-Bromofluorobenzene	101			77.0-126
(S) Toluene-d8	89.1			80.0-120

Laboratory Control Sample (LCS)

(LCS) R4026251-1 01/24/24 21:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,1,1,2-Tetrachloroethane	5.00	4.37	87.4	75.0-125	
1,1,1-Trichloroethane	5.00	5.25	105	73.0-124	
1,1,2,2-Tetrachloroethane	5.00	4.87	97.4	65.0-130	
1,1,2-Trichloroethane	5.00	4.87	97.4	80.0-120	
1,1-Dichloroethane	5.00	5.04	101	70.0-126	
1,1-Dichloroethene	5.00	5.27	105	71.0-124	
1,2,3-Trichloropropane	5.00	5.27	105	73.0-130	
1,2-Dibromo-3-Chloropropane	5.00	4.97	99.4	58.0-134	
1,2-Dibromoethane	5.00	4.43	88.6	80.0-122	
1,2-Dichlorobenzene	5.00	4.85	97.0	79.0-121	
1,2-Dichloroethane	5.00	6.04	121	70.0-128	
1,2-Dichloropropane	5.00	5.92	118	77.0-125	
1,4-Dichlorobenzene	5.00	4.78	95.6	79.0-120	
2-Butanone (MEK)	25.0	28.0	112	44.0-160	
2-Hexanone	25.0	32.2	129	67.0-149	
4-Methyl-2-pentanone (MIBK)	25.0	28.5	114	68.0-142	
Acetone	25.0	18.0	72.0	19.0-160	
Acrylonitrile	25.0	28.5	114	55.0-149	
Benzene	5.00	4.90	98.0	70.0-123	
Bromochloromethane	5.00	4.36	87.2	76.0-122	
Bromodichloromethane	5.00	5.39	108	75.0-120	
Bromoform	5.00	4.29	85.8	68.0-132	
Bromomethane	5.00	4.55	91.0	10.0-160	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4026251-1 01/24/24 21:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Carbon disulfide	5.00	4.26	85.2	61.0-128	
Carbon tetrachloride	5.00	5.31	106	68.0-126	
Chlorobenzene	5.00	4.44	88.8	80.0-121	
Chloroethane	5.00	4.93	98.6	47.0-150	
Chloroform	5.00	5.08	102	73.0-120	
Chloromethane	5.00	4.84	96.8	41.0-142	
Dibromochloromethane	5.00	4.32	86.4	77.0-125	
Dibromomethane	5.00	5.49	110	80.0-120	
Ethylbenzene	5.00	4.58	91.6	79.0-123	
Iodomethane	25.0	24.3	97.2	33.0-147	
Methylene Chloride	5.00	4.29	85.8	67.0-120	
Styrene	5.00	4.21	84.2	73.0-130	
Tetrachloroethene	5.00	4.62	92.4	72.0-132	
Toluene	5.00	4.63	92.6	79.0-120	
Trichloroethene	5.00	4.84	96.8	78.0-124	
Trichlorofluoromethane	5.00	5.20	104	59.0-147	
Vinyl acetate	25.0	26.2	105	11.0-160	
Vinyl chloride	5.00	5.06	101	67.0-131	
Xylenes, Total	15.0	14.0	93.3	79.0-123	
cis-1,2-Dichloroethene	5.00	4.69	93.8	73.0-120	
cis-1,3-Dichloropropene	5.00	5.33	107	80.0-123	
trans-1,2-Dichloroethene	5.00	4.69	93.8	73.0-120	
trans-1,3-Dichloropropene	5.00	4.69	93.8	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	5.64	113	33.0-144	
(S) 1,2-Dichloroethane-d4			122	70.0-130	
(S) 4-Bromofluorobenzene			99.4	77.0-126	
(S) Toluene-d8			91.4	80.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026291-4 01/25/24 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	0.129	U	0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026291-4 01/25/24 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	96.2			80.0-120
(S) 1,2-Dichloroethane-d4	90.1			70.0-130
(S) 4-Bromofluorobenzene	97.8			77.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026291-1 01/25/24 09:08 • (LCSD) R4026291-2 01/25/24 09:29

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	4.92	4.79	98.4	95.8	75.0-125			2.68	20
1,1,1-Trichloroethane	5.00	4.95	5.05	99.0	101	73.0-124			2.00	20
1,1,2,2-Tetrachloroethane	5.00	4.67	4.81	93.4	96.2	65.0-130			2.95	20
1,1,2-Trichloroethane	5.00	4.64	4.71	92.8	94.2	80.0-120			1.50	20
1,1-Dichloroethane	5.00	4.97	5.23	99.4	105	70.0-126			5.10	20
1,1-Dichloroethene	5.00	5.07	5.02	101	100	71.0-124			0.991	20
1,1-Dichloropropene	5.00	5.08	5.20	102	104	74.0-126			2.33	20
1,2,3-Trichloropropane	5.00	4.28	4.72	85.6	94.4	73.0-130			9.78	20
1,2-Dibromo-3-Chloropropane	5.00	4.44	4.55	88.8	91.0	58.0-134			2.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026291-1 01/25/24 09:08 • (LCSD) R4026291-2 01/25/24 09:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	4.62	4.62	92.4	92.4	80.0-122			0.000	20
1,2-Dichlorobenzene	5.00	4.89	4.92	97.8	98.4	79.0-121			0.612	20
1,2-Dichloroethane	5.00	4.47	4.82	89.4	96.4	70.0-128			7.53	20
1,2-Dichloropropane	5.00	4.98	5.16	99.6	103	77.0-125			3.55	20
1,3-Dichlorobenzene	5.00	4.97	4.88	99.4	97.6	79.0-120			1.83	20
1,3-Dichloropropane	5.00	4.76	4.80	95.2	96.0	80.0-120			0.837	20
1,4-Dichlorobenzene	5.00	4.94	4.92	98.8	98.4	79.0-120			0.406	20
2,2-Dichloropropane	5.00	5.06	5.18	101	104	58.0-130			2.34	20
2-Butanone (MEK)	25.0	24.5	25.7	98.0	103	44.0-160			4.78	20
2-Hexanone	25.0	23.7	23.4	94.8	93.6	67.0-149			1.27	20
4-Methyl-2-pentanone (MIBK)	25.0	23.7	23.4	94.8	93.6	68.0-142			1.27	20
Acetone	25.0	24.0	24.0	96.0	96.0	19.0-160			0.000	27
Acrolein	25.0	28.8	30.2	115	121	10.0-160			4.75	26
Acrylonitrile	25.0	25.9	27.0	104	108	55.0-149			4.16	20
Allyl chloride	25.0	27.3	27.4	109	110	72.0-128			0.366	23
Benzene	5.00	5.02	5.19	100	104	70.0-123			3.33	20
Bromochloromethane	5.00	5.41	5.69	108	114	76.0-122			5.05	20
Bromodichloromethane	5.00	4.76	5.05	95.2	101	75.0-120			5.91	20
Bromoform	5.00	4.47	4.48	89.4	89.6	68.0-132			0.223	20
Bromomethane	5.00	4.47	4.66	89.4	93.2	10.0-160			4.16	25
Carbon disulfide	5.00	5.29	5.10	106	102	61.0-128			3.66	20
Carbon tetrachloride	5.00	4.80	5.00	96.0	100	68.0-126			4.08	20
Chlorobenzene	5.00	4.95	4.79	99.0	95.8	80.0-121			3.29	20
Chloroethane	5.00	5.78	6.15	116	123	47.0-150			6.20	20
Chloroform	5.00	4.85	5.21	97.0	104	73.0-120			7.16	20
Chloromethane	5.00	5.50	5.35	110	107	41.0-142			2.76	20
Dibromochloromethane	5.00	4.63	4.54	92.6	90.8	77.0-125			1.96	20
Dibromomethane	5.00	4.73	5.04	94.6	101	80.0-120			6.35	20
Dichlorodifluoromethane	5.00	5.01	4.26	100	85.2	51.0-149			16.2	20
Ethylbenzene	5.00	4.83	4.89	96.6	97.8	79.0-123			1.23	20
Iodomethane	25.0	19.9	23.3	79.6	93.2	33.0-147			15.7	26
Methylene Chloride	5.00	5.08	5.21	102	104	67.0-120			2.53	20
Styrene	5.00	4.77	4.68	95.4	93.6	73.0-130			1.90	20
Tetrachloroethene	5.00	5.15	4.88	103	97.6	72.0-132			5.38	20
Toluene	5.00	4.78	4.67	95.6	93.4	79.0-120			2.33	20
Trichloroethene	5.00	5.10	5.29	102	106	78.0-124			3.66	20
Trichlorofluoromethane	5.00	4.59	4.89	91.8	97.8	59.0-147			6.33	20
Vinyl acetate	25.0	30.4	27.7	122	111	11.0-160			9.29	20
Vinyl chloride	5.00	5.56	5.24	111	105	67.0-131			5.93	20
Xylenes, Total	15.0	14.8	14.5	98.7	96.7	79.0-123			2.05	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026291-1 01/25/24 09:08 • (LCSD) R4026291-2 01/25/24 09:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	5.16	5.17	103	103	73.0-120			0.194	20
cis-1,3-Dichloropropene	5.00	5.00	5.10	100	102	80.0-123			1.98	20
trans-1,2-Dichloroethene	5.00	5.18	5.22	104	104	73.0-120			0.769	20
trans-1,3-Dichloropropene	5.00	4.57	4.69	91.4	93.8	78.0-124			2.59	20
trans-1,4-Dichloro-2-butene	5.00	4.12	3.62	82.4	72.4	33.0-144			12.9	20
(S) Toluene-d8				94.8	91.9	80.0-120				
(S) 1,2-Dichloroethane-d4				88.2	90.9	70.0-130				
(S) 4-Bromofluorobenzene				98.8	94.6	77.0-126				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4028382-1 01/30/24 14:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	79.6			14.0-158

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028382-2 01/30/24 15:28 • (LCSD) R4028382-3 01/30/24 16:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	6.79	6.58	136	132	54.0-120	E J4	E J4 P	3.14	20
2,4,5-Tp (Silvex)	5.00	5.18	5.00	104	100	50.0-125	E		3.54	20
2,4-D	5.00	7.80	7.34	156	147	50.0-120	E J4 P	E J4 P	6.08	20
(S) 2,4-Dichlorophenyl Acetic Acid				119	104	14.0-158				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4028384-1 01/30/24 14:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	107			14.0-158

Laboratory Control Sample (LCS)

(LCS) R4028384-2 01/30/24 14:54

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
2,4,5-T	5.00	6.16	123	54.0-120	E J4
2,4,5-Tp (Silvex)	5.00	4.73	94.6	50.0-125	
2,4-D	5.00	6.73	135	50.0-120	E J4 P
(S) 2,4-Dichlorophenyl Acetic Acid			105	14.0-158	

L1699581-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1699581-04 01/31/24 06:49 • (MS) R4028384-3 01/31/24 07:00 • (MSD) R4028384-4 01/31/24 07:11

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
2,4,5-T	4.88	ND	6.37	6.22	131	127	1	54.0-120	E J5 P	E J5	2.38	20
2,4,5-Tp (Silvex)	4.88	ND	5.65	5.59	116	115	1	50.0-125	E P	E	1.07	20
2,4-D	4.88	ND	7.29	7.33	149	150	1	50.0-120	E J5 P	E J5 P	0.547	20
(S) 2,4-Dichlorophenyl Acetic Acid					115	113		14.0-158				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027411-1 01/27/24 12:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	70.5			10.0-128
(S) Tetrachloro-m-xylene	111			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027411-2 01/27/24 12:11 • (LCSD) R4027411-3 01/27/24 12:20

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 %
4,4-DDD	1.00	1.04	0.946	104	94.6	56.0-140			9.47	22
4,4-DDE	1.00	0.995	0.761	99.5	76.1	52.0-128	J3		26.7	22
4,4-DDT	1.00	1.06	0.880	106	88.0	50.0-141			18.6	23
Aldrin	1.00	0.861	0.774	86.1	77.4	22.0-124			10.6	34
Alpha BHC	1.00	0.964	0.799	96.4	79.9	54.0-130			18.7	23
Beta BHC	1.00	0.881	0.735	88.1	73.5	53.0-136			18.1	20
Delta BHC	1.00	0.951	0.826	95.1	82.6	54.0-133			14.1	20
Dieldrin	1.00	0.974	0.920	97.4	92.0	59.0-133			5.70	20
Endosulfan I	1.00	0.975	0.783	97.5	78.3	57.0-131	J3		21.8	20
Endosulfan II	1.00	0.937	0.709	93.7	70.9	58.0-133	J3		27.7	20
Endosulfan sulfate	1.00	0.899	0.855	89.9	85.5	58.0-133			5.02	21
Endrin	1.00	1.02	0.980	102	98.0	57.0-134			4.00	21

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027411-2 01/27/24 12:11 • (LCSD) R4027411-3 01/27/24 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	1.03	0.569	103	56.9	53.0-129		J3 P	57.7	20
Gamma BHC	1.00	0.948	0.788	94.8	78.8	55.0-129			18.4	20
Heptachlor	1.00	1.01	0.906	101	90.6	27.0-132			10.9	31
Heptachlor epoxide	1.00	0.978	0.912	97.8	91.2	57.0-130			6.98	20
Methoxychlor	1.00	1.17	1.12	117	112	54.0-155			4.37	24
<i>(S) Decachlorobiphenyl</i>				73.2	46.2	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				122	77.0	10.0-127				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027411-1 01/27/24 12:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	77.6			10.0-128
(S) Tetrachloro-m-xylene	118			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027411-4 01/27/24 12:29 • (LCSD) R4027411-5 01/27/24 12:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1016	2.50	1.96	2.05	78.4	82.0	36.0-135			4.49	29
PCB 1260	2.50	1.68	2.04	67.2	81.6	42.0-131			19.4	25
(S) Decachlorobiphenyl				29.1	74.5	10.0-128				
(S) Tetrachloro-m-xylene				75.2	89.7	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027229-3 01/28/24 16:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND	U	0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027229-3 01/28/24 16:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	25.5			10.0-120
(S) 2,4,6-Tribromophenol	44.9			10.0-155
(S) p-Terphenyl-d14	53.6			10.0-128
(S) Phenol-d5	16.1			10.0-120
(S) 2-Fluorobiphenyl	37.1			10.0-130
(S) Nitrobenzene-d5	35.5			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4028000-2 01/30/24 13:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,3,5-Trinitrobenzene	ND		1.32	10.0
1,3-Dinitrobenzene	ND		0.359	10.0
1,4-Naphthoquinone	ND		5.56	50.0
1-Naphthylamine	ND		0.289	10.0
2,6-Dichlorophenol	ND		2.77	10.0
2-Acetylaminofluorene	ND		0.253	10.0
2-Naphthylamine	ND		0.195	10.0
3,3-Dimethylbenzidine	ND		3.39	10.0
3-Methylcholanthrene	ND		0.164	10.0
4-Aminobiphenyl	ND		0.461	10.0
5-Nitro-o-toluidine	ND		1.99	10.0
Chlorobenzilate	ND		1.33	50.0
Diallate	ND		0.524	10.0
Dimethoate	ND		1.44	50.0
Dimethylbenz (A) Anthracene	ND		1.71	10.0
Dinoseb	ND		17.9	50.0
Diphenylamine	ND		1.19	10.0
Disulfoton	ND		0.267	10.0
Ethyl methanesulfonate	ND		0.326	10.0
Ethyl parathion	ND		0.379	10.0
Famphur	ND		1.06	20.0
Hexachloropropene	ND		0.149	50.0
Isodrin	ND		0.293	10.0
Isosafrole	ND		0.409	10.0
Kepone	ND		1.88	20.0
Methapyrilene	ND		4.25	50.0
Methyl methanesulfonate	ND		0.647	50.0
Methyl parathion	ND		0.213	10.0
O,O,O-Triethyl Phosphorothioate	ND		0.537	10.0
P-(Dimethylamino) Azobenzene	ND		0.208	10.0
Pentachlorobenzene	ND		0.369	10.0
Pentachloronitrobenzene	ND		0.327	10.0
Phenacetin	ND		0.262	10.0
Phorate	ND		0.382	50.0
Pronamide	ND		0.265	10.0
Safrole	ND		0.259	10.0
Thionazin	ND		0.204	10.0
n-Nitrosodi-n-butylamine	ND		0.331	10.0
n-Nitrosodiethylamine	ND		0.497	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4028000-2 01/30/24 13:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
n-Nitrosomethylethylamine	ND		1.71	10.0
n-Nitrosopiperidine	ND		0.268	10.0
n-Nitrosopyrrolidine	ND		2.55	10.0
o-Toluidine	ND		0.362	10.0
p-Phenylenediamine	ND		387	6900

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027229-1 01/28/24 15:30 • (LCSD) R4027229-2 01/28/24 15:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,2,4,5-Tetrachlorobenzene	50.0	27.1	31.5	54.2	63.0	31.0-121			15.0	27
1,2,4-Trichlorobenzene	50.0	20.8	25.4	41.6	50.8	24.0-120			19.9	29
2,2-Oxybis(1-Chloropropane)	50.0	17.3	21.9	34.6	43.8	28.0-120			23.5	31
2,3,4,6-Tetrachlorophenol	50.0	31.9	34.6	63.8	69.2	42.0-132			8.12	22
2,4,5-Trichlorophenol	50.0	29.8	31.3	59.6	62.6	44.0-120			4.91	22
2,4,6-Trichlorophenol	50.0	27.3	29.5	54.6	59.0	42.0-120			7.75	23
2,4-Dichlorophenol	50.0	25.0	27.0	50.0	54.0	36.0-120			7.69	26
2,4-Dimethylphenol	50.0	27.6	32.5	55.2	65.0	33.0-120			16.3	26
2,4-Dinitrophenol	50.0	30.3	34.5	60.6	69.0	10.0-120			13.0	39
2,4-Dinitrotoluene	50.0	32.3	36.8	64.6	73.6	49.0-124			13.0	20
2,6-Dinitrotoluene	50.0	30.9	33.9	61.8	67.8	46.0-120			9.26	21
2-Chloronaphthalene	50.0	21.0	24.5	42.0	49.0	37.0-120			15.4	25
2-Chlorophenol	50.0	17.8	20.9	35.6	41.8	25.0-120			16.0	35
2-Methylnaphthalene	50.0	21.5	24.7	43.0	49.4	33.0-120			13.9	25
2-Methylphenol	50.0	18.6	19.5	37.2	39.0	28.0-120			4.72	29
2-Nitroaniline	50.0	28.7	31.0	57.4	62.0	43.0-120			7.71	22
2-Nitrophenol	50.0	22.3	27.4	44.6	54.8	31.0-120			20.5	29
3&4-Methyl Phenol	50.0	20.4	21.4	40.8	42.8	31.0-120			4.78	30
3,3-Dichlorobenzidine	100	64.1	67.4	64.1	67.4	44.0-120			5.02	20
3-Nitroaniline	50.0	28.4	31.1	56.8	62.2	38.0-120			9.08	21
4,6-Dinitro-2-methylphenol	50.0	34.5	38.8	69.0	77.6	38.0-138			11.7	25
4-Bromophenyl-phenylether	50.0	30.9	33.4	61.8	66.8	45.0-120			7.78	20
4-Chloro-3-methylphenol	50.0	28.3	28.5	56.6	57.0	40.0-120			0.704	21
4-Chloroaniline	50.0	24.5	22.8	49.0	45.6	25.0-120			7.19	25
4-Chlorophenyl-phenylether	50.0	30.3	32.5	60.6	65.0	44.0-120			7.01	20
4-Nitroaniline	50.0	30.9	33.3	61.8	66.6	18.0-160			7.48	21
4-Nitrophenol	50.0	10.4	12.0	20.8	24.0	10.0-120			14.3	33
Acenaphthene	50.0	23.7	26.0	47.4	52.0	41.0-120			9.26	22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027229-1 01/28/24 15:30 • (LCSD) R4027229-2 01/28/24 15:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	50.0	23.7	25.9	47.4	51.8	43.0-120			8.87	22
Acetophenone	50.0	20.5	25.8	41.0	51.6	29.0-120			22.9	28
Anthracene	50.0	29.2	32.0	58.4	64.0	45.0-120			9.15	20
Benzo(A)Anthracene	50.0	29.3	33.6	58.6	67.2	47.0-120			13.7	20
Benzo(a)pyrene	50.0	32.2	36.6	64.4	73.2	47.0-120			12.8	20
Benzo(b)fluoranthene	50.0	31.8	37.6	63.6	75.2	46.0-120			16.7	20
Benzo(g,h,i)perylene	50.0	31.0	36.0	62.0	72.0	48.0-121			14.9	20
Benzo(k)fluoranthene	50.0	31.2	34.7	62.4	69.4	46.0-120			10.6	21
Benzyl Alcohol	50.0	21.0	23.4	42.0	46.8	25.0-120			10.8	26
Benzylbutyl phthalate	50.0	29.9	34.5	59.8	69.0	43.0-121			14.3	20
Bis(2-Ethylhexyl)phthalate	50.0	30.3	34.3	60.6	68.6	43.0-122			12.4	20
Bis(2-chlorethoxy)methane	50.0	23.1	26.2	46.2	52.4	33.0-120			12.6	24
Bis(2-chloroethyl)ether	50.0	19.9	24.7	39.8	49.4	23.0-120			21.5	33
Chrysene	50.0	29.6	34.2	59.2	68.4	48.0-120			14.4	20
Di-n-butyl phthalate	50.0	33.4	37.9	66.8	75.8	49.0-121			12.6	20
Di-n-octyl phthalate	50.0	31.3	36.0	62.6	72.0	42.0-125			14.0	20
Dibenz(a,h)anthracene	50.0	33.1	38.2	66.2	76.4	47.0-120			14.3	20
Dibenzofuran	50.0	25.2	27.4	50.4	54.8	44.0-120			8.37	22
Diethyl phthalate	50.0	33.8	38.5	67.6	77.0	48.0-122			13.0	20
Dimethyl phthalate	50.0	32.0	35.2	64.0	70.4	48.0-120			9.52	20
Diphenylamine	50.0	26.6	28.8	53.2	57.6	35.0-120			7.94	20
Fluoranthene	50.0	33.1	37.6	66.2	75.2	51.0-120			12.7	20
Fluorene	50.0	27.8	29.5	55.6	59.0	47.0-120			5.93	20
Hexachloro-1,3-butadiene	50.0	24.3	29.8	48.6	59.6	19.0-120			20.3	32
Hexachlorobenzene	50.0	31.8	34.9	63.6	69.8	44.0-120			9.30	20
Hexachlorocyclopentadiene	50.0	11.6	11.4	23.2	22.8	15.0-120			1.74	31
Hexachloroethane	50.0	18.3	24.4	36.6	48.8	15.0-120			28.6	37
Indeno(1,2,3-cd)pyrene	50.0	32.2	37.6	64.4	75.2	49.0-122			15.5	20
Isophorone	50.0	25.2	27.9	50.4	55.8	36.0-120			10.2	23
Naphthalene	50.0	19.3	23.0	38.6	46.0	27.0-120			17.5	27
Nitrobenzene	50.0	21.8	26.3	43.6	52.6	27.0-120			18.7	29
Pentachlorophenol	50.0	19.3	21.8	38.6	43.6	23.0-120			12.2	25
Phenanthrene	50.0	27.5	30.3	55.0	60.6	46.0-120			9.69	20
Phenol	50.0	9.92	10.8	19.8	21.6	10.0-120			8.49	36
Pyrene	50.0	27.4	31.2	54.8	62.4	47.0-120			13.0	20
n-Nitrosodi-n-propylamine	50.0	23.4	26.8	46.8	53.6	31.0-120			13.5	28
n-Nitrosodimethylamine	50.0	18.6	18.2	37.2	36.4	10.0-120			2.17	40
n-Nitrosodiphenylamine	50.0	26.6	28.8	53.2	57.6	47.0-120			7.94	20
(S) 2-Fluorophenol				25.3	27.1	10.0-120				
(S) 2,4,6-Tribromophenol				66.5	70.5	10.0-155				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027229-1 01/28/24 15:30 • (LCSD) R4027229-2 01/28/24 15:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
(S) p-Terphenyl-d14				58.5	66.4	10.0-128				
(S) Phenol-d5				23.2	19.0	10.0-120				
(S) 2-Fluorobiphenyl				45.1	48.8	10.0-130				
(S) Nitrobenzene-d5				42.3	50.7	10.0-127				

Laboratory Control Sample (LCS)

(LCS) R4028000-1 01/30/24 13:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,3,5-Trinitrobenzene	50.0	38.6	77.2	37.0-147	
1,3-Dinitrobenzene	50.0	31.5	63.0	34.0-120	
1,4-Naphthoquinone	50.0	3.72	7.44	50.0-150	<u>J4</u>
1-Naphthylamine	50.0	23.0	46.0	19.0-120	
2,6-Dichlorophenol	50.0	23.5	47.0	19.0-136	
2-Acetylaminofluorene	50.0	48.9	97.8	32.0-120	
2-Naphthylamine	50.0	13.4	26.8	10.0-120	
3,3-Dimethylbenzidine	50.0	15.4	30.8	13.0-120	
3-Methylcholanthrene	50.0	37.4	74.8	30.0-160	
4-Aminobiphenyl	50.0	25.3	50.6	20.0-120	
5-Nitro-o-toluidine	50.0	38.3	76.6	34.0-120	
Chlorobenzilate	50.0	36.7	73.4	29.0-128	
Diallate	50.0	30.7	61.4	30.0-120	
Dimethoate	50.0	35.3	70.6	11.0-134	
Dimethylbenz (A) Anthracene	50.0	28.0	56.0	14.0-124	
Dinoseb	50.0	37.4	74.8	39.0-120	
Diphenylamine	50.0	32.0	64.0	35.0-120	
Disulfoton	50.0	37.1	74.2	32.0-120	
Ethyl methanesulfonate	50.0	20.3	40.6	10.0-120	
Ethyl parathion	50.0	43.9	87.8	46.0-130	
Famphur	50.0	43.5	87.0	32.0-120	
Hexachloropropene	50.0	17.3	34.6	10.0-120	
Isodrin	50.0	26.5	53.0	22.0-157	
Isosafrole	50.0	25.7	51.4	25.0-133	
Kepone	50.0	32.0	64.0	10.0-120	
Methapyrilene	50.0	6.58	13.2	10.0-120	
Methyl methanesulfonate	50.0	16.5	33.0	10.0-120	
Methyl parathion	50.0	48.3	96.6	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	28.5	57.0	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4028000-1 01/30/24 13:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
P-(Dimethylamino) Azobenzene	50.0	35.1	70.2	27.0-120	
Pentachlorobenzene	50.0	23.4	46.8	25.0-120	
Pentachloronitrobenzene	50.0	32.6	65.2	34.0-132	
Phenacetin	50.0	35.0	70.0	34.0-127	
Phorate	50.0	39.5	79.0	13.0-160	
Pronamide	50.0	34.9	69.8	38.0-130	
Safrole	50.0	23.4	46.8	21.0-120	
Thionazin	50.0	41.6	83.2	38.0-121	
n-Nitrosodi-n-butylamine	50.0	32.5	65.0	13.0-143	
n-Nitrosodiethylamine	50.0	22.4	44.8	10.0-120	
n-Nitrosomethylethylamine	50.0	19.9	39.8	10.0-120	
n-Nitrosopiperidine	50.0	21.9	43.8	10.0-160	
n-Nitrosopyrrolidine	50.0	25.2	50.4	10.0-124	
o-Toluidine	50.0	17.8	35.6	10.0-120	
p-Phenylenediamine	50.0	0.0433	0.0866	50.0-150	<u>J4</u>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

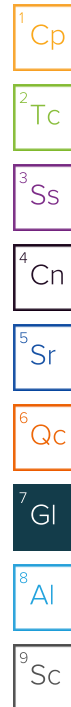
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Shipping information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres
Chk

Report to:
Jodi Reynolds

Email To:
ciara.childers.beavers@jettenviro.com;jeffholm

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State Collected:
Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Walker

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately Packed on Ice N Y

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No. of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl
LGW-5	grab	GW	72.1	1/21/24	1450	X	X	X	X	X	X	X	X	X	
LGW-6		GW				X	X	X	X	X	X	X	X	X	
LGW-7		GW				X	X	X	X	X	X	X	X	X	
LGW-8R		GW				X	X	X	X	X	X	X	X	X	
LGW-9		GW	11.3	1/21/24	1605	X	X	X	X	X	X	X	X	X	
LGW-10		GW				X	X	X	X	X	X	X	X	X	
LGW-14R		GW				X	X	X	X	X	X	X	X	X	
MW-1N		GW				X	X	X	X	X	X	X	X	X	
MW-2N		GW				X	X	X	X	X	X	X	X	X	
MW-3N		GW	48.9	1/22/24	1515	X	X	X	X	X	X	X	X	X	



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # **U693390**
E133

Acctnum: **WMECOVISAR**
Template: **T243781**
Prelogin: **P1044859**
PM: **616 - Stacy Kennedy**
PB:

Shipped Via: **FedEx Ground**

Remarks Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

PH-10BDH6021 TRC-2352362
CR6-20221V

Samples returned via:
 UPS FedEx Courier

Tracking #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

Hold:

Condition:
NCF / OK

[Handwritten Signature]
1/22/24 1110
[Handwritten Signature]
1/22/24 1112
[Handwritten Signature]
1/22/24 1000

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 4 of 6



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubfs/pas-standard-terms.pdf>

Report to:
Jodi Reynolds

Email To:
ciara.childers.beavers@jettenviro.com; jeffholm

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State Collected: Please Circle:
PT MT CT ET

Phone: **501-993-8966**

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Jodi Reynolds

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
Jodi Reynolds

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

LGW-5	grab	GW	72.1	1/21/24	1450	16	
LGW-6	↓	GW				16	
LGW-7		GW				16	
LGW-8R		GW	11.3	1/21/24	1605	16	
LGW-9		GW				16	
LGW-10		GW				16	
LGW-14R		GW				16	
MW-1N		GW				16	
MW-2N		GW				16	
MW-3N		↓	GW	48.9	1/20/24	1515	16

V8260LL TB 40mlAmb-HCl-Bik
V8260LLAP9 40mlAmb-HCl
V8260LLAP9 TB 40mlAmb-HCl-Bik
WetChem 125mlHDPE-NoPres

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:
 UPS FedEx Courier

Tracking #

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist	
COC Seal Present/Intact:	NP <input type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature) *Jodi Reynolds* Date: 1/22/24 Time: 1110
Received by: (Signature)

Trip Blank Received: Yes No
HCL / MeOH
TBR

Relinquished by: (Signature) Date: Time: Received by: (Signature)

Temp: °C Bottles Received: If preservation required by Login: Date/Time

Relinquished by: (Signature) Date: Time: Received by: (Signature)

Date: 1/24/24 Time: 1000 Hold: Condition: NCP / OK

Company Name/Address:

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:

jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to:
Jodi Reynolds

Email To:
ciara.childers.beavers@jettenviro.com;jeffholm

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Brian Wallen

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed

Immediately
Packed on Ice N Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

MW-7N	grob	GW				16
MW-8N		GW				16
MW-10N		GW	40.0	1/20/24	1300	16
MW-11N		GW				16
MW-15		GW				16
MW-16		GW				16
MW-17		GW				16
MW-19		GW				16
MW-20		GW				16
MW-21		GW	25.5	1/20/24	1200	16

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:

Samples returned via:
 UPS FedEx Courier _____

Tracking #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: Time:

Hold:

Condition:
NG / OK

Analysis / Container / Preservative

Chain of Custody Page 1 of 9



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

SDG # *U698390*

Table #

Acctnum: WMECOVISAR

Template: T243781

Prelogin: P1044859

PM: 616 - Stacy Kennedy

PB:

Shipped Via: FedEX Ground

Remarks | Sample # (lab only)

Sample Receipt Checklist

COC Seal Present/Intact: NP Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres
Chk

Analysis / Container / Preservative



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to: **Jodi Reynolds**
Email To: **ciara.childers.beavers@jettenviro.com;jeffholm**

Project Description: **Eco-Vista LF- Tri-Annual Event '18 '21 '24**
City/State Collected: _____ Please Circle: PT MT CT ET

Phone: **501-993-8966**
Client Project #: **300**
Lab Project #: **WMECOVISAR-00013**

Collected by (print): **Ryan Waller**
Site/Facility ID #: **AR03**
P.O. #: _____

Collected by (signature): *[Signature]*
Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Date Results Needed: _____
 No. of Cntrs: _____

Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs

MW-7N	grab	GW				16
MW-8N		GW				16
MW-10N		GW	40.0	1/20/24	1300	16
MW-11N		GW				16
MW-15		GW				16
MW-16		GW				16
MW-17		GW				16
MW-19		GW				16
MW-20		GW				16
MW-21		GW	26.5	1/20/24	1200	16

V8260LL TB 40mlAmb-HCl-Bik	V8260LLAP9 40mlAmb-HCl	V8260LLAP9 TB 40mlAmb-HCl-Bik	WetChem 125mlHDPE-NoPres																
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	

SDG # **U698390**
 Table # _____
 Acctnum: **WMECOVISAR**
 Template: **T243781**
 Prelogin: **P1044859**
 PM: **616 - Stacy Kennedy**
 PB: _____
 Shipped Via: **FedEX Ground**
 Remarks | Sample # (lab only)

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other _____

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____
 Samples returned via: _____ Tracking # _____
 ___ UPS ___ FedEx ___ Courier _____

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) <i>[Signature]</i>	Date: 1/22/24	Time: 1100	Received by: (Signature) _____	Trip Blank Received: Yes/No <input checked="" type="checkbox"/> No	HCL/MeoH TBR
Relinquished by: (Signature) _____	Date: _____	Time: _____	Received by: (Signature) _____	Temp: _____ °C	Bottles Received: _____
Relinquished by: (Signature) _____	Date: _____	Time: _____	Received for lab by: (Signature) <i>[Signature]</i>	Date: 1/24/24	Time: 1000
					Hold: _____
					Condition: NCF / OK

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



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to:
Jodi Reynolds

Email To:
ciara.childers.beavers@jettenviro.com;jeffholm

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State Collected: Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Wullen

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Immediately

Packed on Ice N ___ Y X

No. of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

TRIP BLANK 1	grab	GW				2
MW-22		GW	61.2	1/21/24	1040	8
MW-23		GW	72.3	1/21/24	1110	8
MW-24		GW	72.2	1/21/24	1144	8
MW-25		GW				8
FB 2		GW		1/21/24	1040	8
TRIP BLANK 2		GW			NF	2
		GW			1/24/24	16
		GW				16

8081/8082 100ml Amb-NoPres	8270AP9 100ml Amb NoPres	CN 250mlHDPEAmb-NaOH	Metals 250mlHDPE-HNO3	NH3,NO2NO3 250mlHDPE-H2SO4	SULFIDE 250mlAmb-S-NaOH+ZnAc	SV8151 1L-Amb-No Pres	TDS 1L-HDPE NoPres	TOC 250mlAmb-HCl	V8260LL 40mlAmb-HCl
----------------------------	--------------------------	----------------------	-----------------------	----------------------------	------------------------------	-----------------------	--------------------	------------------	---------------------

SDG # *41698390*

Table #

Acctnum: WMECOVISAR
Template: T243781
Prelogin: P1044859
PM: 616 - Stacy Kennedy
PB:

Shipped Via: **FedEX Ground**

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:
___ UPS ___ FedEx ___ Courier

Tracking #

pH ___ Temp ___
Flow ___ Other ___

Sample Receipt Checklist

COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N
RAD Screen <0.5 mR/hr: ___ Y ___ N

Relinquished by: (Signature)

Date: 1/22/24

Time: 1110

Received by: (Signature)

Trip Blank Received: Yes/No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 1/24/24

Time: 1000

Hold:

Condition:
NG / OK

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 4 of 6



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to: **Jodi Reynolds**
Email To: **ciara.childers.beavers@jettenviro.com;jeffholm**

Project Description: **Eco-Vista LF- Tri-Annual Event '18 '21 '24**
City/State Collected: _____ Please Circle: PT MT CT ET

Phone: **501-993-8966**
Client Project #: **300**
Lab Project #: **WMECOVISAR-00013**

Collected by (print): **Ryan Walker**
Site/Facility ID #: **AR03**
P.O. #: _____

Collected by (signature): *[Signature]*
Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Date Results Needed: _____
 No. of Cntrs: _____

Sample ID: _____ Comp/Grab: _____ Matrix*: _____ Depth: _____ Date: _____ Time: _____

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
TRIP BLANK 1	grab	GW				2
MW-22		GW	61.2	1/21/24	1040	8
MW-23		GW	72.3	1/21/24	1110	8
MW-24		GW	72.2	1/21/24	1144	8
MW-25		GW				8
FB 2		GW				8
TRIP BLANK 2		GW				2
		GW				16
		GW				16

V8260LL TB 40mlAmb-HCl-Bik
V8260LLAP9 40mlAmb-HCl
V8260LLAP9 TB 40mlAmb-HCl-Bik
WetChem 125mlHDPE-NoPres

SDG #: **L1698390**
Table #: _____
Acctnum: **WMECOVISAR**
Template: **T243781**
Prelogin: **P1044859**
PM: **616 - Stacy Kennedy**
PB: _____
Shipped Via: **FedEX Ground**
Remarks: _____ Sample #: (lab only) _____

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks: _____
pH _____ Temp _____
Flow _____ Other _____
Samples returned via: _____ Tracking #: _____
 UPS FedEx Courier

Sample Receipt Checklist		
COC Seal Present/intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by: (Signature) *[Signature]* Date: **1/22/24** Time: **1110**
 Received by: (Signature) _____ Trip Blank Received: Yes/No No
 HCL/MeOH TBR
 Temp: _____ °C Bottles Received: _____ If preservation required by Login: Date/Time _____
 Relinquished by: (Signature) _____ Date: _____ Time: _____
 Received for lab by: (Signature) *[Signature]* Date: **1/24/24** Time: **1000**
 Hold: _____ Condition: **NCP / OK**

FIELD INFORMATION FORM



Site Name: EVLF

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: _____

Site No.: _____ Sample Point: MW-24
Sample ID

PURGE INFO
PURGE DATE (MM DD YY): 01/21/24 PURGE TIME (2400 Hr Clock): 11:30 ELAPSED HRS (hrs:min): _____
WATER VOL IN CASING (Gallons): _____ ACTUAL VOL PURGED (Gallons): _____ WELL VOLS PURGED _____

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
Purging and Sampling Equipment ... Dedicated: Y or N
Filter Device: Y or N 0.45 μ or _____ μ (circle or fill in)
Purging Device: C A-Submersible Pump D-Bailer Filter Type: _____ A-In-line Disposable C-Vacuum
Sampling Device: C B-Peristaltic Pump E-Piston Pump B-Pressure X-Other _____
X-Other: _____ Sample Tube Type: V A-Teflon C-PVC X-Other: _____
B-Stainless Steel D-Polypropylene

WELL DATA
Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 71.61 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>11:34</u>	<u>300</u> 1 st	<u>6.98</u> 1 st	<u>544</u>	<u>12.1</u>	<u>14.2</u>	<u>1.4</u>	<u>-86.2</u>	<u>72.0</u>
<u>11:39</u>	<u>200</u> 2 nd	<u>6.80</u> 2 nd	<u>652</u>	<u>13.7</u>	<u>32.2</u>	<u>4.9</u>	<u>-79.1</u>	<u>72.2</u>
<u>11:44</u>	<u>300</u> 3 rd	<u>6.80</u> 3 rd	<u>658</u>	<u>13.4</u>	<u>11.8</u>	<u>5.1</u>	<u>110.4</u>	<u>72.2</u>
_____	_____ 4 th	_____ 4 th	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/State. 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): 01/21/24 pH (std): 6.80 CONDUCTANCE (μmhos/cm @ 25°C): 658 TEMP. (°C): 13.4 TURBIDITY (ntu): 11.8 DO (mg/L-ppm): 5.1 eH/ORP (mV): 110.4 Other: _____
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/State).

Sample Appearance: clear Odor: NO 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):
Flow rate was slowing down as water level dropped so I sampled quickly

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
1/21/24 Ryan Walker [Signature] PROMIS
Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM

Site Name: EVLF

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).

 Site No.: Sample Point: MW-10N
 Sample ID

Laboratory Use Only/Lab ID: _____

 PURGE INFO
 PURGE DATE (MM DD YY): 01/20/24 PURGE TIME (2400 Hr Clock): 11:30 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons): ACTUAL VOL PURGED (Gallons): WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

 PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N Filter Device: Y or N 0.45 μ or _____ μ (circle or fill in)
 Purging Device: C A-Submersible Pump D-Bailer Filter Type: _____ A-In-line Disposable C-Vacuum
 Sampling Device: C B-Peristaltic Pump E-Piston Pump B-Pressure X-Other: _____
 X-Other: _____ C-QED Bladder Pump F-Dipper/Bottle Sample Tube Type: D A-Teflon C-PVC X-Other: _____
 B-Stainless Steel D-Polypropylene

 WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 31.52 (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 PVC
 Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>12:40</u>	<u>200</u> 1 st	<u>5.68</u> 1 st	<u>277</u>	<u>8.3</u>	<u>28.8</u>	<u>1.0</u>	<u>-1.8</u>
	<u>12:45</u>	<u>200</u> 2 nd	<u>6.94</u> 2 nd	<u>475</u>	<u>11.8</u>	<u>4.9</u>	<u>0.5</u>	<u>-8.15</u>	<u>36.3</u>
	<u>12:50</u>	<u>200</u> 3 rd	<u>7.20</u> 3 rd	<u>475</u>	<u>12.0</u>	<u>4.3</u>	<u>0.5</u>	<u>-1.125</u>	<u>37.5</u>
	<u>12:55</u>	<u>200</u> 4 th	<u>7.32</u> 4 th	<u>473</u>	<u>12.0</u>	<u>3.9</u>	<u>0.4</u>	<u>-1.322</u>	<u>38.7</u>
	<u>13:00</u>	<u>200</u>	<u>7.35</u>	<u>472</u>	<u>11.8</u>	<u>4.0</u>	<u>0.4</u>	<u>-1.418</u>	<u>40.0</u>
			+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Suggested range for 3 consec. readings or note Permit/State requirements:

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): 01/20/24 pH (std): 7.35 CONDUCTANCE (umhos/cm @ 25 °C): 472 TEMP. (°C): 11.8 TURBIDITY (ntu): 4.0 DO (mg/L-ppm): 0.4 eH/ORP (mV): -1.418 Other: _____
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

 Sample Appearance: clear Odor: NO 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):

1/20/24 Ryan Waller [Signature] PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:

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:

PURGE INFO
 PURGE DATE: 01/20/24 PURGE TIME: 1145ST ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Purging Device: C A-Submersible Pump D-Bailer
 Filter Type: A-In-line Disposable C-Vacuum
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 B-Pressure X-Other:
 X-Other: Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 48.8 (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: PVC

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μ mhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
15:00	350 1 st	7.21	501	13.1	734	3.6	-40.6	48.8
15:05	350 2 nd	6.40	582	10.7	4.6	1.0	38.9	48.8
15:10	350 3 rd	6.37	564	11.3	4.4	0.7	56.6	48.9
15:15	350 4 th	6.38	564	10.1	3.8	0.6	64.7	48.9

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/20/24 pH (std): 6.38 CONDUCTANCE (umhos/cm @ 25°C): 564 TEMP. (°C): 10.1 TURBIDITY (ntu): 3.8 DO (mg/L-ppm): 0.6 eH/ORP (mV): 64.7 Other:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: No 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):
1/20/24 Ryan Walker [Signature] PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF

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: _____

Site No.: Sample Point: LGW-5
Sample ID

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
<u>01/21/24</u>	<u>14:30</u>	<u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u>	<u> </u> <u> </u> <u> </u> <u> </u>

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: Y or N Filter Device: Y or N 0.45 μ or μ (circle or fill in)

Purging Device: A-Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
Sampling Device: C-QED Bladder Pump F-Dipper/Bottle
X-Other: Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 72.10 (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 PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>14:35</u>	<u>200</u> 1 st	<u>6.82</u> 1 st	<u>605</u>	<u>5.4</u>	<u>258</u>	<u>5.3</u>	<u>49.3</u>	<u>72.1</u>
<u>14:40</u>	<u>200</u> 2 nd	<u>6.47</u> 2 nd	<u>729</u>	<u>10.2</u>	<u>10.8</u>	<u>5.2</u>	<u>14.4</u>	<u>72.1</u>
<u>14:45</u>	<u>200</u> 3 rd	<u>6.43</u> 3 rd	<u>765</u>	<u>9.2</u>	<u>7.5</u>	<u>3.4</u>	<u>16.2</u>	<u>72.1</u>
<u>14:50</u>	<u>200</u> 4 th	<u>6.42</u> 4 th	<u>764</u>	<u>8.5</u>	<u>6.8</u>	<u>2.8</u>	<u>20.9</u>	<u>72.1</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements: +/- 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
<u>01/21/24</u>	<u>6.42</u>	<u>764</u>	<u>8.5</u>	<u>6.8</u>	<u>2.8</u>	<u>20.9</u>	<u> </u>

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: NO 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):

1/21/24 Ryan Warren [Signature] PROMUS
Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: LGW-8B
 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:

PURGE INFO
 PURGE DATE (MM DD YY): 01/21/24
 PURGE TIME (2400 Hr Clock): 15:40
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ "Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged". Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or **Filter Device:** Y or 0.45 μ or μ (circle or fill in)
 Purging Device: C A-Submersible Pump D-Bailer **Filter Type:** A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle A-Teflon C-PVC X-Other:
 X-Other: Sample Tube Type: D B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 11.10 (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 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) (μ mhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
15:50	375 1 st	6.46	681	10.9	81	2.3	43.6	1.13
15:55	375 2 nd	6.51	754	13.3	3.9	0.7	64.7	1.13
16:00	375 3 rd	6.50	751	13.9	3.9	0.4	78.9	1.13
16:05	375 4 th	6.49	747	13.8	3.8	0.4	60.3	1.13

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: - Turbidity: - D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/21/24
 pH (std): 6.44
 CONDUCTANCE (umhos/cm @ 25°C): 747
 TEMP. (°C): 13.8
 TURBIDITY (ntu): 3.8
 DO (mg/L-ppm): 0.4
 eH/ORP (mV): 60.3
 Other:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
1, 21, 24 Rygo Walker Jim Lee pramus
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.: Sample Point: MW-22
 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:

PURGE INFO
 PURGE DATE: 01/21/24 PURGE TIME: 10:25 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
(MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons)
 Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Purging Device: C A-Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 61.17 (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: 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)
10:30	300 1 st	6.04	424	16.2	644	2.4	1437	61.1
10:35	300 2 nd	5.97	422	16.6	653	2.2	1479	61.1
10:40	300 3 rd	5.96	414	16.5	288	0.8	1506	61.2
	4 th							

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/21/24 pH (std): 5.96 CONDUCTANCE (μmhos/cm @ 25°C): 414 TEMP. (°C): 16.5 TURBIDITY (ntu): 288 DO (mg/L-ppm): 0.8 eH/ORP (mV): 1506 Other:
 Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): 28° Direction/Speed: SE 11mph Outlook: cloudy 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):
1/21/24 Ryan Walker [Signature] PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

<u>Tracking Numbers</u>	<u>Temperature</u>
7210 2110 7920	4.4
7930	1.3
7941	2.7
7952	2.3
7963	6.1
7974	2.3
7985	4.4
7999	5.5

Name

Date

1/23 NCF-WMECOVISAR

469 8390

R5

Time estimate: oh

Time spent: oh

Members



Nicolle Faulk (responsible)



Stacy Kennedy

Due on 30 January 2024 5:00 PM for target Done

- Login Clarification needed
- Chain of custody is incomplete
- Please specify Metals requested
- Please specify TCLP requested
- Received additional samples not listed on COC
- Sample IDs on containers do not match IDs on COC
- Client did not "X" analysis
- Chain of Custody is missing
- If no COC: Received by: _____ Eli D
- If no COC: Date/Time: _____ 1/23 0900
- If no COC: Temp./Cont.Rec./pH: _____ 2.8
- If no COC: Carrier: _____ fedex
- If no COC: Tracking #: _____ 1210 2110 7882
- Client informed by call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: _____
- PM initials: _____
- Client Contact: _____

Comments

- Nicolle Faulk* *23 January 2024 4:33 PM*

 - No COC. P1044859 T243781 IDs: NE-6D, NE-6, NE-5W, NE-5E
 - NE-6 1L-amb received broken, 1 remains.
 - Both trip blanks received broken
- Stacy Kennedy* *23 January 2024 7:31 PM*

Please go ahead and log per P# to meet hold time. Six coolers were shipped together- five have not arrived yet.

Broken containers noted. Continue with analysis.
- Matthew Shacklock* *24 January 2024 3:44 PM*

Logged and goes with Matt S NCF

1/24/24 - NCF L1698390 WMECOVISAR

R5

Time estimate: oh

Time spent: oh

Members

- MS Matthew Shacklock (responsible)
- SK Stacy Kennedy

- Parameter(s) past holding time
- Temperature not in range
- Improper container type
- pH not in range
- Insufficient sample volume
- Sample is biphasic
- Vials received with headspace
- Broken container
- Sufficient sample remains
- If broken container: Insufficient packing material around container
- If broken container: Insufficient packing material inside cooler
- If broken container: Improper handling by carrier: _____
- If broken container: Sample was frozen
- If broken container: Container lid not intact
- Client informed by Call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: _____
- PM initials: _____
- Client Contact: _____ Chris Fincher/Steve Jett _____

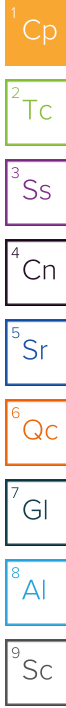
Comments

- Matthew Shacklock* *24 January 2024 2:45 PM*

 1. Received all 4 TB's broken
 2. FB2 not filled out on the chain, but received
- Stacy Kennedy* *24 January 2024 8:57 PM*

Continue with analysis of all samples received. Log/analyze FB2.
- Matthew Shacklock* *26 January 2024 10:27 AM*

Done



Eco-Vista (Tontitown)LF

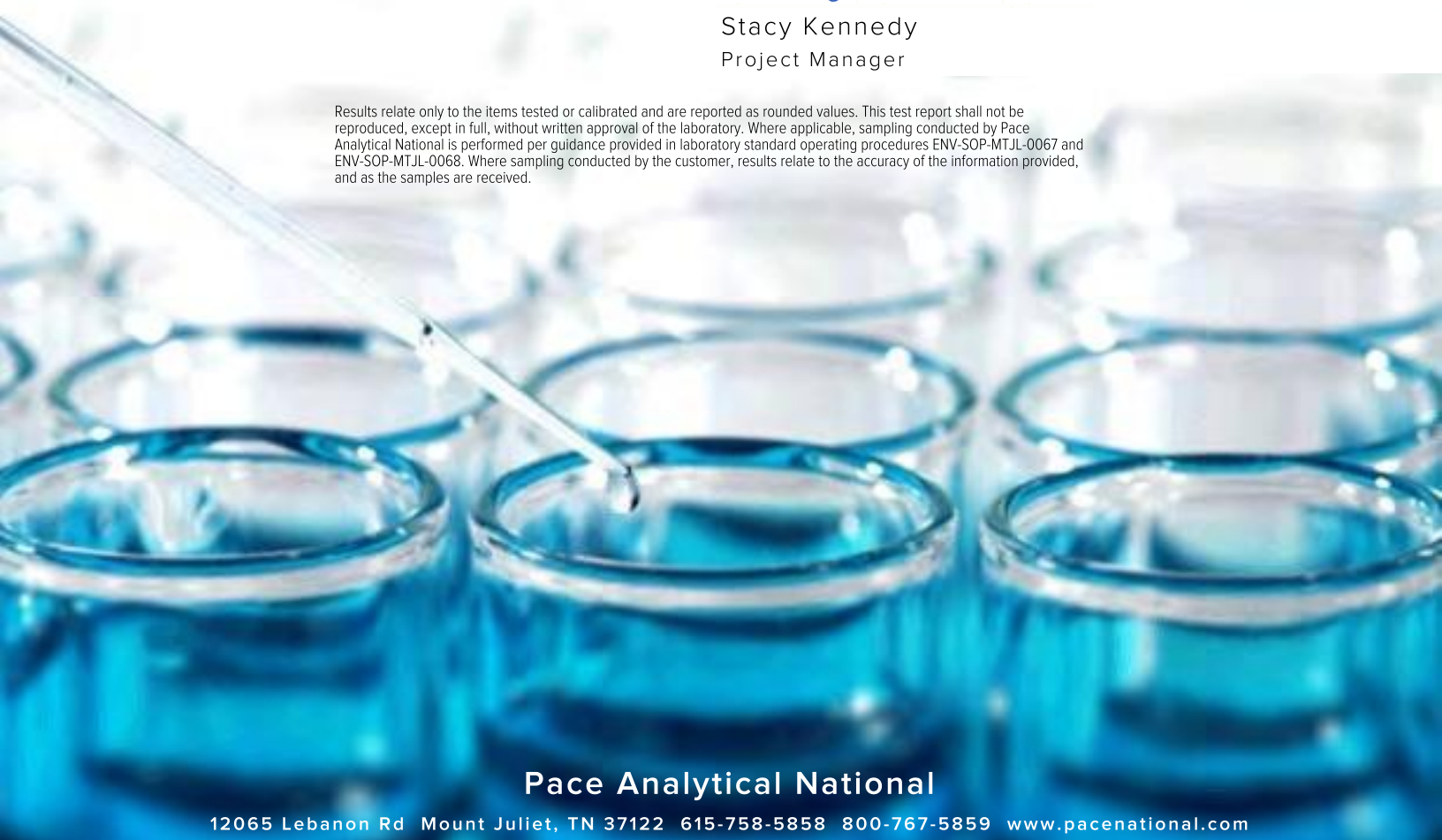
Sample Delivery Group: L1698420
Samples Received: 01/24/2024
Project Number: 300
Description: Eco-Vista LF- Tri-Annual Event '18 '21 '24
Site: AR03
Report To: Jodi Reynolds
88 Joyce Lane
Russellville, AR 72801

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.

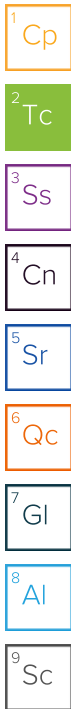


Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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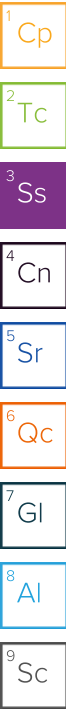


SAMPLE SUMMARY

NE-1 L1698420-01 GW

Collected by: Ryan Wallen
 Collected date/time: 01/17/24 12:40
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:24	01/25/24 12:24	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:22	01/25/24 13:22	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:56	01/25/24 01:56	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:30	01/24/24 20:30	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:42	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 01:12	01/25/24 01:12	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 02:34	01/25/24 02:34	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 10:47	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:34	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 21:56	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 16:33	01/25/24 16:33	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 20:35	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 13:57	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 13:57	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 19:09	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 16:35	JRM	Mt. Juliet, TN



NE-5 L1698420-02 GW

Collected by: Ryan Wallen
 Collected date/time: 01/18/24 10:55
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:34	01/25/24 12:34	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2213730	1	01/26/24 11:29	01/26/24 11:29	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 01:58	01/25/24 01:58	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:31	01/24/24 20:31	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:43	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 01:26	01/25/24 01:26	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 02:50	01/25/24 02:50	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 10:54	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:37	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 22:06	LD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2217702	1	02/02/24 08:23	02/02/24 12:18	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 16:54	01/25/24 16:54	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 22:51	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:06	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:06	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 14:12	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 01:36	DSH	Mt. Juliet, TN

NE-5E L1698420-03 GW

Collected by: Ryan Wallen
 Collected date/time: 01/18/24 11:45
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:38	01/25/24 12:38	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:34	01/25/24 13:34	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:00	01/25/24 02:00	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:32	01/24/24 20:32	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:47	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 01:39	01/25/24 01:39	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 03:04	01/25/24 03:04	SJF	Mt. Juliet, TN

SAMPLE SUMMARY

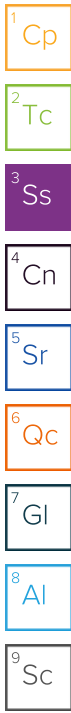
NE-5E L1698420-03 GW

Collected by
Ryan Wallen

Collected date/time
01/18/24 11:45

Received date/time
01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 10:57	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:40	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 22:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 17:15	01/25/24 17:15	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 20:46	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:14	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:14	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 14:34	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 01:53	DSH	Mt. Juliet, TN



NE-5W L1698420-04 GW

Collected by
Ryan Wallen

Collected date/time
01/18/24 10:10

Received date/time
01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:41	01/25/24 12:41	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:35	01/25/24 13:35	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:02	01/25/24 02:02	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:32	01/24/24 20:32	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:52	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 02:20	01/25/24 02:20	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212481	1	01/25/24 03:17	01/25/24 03:17	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 10:59	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:43	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 22:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 17:35	01/25/24 17:35	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 20:58	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:23	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:23	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 14:56	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 02:10	DSH	Mt. Juliet, TN

NE-6 L1698420-05 GW

Collected by
Ryan Wallen

Collected date/time
01/18/24 13:20

Received date/time
01/24/24 13:30

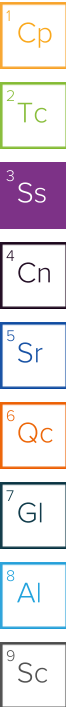
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:45	01/25/24 12:45	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2213730	1	01/26/24 11:34	01/26/24 11:34	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:05	01/25/24 02:05	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:32	01/24/24 20:32	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:53	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 02:34	01/25/24 02:34	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/24/24 21:40	01/24/24 21:40	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:02	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:46	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 22:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 17:56	01/25/24 17:56	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 21:09	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:32	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:32	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 15:17	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 02:28	DSH	Mt. Juliet, TN

SAMPLE SUMMARY

NE-6D L1698420-06 GW

Collected by: Ryan Wallen
 Collected date/time: 01/18/24 12:45
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:49	01/25/24 12:49	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:42	01/25/24 13:42	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:19	01/25/24 02:19	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:32	01/24/24 20:32	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:54	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 03:14	01/25/24 03:14	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/24/24 22:15	01/24/24 22:15	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:04	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:49	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2212918	1	01/25/24 13:14	01/31/24 22:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 18:16	01/25/24 18:16	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 21:20	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:41	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:41	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 15:39	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 02:45	DSH	Mt. Juliet, TN



NE-7 L1698420-07 GW

Collected by: Ryan Wallen
 Collected date/time: 01/17/24 14:00
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 12:53	01/25/24 12:53	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:43	01/25/24 13:43	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:25	01/25/24 02:25	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:33	01/24/24 20:33	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:56	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 03:28	01/25/24 03:28	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/24/24 23:16	01/24/24 23:16	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:11	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 09:57	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2213210	1	01/25/24 14:31	01/25/24 20:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 18:37	01/25/24 18:37	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 23:03	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:50	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:50	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 19:32	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 16:53	JRM	Mt. Juliet, TN

LGW-2 L1698420-08 GW

Collected by: Ryan Wallen
 Collected date/time: 01/17/24 16:05
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 14:24	01/25/24 14:24	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:45	01/25/24 13:45	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:27	01/25/24 02:27	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:33	01/24/24 20:33	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212469	1	01/24/24 16:28	01/25/24 13:57	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 03:42	01/25/24 03:42	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/24/24 23:33	01/24/24 23:33	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:14	LAS	Mt. Juliet, TN

SAMPLE SUMMARY

LGW-2 L1698420-08 GW

Collected by
Ryan Wallen
Collected date/time
01/17/24 16:05
Received date/time
01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 10:00	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2213297	1	01/29/24 00:29	01/30/24 18:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 18:57	01/25/24 18:57	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 21:32	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 14:59	HLA	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 14:59	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 19:54	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 17:10	JRM	Mt. Juliet, TN

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

LGW-3R L1698420-09 GW

Collected by
Ryan Wallen
Collected date/time
01/18/24 15:40
Received date/time
01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 14:43	01/25/24 14:43	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:51	01/25/24 13:51	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	1	01/25/24 02:29	01/25/24 02:29	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:33	01/24/24 20:33	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212473	1	01/25/24 17:47	01/26/24 10:58	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 03:55	01/25/24 03:55	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/24/24 23:50	01/24/24 23:50	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:17	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 10:03	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2213297	1	01/29/24 00:29	01/30/24 18:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 19:18	01/25/24 19:18	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 23:14	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 15:07	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 15:07	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 16:01	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 03:03	DSH	Mt. Juliet, TN

LGW-4 L1698420-10 GW

Collected by
Ryan Wallen
Collected date/time
01/17/24 15:10
Received date/time
01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 14:52	01/25/24 14:52	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:52	01/25/24 13:52	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212584	2	01/25/24 02:31	01/25/24 02:31	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:33	01/24/24 20:33	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212473	1	01/25/24 17:47	01/26/24 11:00	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 04:09	01/25/24 04:09	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/25/24 00:07	01/25/24 00:07	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:19	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 10:06	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2213297	1	01/29/24 00:29	01/30/24 18:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 19:38	01/25/24 19:38	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 22:17	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212747	1	01/25/24 10:49	01/26/24 13:24	MEW	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212747	1	01/25/24 10:49	01/26/24 13:24	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/28/24 21:43	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212749	1	01/25/24 13:51	01/30/24 17:45	JRM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-8N L1698420-11 GW

Collected by: Ryan Wallen
 Collected date/time: 01/18/24 13:55
 Received date/time: 01/24/24 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212541	1	01/24/24 20:38	01/24/24 23:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 14:56	01/25/24 14:56	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:54	01/25/24 13:54	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212591	1	01/25/24 02:51	01/25/24 02:51	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:34	01/24/24 20:34	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212473	1	01/25/24 17:47	01/26/24 11:01	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 04:22	01/25/24 04:22	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/25/24 01:02	01/25/24 01:02	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:22	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212911	1	01/25/24 13:12	01/26/24 10:09	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2213297	1	01/29/24 00:29	01/30/24 19:00	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213180	1	01/25/24 19:59	01/25/24 19:59	ACG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 22:29	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	2	01/25/24 07:32	01/27/24 15:16	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	2	01/25/24 07:32	01/27/24 15:16	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 16:23	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 03:20	DSH	Mt. Juliet, TN



MW-11N L1698420-12 GW

Collected by: Ryan Wallen
 Collected date/time: 01/18/24 14:50
 Received date/time: 01/24/24 13:30

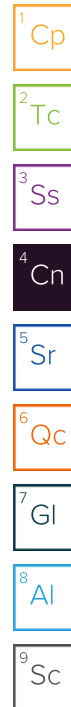
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2212634	1	01/24/24 21:15	01/25/24 00:56	DLS	Mt. Juliet, TN
Wet Chemistry by Method 2320 B-2011	WG2212976	1	01/25/24 15:00	01/25/24 15:00	BJM	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2212493	1	01/25/24 13:55	01/25/24 13:55	LAS	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2212591	1	01/25/24 02:54	01/25/24 02:54	CAT	Mt. Juliet, TN
Wet Chemistry by Method 4500S2 D-2011	WG2212555	1	01/24/24 20:34	01/24/24 20:34	CRB	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG2212473	1	01/25/24 17:47	01/26/24 11:03	UNP	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2212425	1	01/25/24 04:36	01/25/24 04:36	GEB	Mt. Juliet, TN
Wet Chemistry by Method 9060A	WG2212502	1	01/25/24 01:37	01/25/24 01:37	SJF	Mt. Juliet, TN
Mercury by Method 7470A	WG2212585	1	01/25/24 10:43	01/26/24 11:24	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2212915	1	01/28/24 23:44	01/29/24 07:58	JTM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2213297	1	01/29/24 00:29	01/30/24 19:04	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2213431	1	01/26/24 16:45	01/26/24 16:45	TJJ	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2215141	1	01/29/24 13:55	01/29/24 13:55	JHH	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2212848	1	01/25/24 07:42	01/30/24 22:40	RDH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2212745	1	01/25/24 07:32	01/27/24 15:25	RDH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG2212745	1	01/25/24 07:32	01/27/24 15:25	HLA	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/28/24 16:45	ALM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2212748	1	01/25/24 07:37	01/31/24 03:38	DSH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Stacy Kennedy
Project Manager



Project Comments

L1698420-01,-07,-08,-10 method 8270: p-Phenylenediamine is reporting with critically low recovery in the laboratory control sample(s). This compound is a method defined poor performer. Results are estimated.

The requested project specific reporting limits may be less than laboratory standard quantitation limits (PQL) but will be greater than or equal to the laboratory method detection limits (MDL). It is noted that results reported below lab standard quantitation limits (PQLs) may result in false positive/false negative values that may require additional laboratory quality assurance review, if requested. Routine laboratory procedures do not initiate a data review process for detections below the laboratory's PQL unless requested by the client.

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG2212745	8081	L1698420-01, 07, 08
WG2212747	8081	L1698420-10
WG2212749	8270C	L1698420-01, 07, 08, 10
WG2212848	8151	L1698420-01, 07, 08, 10

Wet Chemistry by Method 350.1

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG2213730	(MS) R4026590-8	Ammonia Nitrogen

Wet Chemistry by Method 9012B

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2212473	(DUP) R4026586-4	Cyanide

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2212469	(MS) R4026245-5, (MSD) R4026245-6, L1698420-03	Cyanide

CASE NARRATIVE

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
WG2213431	(LCS) R4027080-1, L1698420-12	trans-1,4-Dichloro-2-butene

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2213431	(LCSD) R4027080-2, L1698420-12	Trichlorofluoromethane

Chlorinated Acid Herbicides (GC) by Method 8151

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2212848	(LCS) R4028382-2	2,4-D
WG2212848	(LCSD) R4028382-3	2,4,5-T and 2,4-D

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2212848	(LCS) R4028382-2, (LCSD) R4028382-3, L1698420-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	2,4,5-T and 2,4-D

Pesticides (GC) by Method 8081

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG2212745	(LCSD) R4027411-3	Endrin aldehyde

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2212745	(LCSD) R4027411-3, L1698420-01, 02, 03, 04, 05, 06, 07, 08, 09, 11, 12	4,4-DDE, Endosulfan I, Endosulfan II and Endrin aldehyde
WG2212747	(LCSD) R4026800-3, L1698420-10	Endosulfan II

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Surrogate recovery limits have been exceeded; values are outside lower control limits.

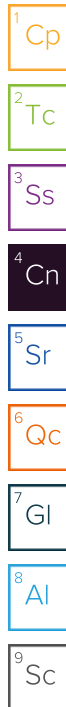
Batch	Analyte	Lab Sample ID
WG2212748	2-Fluorobiphenyl	(BLANK) R4028148-2, (MSD) R4028148-4, L1698420-06, 11
WG2212748	2-Fluorophenol	(BLANK) R4028148-2, (MS) R4028148-5, (MSD) R4028148-6, (MSD) R4028148-4, L1698420-03, 04, 05, 06, 11
WG2212748	Nitrobenzene-d5	(BLANK) R4028148-2, (MS) R4028148-5, (MSD) R4028148-4, (MSD) R4028148-6, L1698420-03, 04, 05, 06, 11
WG2212748	Phenol-d5	(BLANK) R4028148-2, (MS) R4028148-3, (MS) R4028148-5, (MSD) R4028148-6, (MSD) R4028148-4, L1698420-03, 04, 05, 06, 11

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG2212748	(LCS) R4028379-1, L1698420-02, 03, 04, 05, 06, 09, 11, 12	14 analytes
WG2212749	(LCS) R4028000-1, L1698420-01, 07, 08, 10	1,4-Naphthoquinone and p-Phenylenediamine

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG2212748	(MS) R4028148-5, (MSD) R4028148-4, (MSD) R4028148-6	30 analytes



CASE NARRATIVE

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG2212748	(MSD) R4028148-4, (MSD) R4028148-6	33 analytes

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)	7.11	su
Specific Conductance (on site)	713	umhos/cm
Temperature (on-site)	14.4	Deg. C
Turbidity (on-site)	2.3	NTU
Dissolved Oxygen (on-site)	7.8	mg/l
eH/ORP (On Site)	79.7	mV
Depth to water (DTW) (FROM TOC)	46.17	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	235		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	180		10.0	1	01/25/2024 12:24	WG2212976
Alkalinity,Bicarbonate	180		10.0	1	01/25/2024 12:24	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:24	WG2212976

Sample Narrative:

L1698420-01 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.327		0.100	1	01/25/2024 13:22	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.31		0.100	1	01/25/2024 01:56	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:30	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:42	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	16.2		3.00	1	01/25/2024 01:12	WG2212425
Sulfate	13.9		5.00	1	01/25/2024 01:12	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.06		1.00	1	01/25/2024 02:34	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 10:47	WG2212585

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	01/26/2024 09:34	WG2212911
Barium, Total Recoverable	0.0191		0.00500	1	01/26/2024 09:34	WG2212911
Calcium, Total Recoverable	60.2		0.200	1	01/26/2024 09:34	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 09:34	WG2212911
Potassium, Total Recoverable	4.56		3.00	1	01/26/2024 09:34	WG2212911
Magnesium, Total Recoverable	4.94		0.200	1	01/26/2024 09:34	WG2212911
Manganese, Total Recoverable	0.00757	J	0.00300	1	01/26/2024 09:34	WG2212911
Sodium, Total Recoverable	21.0		5.00	1	01/26/2024 09:34	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:34	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:34	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:34	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 21:56	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 21:56	WG2212918
Cadmium, Total Recoverable	0.00102		0.00100	1	01/31/2024 21:56	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 21:56	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 21:56	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 21:56	WG2212918
Nickel, Total Recoverable	ND		0.00400	1	01/31/2024 21:56	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 21:56	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 21:56	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 21:56	WG2212918
Zinc, Total Recoverable	0.00522	J	0.00500	1	01/31/2024 21:56	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 16:33	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 16:33	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 16:33	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 16:33	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 16:33	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 16:33	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 16:33	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 16:33	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 16:33	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 16:33	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 16:33	WG2213180
Acetone	ND		11.3	1	01/25/2024 16:33	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 16:33	WG2213180
Acrolein	ND		20.0	1	01/25/2024 16:33	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 16:33	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 16:33	WG2213180
Benzene	ND		1.00	1	01/25/2024 16:33	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Bromoform	ND		1.00	1	01/25/2024 16:33	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 16:33	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 16:33	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 16:33	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Chloroform	ND		1.00	1	01/25/2024 16:33	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 16:33	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 16:33	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 16:33	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 16:33	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Isobutanol	ND		110	1	01/25/2024 16:33	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 16:33	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 16:33	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 16:33	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 16:33	WG2213180
Styrene	ND		1.00	1	01/25/2024 16:33	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 16:33	WG2213180
Toluene	ND		1.00	1	01/25/2024 16:33	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 16:33	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 16:33	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 16:33	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 16:33	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 16:33	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 16:33	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 16:33	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 16:33	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 16:33	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 16:33	WG2213180
(S) Toluene-d8	96.9			80.0-120	01/25/2024 16:33	WG2213180
(S) 1,2-Dichloroethane-d4	91.9			70.0-130	01/25/2024 16:33	WG2213180
(S) 4-Bromofluorobenzene	95.8			77.0-126	01/25/2024 16:33	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4 T8	1.00	1	01/30/2024 20:35	WG2212848
2,4,5-Tp (Silvex)	ND	T8	1.00	1	01/30/2024 20:35	WG2212848
2,4-D	ND	J4 T8	4.00	1	01/30/2024 20:35	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	100			14.0-158	01/30/2024 20:35	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
4,4-DDE	ND	J3 T8	0.0500	1	01/27/2024 13:57	WG2212745
4,4-DDT	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Aldrin	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Alpha BHC	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Beta BHC	ND	T8	0.500	1	01/27/2024 13:57	WG2212745
Chlordane	ND	T8	0.500	1	01/27/2024 13:57	WG2212745
Delta BHC	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Dieldrin	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Endosulfan I	ND	J3 T8	0.0500	1	01/27/2024 13:57	WG2212745
Endosulfan II	ND	J3 T8	0.0500	1	01/27/2024 13:57	WG2212745
Endosulfan sulfate	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Endrin	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Endrin aldehyde	ND	J3 T8	0.0500	1	01/27/2024 13:57	WG2212745
Gamma BHC	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Heptachlor	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Heptachlor epoxide	ND	T8	0.0500	1	01/27/2024 13:57	WG2212745
Methoxychlor	ND	T8	0.100	1	01/27/2024 13:57	WG2212745
Toxaphene	ND	T8	5.00	1	01/27/2024 13:57	WG2212745
(S) Decachlorobiphenyl	59.6			10.0-128	01/27/2024 13:57	WG2212745
(S) Tetrachloro-m-xylene	59.5			10.0-127	01/27/2024 13:57	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 13:57	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 13:57	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 13:57	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 13:57	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 13:57	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 13:57	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 13:57	WG2212745
(S) Decachlorobiphenyl	69.0			10.0-128	01/27/2024 13:57	WG2212745
(S) Tetrachloro-m-xylene	62.0			10.0-127	01/27/2024 13:57	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
1,2,4-Trichlorobenzene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
1,3,5-Trinitrobenzene	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
1,3-Dinitrobenzene	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
1,4-Naphthoquinone	ND	J4 T8	50.0	1	01/30/2024 16:35	WG2212749
1-Naphthylamine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
2,2-Oxybis(1-Chloropropane)	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2,3,4,6-Tetrachlorophenol	ND	T8	50.0	1	01/28/2024 19:09	WG2212749

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
2,4,5-Trichlorophenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2,4,6-Trichlorophenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2,4-Dichlorophenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2,4-Dimethylphenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2,4-Dinitrophenol	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
2,4-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2,6-Dichlorophenol	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
2,6-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2-Acetylaminofluorene	ND	T8	100	1	01/30/2024 16:35	WG2212749
2-Chloronaphthalene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2-Chlorophenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2-Methylnaphthalene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2-Methylphenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
2-Naphthylamine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
2-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
2-Nitrophenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
3&4-Methyl Phenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
3,3-Dichlorobenzidine	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
3,3-Dimethylbenzidine	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
3-Methylcholanthrene	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
3-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
4,6-Dinitro-2-methylphenol	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
4-Aminobiphenyl	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
4-Bromophenyl-phenylether	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
4-Chloro-3-methylphenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
4-Chloroaniline	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
4-Chlorophenyl-phenylether	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
4-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
4-Nitrophenol	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
5-Nitro-o-toluidine	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Acenaphthene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Acenaphthylene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Acetophenone	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Anthracene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzo(A)Anthracene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzo(a)pyrene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzo(b)fluoranthene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzo(g,h,i)perylene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzo(k)fluoranthene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzyl Alcohol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Benzylbutyl phthalate	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Bis(2-Ethylhexyl)phthalate	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Bis(2-chloroethoxy)methane	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Bis(2-chloroethyl)ether	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Chlorobenzilate	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
Chrysene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Di-n-butyl phthalate	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Di-n-octyl phthalate	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Diallate	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Dibenz(a,h)anthracene	ND	T8	20.0	1	01/28/2024 19:09	WG2212749
Dibenzofuran	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Diethyl phthalate	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Dimethoate	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Dimethyl phthalate	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Dimethylbenz (A) Anthracene	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Dinoseb	ND	T8	17.9	1	01/30/2024 16:35	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Disulfoton	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Ethyl methanesulfonate	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
Ethyl parathion	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Famphur	ND	T8	200	1	01/30/2024 16:35	WG2212749
Fluoranthene	ND	T8	1.00	1	01/28/2024 19:09	WG2212749
Fluorene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Hexachloro-1,3-butadiene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Hexachlorobenzene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Hexachlorocyclopentadiene	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
Hexachloroethane	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Hexachloropropene	ND	T8	100	1	01/30/2024 16:35	WG2212749
Indeno(1,2,3-cd)pyrene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Isodrin	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
Isophorone	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Isosafrole	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Kepone	ND	T8	1.88	1	01/30/2024 16:35	WG2212749
Methapyrilene	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Methyl methanesulfonate	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Methyl parathion	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
Naphthalene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Nitrobenzene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
O,O,O-Triethyl Phosphorothioate	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
P-(Dimethylamino) Azobenzene	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Pentachlorobenzene	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
Pentachloronitrobenzene	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Pentachlorophenol	ND	T8	50.0	1	01/28/2024 19:09	WG2212749
Phenacetin	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
Phenanthrene	ND	T8	20.0	1	01/28/2024 19:09	WG2212749
Phenol	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Phorate	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Pronamide	ND	T8	20.0	1	01/30/2024 16:35	WG2212749
Pyrene	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
Safrole	ND	T8	50.0	1	01/30/2024 16:35	WG2212749
Thionazin	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
n-Nitrosodi-n-butylamine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
n-Nitrosodi-n-propylamine	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
n-Nitrosodiethylamine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
n-Nitrosodimethylamine	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
n-Nitrosodiphenylamine	ND	T8	10.0	1	01/28/2024 19:09	WG2212749
n-Nitrosomethylethylamine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
n-Nitrosopiperidine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
n-Nitrosopyrrolidine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
o-Toluidine	ND	T8	10.0	1	01/30/2024 16:35	WG2212749
p-Phenylenediamine	ND	J4 T8	387	1	01/30/2024 16:35	WG2212749
(S) 2-Fluorophenol	19.1			10.0-120	01/28/2024 19:09	WG2212749
(S) 2,4,6-Tribromophenol	32.5			10.0-155	01/28/2024 19:09	WG2212749
(S) p-Terphenyl-d14	30.0			10.0-128	01/28/2024 19:09	WG2212749
(S) Phenol-d5	12.8			10.0-120	01/28/2024 19:09	WG2212749
(S) 2-Fluorobiphenyl	35.7			10.0-130	01/28/2024 19:09	WG2212749
(S) Nitrobenzene-d5	42.3			10.0-127	01/28/2024 19:09	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.57	su
Specific Conductance (on site)	677	umhos/cm
Temperature (on-site)	14.5	Deg. C
Turbidity (on-site)	8.5	NTU
Dissolved Oxygen (on-site)	1.9	mg/l
eH/ORP (On Site)	-71.2	mV
Depth to water (DTW) (FROM TOC)	70.6	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	359		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	343		10.0	1	01/25/2024 12:34	WG2212976
Alkalinity,Bicarbonate	343		10.0	1	01/25/2024 12:34	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:34	WG2212976

Sample Narrative:

L1698420-02 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.133		0.100	1	01/26/2024 11:29	WG2213730

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.563		0.100	1	01/25/2024 01:58	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:31	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:43	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	11.2		3.00	1	01/25/2024 01:26	WG2212425
Sulfate	5.58		5.00	1	01/25/2024 01:26	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
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Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	3.55		1.00	1	01/25/2024 02:50	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 10:54	WG2212585

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	01/26/2024 09:37	WG2212911
Barium, Total Recoverable	0.0425		0.00500	1	01/26/2024 09:37	WG2212911
Calcium, Total Recoverable	130		0.200	1	01/26/2024 09:37	WG2212911
Iron, Total Recoverable	11.4		0.0600	1	01/26/2024 09:37	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:37	WG2212911
Magnesium, Total Recoverable	1.61		0.200	1	01/26/2024 09:37	WG2212911
Manganese, Total Recoverable	1.40		0.00300	1	01/26/2024 09:37	WG2212911
Sodium, Total Recoverable	11.2		5.00	1	01/26/2024 09:37	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:37	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:37	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:37	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 22:06	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 22:06	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 22:06	WG2212918
Cobalt, Total Recoverable	0.0474		0.00300	1	01/31/2024 22:06	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 22:06	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 22:06	WG2212918
Nickel, Total Recoverable	0.150		0.00400	1	01/31/2024 22:06	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	02/02/2024 12:18	WG2217702
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 22:06	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 22:06	WG2212918
Zinc, Total Recoverable	0.0698		0.00500	1	01/31/2024 22:06	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 16:54	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 16:54	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 16:54	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 16:54	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 16:54	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 16:54	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 16:54	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 16:54	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 16:54	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 16:54	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 16:54	WG2213180
Acetone	ND		11.3	1	01/25/2024 16:54	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 16:54	WG2213180
Acrolein	ND		20.0	1	01/25/2024 16:54	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 16:54	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 16:54	WG2213180
Benzene	ND		1.00	1	01/25/2024 16:54	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Bromoform	ND		1.00	1	01/25/2024 16:54	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 16:54	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 16:54	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 16:54	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Chloroform	ND		1.00	1	01/25/2024 16:54	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 16:54	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 16:54	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 16:54	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 16:54	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Isobutanol	ND		110	1	01/25/2024 16:54	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 16:54	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 16:54	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 16:54	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 16:54	WG2213180
Styrene	ND		1.00	1	01/25/2024 16:54	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 16:54	WG2213180
Toluene	ND		1.00	1	01/25/2024 16:54	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 16:54	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 16:54	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 16:54	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 16:54	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 16:54	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 16:54	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 16:54	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 16:54	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 16:54	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 16:54	WG2213180
(S) Toluene-d8	95.6			80.0-120	01/25/2024 16:54	WG2213180
(S) 1,2-Dichloroethane-d4	91.9			70.0-130	01/25/2024 16:54	WG2213180
(S) 4-Bromofluorobenzene	99.9			77.0-126	01/25/2024 16:54	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 22:51	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 22:51	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 22:51	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	103			14.0-158	01/30/2024 22:51	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 14:06	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 14:06	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 14:06	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 14:06	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 14:06	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 14:06	WG2212745
Chlordane	ND		0.500	1	01/27/2024 14:06	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 14:06	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 14:06	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 14:06	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 14:06	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 14:06	WG2212745
Endrin	ND		0.0500	1	01/27/2024 14:06	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 14:06	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 14:06	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 14:06	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 14:06	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 14:06	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 14:06	WG2212745
(S) Decachlorobiphenyl	49.1			10.0-128	01/27/2024 14:06	WG2212745
(S) Tetrachloro-m-xylene	54.7			10.0-127	01/27/2024 14:06	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:06	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:06	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:06	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:06	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:06	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:06	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:06	WG2212745
(S) Decachlorobiphenyl	60.5			10.0-128	01/27/2024 14:06	WG2212745
(S) Tetrachloro-m-xylene	56.9			10.0-127	01/27/2024 14:06	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 14:12	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 14:12	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 01:36	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 01:36	WG2212748
1,4-Naphthoquinone	ND	J4	50.0	1	01/31/2024 01:36	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 01:36	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 14:12	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 14:12	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 14:12	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 14:12	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 14:12	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 14:12	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 14:12	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 14:12	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 01:36	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 14:12	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 01:36	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 14:12	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 14:12	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 14:12	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 14:12	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 01:36	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 14:12	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 14:12	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 14:12	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 14:12	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 01:36	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 01:36	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 14:12	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 14:12	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 01:36	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 14:12	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 14:12	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 14:12	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 14:12	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 14:12	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 14:12	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 01:36	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 14:12	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 14:12	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 14:12	WG2212748
Anthracene	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 14:12	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 14:12	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 14:12	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 14:12	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 14:12	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 01:36	WG2212748
Chrysene	ND		10.0	1	01/28/2024 14:12	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 14:12	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 14:12	WG2212748
Diallate	ND		20.0	1	01/31/2024 01:36	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 14:12	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 14:12	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 14:12	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 01:36	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 14:12	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 01:36	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 01:36	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 14:12	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 01:36	WG2212748
Ethyl methanesulfonate	ND	<u>J4</u>	10.0	1	01/31/2024 01:36	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 01:36	WG2212748
Famphur	ND		200	1	01/31/2024 01:36	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 14:12	WG2212748
Fluorene	ND		10.0	1	01/28/2024 14:12	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 14:12	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 14:12	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 14:12	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 14:12	WG2212748
Hexachloropropene	ND	<u>J4</u>	100	1	01/31/2024 01:36	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 14:12	WG2212748
Isodrin	ND		10.0	1	01/31/2024 01:36	WG2212748
Isophorone	ND		10.0	1	01/28/2024 14:12	WG2212748
Isosafrole	ND	<u>J4</u>	20.0	1	01/31/2024 01:36	WG2212748
Kepone	ND		1.88	1	01/31/2024 01:36	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 01:36	WG2212748
Methyl methanesulfonate	ND	<u>J4</u>	50.0	1	01/31/2024 01:36	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 01:36	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 14:12	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 14:12	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	<u>J4</u>	50.0	1	01/31/2024 01:36	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 01:36	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 01:36	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 01:36	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 14:12	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 01:36	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 14:12	WG2212748
Phenol	ND		10.0	1	01/28/2024 14:12	WG2212748
Phorate	ND		50.0	1	01/31/2024 01:36	WG2212748
Pronamide	ND		20.0	1	01/31/2024 01:36	WG2212748
Pyrene	ND		10.0	1	01/28/2024 14:12	WG2212748
Safrole	ND	<u>J4</u>	50.0	1	01/31/2024 01:36	WG2212748
Thionazin	ND		10.0	1	01/31/2024 01:36	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 01:36	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 14:12	WG2212748
n-Nitrosodiethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 01:36	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 14:12	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 14:12	WG2212748
n-Nitrosomethylethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 01:36	WG2212748
n-Nitrosopiperidine	ND	<u>J4</u>	10.0	1	01/31/2024 01:36	WG2212748
n-Nitrosopyrrolidine	ND	<u>J4</u>	10.0	1	01/31/2024 01:36	WG2212748
o-Toluidine	ND	<u>J4</u>	10.0	1	01/31/2024 01:36	WG2212748
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/31/2024 01:36	WG2212748
(S) 2-Fluorophenol	27.4			10.0-120	01/28/2024 14:12	WG2212748
(S) 2,4,6-Tribromophenol	81.5			10.0-155	01/28/2024 14:12	WG2212748
(S) p-Terphenyl-d14	84.6			10.0-128	01/28/2024 14:12	WG2212748
(S) Phenol-d5	19.2			10.0-120	01/28/2024 14:12	WG2212748
(S) 2-Fluorobiphenyl	70.1			10.0-130	01/28/2024 14:12	WG2212748
(S) Nitrobenzene-d5	44.9			10.0-127	01/28/2024 14:12	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1698420-02 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-02 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.6	su
Specific Conductance (on site)	640	umhos/cm
Temperature (on-site)	13.8	Deg. C
Turbidity (on-site)	32.1	NTU
Dissolved Oxygen (on-site)	1.4	mg/l
eH/ORP (On Site)	-13.6	mV
Depth to water (DTW) (FROM TOC)	67.83	ft

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	369		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	325		10.0	1	01/25/2024 12:38	WG2212976
Alkalinity,Bicarbonate	325		10.0	1	01/25/2024 12:38	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:38	WG2212976

Sample Narrative:

L1698420-03 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.104		0.100	1	01/25/2024 13:34	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.460		0.100	1	01/25/2024 02:00	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:32	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND	J6	0.0100	1	01/25/2024 13:47	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	18.2		3.00	1	01/25/2024 01:39	WG2212425
Sulfate	8.47		5.00	1	01/25/2024 01:39	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.32		1.00	1	01/25/2024 03:04	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 10:57	WG2212585

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	01/26/2024 09:40	WG2212911
Barium, Total Recoverable	0.0388		0.00500	1	01/26/2024 09:40	WG2212911
Calcium, Total Recoverable	120		0.200	1	01/26/2024 09:40	WG2212911
Iron, Total Recoverable	1.97		0.0600	1	01/26/2024 09:40	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:40	WG2212911
Magnesium, Total Recoverable	2.72		0.200	1	01/26/2024 09:40	WG2212911
Manganese, Total Recoverable	0.0930		0.00300	1	01/26/2024 09:40	WG2212911
Sodium, Total Recoverable	14.1		5.00	1	01/26/2024 09:40	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:40	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:40	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:40	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 22:09	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 22:09	WG2212918
Cadmium, Total Recoverable	0.0135		0.00100	1	01/31/2024 22:09	WG2212918
Cobalt, Total Recoverable	0.0134		0.00300	1	01/31/2024 22:09	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 22:09	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 22:09	WG2212918
Nickel, Total Recoverable	0.0250		0.00400	1	01/31/2024 22:09	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 22:09	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 22:09	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 22:09	WG2212918
Zinc, Total Recoverable	0.0356		0.00500	1	01/31/2024 22:09	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 17:15	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 17:15	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 17:15	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 17:15	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 17:15	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 17:15	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 17:15	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 17:15	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 17:15	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 17:15	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 17:15	WG2213180
Acetone	ND		11.3	1	01/25/2024 17:15	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 17:15	WG2213180
Acrolein	ND		20.0	1	01/25/2024 17:15	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 17:15	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 17:15	WG2213180
Benzene	ND		1.00	1	01/25/2024 17:15	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Bromoform	ND		1.00	1	01/25/2024 17:15	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 17:15	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 17:15	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 17:15	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Chloroform	ND		1.00	1	01/25/2024 17:15	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 17:15	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 17:15	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 17:15	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 17:15	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Isobutanol	ND		110	1	01/25/2024 17:15	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 17:15	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 17:15	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 17:15	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 17:15	WG2213180
Styrene	ND		1.00	1	01/25/2024 17:15	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 17:15	WG2213180
Toluene	ND		1.00	1	01/25/2024 17:15	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 17:15	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 17:15	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 17:15	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 17:15	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 17:15	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 17:15	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 17:15	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 17:15	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 17:15	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 17:15	WG2213180
(S) Toluene-d8	97.5			80.0-120	01/25/2024 17:15	WG2213180
(S) 1,2-Dichloroethane-d4	90.6			70.0-130	01/25/2024 17:15	WG2213180
(S) 4-Bromofluorobenzene	95.9			77.0-126	01/25/2024 17:15	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	1.00	1	01/30/2024 20:46	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 20:46	WG2212848
2,4-D	ND	<u>J4</u>	4.00	1	01/30/2024 20:46	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	103			14.0-158	01/30/2024 20:46	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 14:14	WG2212745
4,4-DDE	ND	<u>J3</u>	0.0500	1	01/27/2024 14:14	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 14:14	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 14:14	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 14:14	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 14:14	WG2212745
Chlordane	ND		0.500	1	01/27/2024 14:14	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 14:14	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 14:14	WG2212745
Endosulfan I	ND	<u>J3</u>	0.0500	1	01/27/2024 14:14	WG2212745
Endosulfan II	ND	<u>J3</u>	0.0500	1	01/27/2024 14:14	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 14:14	WG2212745
Endrin	ND		0.0500	1	01/27/2024 14:14	WG2212745
Endrin aldehyde	ND	<u>J3</u>	0.0500	1	01/27/2024 14:14	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 14:14	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 14:14	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 14:14	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 14:14	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 14:14	WG2212745
(S) Decachlorobiphenyl	62.0			10.0-128	01/27/2024 14:14	WG2212745
(S) Tetrachloro-m-xylene	71.3			10.0-127	01/27/2024 14:14	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:14	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:14	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:14	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:14	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:14	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:14	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:14	WG2212745
(S) Decachlorobiphenyl	74.7			10.0-128	01/27/2024 14:14	WG2212745
(S) Tetrachloro-m-xylene	76.8			10.0-127	01/27/2024 14:14	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 14:34	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 14:34	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 01:53	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 01:53	WG2212748
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/31/2024 01:53	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 01:53	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 14:34	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 14:34	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 14:34	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 14:34	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 14:34	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 14:34	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 14:34	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 14:34	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 01:53	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 14:34	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 01:53	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 14:34	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 14:34	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 14:34	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 14:34	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 01:53	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 14:34	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 14:34	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 14:34	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 14:34	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 01:53	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 01:53	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 14:34	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 14:34	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 01:53	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 14:34	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 14:34	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 14:34	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 14:34	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 14:34	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 14:34	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 01:53	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 14:34	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 14:34	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 14:34	WG2212748
Anthracene	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 14:34	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 14:34	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 14:34	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 14:34	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 14:34	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 01:53	WG2212748
Chrysene	ND		10.0	1	01/28/2024 14:34	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 14:34	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 14:34	WG2212748
Diallate	ND		20.0	1	01/31/2024 01:53	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 14:34	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 14:34	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 14:34	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 01:53	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 14:34	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 01:53	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 01:53	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

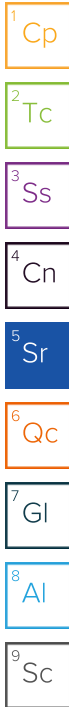
7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diphenylamine	ND		10.0	1	01/28/2024 14:34	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 01:53	WG2212748
Ethyl methanesulfonate	ND	<u>J4</u>	10.0	1	01/31/2024 01:53	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 01:53	WG2212748
Famphur	ND		200	1	01/31/2024 01:53	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 14:34	WG2212748
Fluorene	ND		10.0	1	01/28/2024 14:34	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 14:34	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 14:34	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 14:34	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 14:34	WG2212748
Hexachloropropene	ND	<u>J4</u>	100	1	01/31/2024 01:53	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 14:34	WG2212748
Isodrin	ND		10.0	1	01/31/2024 01:53	WG2212748
Isophorone	ND		10.0	1	01/28/2024 14:34	WG2212748
Isosafrole	ND	<u>J4</u>	20.0	1	01/31/2024 01:53	WG2212748
Kepone	ND		1.88	1	01/31/2024 01:53	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 01:53	WG2212748
Methyl methanesulfonate	ND	<u>J4</u>	50.0	1	01/31/2024 01:53	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 01:53	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 14:34	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 14:34	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	<u>J4</u>	50.0	1	01/31/2024 01:53	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 01:53	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 01:53	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 01:53	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 14:34	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 01:53	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 14:34	WG2212748
Phenol	ND		10.0	1	01/28/2024 14:34	WG2212748
Phorate	ND		50.0	1	01/31/2024 01:53	WG2212748
Pronamide	ND		20.0	1	01/31/2024 01:53	WG2212748
Pyrene	ND		10.0	1	01/28/2024 14:34	WG2212748
Safrole	ND	<u>J4</u>	50.0	1	01/31/2024 01:53	WG2212748
Thionazin	ND		10.0	1	01/31/2024 01:53	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 01:53	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 14:34	WG2212748
n-Nitrosodiethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 01:53	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 14:34	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 14:34	WG2212748
n-Nitrosomethylethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 01:53	WG2212748
n-Nitrosopiperidine	ND	<u>J4</u>	10.0	1	01/31/2024 01:53	WG2212748
n-Nitrosopyrrolidine	ND	<u>J4</u>	10.0	1	01/31/2024 01:53	WG2212748
o-Toluidine	ND	<u>J4</u>	10.0	1	01/31/2024 01:53	WG2212748
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/31/2024 01:53	WG2212748
(S) 2-Fluorophenol	0.716	<u>J2</u>		10.0-120	01/28/2024 14:34	WG2212748
(S) 2,4,6-Tribromophenol	61.6			10.0-155	01/28/2024 14:34	WG2212748
(S) p-Terphenyl-d14	82.0			10.0-128	01/28/2024 14:34	WG2212748
(S) Phenol-d5	3.07	<u>J2</u>		10.0-120	01/28/2024 14:34	WG2212748
(S) 2-Fluorobiphenyl	31.8			10.0-130	01/28/2024 14:34	WG2212748
(S) Nitrobenzene-d5	2.33	<u>J2</u>		10.0-127	01/28/2024 14:34	WG2212748



Sample Narrative:

L1698420-03 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-03 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.56	su
Specific Conductance (on site)	698	umhos/cm
Temperature (on-site)	13.1	Deg. C
Turbidity (on-site)	26.3	NTU
Dissolved Oxygen (on-site)	2.2	mg/l
eH/ORP (On Site)	161.9	mV
Depth to water (DTW) (FROM TOC)	71.53	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	374		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	354		10.0	1	01/25/2024 12:41	WG2212976
Alkalinity,Bicarbonate	354		10.0	1	01/25/2024 12:41	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:41	WG2212976

Sample Narrative:

L1698420-04 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.144		0.100	1	01/25/2024 13:35	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.111		0.100	1	01/25/2024 02:02	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:32	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:52	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	15.1		3.00	1	01/25/2024 02:20	WG2212425
Sulfate	ND		5.00	1	01/25/2024 02:20	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.55		1.00	1	01/25/2024 03:17	WG2212481

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 10:59	WG2212585

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	01/26/2024 09:43	WG2212911
Barium, Total Recoverable	0.0447		0.00500	1	01/26/2024 09:43	WG2212911
Calcium, Total Recoverable	142		0.200	1	01/26/2024 09:43	WG2212911
Iron, Total Recoverable	0.542		0.0600	1	01/26/2024 09:43	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:43	WG2212911
Magnesium, Total Recoverable	2.02		0.200	1	01/26/2024 09:43	WG2212911
Manganese, Total Recoverable	0.00870	J	0.00300	1	01/26/2024 09:43	WG2212911
Sodium, Total Recoverable	8.35		5.00	1	01/26/2024 09:43	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:43	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:43	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:43	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 22:12	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 22:12	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 22:12	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 22:12	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 22:12	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 22:12	WG2212918
Nickel, Total Recoverable	0.0102		0.00400	1	01/31/2024 22:12	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 22:12	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 22:12	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 22:12	WG2212918
Zinc, Total Recoverable	0.0140	J	0.00500	1	01/31/2024 22:12	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 17:35	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 17:35	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 17:35	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 17:35	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 17:35	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 17:35	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 17:35	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 17:35	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 17:35	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 17:35	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 17:35	WG2213180
Acetone	ND		11.3	1	01/25/2024 17:35	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 17:35	WG2213180
Acrolein	ND		20.0	1	01/25/2024 17:35	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 17:35	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 17:35	WG2213180
Benzene	ND		1.00	1	01/25/2024 17:35	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Bromoform	ND		1.00	1	01/25/2024 17:35	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 17:35	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 17:35	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 17:35	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Chloroform	ND		1.00	1	01/25/2024 17:35	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 17:35	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 17:35	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 17:35	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 17:35	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Isobutanol	ND		110	1	01/25/2024 17:35	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 17:35	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 17:35	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 17:35	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 17:35	WG2213180
Styrene	ND		1.00	1	01/25/2024 17:35	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 17:35	WG2213180
Toluene	ND		1.00	1	01/25/2024 17:35	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 17:35	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 17:35	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 17:35	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 17:35	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 17:35	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 17:35	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 17:35	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 17:35	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 17:35	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 17:35	WG2213180
(S) Toluene-d8	98.1			80.0-120	01/25/2024 17:35	WG2213180
(S) 1,2-Dichloroethane-d4	90.0			70.0-130	01/25/2024 17:35	WG2213180
(S) 4-Bromofluorobenzene	96.2			77.0-126	01/25/2024 17:35	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 20:58	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 20:58	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 20:58	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	104			14.0-158	01/30/2024 20:58	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 14:23	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 14:23	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 14:23	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 14:23	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 14:23	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 14:23	WG2212745
Chlordane	ND		0.500	1	01/27/2024 14:23	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 14:23	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 14:23	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 14:23	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 14:23	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 14:23	WG2212745
Endrin	ND		0.0500	1	01/27/2024 14:23	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 14:23	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 14:23	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 14:23	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 14:23	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 14:23	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 14:23	WG2212745
(S) Decachlorobiphenyl	65.5			10.0-128	01/27/2024 14:23	WG2212745
(S) Tetrachloro-m-xylene	67.7			10.0-127	01/27/2024 14:23	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:23	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:23	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:23	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:23	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:23	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:23	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:23	WG2212745
(S) Decachlorobiphenyl	72.2			10.0-128	01/27/2024 14:23	WG2212745
(S) Tetrachloro-m-xylene	69.9			10.0-127	01/27/2024 14:23	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 14:56	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 14:56	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 02:10	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 02:10	WG2212748
1,4-Naphthoquinone	ND	J4	50.0	1	01/31/2024 02:10	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 02:10	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 14:56	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 14:56	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 14:56	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 14:56	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 14:56	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 14:56	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 14:56	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 14:56	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 02:10	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 14:56	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 02:10	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 14:56	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 14:56	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 14:56	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 14:56	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 02:10	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 14:56	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 14:56	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 14:56	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 14:56	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 02:10	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 02:10	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 14:56	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 14:56	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 02:10	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 14:56	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 14:56	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 14:56	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 14:56	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 14:56	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 14:56	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 02:10	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 14:56	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 14:56	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 14:56	WG2212748
Anthracene	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 14:56	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 14:56	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 14:56	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 14:56	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 14:56	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 02:10	WG2212748
Chrysene	ND		10.0	1	01/28/2024 14:56	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 14:56	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 14:56	WG2212748
Diallate	ND		20.0	1	01/31/2024 02:10	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 14:56	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 14:56	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 14:56	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 02:10	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 14:56	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 02:10	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 02:10	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 14:56	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 02:10	WG2212748
Ethyl methanesulfonate	ND	<u>J4</u>	10.0	1	01/31/2024 02:10	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 02:10	WG2212748
Famphur	ND		200	1	01/31/2024 02:10	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 14:56	WG2212748
Fluorene	ND		10.0	1	01/28/2024 14:56	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 14:56	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 14:56	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 14:56	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 14:56	WG2212748
Hexachloropropene	ND	<u>J4</u>	100	1	01/31/2024 02:10	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 14:56	WG2212748
Isodrin	ND		10.0	1	01/31/2024 02:10	WG2212748
Isophorone	ND		10.0	1	01/28/2024 14:56	WG2212748
Isosafrole	ND	<u>J4</u>	20.0	1	01/31/2024 02:10	WG2212748
Kepone	ND		1.88	1	01/31/2024 02:10	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 02:10	WG2212748
Methyl methanesulfonate	ND	<u>J4</u>	50.0	1	01/31/2024 02:10	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 02:10	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 14:56	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 14:56	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	<u>J4</u>	50.0	1	01/31/2024 02:10	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 02:10	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 02:10	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 02:10	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 14:56	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 02:10	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 14:56	WG2212748
Phenol	ND		10.0	1	01/28/2024 14:56	WG2212748
Phorate	ND		50.0	1	01/31/2024 02:10	WG2212748
Pronamide	ND		20.0	1	01/31/2024 02:10	WG2212748
Pyrene	ND		10.0	1	01/28/2024 14:56	WG2212748
Safrole	ND	<u>J4</u>	50.0	1	01/31/2024 02:10	WG2212748
Thionazin	ND		10.0	1	01/31/2024 02:10	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 02:10	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 14:56	WG2212748
n-Nitrosodiethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 02:10	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 14:56	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 14:56	WG2212748
n-Nitrosomethylethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 02:10	WG2212748
n-Nitrosopiperidine	ND	<u>J4</u>	10.0	1	01/31/2024 02:10	WG2212748
n-Nitrosopyrrolidine	ND	<u>J4</u>	10.0	1	01/31/2024 02:10	WG2212748
o-Toluidine	ND	<u>J4</u>	10.0	1	01/31/2024 02:10	WG2212748
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/31/2024 02:10	WG2212748
(S) 2-Fluorophenol	4.63	<u>J2</u>		10.0-120	01/28/2024 14:56	WG2212748
(S) 2,4,6-Tribromophenol	45.9			10.0-155	01/28/2024 14:56	WG2212748
(S) p-Terphenyl-d14	73.1			10.0-128	01/28/2024 14:56	WG2212748
(S) Phenol-d5	6.47	<u>J2</u>		10.0-120	01/28/2024 14:56	WG2212748
(S) 2-Fluorobiphenyl	19.7			10.0-130	01/28/2024 14:56	WG2212748
(S) Nitrobenzene-d5	3.51	<u>J2</u>		10.0-127	01/28/2024 14:56	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1698420-04 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-04 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.76	su
Specific Conductance (on site)	654	umhos/cm
Temperature (on-site)	14.7	Deg. C
Turbidity (on-site)	4.7	NTU
Dissolved Oxygen (on-site)	0.3	mg/l
eH/ORP (On Site)	33.9	mV
Depth to water (DTW) (FROM TOC)	29.8	ft

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	351		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	289		10.0	1	01/25/2024 12:45	WG2212976
Alkalinity,Bicarbonate	289		10.0	1	01/25/2024 12:45	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:45	WG2212976

Sample Narrative:

L1698420-05 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/26/2024 11:34	WG2213730

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	01/25/2024 02:05	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:32	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:53	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	22.2		3.00	1	01/25/2024 02:34	WG2212425
Sulfate	21.0		5.00	1	01/25/2024 02:34	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/24/2024 21:40	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:02	WG2212585

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	01/26/2024 09:46	WG2212911
Barium, Total Recoverable	0.0801		0.00500	1	01/26/2024 09:46	WG2212911
Calcium, Total Recoverable	125		0.200	1	01/26/2024 09:46	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 09:46	WG2212911
Potassium, Total Recoverable	3.43		3.00	1	01/26/2024 09:46	WG2212911
Magnesium, Total Recoverable	2.02		0.200	1	01/26/2024 09:46	WG2212911
Manganese, Total Recoverable	0.106		0.00300	1	01/26/2024 09:46	WG2212911
Sodium, Total Recoverable	9.35		5.00	1	01/26/2024 09:46	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:46	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:46	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:46	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 22:16	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 22:16	WG2212918
Cadmium, Total Recoverable	ND		0.00100	1	01/31/2024 22:16	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 22:16	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 22:16	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 22:16	WG2212918
Nickel, Total Recoverable	ND		0.00400	1	01/31/2024 22:16	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 22:16	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 22:16	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 22:16	WG2212918
Zinc, Total Recoverable	0.00548	J	0.00500	1	01/31/2024 22:16	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 17:56	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 17:56	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 17:56	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 17:56	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 17:56	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 17:56	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 17:56	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 17:56	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 17:56	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 17:56	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 17:56	WG2213180
Acetone	ND		11.3	1	01/25/2024 17:56	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 17:56	WG2213180
Acrolein	ND		20.0	1	01/25/2024 17:56	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 17:56	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 17:56	WG2213180
Benzene	ND		1.00	1	01/25/2024 17:56	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Bromoform	ND		1.00	1	01/25/2024 17:56	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 17:56	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 17:56	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 17:56	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Chloroform	ND		1.00	1	01/25/2024 17:56	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 17:56	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 17:56	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 17:56	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 17:56	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Isobutanol	ND		110	1	01/25/2024 17:56	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 17:56	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 17:56	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 17:56	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 17:56	WG2213180
Styrene	ND		1.00	1	01/25/2024 17:56	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 17:56	WG2213180
Toluene	ND		1.00	1	01/25/2024 17:56	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 17:56	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 17:56	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 17:56	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 17:56	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 17:56	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 17:56	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 17:56	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 17:56	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 17:56	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 17:56	WG2213180
(S) Toluene-d8	96.3			80.0-120	01/25/2024 17:56	WG2213180
(S) 1,2-Dichloroethane-d4	92.4			70.0-130	01/25/2024 17:56	WG2213180
(S) 4-Bromofluorobenzene	96.8			77.0-126	01/25/2024 17:56	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	1.00	1	01/30/2024 21:09	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 21:09	WG2212848
2,4-D	ND	<u>J4</u>	4.00	1	01/30/2024 21:09	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	110			14.0-158	01/30/2024 21:09	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 14:32	WG2212745
4,4-DDE	ND	<u>J3</u>	0.0500	1	01/27/2024 14:32	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 14:32	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 14:32	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 14:32	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 14:32	WG2212745
Chlordane	ND		0.500	1	01/27/2024 14:32	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 14:32	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 14:32	WG2212745
Endosulfan I	ND	<u>J3</u>	0.0500	1	01/27/2024 14:32	WG2212745
Endosulfan II	ND	<u>J3</u>	0.0500	1	01/27/2024 14:32	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 14:32	WG2212745
Endrin	ND		0.0500	1	01/27/2024 14:32	WG2212745
Endrin aldehyde	ND	<u>J3</u>	0.0500	1	01/27/2024 14:32	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 14:32	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 14:32	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 14:32	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 14:32	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 14:32	WG2212745
(S) Decachlorobiphenyl	62.2			10.0-128	01/27/2024 14:32	WG2212745
(S) Tetrachloro-m-xylene	65.7			10.0-127	01/27/2024 14:32	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:32	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:32	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:32	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:32	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:32	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:32	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:32	WG2212745
(S) Decachlorobiphenyl	70.3			10.0-128	01/27/2024 14:32	WG2212745
(S) Tetrachloro-m-xylene	70.6			10.0-127	01/27/2024 14:32	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 15:17	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 15:17	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 02:28	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 02:28	WG2212748
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/31/2024 02:28	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 02:28	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 15:17	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 15:17	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 15:17	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 15:17	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 15:17	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 15:17	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 15:17	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 15:17	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 02:28	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 15:17	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 02:28	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 15:17	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 15:17	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 15:17	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 15:17	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 02:28	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 15:17	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 15:17	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 15:17	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 15:17	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 02:28	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 02:28	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 15:17	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 15:17	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 02:28	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 15:17	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 15:17	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 15:17	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 15:17	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 15:17	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 15:17	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 02:28	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 15:17	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 15:17	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 15:17	WG2212748
Anthracene	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 15:17	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 15:17	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 15:17	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 15:17	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 15:17	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 02:28	WG2212748
Chrysene	ND		10.0	1	01/28/2024 15:17	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 15:17	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 15:17	WG2212748
Diallate	ND		20.0	1	01/31/2024 02:28	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 15:17	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 15:17	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 15:17	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 02:28	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 15:17	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 02:28	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 02:28	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 15:17	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 02:28	WG2212748
Ethyl methanesulfonate	ND	<u>J4</u>	10.0	1	01/31/2024 02:28	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 02:28	WG2212748
Famphur	ND		200	1	01/31/2024 02:28	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 15:17	WG2212748
Fluorene	ND		10.0	1	01/28/2024 15:17	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 15:17	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 15:17	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 15:17	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 15:17	WG2212748
Hexachloropropene	ND	<u>J4</u>	100	1	01/31/2024 02:28	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 15:17	WG2212748
Isodrin	ND		10.0	1	01/31/2024 02:28	WG2212748
Isophorone	ND		10.0	1	01/28/2024 15:17	WG2212748
Isosafrole	ND	<u>J4</u>	20.0	1	01/31/2024 02:28	WG2212748
Kepone	ND		1.88	1	01/31/2024 02:28	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 02:28	WG2212748
Methyl methanesulfonate	ND	<u>J4</u>	50.0	1	01/31/2024 02:28	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 02:28	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 15:17	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 15:17	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	<u>J4</u>	50.0	1	01/31/2024 02:28	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 02:28	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 02:28	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 02:28	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 15:17	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 02:28	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 15:17	WG2212748
Phenol	ND		10.0	1	01/28/2024 15:17	WG2212748
Phorate	ND		50.0	1	01/31/2024 02:28	WG2212748
Pronamide	ND		20.0	1	01/31/2024 02:28	WG2212748
Pyrene	ND		10.0	1	01/28/2024 15:17	WG2212748
Safrole	ND	<u>J4</u>	50.0	1	01/31/2024 02:28	WG2212748
Thionazin	ND		10.0	1	01/31/2024 02:28	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 02:28	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 15:17	WG2212748
n-Nitrosodiethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 02:28	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 15:17	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 15:17	WG2212748
n-Nitrosomethylethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 02:28	WG2212748
n-Nitrosopiperidine	ND	<u>J4</u>	10.0	1	01/31/2024 02:28	WG2212748
n-Nitrosopyrrolidine	ND	<u>J4</u>	10.0	1	01/31/2024 02:28	WG2212748
o-Toluidine	ND	<u>J4</u>	10.0	1	01/31/2024 02:28	WG2212748
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/31/2024 02:28	WG2212748
(S) 2-Fluorophenol	0.000	<u>J2</u>		10.0-120	01/28/2024 15:17	WG2212748
(S) 2,4,6-Tribromophenol	30.6			10.0-155	01/28/2024 15:17	WG2212748
(S) p-Terphenyl-d14	50.0			10.0-128	01/28/2024 15:17	WG2212748
(S) Phenol-d5	2.57	<u>J2</u>		10.0-120	01/28/2024 15:17	WG2212748
(S) 2-Fluorobiphenyl	14.3			10.0-130	01/28/2024 15:17	WG2212748
(S) Nitrobenzene-d5	0.000	<u>J2</u>		10.0-127	01/28/2024 15:17	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1698420-05 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-05 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.7	su
Specific Conductance (on site)	648	umhos/cm
Temperature (on-site)	14.5	Deg. C
Turbidity (on-site)	5.2	NTU
Dissolved Oxygen (on-site)	0.5	mg/l
eH/ORP (On Site)	41.9	mV
Depth to water (DTW) (FROM TOC)	32.63	ft

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	355		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	279		10.0	1	01/25/2024 12:49	WG2212976
Alkalinity,Bicarbonate	279		10.0	1	01/25/2024 12:49	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:49	WG2212976

Sample Narrative:

L1698420-06 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.196		0.100	1	01/25/2024 13:42	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.63		0.100	1	01/25/2024 02:19	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:32	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:54	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	29.3		3.00	1	01/25/2024 03:14	WG2212425
Sulfate	21.7		5.00	1	01/25/2024 03:14	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	1.27		1.00	1	01/24/2024 22:15	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:04	WG2212585

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	01/26/2024 09:49	WG2212911
Barium, Total Recoverable	0.136		0.00500	1	01/26/2024 09:49	WG2212911
Calcium, Total Recoverable	95.7		0.200	1	01/26/2024 09:49	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 09:49	WG2212911
Potassium, Total Recoverable	3.84		3.00	1	01/26/2024 09:49	WG2212911
Magnesium, Total Recoverable	7.75		0.200	1	01/26/2024 09:49	WG2212911
Manganese, Total Recoverable	2.26		0.00300	1	01/26/2024 09:49	WG2212911
Sodium, Total Recoverable	26.8		5.00	1	01/26/2024 09:49	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:49	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:49	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:49	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/31/2024 22:19	WG2212918
Beryllium, Total Recoverable	ND		0.00100	1	01/31/2024 22:19	WG2212918
Cadmium, Total Recoverable	0.00403		0.00100	1	01/31/2024 22:19	WG2212918
Cobalt, Total Recoverable	ND		0.00300	1	01/31/2024 22:19	WG2212918
Chromium, Total Recoverable	ND		0.00300	1	01/31/2024 22:19	WG2212918
Copper, Total Recoverable	ND		0.00400	1	01/31/2024 22:19	WG2212918
Nickel, Total Recoverable	0.0183		0.00400	1	01/31/2024 22:19	WG2212918
Antimony, Total Recoverable	ND		0.00200	1	01/31/2024 22:19	WG2212918
Thallium, Total Recoverable	ND		0.00100	1	01/31/2024 22:19	WG2212918
Vanadium, Total Recoverable	ND		0.00300	1	01/31/2024 22:19	WG2212918
Zinc, Total Recoverable	0.0206	J	0.00500	1	01/31/2024 22:19	WG2212918

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 18:16	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 18:16	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 18:16	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 18:16	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 18:16	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 18:16	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 18:16	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 18:16	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 18:16	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 18:16	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 18:16	WG2213180
Acetone	ND		11.3	1	01/25/2024 18:16	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 18:16	WG2213180
Acrolein	ND		20.0	1	01/25/2024 18:16	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 18:16	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 18:16	WG2213180
Benzene	ND		1.00	1	01/25/2024 18:16	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Bromoform	ND		1.00	1	01/25/2024 18:16	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 18:16	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 18:16	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 18:16	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Chloroform	ND		1.00	1	01/25/2024 18:16	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 18:16	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 18:16	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 18:16	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 18:16	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Isobutanol	ND		110	1	01/25/2024 18:16	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 18:16	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 18:16	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 18:16	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 18:16	WG2213180
Styrene	ND		1.00	1	01/25/2024 18:16	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 18:16	WG2213180
Toluene	ND		1.00	1	01/25/2024 18:16	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 18:16	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 18:16	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 18:16	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 18:16	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 18:16	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 18:16	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 18:16	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 18:16	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 18:16	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 18:16	WG2213180
(S) Toluene-d8	97.6			80.0-120	01/25/2024 18:16	WG2213180
(S) 1,2-Dichloroethane-d4	92.2			70.0-130	01/25/2024 18:16	WG2213180
(S) 4-Bromofluorobenzene	98.6			77.0-126	01/25/2024 18:16	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	<u>J4</u>	1.00	1	01/30/2024 21:20	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 21:20	WG2212848
2,4-D	ND	<u>J4</u>	4.00	1	01/30/2024 21:20	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	110			14.0-158	01/30/2024 21:20	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 14:41	WG2212745
4,4-DDE	ND	<u>J3</u>	0.0500	1	01/27/2024 14:41	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 14:41	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 14:41	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 14:41	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 14:41	WG2212745
Chlordane	ND		0.500	1	01/27/2024 14:41	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 14:41	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 14:41	WG2212745
Endosulfan I	ND	<u>J3</u>	0.0500	1	01/27/2024 14:41	WG2212745
Endosulfan II	ND	<u>J3</u>	0.0500	1	01/27/2024 14:41	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 14:41	WG2212745
Endrin	ND		0.0500	1	01/27/2024 14:41	WG2212745
Endrin aldehyde	ND	<u>J3</u>	0.0500	1	01/27/2024 14:41	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 14:41	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 14:41	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 14:41	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 14:41	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 14:41	WG2212745
(S) Decachlorobiphenyl	73.8			10.0-128	01/27/2024 14:41	WG2212745
(S) Tetrachloro-m-xylene	69.0			10.0-127	01/27/2024 14:41	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:41	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:41	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:41	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:41	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:41	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:41	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:41	WG2212745
(S) Decachlorobiphenyl	83.6			10.0-128	01/27/2024 14:41	WG2212745
(S) Tetrachloro-m-xylene	72.5			10.0-127	01/27/2024 14:41	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 15:39	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 15:39	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 02:45	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 02:45	WG2212748
1,4-Naphthoquinone	ND	<u>J4</u>	50.0	1	01/31/2024 02:45	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 02:45	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 15:39	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 15:39	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 15:39	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 15:39	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 15:39	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 15:39	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 15:39	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 15:39	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 15:39	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 02:45	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 15:39	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 15:39	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 15:39	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 15:39	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 02:45	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 15:39	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 15:39	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 15:39	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 15:39	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 02:45	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 02:45	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 15:39	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 15:39	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 02:45	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 15:39	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 15:39	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 15:39	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 15:39	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 15:39	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 15:39	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 02:45	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 15:39	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 15:39	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 15:39	WG2212748
Anthracene	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 15:39	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 15:39	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 15:39	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 15:39	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 15:39	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 02:45	WG2212748
Chrysene	ND		10.0	1	01/28/2024 15:39	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 15:39	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 15:39	WG2212748
Diallate	ND		20.0	1	01/31/2024 02:45	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 15:39	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 15:39	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 15:39	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 02:45	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 15:39	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 02:45	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 02:45	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 15:39	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 02:45	WG2212748
Ethyl methanesulfonate	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 02:45	WG2212748
Famphur	ND		200	1	01/31/2024 02:45	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 15:39	WG2212748
Fluorene	ND		10.0	1	01/28/2024 15:39	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 15:39	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 15:39	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 15:39	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 15:39	WG2212748
Hexachloropropene	ND	J4	100	1	01/31/2024 02:45	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 15:39	WG2212748
Isodrin	ND		10.0	1	01/31/2024 02:45	WG2212748
Isophorone	ND		10.0	1	01/28/2024 15:39	WG2212748
Isosafrole	ND	J4	20.0	1	01/31/2024 02:45	WG2212748
Kepone	ND		1.88	1	01/31/2024 02:45	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 02:45	WG2212748
Methyl methanesulfonate	ND	J4	50.0	1	01/31/2024 02:45	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 02:45	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 15:39	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 15:39	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	J4	50.0	1	01/31/2024 02:45	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 02:45	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 02:45	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 02:45	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 15:39	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 02:45	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 15:39	WG2212748
Phenol	ND		10.0	1	01/28/2024 15:39	WG2212748
Phorate	ND		50.0	1	01/31/2024 02:45	WG2212748
Pronamide	ND		20.0	1	01/31/2024 02:45	WG2212748
Pyrene	ND		10.0	1	01/28/2024 15:39	WG2212748
Safrole	ND	J4	50.0	1	01/31/2024 02:45	WG2212748
Thionazin	ND		10.0	1	01/31/2024 02:45	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 02:45	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 15:39	WG2212748
n-Nitrosodiethylamine	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 15:39	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 15:39	WG2212748
n-Nitrosomethylethylamine	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
n-Nitrosopiperidine	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
n-Nitrosopyrrolidine	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
o-Toluidine	ND	J4	10.0	1	01/31/2024 02:45	WG2212748
p-Phenylenediamine	ND	J4	387	1	01/31/2024 02:45	WG2212748
(S) 2-Fluorophenol	0.000	J2		10.0-120	01/28/2024 15:39	WG2212748
(S) 2,4,6-Tribromophenol	44.9			10.0-155	01/28/2024 15:39	WG2212748
(S) p-Terphenyl-d14	63.8			10.0-128	01/28/2024 15:39	WG2212748
(S) Phenol-d5	1.61	J2		10.0-120	01/28/2024 15:39	WG2212748
(S) 2-Fluorobiphenyl	9.90	J2		10.0-130	01/28/2024 15:39	WG2212748
(S) Nitrobenzene-d5	0.000	J2		10.0-127	01/28/2024 15:39	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1698420-06 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-06 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.16	su
Specific Conductance (on site)	709	umhos/cm
Temperature (on-site)	14	Deg. C
Turbidity (on-site)	55.2	NTU
Dissolved Oxygen (on-site)	3.2	mg/l
eH/ORP (On Site)	126	mV
Depth to water (DTW) (FROM TOC)	61.5	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	233		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	174		10.0	1	01/25/2024 12:53	WG2212976
Alkalinity,Bicarbonate	174		10.0	1	01/25/2024 12:53	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 12:53	WG2212976

Sample Narrative:

L1698420-07 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 13:43	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.27		0.100	1	01/25/2024 02:25	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:33	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:56	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	24.7		3.00	1	01/25/2024 03:28	WG2212425
Sulfate	13.3		5.00	1	01/25/2024 03:28	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/24/2024 23:16	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:11	WG2212585

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	01/26/2024 09:57	WG2212911
Barium, Total Recoverable	0.105		0.00500	1	01/26/2024 09:57	WG2212911
Calcium, Total Recoverable	69.1		0.200	1	01/26/2024 09:57	WG2212911
Iron, Total Recoverable	0.218		0.0600	1	01/26/2024 09:57	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 09:57	WG2212911
Magnesium, Total Recoverable	3.47		0.200	1	01/26/2024 09:57	WG2212911
Manganese, Total Recoverable	0.0423		0.00300	1	01/26/2024 09:57	WG2212911
Sodium, Total Recoverable	15.8		5.00	1	01/26/2024 09:57	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 09:57	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 09:57	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 09:57	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/25/2024 20:09	WG2213210
Beryllium, Total Recoverable	ND		0.00100	1	01/25/2024 20:09	WG2213210
Cadmium, Total Recoverable	0.00113		0.00100	1	01/25/2024 20:09	WG2213210
Cobalt, Total Recoverable	ND		0.00300	1	01/25/2024 20:09	WG2213210
Chromium, Total Recoverable	ND		0.00300	1	01/25/2024 20:09	WG2213210
Copper, Total Recoverable	0.00497	J	0.00400	1	01/25/2024 20:09	WG2213210
Nickel, Total Recoverable	ND		0.00400	1	01/25/2024 20:09	WG2213210
Antimony, Total Recoverable	ND		0.00200	1	01/25/2024 20:09	WG2213210
Thallium, Total Recoverable	ND		0.00100	1	01/25/2024 20:09	WG2213210
Vanadium, Total Recoverable	ND		0.00300	1	01/25/2024 20:09	WG2213210
Zinc, Total Recoverable	0.0231	J	0.00500	1	01/25/2024 20:09	WG2213210

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 18:37	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 18:37	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 18:37	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 18:37	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 18:37	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 18:37	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 18:37	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 18:37	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 18:37	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 18:37	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 18:37	WG2213180
Acetone	ND		11.3	1	01/25/2024 18:37	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 18:37	WG2213180
Acrolein	ND		20.0	1	01/25/2024 18:37	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 18:37	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 18:37	WG2213180
Benzene	ND		1.00	1	01/25/2024 18:37	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Bromoform	ND		1.00	1	01/25/2024 18:37	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 18:37	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 18:37	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 18:37	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Chloroform	ND		1.00	1	01/25/2024 18:37	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 18:37	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 18:37	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 18:37	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 18:37	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Isobutanol	ND		110	1	01/25/2024 18:37	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 18:37	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 18:37	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 18:37	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 18:37	WG2213180
Styrene	ND		1.00	1	01/25/2024 18:37	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 18:37	WG2213180
Toluene	ND		1.00	1	01/25/2024 18:37	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 18:37	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 18:37	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 18:37	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 18:37	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 18:37	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 18:37	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 18:37	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 18:37	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 18:37	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 18:37	WG2213180
(S) Toluene-d8	95.9			80.0-120	01/25/2024 18:37	WG2213180
(S) 1,2-Dichloroethane-d4	91.7			70.0-130	01/25/2024 18:37	WG2213180
(S) 4-Bromofluorobenzene	95.6			77.0-126	01/25/2024 18:37	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4 T8	1.00	1	01/30/2024 23:03	WG2212848
2,4,5-Tp (Silvex)	ND	T8	1.00	1	01/30/2024 23:03	WG2212848
2,4-D	ND	J4 T8	4.00	1	01/30/2024 23:03	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	103			14.0-158	01/30/2024 23:03	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
4,4-DDE	ND	J3 T8	0.0500	1	01/27/2024 14:50	WG2212745
4,4-DDT	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Aldrin	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Alpha BHC	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Beta BHC	ND	T8	0.500	1	01/27/2024 14:50	WG2212745
Chlordane	ND	T8	0.500	1	01/27/2024 14:50	WG2212745
Delta BHC	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Dieldrin	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Endosulfan I	ND	J3 T8	0.0500	1	01/27/2024 14:50	WG2212745
Endosulfan II	ND	J3 T8	0.0500	1	01/27/2024 14:50	WG2212745
Endosulfan sulfate	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Endrin	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Endrin aldehyde	ND	J3 T8	0.0500	1	01/27/2024 14:50	WG2212745
Gamma BHC	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Heptachlor	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Heptachlor epoxide	ND	T8	0.0500	1	01/27/2024 14:50	WG2212745
Methoxychlor	ND	T8	0.100	1	01/27/2024 14:50	WG2212745
Toxaphene	ND	T8	5.00	1	01/27/2024 14:50	WG2212745
(S) Decachlorobiphenyl	46.0			10.0-128	01/27/2024 14:50	WG2212745
(S) Tetrachloro-m-xylene	67.4			10.0-127	01/27/2024 14:50	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:50	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:50	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:50	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:50	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:50	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:50	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:50	WG2212745
(S) Decachlorobiphenyl	56.2			10.0-128	01/27/2024 14:50	WG2212745
(S) Tetrachloro-m-xylene	72.5			10.0-127	01/27/2024 14:50	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
1,2,4-Trichlorobenzene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
1,3,5-Trinitrobenzene	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
1,3-Dinitrobenzene	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
1,4-Naphthoquinone	ND	J4 T8	50.0	1	01/30/2024 16:53	WG2212749
1-Naphthylamine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
2,2-Oxybis(1-Chloropropane)	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2,3,4,6-Tetrachlorophenol	ND	T8	50.0	1	01/28/2024 19:32	WG2212749

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2,4,6-Trichlorophenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2,4-Dichlorophenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2,4-Dimethylphenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2,4-Dinitrophenol	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
2,4-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2,6-Dichlorophenol	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
2,6-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2-Acetylaminofluorene	ND	T8	100	1	01/30/2024 16:53	WG2212749
2-Chloronaphthalene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2-Chlorophenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2-Methylnaphthalene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2-Methylphenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
2-Naphthylamine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
2-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
2-Nitrophenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
3&4-Methyl Phenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
3,3-Dichlorobenzidine	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
3,3-Dimethylbenzidine	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
3-Methylcholanthrene	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
3-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
4,6-Dinitro-2-methylphenol	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
4-Aminobiphenyl	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
4-Bromophenyl-phenylether	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
4-Chloro-3-methylphenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
4-Chloroaniline	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
4-Chlorophenyl-phenylether	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
4-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
4-Nitrophenol	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
5-Nitro-o-toluidine	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Acenaphthene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Acenaphthylene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Acetophenone	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Anthracene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzo(A)Anthracene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzo(a)pyrene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzo(b)fluoranthene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzo(g,h,i)perylene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzo(k)fluoranthene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzyl Alcohol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Benzylbutyl phthalate	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Bis(2-Ethylhexyl)phthalate	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Bis(2-chloroethoxy)methane	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Bis(2-chloroethyl)ether	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Chlorobenzilate	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
Chrysene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Di-n-butyl phthalate	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Di-n-octyl phthalate	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Diallate	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Dibenz(a,h)anthracene	ND	T8	20.0	1	01/28/2024 19:32	WG2212749
Dibenzofuran	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Diethyl phthalate	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Dimethoate	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Dimethyl phthalate	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Dimethylbenz (A) Anthracene	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Dinoseb	ND	T8	17.9	1	01/30/2024 16:53	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Disulfoton	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Ethyl methanesulfonate	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
Ethyl parathion	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Famphur	ND	T8	200	1	01/30/2024 16:53	WG2212749
Fluoranthene	ND	T8	1.00	1	01/28/2024 19:32	WG2212749
Fluorene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Hexachloro-1,3-butadiene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Hexachlorobenzene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Hexachlorocyclopentadiene	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
Hexachloroethane	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Hexachloropropene	ND	T8	100	1	01/30/2024 16:53	WG2212749
Indeno(1,2,3-cd)pyrene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Isodrin	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
Isophorone	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Isosafrole	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Kepone	ND	T8	1.88	1	01/30/2024 16:53	WG2212749
Methapyrilene	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Methyl methanesulfonate	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Methyl parathion	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
Naphthalene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Nitrobenzene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
O,O,O-Triethyl Phosphorothioate	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
P-(Dimethylamino) Azobenzene	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Pentachlorobenzene	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
Pentachloronitrobenzene	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Pentachlorophenol	ND	T8	50.0	1	01/28/2024 19:32	WG2212749
Phenacetin	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
Phenanthrene	ND	T8	20.0	1	01/28/2024 19:32	WG2212749
Phenol	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Phorate	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Pronamide	ND	T8	20.0	1	01/30/2024 16:53	WG2212749
Pyrene	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
Safrole	ND	T8	50.0	1	01/30/2024 16:53	WG2212749
Thionazin	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
n-Nitrosodi-n-butylamine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
n-Nitrosodi-n-propylamine	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
n-Nitrosodiethylamine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
n-Nitrosodimethylamine	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
n-Nitrosodiphenylamine	ND	T8	10.0	1	01/28/2024 19:32	WG2212749
n-Nitrosomethylethylamine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
n-Nitrosopiperidine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
n-Nitrosopyrrolidine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
o-Toluidine	ND	T8	10.0	1	01/30/2024 16:53	WG2212749
p-Phenylenediamine	ND	J4 T8	387	1	01/30/2024 16:53	WG2212749
(S) 2-Fluorophenol	25.8			10.0-120	01/28/2024 19:32	WG2212749
(S) 2,4,6-Tribromophenol	57.1			10.0-155	01/28/2024 19:32	WG2212749
(S) p-Terphenyl-d14	60.2			10.0-128	01/28/2024 19:32	WG2212749
(S) Phenol-d5	15.9			10.0-120	01/28/2024 19:32	WG2212749
(S) 2-Fluorobiphenyl	43.0			10.0-130	01/28/2024 19:32	WG2212749
(S) Nitrobenzene-d5	41.6			10.0-127	01/28/2024 19:32	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

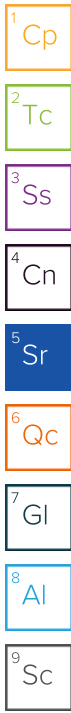
7 Gl

8 Al

9 Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.7	su
Specific Conductance (on site)	974	umhos/cm
Temperature (on-site)	11.9	Deg. C
Turbidity (on-site)	1	NTU
Dissolved Oxygen (on-site)	5.8	mg/l
eH/ORP (On Site)	110.3	mV
Depth to water (DTW) (FROM TOC)	74.45	ft



Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	333		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	307		10.0	1	01/25/2024 14:24	WG2212976
Alkalinity,Bicarbonate	307		10.0	1	01/25/2024 14:24	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 14:24	WG2212976

Sample Narrative:

L1698420-08 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.138		0.100	1	01/25/2024 13:45	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.30		0.100	1	01/25/2024 02:27	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:33	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/25/2024 13:57	WG2212469

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	10.8		3.00	1	01/25/2024 03:42	WG2212425
Sulfate	5.37		5.00	1	01/25/2024 03:42	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/24/2024 23:33	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:14	WG2212585

Metals (ICP) by Method 6010B

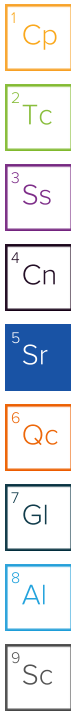
Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Silver, Total Recoverable	ND		0.0500	1	01/26/2024 10:00	WG2212911
Barium, Total Recoverable	0.0662		0.00500	1	01/26/2024 10:00	WG2212911
Calcium, Total Recoverable	120		0.200	1	01/26/2024 10:00	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 10:00	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 10:00	WG2212911
Magnesium, Total Recoverable	1.00		0.200	1	01/26/2024 10:00	WG2212911
Manganese, Total Recoverable	ND		0.00300	1	01/26/2024 10:00	WG2212911
Sodium, Total Recoverable	9.88		5.00	1	01/26/2024 10:00	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 10:00	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 10:00	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 10:00	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/30/2024 18:53	WG2213297
Beryllium, Total Recoverable	ND		0.00100	1	01/30/2024 18:53	WG2213297
Cadmium, Total Recoverable	ND		0.00100	1	01/30/2024 18:53	WG2213297
Cobalt, Total Recoverable	ND		0.00300	1	01/30/2024 18:53	WG2213297
Chromium, Total Recoverable	ND		0.00300	1	01/30/2024 18:53	WG2213297
Copper, Total Recoverable	ND		0.00400	1	01/30/2024 18:53	WG2213297
Nickel, Total Recoverable	ND		0.00400	1	01/30/2024 18:53	WG2213297
Antimony, Total Recoverable	ND		0.00200	1	01/30/2024 18:53	WG2213297
Thallium, Total Recoverable	ND		0.00100	1	01/30/2024 18:53	WG2213297
Vanadium, Total Recoverable	ND		0.00300	1	01/30/2024 18:53	WG2213297
Zinc, Total Recoverable	0.00705	J	0.00500	1	01/30/2024 18:53	WG2213297

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 18:57	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 18:57	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 18:57	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 18:57	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 18:57	WG2213180



Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 18:57	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 18:57	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 18:57	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 18:57	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 18:57	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 18:57	WG2213180
Acetone	ND		11.3	1	01/25/2024 18:57	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 18:57	WG2213180
Acrolein	ND		20.0	1	01/25/2024 18:57	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 18:57	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 18:57	WG2213180
Benzene	ND		1.00	1	01/25/2024 18:57	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Bromoform	ND		1.00	1	01/25/2024 18:57	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 18:57	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 18:57	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 18:57	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Chloroform	ND		1.00	1	01/25/2024 18:57	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 18:57	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 18:57	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 18:57	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 18:57	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Isobutanol	ND		110	1	01/25/2024 18:57	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 18:57	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 18:57	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 18:57	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 18:57	WG2213180
Styrene	ND		1.00	1	01/25/2024 18:57	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 18:57	WG2213180
Toluene	ND		1.00	1	01/25/2024 18:57	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 18:57	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 18:57	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 18:57	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 18:57	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 18:57	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 18:57	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 18:57	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 18:57	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 18:57	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 18:57	WG2213180
(S) Toluene-d8	95.5			80.0-120	01/25/2024 18:57	WG2213180
(S) 1,2-Dichloroethane-d4	92.3			70.0-130	01/25/2024 18:57	WG2213180
(S) 4-Bromofluorobenzene	95.5			77.0-126	01/25/2024 18:57	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4 T8	1.00	1	01/30/2024 21:32	WG2212848
2,4,5-Tp (Silvex)	ND	T8	1.00	1	01/30/2024 21:32	WG2212848
2,4-D	ND	J4 T8	4.00	1	01/30/2024 21:32	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	93.8			14.0-158	01/30/2024 21:32	WG2212848

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
4,4-DDE	ND	J3 T8	0.0500	1	01/27/2024 14:59	WG2212745
4,4-DDT	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Aldrin	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Alpha BHC	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Beta BHC	ND	T8	0.500	1	01/27/2024 14:59	WG2212745
Chlordane	ND	T8	0.500	1	01/27/2024 14:59	WG2212745
Delta BHC	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Dieldrin	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Endosulfan I	ND	J3 T8	0.0500	1	01/27/2024 14:59	WG2212745
Endosulfan II	ND	J3 T8	0.0500	1	01/27/2024 14:59	WG2212745
Endosulfan sulfate	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Endrin	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Endrin aldehyde	ND	J3 T8	0.0500	1	01/27/2024 14:59	WG2212745
Gamma BHC	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Heptachlor	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Heptachlor epoxide	ND	T8	0.0500	1	01/27/2024 14:59	WG2212745
Methoxychlor	ND	T8	0.100	1	01/27/2024 14:59	WG2212745
Toxaphene	ND	T8	5.00	1	01/27/2024 14:59	WG2212745
(S) Decachlorobiphenyl	31.4			10.0-128	01/27/2024 14:59	WG2212745
(S) Tetrachloro-m-xylene	63.8			10.0-127	01/27/2024 14:59	WG2212745

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 14:59	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 14:59	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 14:59	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 14:59	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 14:59	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 14:59	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 14:59	WG2212745
(S) Decachlorobiphenyl	53.4			10.0-128	01/27/2024 14:59	WG2212745
(S) Tetrachloro-m-xylene	68.7			10.0-127	01/27/2024 14:59	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
1,2,4-Trichlorobenzene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
1,3,5-Trinitrobenzene	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
1,3-Dinitrobenzene	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
1,4-Naphthoquinone	ND	J4 T8	50.0	1	01/30/2024 17:10	WG2212749
1-Naphthylamine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
2,2-Oxybis(1-Chloropropane)	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2,3,4,6-Tetrachlorophenol	ND	T8	50.0	1	01/28/2024 19:54	WG2212749

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2,4,6-Trichlorophenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2,4-Dichlorophenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2,4-Dimethylphenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2,4-Dinitrophenol	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
2,4-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2,6-Dichlorophenol	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
2,6-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2-Acetylaminofluorene	ND	T8	100	1	01/30/2024 17:10	WG2212749
2-Chloronaphthalene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2-Chlorophenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2-Methylnaphthalene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2-Methylphenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
2-Naphthylamine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
2-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
2-Nitrophenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
3&4-Methyl Phenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
3,3-Dichlorobenzidine	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
3,3-Dimethylbenzidine	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
3-Methylcholanthrene	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
3-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
4,6-Dinitro-2-methylphenol	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
4-Aminobiphenyl	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
4-Bromophenyl-phenylether	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
4-Chloro-3-methylphenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
4-Chloroaniline	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
4-Chlorophenyl-phenylether	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
4-Nitroaniline	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
4-Nitrophenol	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
5-Nitro-o-toluidine	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Acenaphthene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Acenaphthylene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Acetophenone	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Anthracene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzo(A)Anthracene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzo(a)pyrene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzo(b)fluoranthene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzo(g,h,i)perylene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzo(k)fluoranthene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzyl Alcohol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Benzylbutyl phthalate	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Bis(2-Ethylhexyl)phthalate	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Bis(2-chlorethoxy)methane	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Bis(2-chloroethyl)ether	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Chlorobenzilate	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
Chrysene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Di-n-butyl phthalate	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Di-n-octyl phthalate	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Diallate	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Dibenz(a,h)anthracene	ND	T8	20.0	1	01/28/2024 19:54	WG2212749
Dibenzofuran	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Diethyl phthalate	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Dimethoate	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Dimethyl phthalate	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Dimethylbenz (A) Anthracene	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Dinoseb	ND	T8	17.9	1	01/30/2024 17:10	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Disulfoton	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Ethyl methanesulfonate	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
Ethyl parathion	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Famphur	ND	T8	200	1	01/30/2024 17:10	WG2212749
Fluoranthene	ND	T8	1.00	1	01/28/2024 19:54	WG2212749
Fluorene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Hexachloro-1,3-butadiene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Hexachlorobenzene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Hexachlorocyclopentadiene	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
Hexachloroethane	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Hexachloropropene	ND	T8	100	1	01/30/2024 17:10	WG2212749
Indeno(1,2,3-cd)pyrene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Isodrin	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
Isophorone	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Isosafrole	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Kepone	ND	T8	1.88	1	01/30/2024 17:10	WG2212749
Methapyrilene	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Methyl methanesulfonate	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Methyl parathion	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
Naphthalene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Nitrobenzene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
O,O,O-Triethyl Phosphorothioate	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
P-(Dimethylamino) Azobenzene	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Pentachlorobenzene	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
Pentachloronitrobenzene	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Pentachlorophenol	ND	T8	50.0	1	01/28/2024 19:54	WG2212749
Phenacetin	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
Phenanthrene	ND	T8	20.0	1	01/28/2024 19:54	WG2212749
Phenol	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Phorate	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Pronamide	ND	T8	20.0	1	01/30/2024 17:10	WG2212749
Pyrene	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
Safrole	ND	T8	50.0	1	01/30/2024 17:10	WG2212749
Thionazin	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
n-Nitrosodi-n-butylamine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
n-Nitrosodi-n-propylamine	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
n-Nitrosodiethylamine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
n-Nitrosodimethylamine	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
n-Nitrosodiphenylamine	ND	T8	10.0	1	01/28/2024 19:54	WG2212749
n-Nitrosomethylethylamine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
n-Nitrosopiperidine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
n-Nitrosopyrrolidine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
o-Toluidine	ND	T8	10.0	1	01/30/2024 17:10	WG2212749
p-Phenylenediamine	ND	J4 T8	387	1	01/30/2024 17:10	WG2212749
(S) 2-Fluorophenol	23.6			10.0-120	01/28/2024 19:54	WG2212749
(S) 2,4,6-Tribromophenol	56.3			10.0-155	01/28/2024 19:54	WG2212749
(S) p-Terphenyl-d14	60.9			10.0-128	01/28/2024 19:54	WG2212749
(S) Phenol-d5	15.8			10.0-120	01/28/2024 19:54	WG2212749
(S) 2-Fluorobiphenyl	34.1			10.0-130	01/28/2024 19:54	WG2212749
(S) Nitrobenzene-d5	33.6			10.0-127	01/28/2024 19:54	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	5.36	su
Specific Conductance (on site)	84	umhos/cm
Temperature (on-site)	14.2	Deg. C
Turbidity (on-site)	7.3	NTU
Dissolved Oxygen (on-site)	5.3	mg/l
eH/ORP (On Site)	158.3	mV
Depth to water (DTW) (FROM TOC)	57.52	ft

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	88.0		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	55.1		10.0	1	01/25/2024 14:43	WG2212976
Alkalinity,Bicarbonate	55.1		10.0	1	01/25/2024 14:43	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 14:43	WG2212976

Sample Narrative:

L1698420-09 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 13:51	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.60		0.100	1	01/25/2024 02:29	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:33	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/26/2024 10:58	WG2212473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	4.67		3.00	1	01/25/2024 03:55	WG2212425
Sulfate	ND		5.00	1	01/25/2024 03:55	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/24/2024 23:50	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:17	WG2212585

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	01/26/2024 10:03	WG2212911
Barium, Total Recoverable	0.0520		0.00500	1	01/26/2024 10:03	WG2212911
Calcium, Total Recoverable	16.8		0.200	1	01/26/2024 10:03	WG2212911
Iron, Total Recoverable	0.119		0.0600	1	01/26/2024 10:03	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 10:03	WG2212911
Magnesium, Total Recoverable	0.994	J	0.200	1	01/26/2024 10:03	WG2212911
Manganese, Total Recoverable	0.0225		0.00300	1	01/26/2024 10:03	WG2212911
Sodium, Total Recoverable	ND		5.00	1	01/26/2024 10:03	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 10:03	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 10:03	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 10:03	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/30/2024 18:57	WG2213297
Beryllium, Total Recoverable	ND		0.00100	1	01/30/2024 18:57	WG2213297
Cadmium, Total Recoverable	ND		0.00100	1	01/30/2024 18:57	WG2213297
Cobalt, Total Recoverable	ND		0.00300	1	01/30/2024 18:57	WG2213297
Chromium, Total Recoverable	ND		0.00300	1	01/30/2024 18:57	WG2213297
Copper, Total Recoverable	ND		0.00400	1	01/30/2024 18:57	WG2213297
Nickel, Total Recoverable	ND		0.00400	1	01/30/2024 18:57	WG2213297
Antimony, Total Recoverable	ND		0.00200	1	01/30/2024 18:57	WG2213297
Thallium, Total Recoverable	ND		0.00100	1	01/30/2024 18:57	WG2213297
Vanadium, Total Recoverable	ND		0.00300	1	01/30/2024 18:57	WG2213297
Zinc, Total Recoverable	ND		0.00500	1	01/30/2024 18:57	WG2213297

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 19:18	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 19:18	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 19:18	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 19:18	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 19:18	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 19:18	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 19:18	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 19:18	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 19:18	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 19:18	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 19:18	WG2213180
Acetone	ND		11.3	1	01/25/2024 19:18	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 19:18	WG2213180
Acrolein	ND		20.0	1	01/25/2024 19:18	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 19:18	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 19:18	WG2213180
Benzene	ND		1.00	1	01/25/2024 19:18	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Bromoform	ND		1.00	1	01/25/2024 19:18	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 19:18	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 19:18	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 19:18	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Chloroform	ND		1.00	1	01/25/2024 19:18	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 19:18	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 19:18	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 19:18	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 19:18	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Isobutanol	ND		110	1	01/25/2024 19:18	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 19:18	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 19:18	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 19:18	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 19:18	WG2213180
Styrene	ND		1.00	1	01/25/2024 19:18	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 19:18	WG2213180
Toluene	ND		1.00	1	01/25/2024 19:18	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 19:18	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 19:18	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 19:18	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 19:18	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 19:18	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 19:18	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 19:18	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 19:18	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 19:18	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 19:18	WG2213180
(S) Toluene-d8	92.9			80.0-120	01/25/2024 19:18	WG2213180
(S) 1,2-Dichloroethane-d4	93.1			70.0-130	01/25/2024 19:18	WG2213180
(S) 4-Bromofluorobenzene	95.8			77.0-126	01/25/2024 19:18	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 23:14	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 23:14	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 23:14	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	80.6			14.0-158	01/30/2024 23:14	WG2212848



Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 15:07	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 15:07	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 15:07	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 15:07	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 15:07	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 15:07	WG2212745
Chlordane	ND		0.500	1	01/27/2024 15:07	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 15:07	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 15:07	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 15:07	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 15:07	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 15:07	WG2212745
Endrin	ND		0.0500	1	01/27/2024 15:07	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 15:07	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 15:07	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 15:07	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 15:07	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 15:07	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 15:07	WG2212745
(S) Decachlorobiphenyl	41.8			10.0-128	01/27/2024 15:07	WG2212745
(S) Tetrachloro-m-xylene	50.9			10.0-127	01/27/2024 15:07	WG2212745



Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 15:07	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 15:07	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 15:07	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 15:07	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 15:07	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 15:07	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 15:07	WG2212745
(S) Decachlorobiphenyl	52.2			10.0-128	01/27/2024 15:07	WG2212745
(S) Tetrachloro-m-xylene	54.8			10.0-127	01/27/2024 15:07	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 16:01	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 16:01	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 03:03	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 03:03	WG2212748
1,4-Naphthoquinone	ND	J4	50.0	1	01/31/2024 03:03	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 03:03	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 16:01	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 16:01	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 16:01	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 16:01	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 16:01	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 16:01	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 16:01	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 16:01	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 03:03	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 16:01	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 03:03	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 16:01	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 16:01	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 16:01	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 16:01	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 03:03	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 16:01	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 16:01	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 16:01	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 16:01	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 03:03	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 03:03	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 16:01	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 16:01	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 03:03	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 16:01	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 16:01	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 16:01	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 16:01	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 16:01	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 16:01	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 03:03	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 16:01	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 16:01	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 16:01	WG2212748
Anthracene	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 16:01	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 16:01	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 16:01	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 16:01	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 16:01	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 03:03	WG2212748
Chrysene	ND		10.0	1	01/28/2024 16:01	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 16:01	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 16:01	WG2212748
Diallate	ND		20.0	1	01/31/2024 03:03	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 16:01	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 16:01	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 16:01	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 03:03	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 16:01	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 03:03	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 03:03	WG2212748

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 16:01	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 03:03	WG2212748
Ethyl methanesulfonate	ND	<u>J4</u>	10.0	1	01/31/2024 03:03	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 03:03	WG2212748
Famphur	ND		200	1	01/31/2024 03:03	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 16:01	WG2212748
Fluorene	ND		10.0	1	01/28/2024 16:01	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 16:01	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 16:01	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 16:01	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 16:01	WG2212748
Hexachloropropene	ND	<u>J4</u>	100	1	01/31/2024 03:03	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 16:01	WG2212748
Isodrin	ND		10.0	1	01/31/2024 03:03	WG2212748
Isophorone	ND		10.0	1	01/28/2024 16:01	WG2212748
Isosafrole	ND	<u>J4</u>	20.0	1	01/31/2024 03:03	WG2212748
Kepone	ND		1.88	1	01/31/2024 03:03	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 03:03	WG2212748
Methyl methanesulfonate	ND	<u>J4</u>	50.0	1	01/31/2024 03:03	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 03:03	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 16:01	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 16:01	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	<u>J4</u>	50.0	1	01/31/2024 03:03	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 03:03	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 03:03	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 03:03	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 16:01	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 03:03	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 16:01	WG2212748
Phenol	ND		10.0	1	01/28/2024 16:01	WG2212748
Phorate	ND		50.0	1	01/31/2024 03:03	WG2212748
Pronamide	ND		20.0	1	01/31/2024 03:03	WG2212748
Pyrene	ND		10.0	1	01/28/2024 16:01	WG2212748
Safrole	ND	<u>J4</u>	50.0	1	01/31/2024 03:03	WG2212748
Thionazin	ND		10.0	1	01/31/2024 03:03	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 03:03	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 16:01	WG2212748
n-Nitrosodiethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 03:03	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 16:01	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 16:01	WG2212748
n-Nitrosomethylethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 03:03	WG2212748
n-Nitrosopiperidine	ND	<u>J4</u>	10.0	1	01/31/2024 03:03	WG2212748
n-Nitrosopyrrolidine	ND	<u>J4</u>	10.0	1	01/31/2024 03:03	WG2212748
o-Toluidine	ND	<u>J4</u>	10.0	1	01/31/2024 03:03	WG2212748
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/31/2024 03:03	WG2212748
(S) 2-Fluorophenol	26.1			10.0-120	01/28/2024 16:01	WG2212748
(S) 2,4,6-Tribromophenol	56.8			10.0-155	01/28/2024 16:01	WG2212748
(S) p-Terphenyl-d14	85.3			10.0-128	01/28/2024 16:01	WG2212748
(S) Phenol-d5	19.8			10.0-120	01/28/2024 16:01	WG2212748
(S) 2-Fluorobiphenyl	73.5			10.0-130	01/28/2024 16:01	WG2212748
(S) Nitrobenzene-d5	54.2			10.0-127	01/28/2024 16:01	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1698420-09 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-09 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.5	su
Specific Conductance (on site)	1216	umhos/cm
Temperature (on-site)	12.3	Deg. C
Turbidity (on-site)	4.2	NTU
Dissolved Oxygen (on-site)	2.2	mg/l
eH/ORP (On Site)	121.3	mV
Depth to water (DTW) (FROM TOC)	61	ft

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	436		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	376		10.0	1	01/25/2024 14:52	WG2212976
Alkalinity,Bicarbonate	376		10.0	1	01/25/2024 14:52	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 14:52	WG2212976

Sample Narrative:

L1698420-10 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		0.100	1	01/25/2024 13:52	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	2.88		0.100	2	01/25/2024 02:31	WG2212584

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:33	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/26/2024 11:00	WG2212473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	20.8		3.00	1	01/25/2024 04:09	WG2212425
Sulfate	ND		5.00	1	01/25/2024 04:09	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/25/2024 00:07	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:19	WG2212585

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	01/26/2024 10:06	WG2212911
Barium, Total Recoverable	0.0649		0.00500	1	01/26/2024 10:06	WG2212911
Calcium, Total Recoverable	148		0.200	1	01/26/2024 10:06	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 10:06	WG2212911
Potassium, Total Recoverable	ND		3.00	1	01/26/2024 10:06	WG2212911
Magnesium, Total Recoverable	2.16		0.200	1	01/26/2024 10:06	WG2212911
Manganese, Total Recoverable	0.0878		0.00300	1	01/26/2024 10:06	WG2212911
Sodium, Total Recoverable	11.2		5.00	1	01/26/2024 10:06	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 10:06	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 10:06	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 10:06	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/30/2024 18:39	WG2213297
Beryllium, Total Recoverable	ND		0.00100	1	01/30/2024 18:39	WG2213297
Cadmium, Total Recoverable	ND		0.00100	1	01/30/2024 18:39	WG2213297
Cobalt, Total Recoverable	ND		0.00300	1	01/30/2024 18:39	WG2213297
Chromium, Total Recoverable	ND		0.00300	1	01/30/2024 18:39	WG2213297
Copper, Total Recoverable	ND		0.00400	1	01/30/2024 18:39	WG2213297
Nickel, Total Recoverable	ND		0.00400	1	01/30/2024 18:39	WG2213297
Antimony, Total Recoverable	ND		0.00200	1	01/30/2024 18:39	WG2213297
Thallium, Total Recoverable	ND		0.00100	1	01/30/2024 18:39	WG2213297
Vanadium, Total Recoverable	ND		0.00300	1	01/30/2024 18:39	WG2213297
Zinc, Total Recoverable	0.0190	J	0.00500	1	01/30/2024 18:39	WG2213297

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 19:38	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 19:38	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 19:38	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 19:38	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 19:38	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 19:38	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 19:38	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 19:38	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 19:38	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 19:38	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 19:38	WG2213180
Acetone	ND		11.3	1	01/25/2024 19:38	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 19:38	WG2213180
Acrolein	ND		20.0	1	01/25/2024 19:38	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 19:38	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 19:38	WG2213180
Benzene	ND		1.00	1	01/25/2024 19:38	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Bromoform	ND		1.00	1	01/25/2024 19:38	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 19:38	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 19:38	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 19:38	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Chloroform	ND		1.00	1	01/25/2024 19:38	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 19:38	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 19:38	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 19:38	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 19:38	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Isobutanol	ND		110	1	01/25/2024 19:38	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 19:38	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 19:38	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 19:38	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 19:38	WG2213180
Styrene	ND		1.00	1	01/25/2024 19:38	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 19:38	WG2213180
Toluene	ND		1.00	1	01/25/2024 19:38	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 19:38	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 19:38	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 19:38	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 19:38	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 19:38	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 19:38	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 19:38	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 19:38	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 19:38	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 19:38	WG2213180
(S) Toluene-d8	97.8			80.0-120	01/25/2024 19:38	WG2213180
(S) 1,2-Dichloroethane-d4	91.8			70.0-130	01/25/2024 19:38	WG2213180
(S) 4-Bromofluorobenzene	97.0			77.0-126	01/25/2024 19:38	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4 T8	1.00	1	01/30/2024 22:17	WG2212848
2,4,5-Tp (Silvex)	ND	T8	1.00	1	01/30/2024 22:17	WG2212848
2,4-D	ND	J4 T8	4.00	1	01/30/2024 22:17	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	87.8			14.0-158	01/30/2024 22:17	WG2212848

1 Cp

2 Tc

3 Ss

4 Cn

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
4,4-DDE	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
4,4-DDT	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Aldrin	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Alpha BHC	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Beta BHC	ND	T8	0.500	1	01/26/2024 13:24	WG2212747
Chlordane	ND	T8	0.500	1	01/26/2024 13:24	WG2212747
Delta BHC	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Dieldrin	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Endosulfan I	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Endosulfan II	ND	J3 T8	0.0500	1	01/26/2024 13:24	WG2212747
Endosulfan sulfate	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Endrin	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Endrin aldehyde	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Gamma BHC	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Heptachlor	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Heptachlor epoxide	ND	T8	0.0500	1	01/26/2024 13:24	WG2212747
Methoxychlor	ND	T8	0.100	1	01/26/2024 13:24	WG2212747
Toxaphene	ND	T8	5.00	1	01/26/2024 13:24	WG2212747
(S) Decachlorobiphenyl	48.4			10.0-128	01/26/2024 13:24	WG2212747
(S) Tetrachloro-m-xylene	62.2			10.0-127	01/26/2024 13:24	WG2212747

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/26/2024 13:24	WG2212747
PCB 1221	ND		1.00	1	01/26/2024 13:24	WG2212747
PCB 1232	ND		1.00	1	01/26/2024 13:24	WG2212747
PCB 1242	ND		1.00	1	01/26/2024 13:24	WG2212747
PCB 1248	ND		1.00	1	01/26/2024 13:24	WG2212747
PCB 1254	ND		1.00	1	01/26/2024 13:24	WG2212747
PCB 1260	ND		1.00	1	01/26/2024 13:24	WG2212747
(S) Decachlorobiphenyl	65.6			10.0-128	01/26/2024 13:24	WG2212747
(S) Tetrachloro-m-xylene	74.8			10.0-127	01/26/2024 13:24	WG2212747

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
1,2,4-Trichlorobenzene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
1,3,5-Trinitrobenzene	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
1,3-Dinitrobenzene	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
1,4-Naphthoquinone	ND	J4 T8	50.0	1	01/30/2024 17:45	WG2212749
1-Naphthylamine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
2,2-Oxybis(1-Chloropropane)	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2,3,4,6-Tetrachlorophenol	ND	T8	50.0	1	01/28/2024 21:43	WG2212749

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2,4,6-Trichlorophenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2,4-Dichlorophenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2,4-Dimethylphenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2,4-Dinitrophenol	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
2,4-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2,6-Dichlorophenol	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
2,6-Dinitrotoluene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2-Acetylaminofluorene	ND	T8	100	1	01/30/2024 17:45	WG2212749
2-Chloronaphthalene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2-Chlorophenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2-Methylnaphthalene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2-Methylphenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
2-Naphthylamine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
2-Nitroaniline	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
2-Nitrophenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
3&4-Methyl Phenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
3,3-Dichlorobenzidine	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
3,3-Dimethylbenzidine	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
3-Methylcholanthrene	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
3-Nitroaniline	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
4,6-Dinitro-2-methylphenol	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
4-Aminobiphenyl	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
4-Bromophenyl-phenylether	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
4-Chloro-3-methylphenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
4-Chloroaniline	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
4-Chlorophenyl-phenylether	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
4-Nitroaniline	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
4-Nitrophenol	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
5-Nitro-o-toluidine	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Acenaphthene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Acenaphthylene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Acetophenone	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Anthracene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzo(A)Anthracene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzo(a)pyrene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzo(b)fluoranthene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzo(g,h,i)perylene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzo(k)fluoranthene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzyl Alcohol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Benzylbutyl phthalate	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Bis(2-Ethylhexyl)phthalate	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Bis(2-chlorethoxy)methane	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Bis(2-chloroethyl)ether	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Chlorobenzilate	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
Chrysene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Di-n-butyl phthalate	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Di-n-octyl phthalate	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Diallate	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Dibenz(a,h)anthracene	ND	T8	20.0	1	01/28/2024 21:43	WG2212749
Dibenzofuran	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Diethyl phthalate	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Dimethoate	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Dimethyl phthalate	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Dimethylbenz (A) Anthracene	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Dinoseb	ND	T8	17.9	1	01/30/2024 17:45	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Disulfoton	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Ethyl methanesulfonate	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
Ethyl parathion	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Famphur	ND	T8	200	1	01/30/2024 17:45	WG2212749
Fluoranthene	ND	T8	1.00	1	01/28/2024 21:43	WG2212749
Fluorene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Hexachloro-1,3-butadiene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Hexachlorobenzene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Hexachlorocyclopentadiene	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
Hexachloroethane	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Hexachloropropene	ND	T8	100	1	01/30/2024 17:45	WG2212749
Indeno(1,2,3-cd)pyrene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Isodrin	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
Isophorone	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Isosafrole	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Kepone	ND	T8	1.88	1	01/30/2024 17:45	WG2212749
Methapyrilene	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Methyl methanesulfonate	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Methyl parathion	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
Naphthalene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Nitrobenzene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
O,O,O-Triethyl Phosphorothioate	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
P-(Dimethylamino) Azobenzene	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Pentachlorobenzene	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
Pentachloronitrobenzene	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Pentachlorophenol	ND	T8	50.0	1	01/28/2024 21:43	WG2212749
Phenacetin	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
Phenanthrene	ND	T8	20.0	1	01/28/2024 21:43	WG2212749
Phenol	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Phorate	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Pronamide	ND	T8	20.0	1	01/30/2024 17:45	WG2212749
Pyrene	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
Safrole	ND	T8	50.0	1	01/30/2024 17:45	WG2212749
Thionazin	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
n-Nitrosodi-n-butylamine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
n-Nitrosodi-n-propylamine	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
n-Nitrosodiethylamine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
n-Nitrosodimethylamine	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
n-Nitrosodiphenylamine	ND	T8	10.0	1	01/28/2024 21:43	WG2212749
n-Nitrosomethylethylamine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
n-Nitrosopiperidine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
n-Nitrosopyrrolidine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
o-Toluidine	ND	T8	10.0	1	01/30/2024 17:45	WG2212749
p-Phenylenediamine	ND	J4 T8	387	1	01/30/2024 17:45	WG2212749
(S) 2-Fluorophenol	26.4			10.0-120	01/28/2024 21:43	WG2212749
(S) 2,4,6-Tribromophenol	57.4			10.0-155	01/28/2024 21:43	WG2212749
(S) p-Terphenyl-d14	67.9			10.0-128	01/28/2024 21:43	WG2212749
(S) Phenol-d5	18.7			10.0-120	01/28/2024 21:43	WG2212749
(S) 2-Fluorobiphenyl	50.3			10.0-130	01/28/2024 21:43	WG2212749
(S) Nitrobenzene-d5	55.0			10.0-127	01/28/2024 21:43	WG2212749

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Additional Information - Results for field analyses are not accredited to ISO 17025

Analyte	Result	Units
pH (On Site)	6.3	su
Specific Conductance (on site)	489	umhos/cm
Temperature (on-site)	14.1	Deg. C
Turbidity (on-site)	3.9	NTU
Dissolved Oxygen (on-site)	0.4	mg/l
eH/ORP (On Site)	84.1	mV
Depth to water (DTW) (FROM TOC)	29.75	ft

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	263		10.0	1	01/24/2024 23:56	WG2212541

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	182		10.0	1	01/25/2024 14:56	WG2212976
Alkalinity,Bicarbonate	182		10.0	1	01/25/2024 14:56	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 14:56	WG2212976

Sample Narrative:

L1698420-11 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.302		0.100	1	01/25/2024 13:54	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.75		0.100	1	01/25/2024 02:51	WG2212591

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:34	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/26/2024 11:01	WG2212473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	30.3		3.00	1	01/25/2024 04:22	WG2212425
Sulfate	21.1		5.00	1	01/25/2024 04:22	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
TOC	1.21		1.00	1	01/25/2024 01:02	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:22	WG2212585

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Silver, Total Recoverable	ND		0.0500	1	01/26/2024 10:09	WG2212911
Barium, Total Recoverable	0.136		0.00500	1	01/26/2024 10:09	WG2212911
Calcium, Total Recoverable	56.6		0.200	1	01/26/2024 10:09	WG2212911
Iron, Total Recoverable	ND		0.0600	1	01/26/2024 10:09	WG2212911
Potassium, Total Recoverable	3.66		3.00	1	01/26/2024 10:09	WG2212911
Magnesium, Total Recoverable	7.85		0.200	1	01/26/2024 10:09	WG2212911
Manganese, Total Recoverable	2.49		0.00300	1	01/26/2024 10:09	WG2212911
Sodium, Total Recoverable	26.1		5.00	1	01/26/2024 10:09	WG2212911
Lead, Total Recoverable	ND		0.00500	1	01/26/2024 10:09	WG2212911
Selenium, Total Recoverable	ND		0.0100	1	01/26/2024 10:09	WG2212911
Tin, Total Recoverable	ND		0.100	1	01/26/2024 10:09	WG2212911

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
Arsenic, Total Recoverable	ND		0.00500	1	01/30/2024 19:00	WG2213297
Beryllium, Total Recoverable	ND		0.00100	1	01/30/2024 19:00	WG2213297
Cadmium, Total Recoverable	0.00756		0.00100	1	01/30/2024 19:00	WG2213297
Cobalt, Total Recoverable	ND		0.00300	1	01/30/2024 19:00	WG2213297
Chromium, Total Recoverable	ND		0.00300	1	01/30/2024 19:00	WG2213297
Copper, Total Recoverable	ND		0.00400	1	01/30/2024 19:00	WG2213297
Nickel, Total Recoverable	0.0217		0.00400	1	01/30/2024 19:00	WG2213297
Antimony, Total Recoverable	ND		0.00200	1	01/30/2024 19:00	WG2213297
Thallium, Total Recoverable	ND		0.00100	1	01/30/2024 19:00	WG2213297
Vanadium, Total Recoverable	ND		0.00300	1	01/30/2024 19:00	WG2213297
Zinc, Total Recoverable	0.0126	J	0.00500	1	01/30/2024 19:00	WG2213297

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,1,1-Trichloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,1,2-Trichloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,1-Dichloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,1-Dichloroethene	ND		1.00	1	01/25/2024 19:59	WG2213180
1,1-Dichloropropene	ND		1.00	1	01/25/2024 19:59	WG2213180
1,2,3-Trichloropropane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/25/2024 19:59	WG2213180
1,2-Dibromoethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,2-Dichlorobenzene	ND		1.00	1	01/25/2024 19:59	WG2213180
1,2-Dichloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,2-Dichloropropane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,3-Dichlorobenzene	ND		1.00	1	01/25/2024 19:59	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/25/2024 19:59	WG2213180
1,4-Dichlorobenzene	ND		1.00	1	01/25/2024 19:59	WG2213180
2,2-Dichloropropane	ND		5.00	1	01/25/2024 19:59	WG2213180
2-Butanone (MEK)	ND		5.00	1	01/25/2024 19:59	WG2213180
2-Hexanone	ND		5.00	1	01/25/2024 19:59	WG2213180
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/25/2024 19:59	WG2213180
Acetone	ND		11.3	1	01/25/2024 19:59	WG2213180
Acetonitrile	ND		30.0	1	01/25/2024 19:59	WG2213180
Acrolein	ND		20.0	1	01/25/2024 19:59	WG2213180
Acrylonitrile	ND		20.0	1	01/25/2024 19:59	WG2213180
Allyl chloride	ND		10.0	1	01/25/2024 19:59	WG2213180
Benzene	ND		1.00	1	01/25/2024 19:59	WG2213180
Bromochloromethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Bromodichloromethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Bromoform	ND		1.00	1	01/25/2024 19:59	WG2213180
Bromomethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Carbon disulfide	ND		1.00	1	01/25/2024 19:59	WG2213180
Carbon tetrachloride	ND		1.00	1	01/25/2024 19:59	WG2213180
Chlorobenzene	ND		1.00	1	01/25/2024 19:59	WG2213180
Chloroethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Chloroform	ND		1.00	1	01/25/2024 19:59	WG2213180
Chloromethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Chloroprene	ND		1.70	1	01/25/2024 19:59	WG2213180
Dibromochloromethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Dibromomethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Dichlorodifluoromethane	ND		2.00	1	01/25/2024 19:59	WG2213180
Ethyl methacrylate	ND		3.00	1	01/25/2024 19:59	WG2213180
Ethylbenzene	ND		1.00	1	01/25/2024 19:59	WG2213180
Iodomethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Isobutanol	ND		110	1	01/25/2024 19:59	WG2213180
Methacrylonitrile	ND		13.0	1	01/25/2024 19:59	WG2213180
Methyl methacrylate	ND		4.00	1	01/25/2024 19:59	WG2213180
Methylene Chloride	ND		1.07	1	01/25/2024 19:59	WG2213180
Propionitrile	ND		20.0	1	01/25/2024 19:59	WG2213180
Styrene	ND		1.00	1	01/25/2024 19:59	WG2213180
Tetrachloroethene	ND		1.00	1	01/25/2024 19:59	WG2213180
Toluene	ND		1.00	1	01/25/2024 19:59	WG2213180
Trichloroethene	ND		1.00	1	01/25/2024 19:59	WG2213180
Trichlorofluoromethane	ND		1.00	1	01/25/2024 19:59	WG2213180
Vinyl acetate	ND		5.00	1	01/25/2024 19:59	WG2213180
Vinyl chloride	ND		1.00	1	01/25/2024 19:59	WG2213180
Xylenes, Total	ND		1.00	1	01/25/2024 19:59	WG2213180
cis-1,2-Dichloroethene	ND		1.00	1	01/25/2024 19:59	WG2213180
cis-1,3-Dichloropropene	ND		1.00	1	01/25/2024 19:59	WG2213180
trans-1,2-Dichloroethene	ND		1.00	1	01/25/2024 19:59	WG2213180
trans-1,3-Dichloropropene	ND		1.00	1	01/25/2024 19:59	WG2213180
trans-1,4-Dichloro-2-butene	ND		1.00	1	01/25/2024 19:59	WG2213180
(S) Toluene-d8	98.1			80.0-120	01/25/2024 19:59	WG2213180
(S) 1,2-Dichloroethane-d4	92.8			70.0-130	01/25/2024 19:59	WG2213180
(S) 4-Bromofluorobenzene	98.4			77.0-126	01/25/2024 19:59	WG2213180

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 22:29	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 22:29	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 22:29	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	92.8			14.0-158	01/30/2024 22:29	WG2212848



Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	2	01/27/2024 15:16	WG2212745
4,4-DDE	ND	J3	0.0500	2	01/27/2024 15:16	WG2212745
4,4-DDT	ND		0.0500	2	01/27/2024 15:16	WG2212745
Aldrin	ND		0.0500	2	01/27/2024 15:16	WG2212745
Alpha BHC	ND		0.0500	2	01/27/2024 15:16	WG2212745
Beta BHC	ND		0.500	2	01/27/2024 15:16	WG2212745
Chlordane	ND		0.500	2	01/27/2024 15:16	WG2212745
Delta BHC	ND		0.0500	2	01/27/2024 15:16	WG2212745
Dieldrin	ND		0.0500	2	01/27/2024 15:16	WG2212745
Endosulfan I	ND	J3	0.0500	2	01/27/2024 15:16	WG2212745
Endosulfan II	ND	J3	0.0500	2	01/27/2024 15:16	WG2212745
Endosulfan sulfate	ND		0.0500	2	01/27/2024 15:16	WG2212745
Endrin	ND		0.0500	2	01/27/2024 15:16	WG2212745
Endrin aldehyde	ND	J3	0.0500	2	01/27/2024 15:16	WG2212745
Gamma BHC	ND		0.0500	2	01/27/2024 15:16	WG2212745
Heptachlor	ND		0.0500	2	01/27/2024 15:16	WG2212745
Heptachlor epoxide	ND		0.0500	2	01/27/2024 15:16	WG2212745
Methoxychlor	ND		0.100	2	01/27/2024 15:16	WG2212745
Toxaphene	ND		5.00	2	01/27/2024 15:16	WG2212745
(S) Decachlorobiphenyl	61.5			10.0-128	01/27/2024 15:16	WG2212745
(S) Tetrachloro-m-xylene	72.0			10.0-127	01/27/2024 15:16	WG2212745



Sample Narrative:

L1698420-11 WG2212745: Dilution due to sample volume.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	2	01/27/2024 15:16	WG2212745
PCB 1221	ND		1.00	2	01/27/2024 15:16	WG2212745
PCB 1232	ND		1.00	2	01/27/2024 15:16	WG2212745
PCB 1242	ND		1.00	2	01/27/2024 15:16	WG2212745
PCB 1248	ND		1.00	2	01/27/2024 15:16	WG2212745
PCB 1254	ND		1.00	2	01/27/2024 15:16	WG2212745
PCB 1260	ND		1.00	2	01/27/2024 15:16	WG2212745
(S) Decachlorobiphenyl	70.5			10.0-128	01/27/2024 15:16	WG2212745
(S) Tetrachloro-m-xylene	77.5			10.0-127	01/27/2024 15:16	WG2212745

Sample Narrative:

L1698420-11 WG2212745: Dilution due to sample volume.

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 16:23	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 16:23	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 03:20	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 03:20	WG2212748
1,4-Naphthoquinone	ND	J4	50.0	1	01/31/2024 03:20	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 03:20	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 16:23	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 16:23	WG2212748
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 16:23	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 16:23	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 16:23	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 16:23	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 16:23	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 16:23	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 16:23	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 03:20	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 16:23	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 16:23	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 16:23	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 16:23	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 03:20	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 16:23	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 16:23	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 16:23	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 16:23	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 03:20	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 03:20	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 16:23	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 16:23	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 03:20	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 16:23	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 16:23	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 16:23	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 16:23	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 16:23	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 16:23	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 03:20	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 16:23	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 16:23	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 16:23	WG2212748
Anthracene	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 16:23	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 16:23	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 16:23	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 16:23	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 16:23	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 03:20	WG2212748
Chrysene	ND		10.0	1	01/28/2024 16:23	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 16:23	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 16:23	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
Diallate	ND		20.0	1	01/31/2024 03:20	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 16:23	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 16:23	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 16:23	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 03:20	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 16:23	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 03:20	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 03:20	WG2212748
Diphenylamine	ND		10.0	1	01/28/2024 16:23	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 03:20	WG2212748
Ethyl methanesulfonate	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 03:20	WG2212748
Famphur	ND		200	1	01/31/2024 03:20	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 16:23	WG2212748
Fluorene	ND		10.0	1	01/28/2024 16:23	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 16:23	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 16:23	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 16:23	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 16:23	WG2212748
Hexachloropropene	ND	J4	100	1	01/31/2024 03:20	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 16:23	WG2212748
Isodrin	ND		10.0	1	01/31/2024 03:20	WG2212748
Isophorone	ND		10.0	1	01/28/2024 16:23	WG2212748
Isosafrole	ND	J4	20.0	1	01/31/2024 03:20	WG2212748
Kepone	ND		1.88	1	01/31/2024 03:20	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 03:20	WG2212748
Methyl methanesulfonate	ND	J4	50.0	1	01/31/2024 03:20	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 03:20	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 16:23	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 16:23	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	J4	50.0	1	01/31/2024 03:20	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 03:20	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 03:20	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 03:20	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 16:23	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 03:20	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 16:23	WG2212748
Phenol	ND		10.0	1	01/28/2024 16:23	WG2212748
Phorate	ND		50.0	1	01/31/2024 03:20	WG2212748
Pronamide	ND		20.0	1	01/31/2024 03:20	WG2212748
Pyrene	ND		10.0	1	01/28/2024 16:23	WG2212748
Safrole	ND	J4	50.0	1	01/31/2024 03:20	WG2212748
Thionazin	ND		10.0	1	01/31/2024 03:20	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 03:20	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 16:23	WG2212748
n-Nitrosodiethylamine	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 16:23	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 16:23	WG2212748
n-Nitrosomethylethylamine	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
n-Nitrosopiperidine	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
n-Nitrosopyrrolidine	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
o-Toluidine	ND	J4	10.0	1	01/31/2024 03:20	WG2212748
p-Phenylenediamine	ND	J4	387	1	01/31/2024 03:20	WG2212748
(S) 2-Fluorophenol	0.000	J2		10.0-120	01/28/2024 16:23	WG2212748
(S) 2,4,6-Tribromophenol	64.0			10.0-155	01/28/2024 16:23	WG2212748
(S) p-Terphenyl-d14	89.9			10.0-128	01/28/2024 16:23	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	0.367	<u>J2</u>		10.0-120	01/28/2024 16:23	WG2212748
(S) 2-Fluorobiphenyl	4.70	<u>J2</u>		10.0-130	01/28/2024 16:23	WG2212748
(S) Nitrobenzene-d5	0.000	<u>J2</u>		10.0-127	01/28/2024 16:23	WG2212748

Sample Narrative:

L1698420-11 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-11 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

- 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)	7.19	su
Specific Conductance (on site)	361	umhos/cm
Temperature (on-site)	13.5	Deg. C
Turbidity (on-site)	3.6	NTU
Dissolved Oxygen (on-site)	6.6	mg/l
eH/ORP (On Site)	86.9	mV
Depth to water (DTW) (FROM TOC)	61	ft

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Dissolved Solids	192		10.0	1	01/25/2024 00:56	WG2212634

Wet Chemistry by Method 2320 B-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Alkalinity	189		10.0	1	01/25/2024 15:00	WG2212976
Alkalinity,Bicarbonate	189		10.0	1	01/25/2024 15:00	WG2212976
Alkalinity,Carbonate	ND		10.0	1	01/25/2024 15:00	WG2212976

Sample Narrative:

L1698420-12 WG2212976: Endpoint pH 4.5 Headspace

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	0.122		0.100	1	01/25/2024 13:55	WG2212493

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.472		0.100	1	01/25/2024 02:54	WG2212591

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Sulfide	ND		4.00	1	01/24/2024 20:34	WG2212555

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Cyanide	ND		0.0100	1	01/26/2024 11:03	WG2212473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch
Chloride	ND		3.00	1	01/25/2024 04:36	WG2212425
Sulfate	ND		5.00	1	01/25/2024 04:36	WG2212425

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis date / time	Batch

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
TOC	ND		1.00	1	01/25/2024 01:37	WG2212502

Mercury by Method 7470A

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Mercury, Total Recoverable	ND		0.000200	1	01/26/2024 11:24	WG2212585

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	01/29/2024 07:58	WG2212915
Barium, Total Recoverable	0.0519		0.00500	1	01/29/2024 07:58	WG2212915
Calcium, Total Recoverable	76.6		0.200	1	01/29/2024 07:58	WG2212915
Iron, Total Recoverable	ND		0.0600	1	01/29/2024 07:58	WG2212915
Potassium, Total Recoverable	ND		3.00	1	01/29/2024 07:58	WG2212915
Magnesium, Total Recoverable	0.641	J	0.200	1	01/29/2024 07:58	WG2212915
Manganese, Total Recoverable	ND		0.00300	1	01/29/2024 07:58	WG2212915
Sodium, Total Recoverable	ND		5.00	1	01/29/2024 07:58	WG2212915
Lead, Total Recoverable	ND		0.00500	1	01/29/2024 07:58	WG2212915
Selenium, Total Recoverable	ND		0.0100	1	01/29/2024 07:58	WG2212915
Tin, Total Recoverable	ND		0.100	1	01/29/2024 07:58	WG2212915

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Arsenic, Total Recoverable	ND		0.00500	1	01/30/2024 19:04	WG2213297
Beryllium, Total Recoverable	ND		0.00100	1	01/30/2024 19:04	WG2213297
Cadmium, Total Recoverable	ND		0.00100	1	01/30/2024 19:04	WG2213297
Cobalt, Total Recoverable	ND		0.00300	1	01/30/2024 19:04	WG2213297
Chromium, Total Recoverable	ND		0.00300	1	01/30/2024 19:04	WG2213297
Copper, Total Recoverable	ND		0.00400	1	01/30/2024 19:04	WG2213297
Nickel, Total Recoverable	ND		0.00400	1	01/30/2024 19:04	WG2213297
Antimony, Total Recoverable	ND		0.00200	1	01/30/2024 19:04	WG2213297
Thallium, Total Recoverable	ND		0.00100	1	01/30/2024 19:04	WG2213297
Vanadium, Total Recoverable	ND		0.00300	1	01/30/2024 19:04	WG2213297
Zinc, Total Recoverable	0.0207	J	0.00500	1	01/30/2024 19:04	WG2213297

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,1,1,2-Tetrachloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,1,1-Trichloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,1,2,2-Tetrachloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,1,2-Trichloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,1-Dichloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,1-Dichloroethene	ND		1.00	1	01/26/2024 16:45	WG2213431
1,1-Dichloropropene	ND		1.00	1	01/26/2024 16:45	WG2213431
1,2,3-Trichloropropane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,2-Dibromo-3-Chloropropane	ND		2.00	1	01/26/2024 16:45	WG2213431
1,2-Dibromoethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,2-Dichlorobenzene	ND		1.00	1	01/26/2024 16:45	WG2213431
1,2-Dichloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,2-Dichloropropane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,3-Dichlorobenzene	ND		1.00	1	01/26/2024 16:45	WG2213431

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,3-Dichloropropane	ND		1.00	1	01/26/2024 16:45	WG2213431
1,4-Dichlorobenzene	ND		1.00	1	01/26/2024 16:45	WG2213431
2,2-Dichloropropane	ND		5.00	1	01/26/2024 16:45	WG2213431
2-Butanone (MEK)	ND		5.00	1	01/26/2024 16:45	WG2213431
2-Hexanone	ND		5.00	1	01/26/2024 16:45	WG2213431
4-Methyl-2-pentanone (MIBK)	ND		5.00	1	01/26/2024 16:45	WG2213431
Acetone	ND		11.3	1	01/26/2024 16:45	WG2213431
Acetonitrile	ND		30.0	1	01/26/2024 16:45	WG2213431
Acrolein	ND		20.0	1	01/26/2024 16:45	WG2213431
Acrylonitrile	ND		20.0	1	01/26/2024 16:45	WG2213431
Allyl chloride	ND		10.0	1	01/26/2024 16:45	WG2213431
Benzene	ND		1.00	1	01/26/2024 16:45	WG2213431
Bromochloromethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Bromodichloromethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Bromoform	ND		1.00	1	01/26/2024 16:45	WG2213431
Bromomethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Carbon disulfide	ND		1.00	1	01/26/2024 16:45	WG2213431
Carbon tetrachloride	ND		1.00	1	01/26/2024 16:45	WG2213431
Chlorobenzene	ND		1.00	1	01/26/2024 16:45	WG2213431
Chloroethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Chloroform	ND		1.00	1	01/26/2024 16:45	WG2213431
Chloromethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Chloroprene	ND		1.70	1	01/26/2024 16:45	WG2213431
Dibromochloromethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Dibromomethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Dichlorodifluoromethane	ND		2.00	1	01/26/2024 16:45	WG2213431
Ethyl methacrylate	ND		3.00	1	01/26/2024 16:45	WG2213431
Ethylbenzene	ND		1.00	1	01/26/2024 16:45	WG2213431
Iodomethane	ND		1.00	1	01/26/2024 16:45	WG2213431
Isobutanol	ND		110	1	01/29/2024 13:55	WG2215141
Methacrylonitrile	ND		13.0	1	01/26/2024 16:45	WG2213431
Methyl methacrylate	ND		4.00	1	01/26/2024 16:45	WG2213431
Methylene Chloride	ND		1.07	1	01/26/2024 16:45	WG2213431
Propionitrile	ND		20.0	1	01/26/2024 16:45	WG2213431
Styrene	ND		1.00	1	01/26/2024 16:45	WG2213431
Tetrachloroethene	ND		1.00	1	01/26/2024 16:45	WG2213431
Toluene	ND		1.00	1	01/26/2024 16:45	WG2213431
Trichloroethene	ND		1.00	1	01/26/2024 16:45	WG2213431
Trichlorofluoromethane	ND	J4	1.00	1	01/26/2024 16:45	WG2213431
Vinyl acetate	ND		5.00	1	01/26/2024 16:45	WG2213431
Vinyl chloride	ND		1.00	1	01/26/2024 16:45	WG2213431
Xylenes, Total	ND		1.00	1	01/26/2024 16:45	WG2213431
cis-1,2-Dichloroethene	ND		1.00	1	01/26/2024 16:45	WG2213431
cis-1,3-Dichloropropene	ND		1.00	1	01/26/2024 16:45	WG2213431
trans-1,2-Dichloroethene	ND		1.00	1	01/26/2024 16:45	WG2213431
trans-1,3-Dichloropropene	ND		1.00	1	01/26/2024 16:45	WG2213431
trans-1,4-Dichloro-2-butene	ND	J4	1.00	1	01/26/2024 16:45	WG2213431
(S) Toluene-d8	103			80.0-120	01/26/2024 16:45	WG2213431
(S) Toluene-d8	94.1			80.0-120	01/29/2024 13:55	WG2215141
(S) 1,2-Dichloroethane-d4	99.9			70.0-130	01/26/2024 16:45	WG2213431
(S) 1,2-Dichloroethane-d4	89.4			70.0-130	01/29/2024 13:55	WG2215141
(S) 4-Bromofluorobenzene	89.4			77.0-126	01/26/2024 16:45	WG2213431
(S) 4-Bromofluorobenzene	98.0			77.0-126	01/29/2024 13:55	WG2215141

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Chlorinated Acid Herbicides (GC) by Method 8151

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-T	ND	J4	1.00	1	01/30/2024 22:40	WG2212848
2,4,5-Tp (Silvex)	ND		1.00	1	01/30/2024 22:40	WG2212848
2,4-D	ND	J4	4.00	1	01/30/2024 22:40	WG2212848
(S) 2,4-Dichlorophenyl Acetic Acid	93.0			14.0-158	01/30/2024 22:40	WG2212848

Pesticides (GC) by Method 8081

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
4,4-DDD	ND		0.0500	1	01/27/2024 15:25	WG2212745
4,4-DDE	ND	J3	0.0500	1	01/27/2024 15:25	WG2212745
4,4-DDT	ND		0.0500	1	01/27/2024 15:25	WG2212745
Aldrin	ND		0.0500	1	01/27/2024 15:25	WG2212745
Alpha BHC	ND		0.0500	1	01/27/2024 15:25	WG2212745
Beta BHC	ND		0.500	1	01/27/2024 15:25	WG2212745
Chlordane	ND		0.500	1	01/27/2024 15:25	WG2212745
Delta BHC	ND		0.0500	1	01/27/2024 15:25	WG2212745
Dieldrin	ND		0.0500	1	01/27/2024 15:25	WG2212745
Endosulfan I	ND	J3	0.0500	1	01/27/2024 15:25	WG2212745
Endosulfan II	ND	J3	0.0500	1	01/27/2024 15:25	WG2212745
Endosulfan sulfate	ND		0.0500	1	01/27/2024 15:25	WG2212745
Endrin	ND		0.0500	1	01/27/2024 15:25	WG2212745
Endrin aldehyde	ND	J3	0.0500	1	01/27/2024 15:25	WG2212745
Gamma BHC	ND		0.0500	1	01/27/2024 15:25	WG2212745
Heptachlor	ND		0.0500	1	01/27/2024 15:25	WG2212745
Heptachlor epoxide	ND		0.0500	1	01/27/2024 15:25	WG2212745
Methoxychlor	ND		0.100	1	01/27/2024 15:25	WG2212745
Toxaphene	ND		5.00	1	01/27/2024 15:25	WG2212745
(S) Decachlorobiphenyl	65.3			10.0-128	01/27/2024 15:25	WG2212745
(S) Tetrachloro-m-xylene	60.5			10.0-127	01/27/2024 15:25	WG2212745

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
PCB 1016	ND		1.00	1	01/27/2024 15:25	WG2212745
PCB 1221	ND		1.00	1	01/27/2024 15:25	WG2212745
PCB 1232	ND		1.00	1	01/27/2024 15:25	WG2212745
PCB 1242	ND		1.00	1	01/27/2024 15:25	WG2212745
PCB 1248	ND		1.00	1	01/27/2024 15:25	WG2212745
PCB 1254	ND		1.00	1	01/27/2024 15:25	WG2212745
PCB 1260	ND		1.00	1	01/27/2024 15:25	WG2212745
(S) Decachlorobiphenyl	79.7			10.0-128	01/27/2024 15:25	WG2212745
(S) Tetrachloro-m-xylene	63.3			10.0-127	01/27/2024 15:25	WG2212745

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
1,2,4,5-Tetrachlorobenzene	ND		10.0	1	01/28/2024 16:45	WG2212748
1,2,4-Trichlorobenzene	ND		10.0	1	01/28/2024 16:45	WG2212748
1,3,5-Trinitrobenzene	ND		50.0	1	01/31/2024 03:38	WG2212748
1,3-Dinitrobenzene	ND		10.0	1	01/31/2024 03:38	WG2212748
1,4-Naphthoquinone	ND	J4	50.0	1	01/31/2024 03:38	WG2212748
1-Naphthylamine	ND		10.0	1	01/31/2024 03:38	WG2212748
2,2-Oxybis(1-Chloropropane)	ND		10.0	1	01/28/2024 16:45	WG2212748
2,3,4,6-Tetrachlorophenol	ND		50.0	1	01/28/2024 16:45	WG2212748

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
2,4,5-Trichlorophenol	ND		10.0	1	01/28/2024 16:45	WG2212748
2,4,6-Trichlorophenol	ND		10.0	1	01/28/2024 16:45	WG2212748
2,4-Dichlorophenol	ND		10.0	1	01/28/2024 16:45	WG2212748
2,4-Dimethylphenol	ND		10.0	1	01/28/2024 16:45	WG2212748
2,4-Dinitrophenol	ND		50.0	1	01/28/2024 16:45	WG2212748
2,4-Dinitrotoluene	ND		10.0	1	01/28/2024 16:45	WG2212748
2,6-Dichlorophenol	ND	J4	10.0	1	01/31/2024 03:38	WG2212748
2,6-Dinitrotoluene	ND		10.0	1	01/28/2024 16:45	WG2212748
2-Acetylaminofluorene	ND		100	1	01/31/2024 03:38	WG2212748
2-Chloronaphthalene	ND		10.0	1	01/28/2024 16:45	WG2212748
2-Chlorophenol	ND		10.0	1	01/28/2024 16:45	WG2212748
2-Methylnaphthalene	ND		10.0	1	01/28/2024 16:45	WG2212748
2-Methylphenol	ND		10.0	1	01/28/2024 16:45	WG2212748
2-Naphthylamine	ND		10.0	1	01/31/2024 03:38	WG2212748
2-Nitroaniline	ND		50.0	1	01/28/2024 16:45	WG2212748
2-Nitrophenol	ND		10.0	1	01/28/2024 16:45	WG2212748
3&4-Methyl Phenol	ND		10.0	1	01/28/2024 16:45	WG2212748
3,3-Dichlorobenzidine	ND		50.0	1	01/28/2024 16:45	WG2212748
3,3-Dimethylbenzidine	ND		20.0	1	01/31/2024 03:38	WG2212748
3-Methylcholanthrene	ND		20.0	1	01/31/2024 03:38	WG2212748
3-Nitroaniline	ND		50.0	1	01/28/2024 16:45	WG2212748
4,6-Dinitro-2-methylphenol	ND		50.0	1	01/28/2024 16:45	WG2212748
4-Aminobiphenyl	ND		10.0	1	01/31/2024 03:38	WG2212748
4-Bromophenyl-phenylether	ND		50.0	1	01/28/2024 16:45	WG2212748
4-Chloro-3-methylphenol	ND		10.0	1	01/28/2024 16:45	WG2212748
4-Chloroaniline	ND		10.0	1	01/28/2024 16:45	WG2212748
4-Chlorophenyl-phenylether	ND		10.0	1	01/28/2024 16:45	WG2212748
4-Nitroaniline	ND		50.0	1	01/28/2024 16:45	WG2212748
4-Nitrophenol	ND		50.0	1	01/28/2024 16:45	WG2212748
5-Nitro-o-toluidine	ND		20.0	1	01/31/2024 03:38	WG2212748
Acenaphthene	ND		10.0	1	01/28/2024 16:45	WG2212748
Acenaphthylene	ND		10.0	1	01/28/2024 16:45	WG2212748
Acetophenone	ND		10.0	1	01/28/2024 16:45	WG2212748
Anthracene	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzo(A)Anthracene	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzo(a)pyrene	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzo(b)fluoranthene	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzo(g,h,i)perylene	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzo(k)fluoranthene	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzyl Alcohol	ND		10.0	1	01/28/2024 16:45	WG2212748
Benzylbutyl phthalate	ND		10.0	1	01/28/2024 16:45	WG2212748
Bis(2-Ethylhexyl)phthalate	ND		10.0	1	01/28/2024 16:45	WG2212748
Bis(2-chloroethoxy)methane	ND		10.0	1	01/28/2024 16:45	WG2212748
Bis(2-chloroethyl)ether	ND		10.0	1	01/28/2024 16:45	WG2212748
Chlorobenzilate	ND		10.0	1	01/31/2024 03:38	WG2212748
Chrysene	ND		10.0	1	01/28/2024 16:45	WG2212748
Di-n-butyl phthalate	ND		10.0	1	01/28/2024 16:45	WG2212748
Di-n-octyl phthalate	ND		10.0	1	01/28/2024 16:45	WG2212748
Diallate	ND		20.0	1	01/31/2024 03:38	WG2212748
Dibenz(a,h)anthracene	ND		20.0	1	01/28/2024 16:45	WG2212748
Dibenzofuran	ND		10.0	1	01/28/2024 16:45	WG2212748
Diethyl phthalate	ND		10.0	1	01/28/2024 16:45	WG2212748
Dimethoate	ND		20.0	1	01/31/2024 03:38	WG2212748
Dimethyl phthalate	ND		10.0	1	01/28/2024 16:45	WG2212748
Dimethylbenz (A) Anthracene	ND		20.0	1	01/31/2024 03:38	WG2212748
Dinoseb	ND		17.9	1	01/31/2024 03:38	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result	Qualifier	RL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Diphenylamine	ND		10.0	1	01/28/2024 16:45	WG2212748
Disulfoton	ND		50.0	1	01/31/2024 03:38	WG2212748
Ethyl methanesulfonate	ND	<u>J4</u>	10.0	1	01/31/2024 03:38	WG2212748
Ethyl parathion	ND		50.0	1	01/31/2024 03:38	WG2212748
Famphur	ND		200	1	01/31/2024 03:38	WG2212748
Fluoranthene	ND		1.00	1	01/28/2024 16:45	WG2212748
Fluorene	ND		10.0	1	01/28/2024 16:45	WG2212748
Hexachloro-1,3-butadiene	ND		10.0	1	01/28/2024 16:45	WG2212748
Hexachlorobenzene	ND		10.0	1	01/28/2024 16:45	WG2212748
Hexachlorocyclopentadiene	ND		50.0	1	01/28/2024 16:45	WG2212748
Hexachloroethane	ND		10.0	1	01/28/2024 16:45	WG2212748
Hexachloropropene	ND	<u>J4</u>	100	1	01/31/2024 03:38	WG2212748
Indeno(1,2,3-cd)pyrene	ND		10.0	1	01/28/2024 16:45	WG2212748
Isodrin	ND		10.0	1	01/31/2024 03:38	WG2212748
Isophorone	ND		10.0	1	01/28/2024 16:45	WG2212748
Isosafrole	ND	<u>J4</u>	20.0	1	01/31/2024 03:38	WG2212748
Kepone	ND		1.88	1	01/31/2024 03:38	WG2212748
Methapyrilene	ND		50.0	1	01/31/2024 03:38	WG2212748
Methyl methanesulfonate	ND	<u>J4</u>	50.0	1	01/31/2024 03:38	WG2212748
Methyl parathion	ND		10.0	1	01/31/2024 03:38	WG2212748
Naphthalene	ND		10.0	1	01/28/2024 16:45	WG2212748
Nitrobenzene	ND		10.0	1	01/28/2024 16:45	WG2212748
O,O,O-Triethyl Phosphorothioate	ND	<u>J4</u>	50.0	1	01/31/2024 03:38	WG2212748
P-(Dimethylamino) Azobenzene	ND		20.0	1	01/31/2024 03:38	WG2212748
Pentachlorobenzene	ND		10.0	1	01/31/2024 03:38	WG2212748
Pentachloronitrobenzene	ND		50.0	1	01/31/2024 03:38	WG2212748
Pentachlorophenol	ND		50.0	1	01/28/2024 16:45	WG2212748
Phenacetin	ND		10.0	1	01/31/2024 03:38	WG2212748
Phenanthrene	ND		20.0	1	01/28/2024 16:45	WG2212748
Phenol	ND		10.0	1	01/28/2024 16:45	WG2212748
Phorate	ND		50.0	1	01/31/2024 03:38	WG2212748
Pronamide	ND		20.0	1	01/31/2024 03:38	WG2212748
Pyrene	ND		10.0	1	01/28/2024 16:45	WG2212748
Safrole	ND	<u>J4</u>	50.0	1	01/31/2024 03:38	WG2212748
Thionazin	ND		10.0	1	01/31/2024 03:38	WG2212748
n-Nitrosodi-n-butylamine	ND		10.0	1	01/31/2024 03:38	WG2212748
n-Nitrosodi-n-propylamine	ND		10.0	1	01/28/2024 16:45	WG2212748
n-Nitrosodiethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 03:38	WG2212748
n-Nitrosodimethylamine	ND		10.0	1	01/28/2024 16:45	WG2212748
n-Nitrosodiphenylamine	ND		10.0	1	01/28/2024 16:45	WG2212748
n-Nitrosomethylethylamine	ND	<u>J4</u>	10.0	1	01/31/2024 03:38	WG2212748
n-Nitrosopiperidine	ND	<u>J4</u>	10.0	1	01/31/2024 03:38	WG2212748
n-Nitrosopyrrolidine	ND	<u>J4</u>	10.0	1	01/31/2024 03:38	WG2212748
o-Toluidine	ND	<u>J4</u>	10.0	1	01/31/2024 03:38	WG2212748
p-Phenylenediamine	ND	<u>J4</u>	387	1	01/31/2024 03:38	WG2212748
(S) 2-Fluorophenol	14.0			10.0-120	01/28/2024 16:45	WG2212748
(S) 2,4,6-Tribromophenol	67.0			10.0-155	01/28/2024 16:45	WG2212748
(S) p-Terphenyl-d14	81.3			10.0-128	01/28/2024 16:45	WG2212748
(S) Phenol-d5	14.0			10.0-120	01/28/2024 16:45	WG2212748
(S) 2-Fluorobiphenyl	57.9			10.0-130	01/28/2024 16:45	WG2212748
(S) Nitrobenzene-d5	26.6			10.0-127	01/28/2024 16:45	WG2212748

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Sample Narrative:

L1698420-12 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

L1698420-12 WG2212748: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data.

Method Blank (MB)

(MB) R4026699-1 01/24/24 23:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1698420-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-10 01/24/24 23:56 • (DUP) R4026699-3 01/24/24 23:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	436	440	1	0.913		10

4 Cn

5 Sr

6 Qc

L1698420-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-11 01/24/24 23:56 • (DUP) R4026699-4 01/24/24 23:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	263	265	1	0.758		10

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4026699-2 01/24/24 23:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8700	98.9	85.0-115	

Method Blank (MB)

(MB) R4026713-1 01/25/24 00:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Dissolved Solids	ND		2.82	10.0

1 Cp

2 Tc

3 Ss

L1698390-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-02 01/25/24 00:56 • (DUP) R4026713-3 01/25/24 00:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	395	404	1	2.25		10

4 Cn

5 Sr

6 Qc

L1698390-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-03 01/25/24 00:56 • (DUP) R4026713-4 01/25/24 00:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Dissolved Solids	307	314	1	2.25		10

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4026713-2 01/25/24 00:56

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Dissolved Solids	8800	8720	99.1	85.0-115	

Method Blank (MB)

(MB) R4026314-2 01/25/24 12:15

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Alkalinity	ND		2.71	20.0
Alkalinity,Bicarbonate	ND		2.71	20.0
Alkalinity,Carbonate	ND		2.71	20.0

Sample Narrative:

BLANK: Endpoint pH 4.5

L1698420-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-01 01/25/24 12:24 • (DUP) R4026314-3 01/25/24 12:30

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	180	183	1	1.59		20
Alkalinity,Bicarbonate	180	183	1	1.59		20
Alkalinity,Carbonate	ND	ND	1	0.000		20

Sample Narrative:

OS: Endpoint pH 4.5 Headspace

DUP: Endpoint pH 4.5

L1698420-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-09 01/25/24 14:43 • (DUP) R4026314-4 01/25/24 14:47

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Alkalinity	55.1	55.5	1	0.793		20
Alkalinity,Bicarbonate	55.1	55.5	1	0.793		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) R4026314-1 01/25/24 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Alkalinity	100	102	102	90.0-110	

Sample Narrative:

LCS: Endpoint pH 4.5

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026308-1 01/25/24 13:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Ammonia Nitrogen	ND		0.0317	0.100

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4026308-2 01/25/24 13:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Ammonia Nitrogen	7.50	7.30	97.3	90.0-110	

4 Cn

5 Sr

6 Qc

L1698420-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-01 01/25/24 13:22 • (MS) R4026308-3 01/25/24 13:23 • (MSD) R4026308-4 01/25/24 13:25

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Ammonia Nitrogen	5.00	0.327	4.93	4.97	92.0	92.9	1	90.0-110			0.929	10

7 Gl

8 Al

9 Sc

L1698420-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698420-04 01/25/24 13:35 • (MS) R4026308-5 01/25/24 13:37

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Ammonia Nitrogen	5.00	0.144	5.19	101	1	90.0-110	

Method Blank (MB)

(MB) R4026590-1 01/26/24 11:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	0.0490		0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698634-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1698634-05 01/26/24 11:46 • (DUP) R4026590-5 01/26/24 11:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Ammonia Nitrogen	3.46	3.47	1	0.289		10

L1698731-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698731-01 01/26/24 11:55 • (DUP) R4026590-6 01/26/24 11:57

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) R4026590-2 01/26/24 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	6.91	92.2	90.0-110	

L1698420-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-02 01/26/24 11:29 • (MS) R4026590-3 01/26/24 11:31 • (MSD) R4026590-4 01/26/24 11:32

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	0.133	4.97	4.86	96.7	94.5	1	90.0-110			2.18	10

L1698817-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698817-02 01/26/24 12:13 • (MS) R4026590-8 01/26/24 12:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.506	7.36	137	1	90.0-110	<u>J5</u>

Method Blank (MB)

(MB) R4026134-1 01/25/24 01:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	0.0250		0.0197	0.100

L1698390-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-01 01/25/24 01:18 • (DUP) R4026134-3 01/25/24 01:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L1698420-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-06 01/25/24 02:19 • (DUP) R4026134-6 01/25/24 02:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	1.63	1.66	1	1.28		20

Laboratory Control Sample (LCS)

(LCS) R4026134-2 01/25/24 01:13

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.54	102	90.0-110	

L1698390-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-01 01/25/24 01:18 • (MS) R4026134-4 01/25/24 01:22 • (MSD) R4026134-5 01/25/24 01:24

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	ND	2.49	2.51	99.6	100	1	90.0-110			0.800	20

L1698420-06 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698420-06 01/25/24 02:19 • (MS) R4026134-7 01/25/24 02:22

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	1.63	4.15	100	1	90.0-110	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026135-1 01/25/24 02:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	0.0230		0.0197	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698420-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-12 01/25/24 02:54 • (DUP) R4026135-3 01/25/24 02:56

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.472	0.465	1	1.49		20

L1698467-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1698467-08 01/25/24 03:27 • (DUP) R4026135-6 01/25/24 03:29

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	2.39	2.41	1	1.04		20

Laboratory Control Sample (LCS)

(LCS) R4026135-2 01/25/24 02:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Nitrate-Nitrite	2.50	2.58	103	90.0-110	

L1698420-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-12 01/25/24 02:54 • (MS) R4026135-4 01/25/24 02:58 • (MSD) R4026135-5 01/25/24 03:00

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	2.50	0.472	2.99	3.00	101	101	1	90.0-110			0.434	20

L1698467-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698467-08 01/25/24 03:27 • (MS) R4026135-7 01/25/24 03:32

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	2.50	2.39	4.93	102	1	90.0-110	

Method Blank (MB)

(MB) R4025948-1 01/24/24 20:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Sulfide	ND		0.00650	0.0500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698386-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698386-01 01/24/24 20:28 • (DUP) R4025948-3 01/24/24 20:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

L1698420-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-10 01/24/24 20:33 • (DUP) R4025948-6 01/24/24 20:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Sulfide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4025948-2 01/24/24 20:28

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Sulfide	0.500	0.548	110	85.0-115	

L1698420-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-02 01/24/24 20:31 • (MS) R4025948-4 01/24/24 20:31 • (MSD) R4025948-5 01/24/24 20:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Sulfide	0.500	ND	ND	ND	97.4	99.0	1	80.0-120			1.59	20

Method Blank (MB)

(MB) R4026245-1 01/25/24 13:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698379-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698379-02 01/25/24 13:24 • (DUP) R4026245-3 01/25/24 13:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

L1698390-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-03 01/25/24 13:36 • (DUP) R4026245-4 01/25/24 13:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R4026245-2 01/25/24 13:14

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0916	91.6	87.1-120	

L1698420-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-03 01/25/24 13:47 • (MS) R4026245-5 01/25/24 13:49 • (MSD) R4026245-6 01/25/24 13:50

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0889	0.0869	88.9	86.9	1	90.0-110	J6	J6	2.28	20

Sample Narrative:

MS: Spike failure due to matrix interference

MSD: Spike failure due to matrix interference

Method Blank (MB)

(MB) R4026586-1 01/26/24 10:50

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Cyanide	ND		0.00180	0.00500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698714-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698714-02 01/26/24 11:13 • (DUP) R4026586-4 01/26/24 11:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	0.0390	0.0230	1	51.6	J3	20

L1698775-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698775-01 01/26/24 11:15 • (DUP) R4026586-5 01/26/24 11:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Cyanide	ND	ND	1	7.78		20

Laboratory Control Sample (LCS)

(LCS) R4026586-2 01/26/24 10:51

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Cyanide	0.100	0.0955	95.5	87.1-120	

L1698797-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698797-03 01/26/24 11:20 • (MS) R4026586-6 01/26/24 11:24 • (MSD) R4026586-7 01/26/24 11:26

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Cyanide	0.100	ND	0.0942	0.0987	94.2	98.7	1	90.0-110			4.67	20

Method Blank (MB)

(MB) R4027683-2 01/24/24 21:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Chloride	0.283		0.0519	1.00
Sulfate	0.685	J	0.0774	5.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698390-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1698390-02 01/24/24 22:19 • (DUP) R4027683-4 01/24/24 22:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	22.8	23.7	1	3.65		15
Sulfate	ND	ND	1	1.06		15

L1698420-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-03 01/25/24 01:39 • (DUP) R4027683-7 01/25/24 01:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Chloride	18.2	18.6	1	2.16		15
Sulfate	8.47	8.42	1	0.664		15

Laboratory Control Sample (LCS)

(LCS) R4027683-3 01/24/24 22:07

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Chloride	40.0	40.5	101	80.0-120	
Sulfate	40.0	40.9	102	80.0-120	

L1698390-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-02 01/24/24 22:19 • (MS) R4027683-5 01/24/24 22:44 • (MSD) R4027683-6 01/24/24 22:57

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Chloride	40.0	22.8	59.9	61.0	92.7	95.4	1	80.0-120			1.84	15
Sulfate	40.0	ND	45.4	46.2	101	104	1	80.0-120			1.80	15

L1698420-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1698420-03 01/25/24 01:39 • (MS) R4027683-8 01/25/24 02:06

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	18.2	55.2	92.5	1	80.0-120	
Sulfate	40.0	8.47	48.1	99.0	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026049-2 01/24/24 17:43

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	ND		0.102	1.00

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1698343-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698343-01 01/24/24 19:25 • (DUP) R4026049-3 01/24/24 19:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	18.9		20

L1698352-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1698352-01 01/24/24 22:22 • (DUP) R4026049-6 01/24/24 22:37

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	2.59	2.59	1	0.0772		20

Laboratory Control Sample (LCS)

(LCS) R4026049-1 01/24/24 17:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	23.5	94.0	85.0-115	

L1698343-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698343-07 01/24/24 20:47 • (MS) R4026049-4 01/24/24 21:08 • (MSD) R4026049-5 01/24/24 21:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	15.3	39.0	38.7	94.6	93.7	1	85.0-115			0.618	20

L1698390-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-05 01/24/24 23:49 • (MS) R4026049-7 01/25/24 00:15 • (MSD) R4026049-8 01/25/24 00:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	1.46	25.4	25.0	95.7	94.1	1	85.0-115			1.59	20

Method Blank (MB)

(MB) R4026041-2 01/24/24 20:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TOC	0.199	↓	0.102	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698420-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-05 01/24/24 21:40 • (DUP) R4026041-3 01/24/24 21:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	ND	ND	1	1.18		20

L1698420-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1698420-11 01/25/24 01:02 • (DUP) R4026041-6 01/25/24 01:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
TOC	1.21	1.21	1	0.495		20

Laboratory Control Sample (LCS)

(LCS) R4026041-1 01/24/24 20:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TOC	25.0	24.4	97.7	85.0-115	

L1698420-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-06 01/24/24 22:15 • (MS) R4026041-4 01/24/24 22:37 • (MSD) R4026041-5 01/24/24 22:58

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	1.27	25.7	25.9	97.9	98.6	1	85.0-115			0.697	20

L1698420-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-12 01/25/24 01:37 • (MS) R4026041-7 01/25/24 01:58 • (MSD) R4026041-8 01/25/24 02:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TOC	25.0	ND	24.6	24.6	98.3	98.4	1	85.0-115			0.122	20

Method Blank (MB)

(MB) R4026601-1 01/26/24 10:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Mercury, Total Recoverable	ND		0.0000490	0.000200

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4026601-2 01/26/24 10:44

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Mercury, Total Recoverable	0.00300	0.00294	97.9	80.0-120	

4 Cn

5 Sr

L1698420-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-01 01/26/24 10:47 • (MS) R4026601-3 01/26/24 10:49 • (MSD) R4026601-4 01/26/24 10:52

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Mercury, Total Recoverable	0.00300	ND	0.00296	0.00294	98.8	97.9	1	75.0-125			0.881	20

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026606-1 01/26/24 08:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	ND		0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.119		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4026606-2 01/26/24 08:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.190	94.8	80.0-120	
Barium, Total Recoverable	1.00	1.02	102	80.0-120	
Calcium, Total Recoverable	10.0	9.74	97.4	80.0-120	
Iron, Total Recoverable	10.0	9.39	93.9	80.0-120	
Potassium, Total Recoverable	10.0	9.26	92.6	80.0-120	
Magnesium, Total Recoverable	10.0	9.23	92.3	80.0-120	
Manganese, Total Recoverable	1.00	1.00	100	80.0-120	
Sodium, Total Recoverable	10.0	9.92	99.2	80.0-120	
Lead, Total Recoverable	1.00	0.957	95.7	80.0-120	
Selenium, Total Recoverable	1.00	0.918	91.8	80.0-120	
Tin, Total Recoverable	1.00	1.03	103	80.0-120	

L1698390-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-07 01/26/24 08:54 • (MS) R4026606-4 01/26/24 09:00 • (MSD) R4026606-5 01/26/24 09:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.194	0.196	96.8	97.9	1	75.0-125			1.14	20
Barium, Total Recoverable	1.00	0.0569	1.07	1.06	101	100	1	75.0-125			0.393	20
Calcium, Total Recoverable	10.0	85.4	94.1	94.1	86.3	87.1	1	75.0-125			0.0819	20
Iron, Total Recoverable	10.0	8.46	17.6	17.6	91.9	91.5	1	75.0-125			0.259	20
Potassium, Total Recoverable	10.0	ND	10.5	10.6	92.9	93.2	1	75.0-125			0.297	20

L1698390-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698390-07 01/26/24 08:54 • (MS) R4026606-4 01/26/24 09:00 • (MSD) R4026606-5 01/26/24 09:02

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 %
Magnesium, Total Recoverable	10.0	1.62	10.8	10.7	91.8	91.0	1	75.0-125			0.728	20
Manganese, Total Recoverable	1.00	1.32	2.29	2.29	96.2	96.6	1	75.0-125			0.177	20
Sodium, Total Recoverable	10.0	ND	13.0	13.1	97.3	97.6	1	75.0-125			0.258	20
Lead, Total Recoverable	1.00	ND	0.959	0.951	95.9	95.1	1	75.0-125			0.845	20
Selenium, Total Recoverable	1.00	ND	0.941	0.942	94.1	94.2	1	75.0-125			0.113	20
Tin, Total Recoverable	1.00		1.02	1.01	102	101	1	75.0-125			0.948	20

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

Method Blank (MB)

(MB) R4027286-1 01/29/24 07:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Silver, Total Recoverable	ND		0.00280	0.00500
Barium, Total Recoverable	ND		0.00170	0.00500
Calcium, Total Recoverable	ND		0.0463	1.00
Iron, Total Recoverable	ND		0.0141	0.100
Potassium, Total Recoverable	ND		0.102	1.00
Magnesium, Total Recoverable	ND		0.0111	1.00
Manganese, Total Recoverable	ND		0.00120	0.0100
Sodium, Total Recoverable	0.0563		0.0111	1.00
Lead, Total Recoverable	ND		0.00190	0.00500
Selenium, Total Recoverable	ND		0.00740	0.0100
Tin, Total Recoverable	ND		0.00440	0.0500

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4027286-2 01/29/24 07:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	0.200	0.191	95.4	80.0-120	
Barium, Total Recoverable	1.00	1.02	102	80.0-120	
Calcium, Total Recoverable	10.0	10.1	101	80.0-120	
Iron, Total Recoverable	10.0	9.89	98.9	80.0-120	
Potassium, Total Recoverable	10.0	9.64	96.4	80.0-120	
Magnesium, Total Recoverable	10.0	10.1	101	80.0-120	
Manganese, Total Recoverable	1.00	1.03	103	80.0-120	
Sodium, Total Recoverable	10.0	9.92	99.2	80.0-120	
Lead, Total Recoverable	1.00	0.949	94.9	80.0-120	
Selenium, Total Recoverable	1.00	0.944	94.4	80.0-120	
Tin, Total Recoverable	1.00	0.933	93.3	80.0-120	

L1698570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698570-03 01/29/24 07:52 • (MS) R4027286-4 01/29/24 07:55 • (MSD) R4027286-5 01/29/24 07:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	0.200	ND	0.204	0.203	99.4	98.8	1	75.0-125			0.612	20
Barium, Total Recoverable	1.00	0.0144	1.05	1.04	104	103	1	75.0-125			0.799	20
Calcium, Total Recoverable	10.0	133	141	141	84.4	83.2	1	75.0-125			0.0826	20
Iron, Total Recoverable	10.0	ND	10.0	9.98	99.7	99.3	1	75.0-125			0.395	20
Potassium, Total Recoverable	10.0	ND	12.7	12.7	98.8	98.7	1	75.0-125			0.110	20

L1698570-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698570-03 01/29/24 07:52 • (MS) R4027286-4 01/29/24 07:55 • (MSD) R4027286-5 01/29/24 07:56

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Magnesium, Total Recoverable	10.0	64.8	74.2	74.4	93.4	95.6	1	75.0-125			0.293	20
Manganese, Total Recoverable	1.00	ND	1.05	1.04	104	104	1	75.0-125			0.744	20
Sodium, Total Recoverable	10.0	55.8	64.9	64.8	90.5	89.5	1	75.0-125			0.157	20
Lead, Total Recoverable	1.00	ND	0.992	0.979	99.2	97.9	1	75.0-125			1.33	20
Selenium, Total Recoverable	1.00	ND	1.03	1.04	103	104	1	75.0-125			1.15	20
Tin, Total Recoverable	1.00	ND	0.994	0.990	99.4	99.0	1	75.0-125			0.495	20

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

Method Blank (MB)

(MB) R4028482-1 01/31/24 20:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Total Recoverable	ND		0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Cobalt, Total Recoverable	ND		0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.00115		0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4028482-2 01/31/24 20:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0530	106	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0536	107	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0554	111	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0538	108	80.0-120	
Chromium, Total Recoverable	0.0500	0.0539	108	80.0-120	
Copper, Total Recoverable	0.0500	0.0534	107	80.0-120	
Nickel, Total Recoverable	0.0500	0.0551	110	80.0-120	
Antimony, Total Recoverable	0.0500	0.0596	119	80.0-120	
Thallium, Total Recoverable	0.0500	0.0531	106	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0539	108	80.0-120	
Zinc, Total Recoverable	0.0500	0.0533	107	80.0-120	

L1698379-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698379-02 01/31/24 20:51 • (MS) R4028482-4 01/31/24 20:57 • (MSD) R4028482-5 01/31/24 21:01

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 %
Arsenic, Total Recoverable	0.0500	ND	0.0538	0.0524	108	105	1	75.0-125			2.49	20
Beryllium, Total Recoverable	0.0500	ND	0.0506	0.0494	101	98.8	1	75.0-125			2.35	20
Cadmium, Total Recoverable	0.0500	ND	0.0534	0.0529	107	106	1	75.0-125			0.910	20
Cobalt, Total Recoverable	0.0500	ND	0.0564	0.0541	113	108	1	75.0-125			4.12	20
Chromium, Total Recoverable	0.0500	ND	0.0558	0.0532	112	106	1	75.0-125			4.80	20

L1698379-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698379-02 01/31/24 20:51 • (MS) R4028482-4 01/31/24 20:57 • (MSD) R4028482-5 01/31/24 21:01

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 %
Copper, Total Recoverable	0.0500	ND	0.0537	0.0532	104	103	1	75.0-125			1.01	20
Nickel, Total Recoverable	0.0500	ND	0.0572	0.0542	114	108	1	75.0-125			5.39	20
Antimony, Total Recoverable	0.0500	ND	0.0573	0.0568	115	114	1	75.0-125			0.830	20
Thallium, Total Recoverable	0.0500	ND	0.0507	0.0507	101	101	1	75.0-125			0.0109	20
Vanadium, Total Recoverable	0.0500	ND	0.0544	0.0525	109	105	1	75.0-125			3.56	20
Zinc, Total Recoverable	0.0500	ND	0.0541	0.0526	108	105	1	75.0-125			2.84	20

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

Method Blank (MB)

(MB) R4026405-1 01/25/24 20:03

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	0.00222		0.000540	0.00200
Copper, Total Recoverable	0.000912		0.000520	0.00500
Nickel, Total Recoverable	0.00107	U	0.000350	0.00200
Antimony, Total Recoverable	0.000940		0.000754	0.00200
Thallium, Total Recoverable	0.000205	U	0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4026405-2 01/25/24 20:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	0.0500	0.0510	102	80.0-120	
Beryllium, Total Recoverable	0.0500	0.0497	99.4	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0509	102	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0527	105	80.0-120	
Chromium, Total Recoverable	0.0500	0.0526	105	80.0-120	
Copper, Total Recoverable	0.0500	0.0508	102	80.0-120	
Nickel, Total Recoverable	0.0500	0.0520	104	80.0-120	
Antimony, Total Recoverable	0.0500	0.0547	109	80.0-120	
Thallium, Total Recoverable	0.0500	0.0483	96.6	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0509	102	80.0-120	
Zinc, Total Recoverable	0.0500	0.0523	105	80.0-120	

L1698420-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-07 01/25/24 20:09 • (MS) R4026405-4 01/25/24 20:16 • (MSD) R4026405-5 01/25/24 20:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	0.0500	ND	0.0485	0.0504	96.4	100	1	75.0-125			3.74	20
Beryllium, Total Recoverable	0.0500	ND	0.0488	0.0470	97.0	93.4	1	75.0-125			3.73	20
Cadmium, Total Recoverable	0.0500	0.00113	0.0517	0.0520	101	102	1	75.0-125			0.530	20
Cobalt, Total Recoverable	0.0500	ND	0.0491	0.0511	97.5	102	1	75.0-125			4.11	20
Chromium, Total Recoverable	0.0500	ND	0.0497	0.0523	96.0	101	1	75.0-125			5.15	20

L1698420-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-07 01/25/24 20:09 • (MS) R4026405-4 01/25/24 20:16 • (MSD) R4026405-5 01/25/24 20:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Copper, Total Recoverable	0.0500	0.00497	0.0509	0.0509	91.9	91.8	1	75.0-125			0.0521	20
Nickel, Total Recoverable	0.0500	ND	0.0515	0.0539	96.8	102	1	75.0-125			4.59	20
Antimony, Total Recoverable	0.0500	ND	0.0531	0.0529	106	106	1	75.0-125			0.342	20
Thallium, Total Recoverable	0.0500	ND	0.0472	0.0487	94.4	97.3	1	75.0-125			3.10	20
Vanadium, Total Recoverable	0.0500	ND	0.0491	0.0521	95.9	102	1	75.0-125			5.88	20
Zinc, Total Recoverable	0.0500	0.0231	0.0771	0.0761	108	106	1	75.0-125			1.24	20

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4027972-1 01/30/24 18:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic, Total Recoverable	ND		0.000250	0.00200
Beryllium, Total Recoverable	ND		0.000120	0.00200
Cadmium, Total Recoverable	ND		0.000160	0.00100
Cobalt, Total Recoverable	ND		0.000260	0.00200
Chromium, Total Recoverable	ND		0.000540	0.00200
Copper, Total Recoverable	ND		0.000520	0.00500
Nickel, Total Recoverable	ND		0.000350	0.00200
Antimony, Total Recoverable	0.00139	J	0.000754	0.00200
Thallium, Total Recoverable	ND		0.000190	0.00200
Vanadium, Total Recoverable	ND		0.000180	0.00500
Zinc, Total Recoverable	ND		0.00256	0.0250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4027972-2 01/30/24 18:36

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	0.0522	104	80.0-120	
Cadmium, Total Recoverable	0.0500	0.0536	107	80.0-120	
Cobalt, Total Recoverable	0.0500	0.0521	104	80.0-120	
Chromium, Total Recoverable	0.0500	0.0505	101	80.0-120	
Copper, Total Recoverable	0.0500	0.0508	102	80.0-120	
Nickel, Total Recoverable	0.0500	0.0523	105	80.0-120	
Antimony, Total Recoverable	0.0500	0.0565	113	80.0-120	
Thallium, Total Recoverable	0.0500	0.0538	108	80.0-120	
Vanadium, Total Recoverable	0.0500	0.0503	101	80.0-120	
Zinc, Total Recoverable	0.0500	0.0499	99.8	80.0-120	

L1698420-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-10 01/30/24 18:39 • (MS) R4027972-4 01/30/24 18:46 • (MSD) R4027972-5 01/30/24 18:49

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 %
Arsenic, Total Recoverable	0.0500	ND	0.0498	0.0497	98.9	98.8	1	75.0-125			0.107	20
Beryllium, Total Recoverable	0.0500	ND	0.0500	0.0507	100	101	1	75.0-125			1.36	20
Cadmium, Total Recoverable	0.0500	ND	0.0524	0.0544	105	109	1	75.0-125			3.79	20
Cobalt, Total Recoverable	0.0500	ND	0.0508	0.0519	102	104	1	75.0-125			2.19	20
Chromium, Total Recoverable	0.0500	ND	0.0505	0.0512	101	102	1	75.0-125			1.36	20

L1698420-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698420-10 01/30/24 18:39 • (MS) R4027972-4 01/30/24 18:46 • (MSD) R4027972-5 01/30/24 18:49

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 %
Copper, Total Recoverable	0.0500	ND	0.0511	0.0513	102	103	1	75.0-125			0.523	20
Nickel, Total Recoverable	0.0500	ND	0.0543	0.0550	102	103	1	75.0-125			1.27	20
Antimony, Total Recoverable	0.0500	ND	0.0569	0.0579	114	116	1	75.0-125			1.77	20
Thallium, Total Recoverable	0.0500	ND	0.0505	0.0505	101	101	1	75.0-125			0.0329	20
Vanadium, Total Recoverable	0.0500	ND	0.0508	0.0506	102	101	1	75.0-125			0.396	20
Zinc, Total Recoverable	0.0500	0.0190	0.0682	0.0700	98.4	102	1	75.0-125			2.56	20

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4029198-1 02/02/24 11:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Antimony, Total Recoverable	ND		0.000754	0.00200

1 Cp

2 Tc

3 Ss

Laboratory Control Sample (LCS)

(LCS) R4029198-2 02/02/24 11:52

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Antimony, Total Recoverable	0.0500	0.0506	101	80.0-120	

4 Cn

5 Sr

6 Qc

L1697047-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1697047-06 02/02/24 11:56 • (MS) R4029198-4 02/02/24 12:02 • (MSD) R4029198-5 02/02/24 12:05

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Antimony, Total Recoverable	0.0500	ND	0.0529	0.0532	106	106	1	75.0-125			0.602	20

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026291-4 01/25/24 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	0.129	U	0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4026291-4 01/25/24 10:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Isobutanol	ND		39.0	100
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	96.2			80.0-120
(S) 1,2-Dichloroethane-d4	90.1			70.0-130
(S) 4-Bromofluorobenzene	97.8			77.0-126

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026291-1 01/25/24 09:08 • (LCSD) R4026291-2 01/25/24 09:29

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	4.92	4.79	98.4	95.8	75.0-125			2.68	20
1,1,1-Trichloroethane	5.00	4.95	5.05	99.0	101	73.0-124			2.00	20
1,1,2,2-Tetrachloroethane	5.00	4.67	4.81	93.4	96.2	65.0-130			2.95	20
1,1,2-Trichloroethane	5.00	4.64	4.71	92.8	94.2	80.0-120			1.50	20
1,1-Dichloroethane	5.00	4.97	5.23	99.4	105	70.0-126			5.10	20
1,1-Dichloroethene	5.00	5.07	5.02	101	100	71.0-124			0.991	20
1,1-Dichloropropene	5.00	5.08	5.20	102	104	74.0-126			2.33	20
1,2,3-Trichloropropane	5.00	4.28	4.72	85.6	94.4	73.0-130			9.78	20
1,2-Dibromo-3-Chloropropane	5.00	4.44	4.55	88.8	91.0	58.0-134			2.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026291-1 01/25/24 09:08 • (LCSD) R4026291-2 01/25/24 09:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,2-Dibromoethane	5.00	4.62	4.62	92.4	92.4	80.0-122			0.000	20
1,2-Dichlorobenzene	5.00	4.89	4.92	97.8	98.4	79.0-121			0.612	20
1,2-Dichloroethane	5.00	4.47	4.82	89.4	96.4	70.0-128			7.53	20
1,2-Dichloropropane	5.00	4.98	5.16	99.6	103	77.0-125			3.55	20
1,3-Dichlorobenzene	5.00	4.97	4.88	99.4	97.6	79.0-120			1.83	20
1,3-Dichloropropane	5.00	4.76	4.80	95.2	96.0	80.0-120			0.837	20
1,4-Dichlorobenzene	5.00	4.94	4.92	98.8	98.4	79.0-120			0.406	20
2,2-Dichloropropane	5.00	5.06	5.18	101	104	58.0-130			2.34	20
2-Butanone (MEK)	25.0	24.5	25.7	98.0	103	44.0-160			4.78	20
2-Hexanone	25.0	23.7	23.4	94.8	93.6	67.0-149			1.27	20
4-Methyl-2-pentanone (MIBK)	25.0	23.7	23.4	94.8	93.6	68.0-142			1.27	20
Acetone	25.0	24.0	24.0	96.0	96.0	19.0-160			0.000	27
Acrolein	25.0	28.8	30.2	115	121	10.0-160			4.75	26
Acrylonitrile	25.0	25.9	27.0	104	108	55.0-149			4.16	20
Allyl chloride	25.0	27.3	27.4	109	110	72.0-128			0.366	23
Benzene	5.00	5.02	5.19	100	104	70.0-123			3.33	20
Bromochloromethane	5.00	5.41	5.69	108	114	76.0-122			5.05	20
Bromodichloromethane	5.00	4.76	5.05	95.2	101	75.0-120			5.91	20
Bromoform	5.00	4.47	4.48	89.4	89.6	68.0-132			0.223	20
Bromomethane	5.00	4.47	4.66	89.4	93.2	10.0-160			4.16	25
Carbon disulfide	5.00	5.29	5.10	106	102	61.0-128			3.66	20
Carbon tetrachloride	5.00	4.80	5.00	96.0	100	68.0-126			4.08	20
Chlorobenzene	5.00	4.95	4.79	99.0	95.8	80.0-121			3.29	20
Chloroethane	5.00	5.78	6.15	116	123	47.0-150			6.20	20
Chloroform	5.00	4.85	5.21	97.0	104	73.0-120			7.16	20
Chloromethane	5.00	5.50	5.35	110	107	41.0-142			2.76	20
Dibromochloromethane	5.00	4.63	4.54	92.6	90.8	77.0-125			1.96	20
Dibromomethane	5.00	4.73	5.04	94.6	101	80.0-120			6.35	20
Dichlorodifluoromethane	5.00	5.01	4.26	100	85.2	51.0-149			16.2	20
Ethylbenzene	5.00	4.83	4.89	96.6	97.8	79.0-123			1.23	20
Iodomethane	25.0	19.9	23.3	79.6	93.2	33.0-147			15.7	26
Methylene Chloride	5.00	5.08	5.21	102	104	67.0-120			2.53	20
Styrene	5.00	4.77	4.68	95.4	93.6	73.0-130			1.90	20
Tetrachloroethene	5.00	5.15	4.88	103	97.6	72.0-132			5.38	20
Toluene	5.00	4.78	4.67	95.6	93.4	79.0-120			2.33	20
Trichloroethene	5.00	5.10	5.29	102	106	78.0-124			3.66	20
Trichlorofluoromethane	5.00	4.59	4.89	91.8	97.8	59.0-147			6.33	20
Vinyl acetate	25.0	30.4	27.7	122	111	11.0-160			9.29	20
Vinyl chloride	5.00	5.56	5.24	111	105	67.0-131			5.93	20
Xylenes, Total	15.0	14.8	14.5	98.7	96.7	79.0-123			2.05	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026291-1 01/25/24 09:08 • (LCSD) R4026291-2 01/25/24 09:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	5.00	5.16	5.17	103	103	73.0-120			0.194	20
cis-1,3-Dichloropropene	5.00	5.00	5.10	100	102	80.0-123			1.98	20
trans-1,2-Dichloroethene	5.00	5.18	5.22	104	104	73.0-120			0.769	20
trans-1,3-Dichloropropene	5.00	4.57	4.69	91.4	93.8	78.0-124			2.59	20
trans-1,4-Dichloro-2-butene	5.00	4.12	3.62	82.4	72.4	33.0-144			12.9	20
(S) Toluene-d8				94.8	91.9	80.0-120				
(S) 1,2-Dichloroethane-d4				88.2	90.9	70.0-130				
(S) 4-Bromofluorobenzene				98.8	94.6	77.0-126				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4027080-4 01/26/24 13:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	ND		0.120	0.500
1,1,1-Trichloroethane	ND		0.0940	0.500
1,1,2,2-Tetrachloroethane	ND		0.130	0.500
1,1,2-Trichloroethane	ND		0.186	0.500
1,1-Dichloroethane	ND		0.114	0.500
1,1-Dichloroethene	ND		0.188	0.500
1,1-Dichloropropene	ND		0.128	0.500
1,2,3-Trichloropropane	ND		0.247	2.50
1,2-Dibromo-3-Chloropropane	ND		0.325	2.50
1,2-Dibromoethane	ND		0.193	0.500
1,2-Dichlorobenzene	ND		0.101	0.500
1,2-Dichloroethane	ND		0.108	0.500
1,2-Dichloropropane	ND		0.190	0.500
1,3-Dichlorobenzene	ND		0.130	0.500
1,3-Dichloropropane	ND		0.147	1.00
1,4-Dichlorobenzene	ND		0.121	0.500
2,2-Dichloropropane	ND		0.0929	0.500
2-Butanone (MEK)	ND		1.28	5.00
2-Hexanone	ND		0.757	5.00
4-Methyl-2-pentanone (MIBK)	ND		0.823	5.00
Acetone	ND		1.05	25.0
Acetonitrile	ND		15.0	50.0
Acrolein	ND		8.87	50.0
Acrylonitrile	ND		0.873	5.00
Allyl chloride	ND		1.70	5.00
Benzene	ND		0.0896	0.500
Bromochloromethane	ND		0.145	0.500
Bromodichloromethane	ND		0.0800	0.500
Bromoform	ND		0.186	0.500
Bromomethane	ND		0.157	2.50
Carbon disulfide	ND		0.101	0.500
Carbon tetrachloride	ND		0.159	0.500
Chlorobenzene	ND		0.140	0.500
Chloroethane	ND		0.141	2.50
Chloroform	ND		0.0860	0.500
Chloromethane	ND		0.153	1.25
Chloroprene	ND		1.70	50.0
Dibromochloromethane	ND		0.128	0.500
Dibromomethane	ND		0.117	0.500
Dichlorodifluoromethane	ND		0.127	2.50

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R4027080-4 01/26/24 13:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethyl methacrylate	ND		1.40	5.00
Ethylbenzene	ND		0.158	0.500
Iodomethane	ND		0.377	10.0
Methacrylonitrile	ND		13.0	50.0
Methyl methacrylate	ND		1.20	5.00
Methylene Chloride	ND		1.07	2.50
Propionitrile	ND		13.0	50.0
Styrene	ND		0.117	0.500
Tetrachloroethene	ND		0.199	0.500
Toluene	ND		0.412	0.500
Trichloroethene	ND		0.153	0.500
Trichlorofluoromethane	ND		0.130	2.50
Vinyl acetate	ND		0.645	5.00
Vinyl chloride	ND		0.118	0.500
Xylenes, Total	ND		0.316	1.50
cis-1,2-Dichloroethene	ND		0.0933	0.500
cis-1,3-Dichloropropene	ND		0.0976	0.500
trans-1,2-Dichloroethene	ND		0.152	0.500
trans-1,3-Dichloropropene	ND		0.222	0.500
trans-1,4-Dichloro-2-butene	ND		0.257	5.00
(S) Toluene-d8	101			80.0-120
(S) 1,2-Dichloroethane-d4	103			70.0-130
(S) 4-Bromofluorobenzene	87.9			77.0-126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027080-1 01/26/24 10:56 • (LCSD) R4027080-2 01/26/24 11:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	5.40	5.26	108	105	75.0-125			2.63	20
1,1,1-Trichloroethane	5.00	5.08	5.29	102	106	73.0-124			4.05	20
1,1,2,2-Tetrachloroethane	5.00	4.72	4.82	94.4	96.4	65.0-130			2.10	20
1,1,2-Trichloroethane	5.00	4.77	4.81	95.4	96.2	80.0-120			0.835	20
1,1-Dichloroethane	5.00	5.00	5.07	100	101	70.0-126			1.39	20
1,1-Dichloroethene	5.00	4.49	4.94	89.8	98.8	71.0-124			9.54	20
1,1-Dichloropropene	5.00	4.90	4.85	98.0	97.0	74.0-126			1.03	20
1,2,3-Trichloropropane	5.00	4.82	5.13	96.4	103	73.0-130			6.23	20
1,2-Dibromo-3-Chloropropane	5.00	4.20	4.10	84.0	82.0	58.0-134			2.41	20
1,2-Dibromoethane	5.00	4.53	4.71	90.6	94.2	80.0-122			3.90	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027080-1 01/26/24 10:56 • (LCSD) R4027080-2 01/26/24 11:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
1,2-Dichlorobenzene	5.00	5.03	5.13	101	103	79.0-121			1.97	20
1,2-Dichloroethane	5.00	5.29	5.61	106	112	70.0-128			5.87	20
1,2-Dichloropropane	5.00	4.80	5.02	96.0	100	77.0-125			4.48	20
1,3-Dichlorobenzene	5.00	5.03	5.11	101	102	79.0-120			1.58	20
1,3-Dichloropropane	5.00	4.86	4.89	97.2	97.8	80.0-120			0.615	20
1,4-Dichlorobenzene	5.00	5.08	4.99	102	99.8	79.0-120			1.79	20
2,2-Dichloropropane	5.00	6.20	6.43	124	129	58.0-130			3.64	20
2-Butanone (MEK)	25.0	25.9	27.0	104	108	44.0-160			4.16	20
2-Hexanone	25.0	22.6	22.9	90.4	91.6	67.0-149			1.32	20
4-Methyl-2-pentanone (MIBK)	25.0	26.1	27.1	104	108	68.0-142			3.76	20
Acetone	25.0	23.2	28.5	92.8	114	19.0-160			20.5	27
Acrolein	25.0	30.4	28.8	122	115	10.0-160			5.41	26
Acrylonitrile	25.0	27.0	27.2	108	109	55.0-149			0.738	20
Allyl chloride	25.0	25.0	25.4	100	102	72.0-128			1.59	23
Benzene	5.00	4.92	4.81	98.4	96.2	70.0-123			2.26	20
Bromochloromethane	5.00	5.07	5.09	101	102	76.0-122			0.394	20
Bromodichloromethane	5.00	4.72	4.93	94.4	98.6	75.0-120			4.35	20
Bromoform	5.00	4.38	4.62	87.6	92.4	68.0-132			5.33	20
Bromomethane	5.00	6.63	6.93	133	139	10.0-160			4.42	25
Carbon disulfide	5.00	4.50	4.80	90.0	96.0	61.0-128			6.45	20
Carbon tetrachloride	5.00	4.99	5.25	99.8	105	68.0-126			5.08	20
Chlorobenzene	5.00	5.08	4.91	102	98.2	80.0-121			3.40	20
Chloroethane	5.00	6.22	6.53	124	131	47.0-150			4.86	20
Chloroform	5.00	5.20	4.96	104	99.2	73.0-120			4.72	20
Chloromethane	5.00	4.48	4.55	89.6	91.0	41.0-142			1.55	20
Dibromochloromethane	5.00	4.76	4.90	95.2	98.0	77.0-125			2.90	20
Dibromomethane	5.00	4.72	5.06	94.4	101	80.0-120			6.95	20
Dichlorodifluoromethane	5.00	4.16	4.87	83.2	97.4	51.0-149			15.7	20
Ethylbenzene	5.00	4.88	4.84	97.6	96.8	79.0-123			0.823	20
Iodomethane	25.0	23.3	23.6	93.2	94.4	33.0-147			1.28	26
Methylene Chloride	5.00	4.41	4.39	88.2	87.8	67.0-120			0.455	20
Styrene	5.00	4.23	4.42	84.6	88.4	73.0-130			4.39	20
Tetrachloroethene	5.00	4.94	5.15	98.8	103	72.0-132			4.16	20
Toluene	5.00	4.90	4.77	98.0	95.4	79.0-120			2.69	20
Trichloroethene	5.00	4.86	5.04	97.2	101	78.0-124			3.64	20
Trichlorofluoromethane	5.00	7.19	7.41	144	148	59.0-147		J4	3.01	20
Vinyl acetate	25.0	23.4	20.7	93.6	82.8	11.0-160			12.2	20
Vinyl chloride	5.00	5.79	6.18	116	124	67.0-131			6.52	20
Xylenes, Total	15.0	14.8	14.4	98.7	96.0	79.0-123			2.74	20
cis-1,2-Dichloroethene	5.00	4.75	4.89	95.0	97.8	73.0-120			2.90	20

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027080-1 01/26/24 10:56 • (LCSD) R4027080-2 01/26/24 11:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,3-Dichloropropene	5.00	4.45	4.51	89.0	90.2	80.0-123			1.34	20
trans-1,2-Dichloroethene	5.00	4.41	4.64	88.2	92.8	73.0-120			5.08	20
trans-1,3-Dichloropropene	5.00	4.68	4.62	93.6	92.4	78.0-124			1.29	20
trans-1,4-Dichloro-2-butene	5.00	1.59	1.84	31.8	36.8	33.0-144	J4		14.6	20
(S) Toluene-d8				102	102	80.0-120				
(S) 1,2-Dichloroethane-d4				103	103	70.0-130				
(S) 4-Bromofluorobenzene				90.8	91.4	77.0-126				

Laboratory Control Sample (LCS)

(LCS) R4027080-3 01/26/24 12:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetonitrile	500	636	127	40.0-160	
Chloroprene	50.0	50.6	101	60.0-143	
Ethyl methacrylate	50.0	54.5	109	72.0-129	
Methacrylonitrile	500	627	125	61.0-145	
Methyl methacrylate	50.0	58.5	117	63.0-149	
Propionitrile	500	668	134	49.0-160	
(S) Toluene-d8			101	80.0-120	
(S) 1,2-Dichloroethane-d4			110	70.0-130	
(S) 4-Bromofluorobenzene			90.6	77.0-126	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027366-4 01/29/24 10:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Isobutanol	ND		39.0	100
(S) Toluene-d8	94.5			80.0-120
(S) 1,2-Dichloroethane-d4	90.9			70.0-130
(S) 4-Bromofluorobenzene	96.2			77.0-126

Laboratory Control Sample (LCS)

(LCS) R4027366-3 01/29/24 09:32

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Isobutanol	1000	1150	115	40.0-160	
(S) Toluene-d8			94.8	80.0-120	
(S) 1,2-Dichloroethane-d4			86.1	70.0-130	
(S) 4-Bromofluorobenzene			97.2	77.0-126	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4028382-1 01/30/24 14:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
2,4,5-T	ND		0.843	2.00
2,4,5-Tp (Silvex)	ND		0.845	2.00
2,4-D	ND		0.744	2.00
(S) 2,4-Dichlorophenyl Acetic Acid	79.6			14.0-158

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4028382-2 01/30/24 15:28 • (LCSD) R4028382-3 01/30/24 16:14

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
2,4,5-T	5.00	6.79	6.58	136	132	54.0-120	E J4	E J4 P	3.14	20
2,4,5-Tp (Silvex)	5.00	5.18	5.00	104	100	50.0-125	E		3.54	20
2,4-D	5.00	7.80	7.34	156	147	50.0-120	E J4 P	E J4 P	6.08	20
(S) 2,4-Dichlorophenyl Acetic Acid				119	104	14.0-158				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4027411-1 01/27/24 12:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	70.5			10.0-128
(S) Tetrachloro-m-xylene	111			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027411-2 01/27/24 12:11 • (LCSD) R4027411-3 01/27/24 12:20

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 %
4,4-DDD	1.00	1.04	0.946	104	94.6	56.0-140			9.47	22
4,4-DDE	1.00	0.995	0.761	99.5	76.1	52.0-128		J3	26.7	22
4,4-DDT	1.00	1.06	0.880	106	88.0	50.0-141			18.6	23
Aldrin	1.00	0.861	0.774	86.1	77.4	22.0-124			10.6	34
Alpha BHC	1.00	0.964	0.799	96.4	79.9	54.0-130			18.7	23
Beta BHC	1.00	0.881	0.735	88.1	73.5	53.0-136			18.1	20
Delta BHC	1.00	0.951	0.826	95.1	82.6	54.0-133			14.1	20
Dieldrin	1.00	0.974	0.920	97.4	92.0	59.0-133			5.70	20
Endosulfan I	1.00	0.975	0.783	97.5	78.3	57.0-131		J3	21.8	20
Endosulfan II	1.00	0.937	0.709	93.7	70.9	58.0-133		J3	27.7	20
Endosulfan sulfate	1.00	0.899	0.855	89.9	85.5	58.0-133			5.02	21
Endrin	1.00	1.02	0.980	102	98.0	57.0-134			4.00	21

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027411-2 01/27/24 12:11 • (LCSD) R4027411-3 01/27/24 12:20

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	1.03	0.569	103	56.9	53.0-129		J3 P	57.7	20
Gamma BHC	1.00	0.948	0.788	94.8	78.8	55.0-129			18.4	20
Heptachlor	1.00	1.01	0.906	101	90.6	27.0-132			10.9	31
Heptachlor epoxide	1.00	0.978	0.912	97.8	91.2	57.0-130			6.98	20
Methoxychlor	1.00	1.17	1.12	117	112	54.0-155			4.37	24
<i>(S) Decachlorobiphenyl</i>				73.2	46.2	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				122	77.0	10.0-127				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4026800-1 01/26/24 11:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4,4-DDD	ND		0.0170	0.0500
4,4-DDE	ND		0.0154	0.0500
4,4-DDT	ND		0.0177	0.0500
Aldrin	ND		0.00813	0.0500
Alpha BHC	ND		0.0166	0.0500
Beta BHC	ND		0.0184	0.0500
Chlordane	ND		0.0198	0.500
Delta BHC	ND		0.0150	0.0500
Dieldrin	ND		0.00751	0.0500
Endosulfan I	ND		0.0160	0.0500
Endosulfan II	ND		0.0164	0.0500
Endosulfan sulfate	ND		0.0196	0.0500
Endrin	ND		0.0161	0.0500
Endrin aldehyde	ND		0.0142	0.0500
Gamma BHC	ND		0.0176	0.0500
Heptachlor	ND		0.0108	0.0500
Heptachlor epoxide	ND		0.0175	0.0500
Methoxychlor	ND		0.0193	0.0500
Toxaphene	ND		0.168	0.500
(S) Decachlorobiphenyl	43.7			10.0-128
(S) Tetrachloro-m-xylene	62.0			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026800-2 01/26/24 11:46 • (LCSD) R4026800-3 01/26/24 11:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4,4-DDD	1.00	1.07	1.00	107	100	56.0-140			6.76	22
4,4-DDE	1.00	0.927	0.891	92.7	89.1	52.0-128			3.96	22
4,4-DDT	1.00	1.02	0.995	102	99.5	50.0-141			2.48	23
Aldrin	1.00	0.904	0.880	90.4	88.0	22.0-124			2.69	34
Alpha BHC	1.00	0.980	0.995	98.0	99.5	54.0-130			1.52	23
Beta BHC	1.00	0.899	0.901	89.9	90.1	53.0-136			0.222	20
Delta BHC	1.00	0.997	0.997	99.7	99.7	54.0-133			0.000	20
Dieldrin	1.00	0.980	0.971	98.0	97.1	59.0-133			0.923	20
Endosulfan I	1.00	0.932	1.03	93.2	103	57.0-131			9.99	20
Endosulfan II	1.00	0.781	0.979	78.1	97.9	58.0-133		J3	22.5	20
Endosulfan sulfate	1.00	0.993	0.978	99.3	97.8	58.0-133			1.52	21
Endrin	1.00	1.01	1.00	101	100	57.0-134			0.995	21

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026800-2 01/26/24 11:46 • (LCSD) R4026800-3 01/26/24 11:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Endrin aldehyde	1.00	0.968	0.920	96.8	92.0	53.0-129			5.08	20
Gamma BHC	1.00	0.998	1.00	99.8	100	55.0-129			0.200	20
Heptachlor	1.00	0.954	0.946	95.4	94.6	27.0-132			0.842	31
Heptachlor epoxide	1.00	0.936	0.937	93.6	93.7	57.0-130			0.107	20
Methoxychlor	1.00	0.970	0.964	97.0	96.4	54.0-155			0.620	24
<i>(S) Decachlorobiphenyl</i>				53.6	41.3	10.0-128				
<i>(S) Tetrachloro-m-xylene</i>				69.6	59.0	10.0-127				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

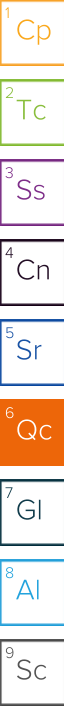
(MB) R4027411-1 01/27/24 12:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	77.6			10.0-128
(S) Tetrachloro-m-xylene	118			10.0-127

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027411-4 01/27/24 12:29 • (LCSD) R4027411-5 01/27/24 12:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1016	2.50	1.96	2.05	78.4	82.0	36.0-135			4.49	29
PCB 1260	2.50	1.68	2.04	67.2	81.6	42.0-131			19.4	25
(S) Decachlorobiphenyl				29.1	74.5	10.0-128				
(S) Tetrachloro-m-xylene				75.2	89.7	10.0-127				



Method Blank (MB)

(MB) R4026800-1 01/26/24 11:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
PCB 1016	ND		0.100	0.500
PCB 1221	ND		0.0730	0.500
PCB 1232	ND		0.0420	0.500
PCB 1242	ND		0.0470	0.500
PCB 1248	ND		0.0860	0.500
PCB 1254	ND		0.0470	0.500
PCB 1260	ND		0.120	0.500
(S) Decachlorobiphenyl	59.3			10.0-128
(S) Tetrachloro-m-xylene	74.1			10.0-127

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026800-4 01/26/24 12:05 • (LCSD) R4026800-5 01/26/24 12:15

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
PCB 1016	2.50	1.67	1.80	66.8	72.0	36.0-135			7.49	29
PCB 1260	2.50	1.63	1.79	65.2	71.6	42.0-131			9.36	25
(S) Decachlorobiphenyl				47.3	46.8	10.0-128				
(S) Tetrachloro-m-xylene				66.4	70.7	10.0-127				

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4028379-2 01/30/24 22:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
1,3,5-Trinitrobenzene	ND		1.32	10.0
1,3-Dinitrobenzene	ND		0.359	10.0
1,4-Naphthoquinone	ND		5.56	50.0
1-Naphthylamine	ND		0.289	10.0
2,6-Dichlorophenol	ND		2.77	10.0
2-Acetylaminofluorene	ND		0.253	10.0
2-Naphthylamine	ND		0.195	10.0
3,3-Dimethylbenzidine	ND		3.39	10.0
3-Methylcholanthrene	ND		0.164	10.0
4-Aminobiphenyl	ND		0.461	10.0
5-Nitro-o-toluidine	ND		1.99	10.0
Chlorobenzilate	ND		1.33	50.0
Diallate	ND		0.524	10.0
Dimethoate	ND		1.44	50.0
Dimethylbenz (A) Anthracene	ND		1.71	10.0
Dinoseb	ND		17.9	50.0
Diphenylamine	ND		1.19	10.0
Disulfoton	ND		0.267	10.0
Ethyl methanesulfonate	ND		0.326	10.0
Ethyl parathion	ND		0.379	10.0
Famphur	ND		1.06	20.0
Hexachloropropene	ND		0.149	50.0
Isodrin	ND		0.293	10.0
Isosafrole	ND		0.409	10.0
Kepone	ND		1.88	20.0
Methapyrilene	ND		4.25	50.0
Methyl methanesulfonate	ND		0.647	50.0
Methyl parathion	ND		0.213	10.0
O,O,O-Triethyl Phosphorothioate	ND		0.537	10.0
P-(Dimethylamino) Azobenzene	ND		0.208	10.0
Pentachlorobenzene	ND		0.369	10.0
Pentachloronitrobenzene	ND		0.327	10.0
Phenacetin	ND		0.262	10.0
Phorate	ND		0.382	50.0
Pronamide	ND		0.265	10.0
Safrole	ND		0.259	10.0
Thionazin	ND		0.204	10.0
n-Nitrosodi-n-butylamine	ND		0.331	10.0
n-Nitrosodiethylamine	ND		0.497	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4028379-2 01/30/24 22:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
n-Nitrosomethylethylamine	ND		1.71	10.0
n-Nitrosopiperidine	ND		0.268	10.0
n-Nitrosopyrrolidine	ND		2.55	10.0
o-Toluidine	ND		0.362	10.0
p-Phenylenediamine	ND		387	6900

Method Blank (MB)

(MB) R4028148-2 01/28/24 13:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND		0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4028148-2 01/28/24 13:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	0.000	<u>J2</u>		10.0-120
(S) 2,4,6-Tribromophenol	59.5			10.0-155

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4028148-2 01/28/24 13:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
(S) p-Terphenyl-d14	102			10.0-128
(S) Phenol-d5	0.000	<u>J2</u>		10.0-120
(S) 2-Fluorobiphenyl	0.433	<u>J2</u>		10.0-130
(S) Nitrobenzene-d5	0.000	<u>J2</u>		10.0-127

Laboratory Control Sample (LCS)

(LCS) R4028379-1 01/30/24 22:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3,5-Trinitrobenzene	50.0	41.8	83.6	37.0-147	
1,3-Dinitrobenzene	50.0	31.5	63.0	34.0-120	
1,4-Naphthoquinone	50.0	2.28	4.56	50.0-150	<u>J4</u>
1-Naphthylamine	50.0	26.0	52.0	19.0-120	
2,6-Dichlorophenol	50.0	6.89	13.8	19.0-136	<u>J4</u>
2-Acetylaminofluorene	50.0	57.2	114	32.0-120	
2-Naphthylamine	50.0	17.9	35.8	10.0-120	
3,3-Dimethylbenzidine	50.0	12.6	25.2	13.0-120	
3-Methylcholanthrene	50.0	45.3	90.6	30.0-160	
4-Aminobiphenyl	50.0	27.7	55.4	20.0-120	
5-Nitro-o-toluidine	50.0	43.7	87.4	34.0-120	
Chlorobenzilate	50.0	42.7	85.4	29.0-128	
Diallate	50.0	29.6	59.2	30.0-120	
Dimethoate	50.0	37.1	74.2	11.0-134	
Dimethylbenz (A) Anthracene	50.0	40.0	80.0	14.0-124	
Dinoseb	50.0	40.4	80.8	39.0-120	
Diphenylamine	50.0	34.7	69.4	35.0-120	
Disulfoton	50.0	40.4	80.8	32.0-120	
Ethyl methanesulfonate	50.0	ND	0.000	10.0-120	<u>J4</u>
Ethyl parathion	50.0	45.6	91.2	46.0-130	
Famphur	50.0	53.2	106	32.0-120	
Hexachloropropene	50.0	ND	0.000	10.0-120	<u>J4</u>
Isodrin	50.0	30.8	61.6	22.0-157	
Isosafrole	50.0	10.0	20.0	25.0-133	<u>J4</u>
Kepone	50.0	42.3	84.6	10.0-120	
Methapyrilene	50.0	7.96	15.9	10.0-120	
Methyl methanesulfonate	50.0	ND	0.000	10.0-120	<u>J4</u>
Methyl parathion	50.0	53.6	107	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	ND	0.000	11.0-135	<u>J4</u>

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4028379-1 01/30/24 22:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
P-(Dimethylamino) Azobenzene	50.0	43.9	87.8	27.0-120	
Pentachlorobenzene	50.0	18.3	36.6	25.0-120	
Pentachloronitrobenzene	50.0	36.8	73.6	34.0-132	
Phenacetin	50.0	37.9	75.8	34.0-127	
Phorate	50.0	39.6	79.2	13.0-160	
Pronamide	50.0	36.9	73.8	38.0-130	
Safrole	50.0	ND	0.000	21.0-120	J4
Thionazin	50.0	42.3	84.6	38.0-121	
n-Nitrosodi-n-butylamine	50.0	12.1	24.2	13.0-143	
n-Nitrosodiethylamine	50.0	ND	0.000	10.0-120	J4
n-Nitrosomethylethylamine	50.0	ND	0.000	10.0-120	J4
n-Nitrosopiperidine	50.0	ND	0.000	10.0-160	J4
n-Nitrosopyrrolidine	50.0	ND	0.000	10.0-124	J4
o-Toluidine	50.0	ND	0.422	10.0-120	J4
p-Phenylenediamine	50.0	0.000	0.000	50.0-150	J4

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4028148-1 01/28/24 12:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,4,5-Tetrachlorobenzene	50.0	31.3	62.6	31.0-121	
1,2,4-Trichlorobenzene	50.0	30.2	60.4	24.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	29.7	59.4	28.0-120	
2,3,4,6-Tetrachlorophenol	50.0	37.5	75.0	42.0-132	
2,4,5-Trichlorophenol	50.0	33.6	67.2	44.0-120	
2,4,6-Trichlorophenol	50.0	34.6	69.2	42.0-120	
2,4-Dichlorophenol	50.0	32.1	64.2	36.0-120	
2,4-Dimethylphenol	50.0	33.2	66.4	33.0-120	
2,4-Dinitrophenol	50.0	38.2	76.4	10.0-120	
2,4-Dinitrotoluene	50.0	39.5	79.0	49.0-124	
2,6-Dinitrotoluene	50.0	38.8	77.6	46.0-120	
2-Chloronaphthalene	50.0	36.6	73.2	37.0-120	
2-Chlorophenol	50.0	25.7	51.4	25.0-120	
2-Methylnaphthalene	50.0	33.6	67.2	33.0-120	
2-Methylphenol	50.0	19.8	39.6	28.0-120	
2-Nitroaniline	50.0	39.6	79.2	43.0-120	
2-Nitrophenol	50.0	34.3	68.6	31.0-120	
3&4-Methyl Phenol	50.0	21.5	43.0	31.0-120	

Laboratory Control Sample (LCS)

(LCS) R4028148-1 01/28/24 12:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
3,3-Dichlorobenzidine	100	72.4	72.4	44.0-120	
3-Nitroaniline	50.0	33.6	67.2	38.0-120	
4,6-Dinitro-2-methylphenol	50.0	41.1	82.2	38.0-138	
4-Bromophenyl-phenylether	50.0	38.5	77.0	45.0-120	
4-Chloro-3-methylphenol	50.0	26.4	52.8	40.0-120	
4-Chloroaniline	50.0	21.1	42.2	25.0-120	
4-Chlorophenyl-phenylether	50.0	38.8	77.6	44.0-120	
4-Nitroaniline	50.0	37.9	75.8	18.0-160	
4-Nitrophenol	50.0	12.9	25.8	10.0-120	
Acenaphthene	50.0	38.5	77.0	41.0-120	
Acenaphthylene	50.0	35.4	70.8	43.0-120	
Acetophenone	50.0	28.5	57.0	29.0-120	
Anthracene	50.0	34.4	68.8	45.0-120	
Benzo(A)Anthracene	50.0	37.0	74.0	47.0-120	
Benzo(a)pyrene	50.0	37.9	75.8	47.0-120	
Benzo(b)fluoranthene	50.0	37.7	75.4	46.0-120	
Benzo(g,h,i)perylene	50.0	33.5	67.0	48.0-121	
Benzo(k)fluoranthene	50.0	40.0	80.0	46.0-120	
Benzyl Alcohol	50.0	20.5	41.0	25.0-120	
Benzylbutyl phthalate	50.0	45.8	91.6	43.0-121	
Bis(2-Ethylhexyl)phthalate	50.0	47.3	94.6	43.0-122	
Bis(2-chlorethoxy)methane	50.0	30.0	60.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	31.3	62.6	23.0-120	
Chrysene	50.0	37.6	75.2	48.0-120	
Di-n-butyl phthalate	50.0	40.6	81.2	49.0-121	
Di-n-octyl phthalate	50.0	45.8	91.6	42.0-125	
Dibenz(a,h)anthracene	50.0	35.7	71.4	47.0-120	
Dibenzofuran	50.0	36.4	72.8	44.0-120	
Diethyl phthalate	50.0	40.1	80.2	48.0-122	
Dimethyl phthalate	50.0	40.6	81.2	48.0-120	
Diphenylamine	50.0	37.5	75.0	35.0-120	
Fluoranthene	50.0	36.5	73.0	51.0-120	
Fluorene	50.0	39.6	79.2	47.0-120	
Hexachloro-1,3-butadiene	50.0	27.9	55.8	19.0-120	
Hexachlorobenzene	50.0	38.9	77.8	44.0-120	
Hexachlorocyclopentadiene	50.0	25.2	50.4	15.0-120	
Hexachloroethane	50.0	26.3	52.6	15.0-120	
Indeno(1,2,3-cd)pyrene	50.0	33.5	67.0	49.0-122	
Isophorone	50.0	28.7	57.4	36.0-120	
Naphthalene	50.0	30.9	61.8	27.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4028148-1 01/28/24 12:45

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Nitrobenzene	50.0	27.2	54.4	27.0-120	
Pentachlorophenol	50.0	27.0	54.0	23.0-120	
Phenanthrene	50.0	36.8	73.6	46.0-120	
Phenol	50.0	10.6	21.2	10.0-120	
Pyrene	50.0	40.8	81.6	47.0-120	
n-Nitrosodi-n-propylamine	50.0	28.9	57.8	31.0-120	
n-Nitrosodimethylamine	50.0	14.7	29.4	10.0-120	
n-Nitrosodiphenylamine	50.0	37.5	75.0	47.0-120	
(S) 2-Fluorophenol			32.4	10.0-120	
(S) 2,4,6-Tribromophenol			95.5	10.0-155	
(S) p-Terphenyl-d14			95.6	10.0-128	
(S) Phenol-d5			22.4	10.0-120	
(S) 2-Fluorobiphenyl			88.8	10.0-130	
(S) Nitrobenzene-d5			61.6	10.0-127	

L1698493-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698493-15 01/28/24 17:28 • (MS) R4028148-3 01/28/24 17:50 • (MSD) R4028148-4 01/28/24 18:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
1,2,4,5-Tetrachlorobenzene	50.0	ND	12.9	ND	25.8	1.96	1	19.0-122	J3 J6		172	32
1,2,4-Trichlorobenzene	50.0	ND	10.9	ND	21.8	0.000	1	15.0-120	J3 J6		200	31
2,2-Oxybis(1-Chloropropane)	50.0	ND	10.4	ND	20.8	0.000	1	18.0-120	J3 J6		200	34
2,3,4,6-Tetrachlorophenol	50.0	ND	ND	ND	46.8	58.6	1	17.0-142			22.4	34
2,4,5-Trichlorophenol	50.0	ND	17.4	19.3	34.8	38.6	1	33.0-120			10.4	31
2,4,6-Trichlorophenol	50.0	ND	16.5	12.5	33.0	25.0	1	26.0-120	J6		27.6	31
2,4-Dichlorophenol	50.0	ND	13.6	ND	27.2	2.38	1	19.0-120	J3 J6		168	27
2,4-Dimethylphenol	50.0	ND	14.4	ND	28.8	2.02	1	15.0-120	J3 J6		174	28
2,4-Dinitrophenol	50.0	ND	ND	ND	66.6	69.8	1	10.0-120			4.69	40
2,4-Dinitrotoluene	50.0	ND	27.8	33.1	55.6	66.2	1	39.0-125			17.4	25
2,6-Dinitrotoluene	50.0	ND	22.2	28.0	44.4	56.0	1	36.0-120			23.1	27
2-Chloronaphthalene	50.0	ND	15.6	ND	31.2	6.98	1	29.0-120	J3 J6		127	28
2-Chlorophenol	50.0	ND	10.8	ND	21.6	0.000	1	18.0-120	J3 J6		200	34
2-Methylnaphthalene	50.0	ND	13.7	ND	27.4	0.814	1	17.0-120	J3 J6		188	28
2-Methylphenol	50.0	ND	ND	ND	18.0	0.000	1	10.0-120	J3 J6		200	30
2-Nitroaniline	50.0	ND	ND	ND	40.4	50.8	1	33.0-120			22.8	27
2-Nitrophenol	50.0	ND	14.4	ND	28.8	0.000	1	20.0-120	J3 J6		200	30
3&4-Methyl Phenol	50.0	ND	ND	ND	18.6	0.444	1	10.0-120	J3 J6		191	36
3,3-Dichlorobenzidine	100	ND	66.5	64.0	66.5	64.0	1	10.0-134			3.83	30

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698493-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698493-15 01/28/24 17:28 • (MS) R4028148-3 01/28/24 17:50 • (MSD) R4028148-4 01/28/24 18:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
3-Nitroaniline	50.0	ND	ND	ND	42.2	54.6	1	20.0-120			25.6	27
4,6-Dinitro-2-methylphenol	50.0	ND	ND	ND	70.8	73.8	1	10.0-144			4.15	39
4-Bromophenyl-phenylether	50.0	ND	ND	ND	46.6	60.0	1	37.0-120		J3	25.1	24
4-Chloro-3-methylphenol	50.0	ND	13.2	12.3	26.4	24.6	1	26.0-120		J6	7.06	27
4-Chloroaniline	50.0	ND	ND	ND	15.9	4.18	1	10.0-120		J3 J6	117	31
4-Chlorophenyl-phenylether	50.0	ND	20.4	23.3	40.8	46.6	1	36.0-120			13.3	23
4-Nitroaniline	50.0	ND	ND	ND	59.6	65.8	1	10.0-160			9.89	26
4-Nitrophenol	50.0	ND	ND	ND	28.8	27.0	1	10.0-120			6.45	40
Acenaphthene	50.0	ND	18.5	13.3	37.0	26.6	1	28.0-120		J3 J6	32.7	25
Acenaphthylene	50.0	ND	16.8	10.2	33.6	20.4	1	31.0-121		J3 J6	48.9	25
Acetophenone	50.0	ND	11.1	ND	22.2	0.000	1	20.0-120		J3 J6	200	35
Anthracene	50.0	ND	25.4	30.4	50.8	60.8	1	36.0-120			17.9	23
Benzo(A)Anthracene	50.0	ND	36.8	35.4	73.6	70.8	1	39.0-120			3.88	23
Benzo(a)pyrene	50.0	ND	38.7	36.8	77.4	73.6	1	37.0-120			5.03	24
Benzo(b)fluoranthene	50.0	ND	38.0	37.0	76.0	74.0	1	37.0-120			2.67	23
Benzo(g,h,i)perylene	50.0	ND	31.8	31.1	63.6	62.2	1	37.0-123			2.23	25
Benzo(k)fluoranthene	50.0	ND	39.4	38.7	78.8	77.4	1	37.0-120			1.79	26
Benzyl Alcohol	50.0	ND	ND	ND	16.1	0.000	1	14.0-120		J3 J6	200	38
Benzylbutyl phthalate	50.0	ND	46.6	45.2	93.2	90.4	1	34.0-126			3.05	24
Bis(2-Ethylhexyl)phthalate	50.0	ND	48.8	46.6	97.6	93.2	1	33.0-126			4.61	25
Bis(2-chlorethoxy)methane	50.0	ND	12.2	ND	24.4	0.000	1	17.0-120		J3 J6	200	31
Bis(2-chloroethyl)ether	50.0	ND	11.0	ND	22.0	0.000	1	14.0-120		J3 J6	200	33
Chrysene	50.0	ND	37.3	36.0	74.6	72.0	1	38.0-120			3.55	23
Di-n-butyl phthalate	50.0	ND	40.3	41.3	80.6	82.6	1	35.0-128			2.45	23
Di-n-octyl phthalate	50.0	ND	47.3	45.8	94.6	91.6	1	25.0-135			3.22	26
Dibenz(a,h)anthracene	50.0	ND	34.4	34.1	68.8	68.2	1	36.0-121			0.876	24
Dibenzofuran	50.0	ND	18.3	16.4	36.6	32.8	1	32.0-120			11.0	26
Diethyl phthalate	50.0	ND	26.8	35.3	53.6	70.6	1	39.0-125		J3	27.4	24
Dimethyl phthalate	50.0	ND	22.3	28.4	44.6	56.8	1	37.0-120		J3	24.1	24
Diphenylamine	50.0	ND	24.4	31.1	48.8	62.2	1	35.0-120			24.1	30
Fluoranthene	50.0	ND	32.5	34.0	65.0	68.0	1	41.0-121			4.51	22
Fluorene	50.0	ND	20.6	24.5	41.2	49.0	1	37.0-120			17.3	24
Hexachloro-1,3-butadiene	50.0	ND	ND	ND	19.4	0.000	1	12.0-120		J3 J6	200	34
Hexachlorobenzene	50.0	ND	26.2	32.9	52.4	65.8	1	35.0-122			22.7	24
Hexachlorocyclopentadiene	50.0	ND	ND	ND	21.4	0.000	1	10.0-120		J3 J6	200	33
Hexachloroethane	50.0	ND	ND	ND	17.3	0.000	1	10.0-120		J3 J6	200	40
Indeno(1,2,3-cd)pyrene	50.0	ND	33.1	32.9	66.2	65.8	1	38.0-125			0.606	24
Isophorone	50.0	ND	11.9	ND	23.8	0.382	1	21.0-120		J3 J6	194	27
Naphthalene	50.0	ND	11.7	ND	23.4	0.000	1	10.0-120		J3 J6	200	31
Nitrobenzene	50.0	ND	10.1	ND	20.2	0.000	1	12.0-120		J3 J6	200	30

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698493-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698493-15 01/28/24 17:28 • (MS) R4028148-3 01/28/24 17:50 • (MSD) R4028148-4 01/28/24 18:12

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 %
Pentachlorophenol	50.0	ND	ND	ND	60.4	59.2	1	10.0-128			2.01	37
Phenanthrene	50.0	ND	26.1	31.9	52.2	63.8	1	33.0-120			20.0	22
Phenol	50.0	ND	ND	ND	10.9	0.000	1	10.0-120		J3 J6	200	40
Pyrene	50.0	ND	39.6	39.5	79.2	79.0	1	39.0-120			0.253	22
n-Nitrosodi-n-propylamine	50.0	ND	11.1	ND	22.2	0.000	1	16.0-120		J3 J6	200	30
n-Nitrosodimethylamine	50.0	ND	ND	ND	11.5	0.000	1	10.0-120		J3 J6	200	40
n-Nitrosodiphenylamine	50.0	ND	24.4	31.1	48.8	62.2	1	37.0-120		J3	24.1	24
(S) 2-Fluorophenol					11.6	0.000		10.0-120		J2		
(S) 2,4,6-Tribromophenol					63.5	73.0		10.0-155				
(S) p-Terphenyl-d14					94.7	91.1		10.0-128				
(S) Phenol-d5					8.90	0.000		10.0-120	J2	J2		
(S) 2-Fluorobiphenyl					36.1	6.90		10.0-130		J2		
(S) Nitrobenzene-d5					20.7	0.000		10.0-127		J2		

L1698493-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698493-10 01/28/24 18:34 • (MS) R4028148-5 01/28/24 18:55 • (MSD) R4028148-6 01/28/24 19:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4,5-Tetrachlorobenzene	50.0	ND	ND	ND	18.0	16.7	1	19.0-122	J6	J6	7.49	32
1,2,4-Trichlorobenzene	50.0	ND	ND	ND	1.35	1.54	1	15.0-120	J6	J6	12.9	31
2,2-Oxybis(1-Chloropropane)	50.0	ND	ND	ND	0.000	0.584	1	18.0-120	J6	J3 J6	200	34
2,3,4,6-Tetrachlorophenol	50.0	ND	ND	ND	75.8	76.8	1	17.0-142			1.31	34
2,4,5-Trichlorophenol	50.0	ND	31.2	29.2	62.4	58.4	1	33.0-120			6.62	31
2,4,6-Trichlorophenol	50.0	ND	27.2	27.9	54.4	55.8	1	26.0-120			2.54	31
2,4-Dichlorophenol	50.0	ND	17.4	14.4	34.8	28.8	1	19.0-120			18.9	27
2,4-Dimethylphenol	50.0	ND	17.0	14.8	34.0	29.6	1	15.0-120			13.8	28
2,4-Dinitrophenol	50.0	ND	ND	ND	90.0	94.0	1	10.0-120			4.35	40
2,4-Dinitrotoluene	50.0	ND	38.1	39.8	76.2	79.6	1	39.0-125			4.36	25
2,6-Dinitrotoluene	50.0	ND	35.5	36.4	71.0	72.8	1	36.0-120			2.50	27
2-Chloronaphthalene	50.0	ND	17.5	17.1	35.0	34.2	1	29.0-120			2.31	28
2-Chlorophenol	50.0	ND	ND	ND	0.000	0.000	1	18.0-120	J6	J6	32.3	34
2-Methylnaphthalene	50.0	ND	ND	ND	17.1	15.2	1	17.0-120		J6	11.7	28
2-Methylphenol	50.0	ND	ND	ND	11.3	7.48	1	10.0-120		J3 J6	40.7	30
2-Nitroaniline	50.0	ND	ND	ND	66.6	75.8	1	33.0-120			12.9	27
2-Nitrophenol	50.0	ND	ND	ND	5.22	4.08	1	20.0-120	J6	J6	24.5	30
3&4-Methyl Phenol	50.0	ND	10.1	ND	20.2	14.0	1	10.0-120		J3	36.5	36
3,3-Dichlorobenzidine	100	ND	ND	ND	9.93	21.1	1	10.0-134	J6	J3	72.0	30
3-Nitroaniline	50.0	ND	ND	ND	34.6	54.6	1	20.0-120		J3	44.8	27

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698493-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698493-10 01/28/24 18:34 • (MS) R4028148-5 01/28/24 18:55 • (MSD) R4028148-6 01/28/24 19:17

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 %
4,6-Dinitro-2-methylphenol	50.0	ND	ND	ND	86.0	87.0	1	10.0-144			1.16	39
4-Bromophenyl-phenylether	50.0	ND	ND	ND	71.0	71.4	1	37.0-120			0.562	24
4-Chloro-3-methylphenol	50.0	ND	23.9	23.7	47.8	47.4	1	26.0-120			0.840	27
4-Chloroaniline	50.0	ND	ND	ND	2.40	17.3	1	10.0-120	J6	J3	151	31
4-Chlorophenyl-phenylether	50.0	ND	30.8	32.0	61.6	64.0	1	36.0-120			3.82	23
4-Nitroaniline	50.0	ND	ND	ND	56.8	70.0	1	10.0-160			20.8	26
4-Nitrophenol	50.0	ND	ND	ND	45.2	33.6	1	10.0-120			29.4	40
Acenaphthene	50.0	ND	26.1	27.4	51.1	53.7	1	28.0-120			4.86	25
Acenaphthylene	50.0	ND	23.5	24.5	47.0	49.0	1	31.0-121			4.17	25
Acetophenone	50.0	ND	ND	ND	2.06	2.04	1	20.0-120	J6	J6	0.976	35
Anthracene	50.0	ND	32.8	34.4	65.4	68.6	1	36.0-120			4.76	23
Benzo(A)Anthracene	50.0	ND	34.4	36.4	68.8	72.8	1	39.0-120			5.65	23
Benzo(a)pyrene	50.0	ND	36.0	38.4	72.0	76.8	1	37.0-120			6.45	24
Benzo(b)fluoranthene	50.0	ND	36.2	39.3	72.4	78.6	1	37.0-120			8.21	23
Benzo(g,h,i)perylene	50.0	ND	29.4	32.6	58.8	65.2	1	37.0-123			10.3	25
Benzo(k)fluoranthene	50.0	ND	38.2	39.0	76.4	78.0	1	37.0-120			2.07	26
Benzyl Alcohol	50.0	ND	ND	ND	8.02	5.92	1	14.0-120	J6	J6	30.1	38
Benzylbutyl phthalate	50.0	ND	47.0	48.9	94.0	97.8	1	34.0-126			3.96	24
Bis(2-Ethylhexyl)phthalate	50.0	ND	45.8	47.1	91.6	94.2	1	33.0-126			2.80	25
Bis(2-chlorethoxy)methane	50.0	ND	ND	ND	8.02	6.40	1	17.0-120	J6	J6	22.5	31
Bis(2-chloroethyl)ether	50.0	ND	ND	ND	0.000	0.000	1	14.0-120	J6	J6	0.000	33
Chrysene	50.0	ND	35.0	36.4	70.0	72.8	1	38.0-120			3.92	23
Di-n-butyl phthalate	50.0	ND	43.7	45.4	87.4	90.8	1	35.0-128			3.82	23
Di-n-octyl phthalate	50.0	ND	45.2	48.7	90.4	97.4	1	25.0-135			7.45	26
Dibenz(a,h)anthracene	50.0	ND	32.9	35.0	65.8	70.0	1	36.0-121			6.19	24
Dibenzofuran	50.0	ND	27.4	28.1	54.8	56.2	1	32.0-120			2.52	26
Diethyl phthalate	50.0	ND	38.9	40.6	77.8	81.2	1	39.0-125			4.28	24
Dimethyl phthalate	50.0	ND	36.7	37.9	73.4	75.8	1	37.0-120			3.22	24
Diphenylamine	50.0	ND	29.3	33.7	58.6	67.4	1	35.0-120			14.0	30
Fluoranthene	50.0	ND	34.9	36.0	69.8	72.0	1	41.0-121			3.10	22
Fluorene	50.0	ND	31.9	33.8	63.8	67.6	1	37.0-120			5.78	24
Hexachloro-1,3-butadiene	50.0	ND	ND	ND	0.708	1.04	1	12.0-120	J6	J3 J6	38.2	34
Hexachlorobenzene	50.0	ND	34.6	37.6	69.2	75.2	1	35.0-122			8.31	24
Hexachlorocyclopentadiene	50.0	ND	ND	ND	5.48	4.52	1	10.0-120	J6	J6	19.2	33
Hexachloroethane	50.0	ND	ND	ND	0.388	0.524	1	10.0-120	J6	J6	29.8	40
Indeno(1,2,3-cd)pyrene	50.0	ND	31.1	33.3	62.2	66.6	1	38.0-125			6.83	24
Isophorone	50.0	ND	ND	ND	13.8	12.9	1	21.0-120	J6	J6	6.74	27
Naphthalene	50.0	ND	ND	ND	2.54	2.06	1	10.0-120	J6	J6	17.4	31
Nitrobenzene	50.0	ND	ND	ND	1.35	1.34	1	12.0-120	J6	J6	0.745	30
Pentachlorophenol	50.0	ND	ND	ND	78.2	78.4	1	10.0-128			0.255	37

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1698493-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1698493-10 01/28/24 18:34 • (MS) R4028148-5 01/28/24 18:55 • (MSD) R4028148-6 01/28/24 19:17

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 %
Phenanthrene	50.0	ND	35.3	35.6	70.6	71.2	1	33.0-120			0.846	22
Phenol	50.0	ND	ND	ND	0.000	0.000	1	10.0-120	<u>J6</u>	<u>J6</u>	0.000	40
Pyrene	50.0	ND	39.2	41.1	78.4	82.2	1	39.0-120			4.73	22
n-Nitrosodi-n-propylamine	50.0	ND	ND	ND	4.08	4.12	1	16.0-120	<u>J6</u>	<u>J6</u>	0.976	30
n-Nitrosodimethylamine	50.0	ND	ND	ND	0.000	0.000	1	10.0-120	<u>J6</u>	<u>J6</u>	0.000	40
n-Nitrosodiphenylamine	50.0	ND	29.3	33.7	58.6	67.4	1	37.0-120			14.0	24
<i>(S)</i> 2-Fluorophenol					0.171	0.337		10.0-120	<u>J2</u>	<u>J2</u>		
<i>(S)</i> 2,4,6-Tribromophenol					92.5	87.5		10.0-155				
<i>(S)</i> p-Terphenyl-d14					88.3	88.9		10.0-128				
<i>(S)</i> Phenol-d5					4.70	2.41		10.0-120	<u>J2</u>	<u>J2</u>		
<i>(S)</i> 2-Fluorobiphenyl					38.5	35.7		10.0-130				
<i>(S)</i> Nitrobenzene-d5					1.01	1.64		10.0-127	<u>J2</u>	<u>J2</u>		

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4027229-3 01/28/24 16:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	ND		2.41	10.0
1,2,4-Trichlorobenzene	ND		0.355	10.0
2,2-Oxybis(1-Chloropropane)	ND		0.445	10.0
2,3,4,6-Tetrachlorophenol	ND		2.00	10.0
2,4,5-Trichlorophenol	ND		0.236	10.0
2,4,6-Trichlorophenol	ND		0.297	10.0
2,4-Dichlorophenol	ND		0.284	10.0
2,4-Dimethylphenol	ND		0.624	10.0
2,4-Dinitrophenol	ND		3.25	10.0
2,4-Dinitrotoluene	ND		1.65	10.0
2,6-Dinitrotoluene	ND		0.279	10.0
2-Chloronaphthalene	ND		0.330	1.00
2-Chlorophenol	ND		0.283	10.0
2-Methylnaphthalene	ND	U	0.311	1.00
2-Methylphenol	ND		0.312	10.0
2-Nitroaniline	ND		1.90	10.0
2-Nitrophenol	ND		0.320	10.0
3&4-Methyl Phenol	ND		0.266	10.0
3,3-Dichlorobenzidine	ND		2.02	10.0
3-Nitroaniline	ND		0.308	10.0
4,6-Dinitro-2-methylphenol	ND		2.62	10.0
4-Bromophenyl-phenylether	ND		0.335	10.0
4-Chloro-3-methylphenol	ND		0.263	10.0
4-Chloroaniline	ND		0.382	10.0
4-Chlorophenyl-phenylether	ND		0.303	10.0
4-Nitroaniline	ND		0.349	10.0
4-Nitrophenol	ND		2.01	10.0
Acenaphthene	ND		0.316	1.00
Acenaphthylene	ND		0.309	1.00
Acetophenone	ND		2.71	10.0
Anthracene	ND		0.291	1.00
Benzo(A)Anthracene	ND		0.0975	1.00
Benzo(a)pyrene	ND		0.340	1.00
Benzo(b)fluoranthene	ND		0.0896	1.00
Benzo(g,h,i)perylene	ND		0.161	1.00
Benzo(k)fluoranthene	ND		0.355	1.00
Benzyl Alcohol	ND		0.393	10.0
Benzylbutyl phthalate	ND		0.275	3.00
Bis(2-Ethylhexyl)phthalate	ND		0.709	3.00
Bis(2-chlorethoxy)methane	ND		0.329	10.0

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4027229-3 01/28/24 16:14

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Bis(2-chloroethyl)ether	ND		1.62	10.0
Chrysene	ND		0.332	1.00
Di-n-butyl phthalate	ND		0.266	3.00
Di-n-octyl phthalate	ND		0.278	3.00
Dibenz(a,h)anthracene	ND		0.279	1.00
Dibenzofuran	ND		0.338	10.0
Diethyl phthalate	ND		0.282	3.00
Dimethyl phthalate	ND		0.283	3.00
Diphenylamine	ND		1.19	10.0
Fluoranthene	ND		0.310	1.00
Fluorene	ND		0.323	1.00
Hexachloro-1,3-butadiene	ND		0.329	10.0
Hexachlorobenzene	ND		0.341	1.00
Hexachlorocyclopentadiene	ND		2.33	10.0
Hexachloroethane	ND		0.365	10.0
Indeno(1,2,3-cd)pyrene	ND		0.279	1.00
Isophorone	ND		0.272	10.0
Naphthalene	ND		0.372	1.00
Nitrobenzene	ND		0.367	10.0
Pentachlorophenol	ND		0.313	10.0
Phenanthrene	ND		0.366	1.00
Phenol	ND		0.334	10.0
Pyrene	ND		0.330	1.00
n-Nitrosodi-n-propylamine	ND		0.403	10.0
n-Nitrosodimethylamine	ND		1.26	10.0
n-Nitrosodiphenylamine	ND		1.19	10.0
(S) 2-Fluorophenol	25.5			10.0-120
(S) 2,4,6-Tribromophenol	44.9			10.0-155
(S) p-Terphenyl-d14	53.6			10.0-128
(S) Phenol-d5	16.1			10.0-120
(S) 2-Fluorobiphenyl	37.1			10.0-130
(S) Nitrobenzene-d5	35.5			10.0-127

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4028000-2 01/30/24 13:58

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,3,5-Trinitrobenzene	ND		1.32	10.0
1,3-Dinitrobenzene	ND		0.359	10.0
1,4-Naphthoquinone	ND		5.56	50.0
1-Naphthylamine	ND		0.289	10.0
2,6-Dichlorophenol	ND		2.77	10.0
2-Acetylaminofluorene	ND		0.253	10.0
2-Naphthylamine	ND		0.195	10.0
3,3-Dimethylbenzidine	ND		3.39	10.0
3-Methylcholanthrene	ND		0.164	10.0
4-Aminobiphenyl	ND		0.461	10.0
5-Nitro-o-toluidine	ND		1.99	10.0
Chlorobenzilate	ND		1.33	50.0
Diallate	ND		0.524	10.0
Dimethoate	ND		1.44	50.0
Dimethylbenz (A) Anthracene	ND		1.71	10.0
Dinoseb	ND		17.9	50.0
Diphenylamine	ND		1.19	10.0
Disulfoton	ND		0.267	10.0
Ethyl methanesulfonate	ND		0.326	10.0
Ethyl parathion	ND		0.379	10.0
Famphur	ND		1.06	20.0
Hexachloropropene	ND		0.149	50.0
Isodrin	ND		0.293	10.0
Isosafrole	ND		0.409	10.0
Kepone	ND		1.88	20.0
Methapyrilene	ND		4.25	50.0
Methyl methanesulfonate	ND		0.647	50.0
Methyl parathion	ND		0.213	10.0
O,O,O-Triethyl Phosphorothioate	ND		0.537	10.0
P-(Dimethylamino) Azobenzene	ND		0.208	10.0
Pentachlorobenzene	ND		0.369	10.0
Pentachloronitrobenzene	ND		0.327	10.0
Phenacetin	ND		0.262	10.0
Phorate	ND		0.382	50.0
Pronamide	ND		0.265	10.0
Safrole	ND		0.259	10.0
Thionazin	ND		0.204	10.0
n-Nitrosodi-n-butylamine	ND		0.331	10.0
n-Nitrosodiethylamine	ND		0.497	10.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4028000-2 01/30/24 13:58

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
n-Nitrosomethylethylamine	ND		1.71	10.0
n-Nitrosopiperidine	ND		0.268	10.0
n-Nitrosopyrrolidine	ND		2.55	10.0
o-Toluidine	ND		0.362	10.0
p-Phenylenediamine	ND		387	6900

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027229-1 01/28/24 15:30 • (LCSD) R4027229-2 01/28/24 15:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,2,4,5-Tetrachlorobenzene	50.0	27.1	31.5	54.2	63.0	31.0-121			15.0	27
1,2,4-Trichlorobenzene	50.0	20.8	25.4	41.6	50.8	24.0-120			19.9	29
2,2-Oxybis(1-Chloropropane)	50.0	17.3	21.9	34.6	43.8	28.0-120			23.5	31
2,3,4,6-Tetrachlorophenol	50.0	31.9	34.6	63.8	69.2	42.0-132			8.12	22
2,4,5-Trichlorophenol	50.0	29.8	31.3	59.6	62.6	44.0-120			4.91	22
2,4,6-Trichlorophenol	50.0	27.3	29.5	54.6	59.0	42.0-120			7.75	23
2,4-Dichlorophenol	50.0	25.0	27.0	50.0	54.0	36.0-120			7.69	26
2,4-Dimethylphenol	50.0	27.6	32.5	55.2	65.0	33.0-120			16.3	26
2,4-Dinitrophenol	50.0	30.3	34.5	60.6	69.0	10.0-120			13.0	39
2,4-Dinitrotoluene	50.0	32.3	36.8	64.6	73.6	49.0-124			13.0	20
2,6-Dinitrotoluene	50.0	30.9	33.9	61.8	67.8	46.0-120			9.26	21
2-Chloronaphthalene	50.0	21.0	24.5	42.0	49.0	37.0-120			15.4	25
2-Chlorophenol	50.0	17.8	20.9	35.6	41.8	25.0-120			16.0	35
2-Methylnaphthalene	50.0	21.5	24.7	43.0	49.4	33.0-120			13.9	25
2-Methylphenol	50.0	18.6	19.5	37.2	39.0	28.0-120			4.72	29
2-Nitroaniline	50.0	28.7	31.0	57.4	62.0	43.0-120			7.71	22
2-Nitrophenol	50.0	22.3	27.4	44.6	54.8	31.0-120			20.5	29
3&4-Methyl Phenol	50.0	20.4	21.4	40.8	42.8	31.0-120			4.78	30
3,3-Dichlorobenzidine	100	64.1	67.4	64.1	67.4	44.0-120			5.02	20
3-Nitroaniline	50.0	28.4	31.1	56.8	62.2	38.0-120			9.08	21
4,6-Dinitro-2-methylphenol	50.0	34.5	38.8	69.0	77.6	38.0-138			11.7	25
4-Bromophenyl-phenylether	50.0	30.9	33.4	61.8	66.8	45.0-120			7.78	20
4-Chloro-3-methylphenol	50.0	28.3	28.5	56.6	57.0	40.0-120			0.704	21
4-Chloroaniline	50.0	24.5	22.8	49.0	45.6	25.0-120			7.19	25
4-Chlorophenyl-phenylether	50.0	30.3	32.5	60.6	65.0	44.0-120			7.01	20
4-Nitroaniline	50.0	30.9	33.3	61.8	66.6	18.0-160			7.48	21
4-Nitrophenol	50.0	10.4	12.0	20.8	24.0	10.0-120			14.3	33
Acenaphthene	50.0	23.7	26.0	47.4	52.0	41.0-120			9.26	22

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027229-1 01/28/24 15:30 • (LCSD) R4027229-2 01/28/24 15:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acenaphthylene	50.0	23.7	25.9	47.4	51.8	43.0-120			8.87	22
Acetophenone	50.0	20.5	25.8	41.0	51.6	29.0-120			22.9	28
Anthracene	50.0	29.2	32.0	58.4	64.0	45.0-120			9.15	20
Benzo(A)Anthracene	50.0	29.3	33.6	58.6	67.2	47.0-120			13.7	20
Benzo(a)pyrene	50.0	32.2	36.6	64.4	73.2	47.0-120			12.8	20
Benzo(b)fluoranthene	50.0	31.8	37.6	63.6	75.2	46.0-120			16.7	20
Benzo(g,h,i)perylene	50.0	31.0	36.0	62.0	72.0	48.0-121			14.9	20
Benzo(k)fluoranthene	50.0	31.2	34.7	62.4	69.4	46.0-120			10.6	21
Benzyl Alcohol	50.0	21.0	23.4	42.0	46.8	25.0-120			10.8	26
Benzylbutyl phthalate	50.0	29.9	34.5	59.8	69.0	43.0-121			14.3	20
Bis(2-Ethylhexyl)phthalate	50.0	30.3	34.3	60.6	68.6	43.0-122			12.4	20
Bis(2-chlorethoxy)methane	50.0	23.1	26.2	46.2	52.4	33.0-120			12.6	24
Bis(2-chloroethyl)ether	50.0	19.9	24.7	39.8	49.4	23.0-120			21.5	33
Chrysene	50.0	29.6	34.2	59.2	68.4	48.0-120			14.4	20
Di-n-butyl phthalate	50.0	33.4	37.9	66.8	75.8	49.0-121			12.6	20
Di-n-octyl phthalate	50.0	31.3	36.0	62.6	72.0	42.0-125			14.0	20
Dibenz(a,h)anthracene	50.0	33.1	38.2	66.2	76.4	47.0-120			14.3	20
Dibenzofuran	50.0	25.2	27.4	50.4	54.8	44.0-120			8.37	22
Diethyl phthalate	50.0	33.8	38.5	67.6	77.0	48.0-122			13.0	20
Dimethyl phthalate	50.0	32.0	35.2	64.0	70.4	48.0-120			9.52	20
Diphenylamine	50.0	26.6	28.8	53.2	57.6	35.0-120			7.94	20
Fluoranthene	50.0	33.1	37.6	66.2	75.2	51.0-120			12.7	20
Fluorene	50.0	27.8	29.5	55.6	59.0	47.0-120			5.93	20
Hexachloro-1,3-butadiene	50.0	24.3	29.8	48.6	59.6	19.0-120			20.3	32
Hexachlorobenzene	50.0	31.8	34.9	63.6	69.8	44.0-120			9.30	20
Hexachlorocyclopentadiene	50.0	11.6	11.4	23.2	22.8	15.0-120			1.74	31
Hexachloroethane	50.0	18.3	24.4	36.6	48.8	15.0-120			28.6	37
Indeno(1,2,3-cd)pyrene	50.0	32.2	37.6	64.4	75.2	49.0-122			15.5	20
Isophorone	50.0	25.2	27.9	50.4	55.8	36.0-120			10.2	23
Naphthalene	50.0	19.3	23.0	38.6	46.0	27.0-120			17.5	27
Nitrobenzene	50.0	21.8	26.3	43.6	52.6	27.0-120			18.7	29
Pentachlorophenol	50.0	19.3	21.8	38.6	43.6	23.0-120			12.2	25
Phenanthrene	50.0	27.5	30.3	55.0	60.6	46.0-120			9.69	20
Phenol	50.0	9.92	10.8	19.8	21.6	10.0-120			8.49	36
Pyrene	50.0	27.4	31.2	54.8	62.4	47.0-120			13.0	20
n-Nitrosodi-n-propylamine	50.0	23.4	26.8	46.8	53.6	31.0-120			13.5	28
n-Nitrosodimethylamine	50.0	18.6	18.2	37.2	36.4	10.0-120			2.17	40
n-Nitrosodiphenylamine	50.0	26.6	28.8	53.2	57.6	47.0-120			7.94	20
(S) 2-Fluorophenol				25.3	27.1	10.0-120				
(S) 2,4,6-Tribromophenol				66.5	70.5	10.0-155				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4027229-1 01/28/24 15:30 • (LCSD) R4027229-2 01/28/24 15:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
(S) p-Terphenyl-d14				58.5	66.4	10.0-128				
(S) Phenol-d5				23.2	19.0	10.0-120				
(S) 2-Fluorobiphenyl				45.1	48.8	10.0-130				
(S) Nitrobenzene-d5				42.3	50.7	10.0-127				

Laboratory Control Sample (LCS)

(LCS) R4028000-1 01/30/24 13:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
1,3,5-Trinitrobenzene	50.0	38.6	77.2	37.0-147	
1,3-Dinitrobenzene	50.0	31.5	63.0	34.0-120	
1,4-Naphthoquinone	50.0	3.72	7.44	50.0-150	<u>J4</u>
1-Naphthylamine	50.0	23.0	46.0	19.0-120	
2,6-Dichlorophenol	50.0	23.5	47.0	19.0-136	
2-Acetylaminofluorene	50.0	48.9	97.8	32.0-120	
2-Naphthylamine	50.0	13.4	26.8	10.0-120	
3,3-Dimethylbenzidine	50.0	15.4	30.8	13.0-120	
3-Methylcholanthrene	50.0	37.4	74.8	30.0-160	
4-Aminobiphenyl	50.0	25.3	50.6	20.0-120	
5-Nitro-o-toluidine	50.0	38.3	76.6	34.0-120	
Chlorobenzilate	50.0	36.7	73.4	29.0-128	
Diallate	50.0	30.7	61.4	30.0-120	
Dimethoate	50.0	35.3	70.6	11.0-134	
Dimethylbenz (A) Anthracene	50.0	28.0	56.0	14.0-124	
Dinoseb	50.0	37.4	74.8	39.0-120	
Diphenylamine	50.0	32.0	64.0	35.0-120	
Disulfoton	50.0	37.1	74.2	32.0-120	
Ethyl methanesulfonate	50.0	20.3	40.6	10.0-120	
Ethyl parathion	50.0	43.9	87.8	46.0-130	
Famphur	50.0	43.5	87.0	32.0-120	
Hexachloropropene	50.0	17.3	34.6	10.0-120	
Isodrin	50.0	26.5	53.0	22.0-157	
Isosafrole	50.0	25.7	51.4	25.0-133	
Kepone	50.0	32.0	64.0	10.0-120	
Methapyrilene	50.0	6.58	13.2	10.0-120	
Methyl methanesulfonate	50.0	16.5	33.0	10.0-120	
Methyl parathion	50.0	48.3	96.6	42.0-120	
O,O,O-Triethyl Phosphorothioate	50.0	28.5	57.0	11.0-135	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4028000-1 01/30/24 13:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
P-(Dimethylamino) Azobenzene	50.0	35.1	70.2	27.0-120	
Pentachlorobenzene	50.0	23.4	46.8	25.0-120	
Pentachloronitrobenzene	50.0	32.6	65.2	34.0-132	
Phenacetin	50.0	35.0	70.0	34.0-127	
Phorate	50.0	39.5	79.0	13.0-160	
Pronamide	50.0	34.9	69.8	38.0-130	
Safrole	50.0	23.4	46.8	21.0-120	
Thionazin	50.0	41.6	83.2	38.0-121	
n-Nitrosodi-n-butylamine	50.0	32.5	65.0	13.0-143	
n-Nitrosodiethylamine	50.0	22.4	44.8	10.0-120	
n-Nitrosomethylethylamine	50.0	19.9	39.8	10.0-120	
n-Nitrosopiperidine	50.0	21.9	43.8	10.0-160	
n-Nitrosopyrrolidine	50.0	25.2	50.4	10.0-124	
o-Toluidine	50.0	17.8	35.6	10.0-120	
p-Phenylenediamine	50.0	0.0433	0.0866	50.0-150	<u>J4</u>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

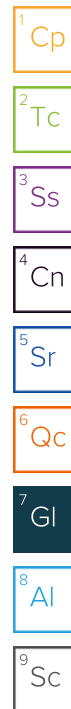
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Company Name/Address:
Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 4 of 5



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>

Report to:
Jodi Reynolds

Email To:
ciara.children.beavers@jettenviro.com;jeffholm

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State Collected: _____ Please Circle:
PT MT CT ET

Phone: **501-993-8966** Client Project # **300** Lab Project # **WMECOVISAR-00013**

Collected by (print): *Ryan Waller* Site/Facility ID # **AR03** P.O. # _____

Collected by (signature): *[Signature]* **Rush?** (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day
 Immediately Packed on Ice N Y X
 Date Results Needed _____ No. of Cntrs _____

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
-----------	-----------	----------	-------	------	------	--------------

LCS-9	grab	GW				16
LCS-10		GW				16
LCS-11		GW				16
LCS-12		GW				16
DUP		GW				16
DUP2		GW				16
LEACHATE-COMPOSITE		GW				16
LGW-2		GW	75.9	1/17/24	1605	16
LGW-3R		GW	58.1	1/18/24	1540	16
LGW-4		GW	61.1	1/19/24	1510	16

V8260LL TB 40mlAmb-HCl-Bik
V8260LLAP9 40mlAmb-HCl
V8260LLAP9 TB 40mlAmb-HCl-Bik
WetChem 125mlHDPE-NoPres

SDG # *U69820*
Table # _____
Acctnum: **WMECOVISAR**
Template: **T243781**
Prelogin: **P1044859**
PM: **616 - Stacy Kennedy**
PB: _____
Shipped Via: **FedEX Ground**
Remarks _____ Sample # (lab only) _____

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks: _____
pH _____ Temp _____
Flow _____ Other _____
Samples returned via: _____ Tracking # _____
 UPS FedEx Courier

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) <i>[Signature]</i>	Date: <i>1/18/24</i>	Time: <i>1630</i>	Received by: (Signature) _____	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature) _____	Date: _____	Time: _____	Received by: (Signature) _____	Temp: _____ °C Bottles Received: _____
Relinquished by: (Signature) _____	Date: _____	Time: _____	Received for lab by: (Signature) <i>[Signature]</i>	Date: <i>1/24/24</i> Time: <i>1300</i>

If preservation required by Login: Date/Time _____
Hold: _____ Condition: NCP / OK

Eco-Vista (Tontitown)LF

88 Joyce Lane
Russellville, AR 72801

Billing Information:
jreyno10@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745

Report to:
Jodi Reynolds

Email To:
ciara.childers.beavers@jettenviro.com;jeffholm

Project Description:
Eco-Vista LF- Tri-Annual Event '18 '21 '24

City/State
Collected:

Please Circle:
PT MT CT ET

Phone: 501-993-8966

Client Project #
300

Lab Project #
WMECOVISAR-00013

Collected by (print):
Ryan Wallen

Site/Facility ID #
AR03

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N ___ Y X

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-7N	grab	GW				16
MW-8N		GW	31.2	1/18/24	1355	15
MW-10N		GW				16
MW-11N		GW	65.6	1/18/24	1450	16
MW-15		GW				16
MW-16		GW				16
MW-17		GW				16
MW-19		GW				16
MW-20		GW				16
MW-21		GW				16

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks:

Samples returned via:
___ UPS ___ FedEx ___ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact: ___ NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N
RAD Screen <0.5 mR/hr: ___ Y ___ N

Relinquished by: (Signature)
[Signature]

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HCL / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)
[Signature]

Date:

Time:

Hold:

Condition:
NCE / OK

V8260LL TB 40mlAmb-HCl-Bik

V8260LLAP9 40mlAmb-HCl

V8260LLAP9 TB 40mlAmb-HCl-Bik

WetChem 125mlHDPE-NoPres

Analysis / Container / Preservative

Chain of Custody Page 2 of 3



MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody
constitutes acknowledgment and acceptance of the
Pace Terms and Conditions found at:
https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # *LL98720*

Table #

Acctnum: WMECOVISAR

Template: T243781

Prelogin: P1044859

PM: 616 - Stacy Kennedy

PB:

Shipped Via: FedEX Ground

Remarks | Sample # (lab only)

61

12

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-11N
 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:

PURGE INFO
 PURGE DATE: 01/18/24 PURGE TIME: 14:30 ELAPSED HRS:
 WATER VOL IN CASING: ACTUAL VOL PURGED: WELL VOLS PURGED:
(MM DD YY) (2400 Hr Clock) (hrs:min) (Gallons) (Gallons) (ft/msl)
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Purging Device: C A- Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or N 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other:
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl) Depth to Water (DTW) (from TOC): 6100 (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: PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		14:35	200 1 st	6.37	443	12.4	4.5	4.0	97.5
	14:40	200 2 nd	6.87	366	13.3	3.7	5.4	87.1	62.7
	14:45	200 3 rd	7.16	360	13.5	3.6	6.3	83.3	63.9
	14:50	200 4 th	7.14	361	13.5	3.6	6.6	86.4	65.6

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/18/24 pH (std): 7.14 CONDUCTANCE (umhos/cm @ 25°C): 361 TEMP. (°C): 13.5 TURBIDITY (ntu): 3.6 DO (mg/L-ppm): 6.6 eH/ORP (mV): 86.4 Other:
 Units:
Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: overcast 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):
1/18/24 Ryan Wallen Ju An PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: MW-8N
Sample ID

This Waste Management Field Information Form is Required
 This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: _____

PURGE INFO
 PURGE DATE (MM DD YY): 01/18/24
 PURGE TIME (2400 Hr Clock): 13:40
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A- Submersible Pump D-Bailer
 B- Peristaltic Pump E-Piston Pump
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other: _____
 Filter Device: Y or 0.45 μ or _____ μ (circle or fill in)
 Filter Type: _____
 Sample Tube Type: D A-Teflon C-PVC X-Other: _____
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 24.75 (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 PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>13:45</u>	<u>350</u> 1 st	<u>6.57</u> 1 st	<u>528</u>	<u>13.7</u>	<u>43</u>	<u>0.5</u>	<u>593</u>	<u>31.2</u>
<u>13:50</u>	<u>350</u> 2 nd	<u>6.33</u> 2 nd	<u>490</u>	<u>13.6</u>	<u>38</u>	<u>0.5</u>	<u>734</u>	<u>31.2</u>
<u>13:55</u>	<u>350</u> 3 rd	<u>6.30</u> 3 rd	<u>484</u>	<u>14.1</u>	<u>34</u>	<u>0.4</u>	<u>841</u>	<u>31.2</u>

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.

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
<u>01/18/24</u>	<u>6.30</u>	<u>484</u>	<u>14.1</u>	<u>34</u>	<u>0.4</u>	<u>841</u>	

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: NO 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):
1/18/24 Ryan Wallen [Signature] PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF

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: _____

Site No.: Sample Point: NE-SIE
Sample ID

PURGE INFO
 PURGE DATE (MM DD YY): 011824 PURGE TIME (2400 Hr Clock): 11:15 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons): ACTUAL VOL PURGED (Gallons): WELL VOL PURGED (Gallons):

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or Filter Device: or 0.45 μ or _____ μ (circle or fill in)
 Purging Device: C A- Submersible Pump D-Bailer A-In-line Disposable C-Vacuum
 B-Peristaltic Pump E-Piston Pump B-Pressure X-Other _____
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle Filter Type: _____
 X-Other: _____ Sample Tube Type: D A-Teflon C-PVC X-Other: _____
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) _____ (ft/msl) Depth to Water (DTW) (from TOC) 67.83 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:25	300 1 st	6.65 1 st	673	12.8	1205.2	2.4	-430	64.8
11:30	300 2 nd	6.65 2 nd	680	13.4	456.3	1.9	-7.1	70.4
11:35	300 3 rd	6.62 3 rd	673	13.8	218.2	1.6	-1.5	70.9
11:40	300 4 th	6.62 4 th	665	13.8	80.2	1.5	-3.3	71.5
11:45	300	6.60	640	13.8	32.1	1.4	-13.6	71.8

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. -, Turbidity -, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: _____
011824	6.60	640	13.8	32.1	1.4	-13.6	Units: _____

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: grains of sand but clear Odor: NO Color: Reddish 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):
Red Material in water

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):
1.18.24 Ryan Wallen [Signature] PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

ORIGINAL COPY

FIELD INFORMATION FORM



Site Name: EVLF
 Site No.:
 Sample Point: NE-5W
 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:

PURGE INFO
 PURGE DATE (MM DD YY): 01/18/24
 PURGE TIME (2400 Hr Clock): 09:50
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: Y or N
 Purging Device: C A-Submersible Pump D-Bailer
 Sampling Device: C B-Peristaltic Pump E-Piston Pump
 X-Other: C-QED Bladder Pump F-Dipper/Bottle
 Filter Device: Y or 0.45 μ or μ (circle or fill in)
 Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 71.93 (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 PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25°C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
		<u>09:55</u>	<u>350</u> 1 st	<u>6.13</u> 1 st	<u>698</u>	<u>120</u>	<u>121.6</u>	<u>7.4</u>	<u>177.4</u>
	<u>10:00</u>	<u>350</u> 2 nd	<u>6.48</u> 2 nd	<u>705</u>	<u>124</u>	<u>48.4</u>	<u>4.4</u>	<u>168.6</u>	<u>73.4</u>
	<u>10:05</u>	<u>350</u> 3 rd	<u>6.53</u> 3 rd	<u>704</u>	<u>132</u>	<u>64.4</u>	<u>3.3</u>	<u>165.7</u>	<u>74.4</u>
	<u>10:10</u>	<u>350</u> 4 th	<u>6.56</u> 4 th	<u>698</u>	<u>131</u>	<u>26.3</u>	<u>2.2</u>	<u>161.4</u>	<u>75.4</u>

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize
Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA	SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
	<u>01/18</u>	<u>6.56</u>	<u>698</u>	<u>131</u>	<u>26.3</u>	<u>2.2</u>	<u>161.4</u>	<u> </u>

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: NO Color: clear Other:
 Weather Conditions (required daily, or as conditions change): 33° Direction/Speed: S 3mph Outlook: clear 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):
1/18/24 Ryan Waller
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



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:

PURGE INFO
 PURGE DATE (MM DD YY): 01/17/24
 PURGE TIME (2400 Hr Clock): 15745
 ELAPSED HRS (hrs:min):
 WATER VOL IN CASING (Gallons):
 ACTUAL VOL PURGED (Gallons):
 WELL VOLS PURGED:
Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or **Filter Device:** 0.45 μ or μ (circle or fill in)
 Purging Device: C A- Submersible Pump D-Bailer **Filter Type:** A-In-line Disposable C-Vacuum
 Sampling Device: C B-Peristaltic Pump E-Piston Pump B-Pressure X-Other
 X-Other: Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC) (ft/msl) **Depth to Water (DTW) (from TOC)** 7445 (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** PVC
Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (umhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
15550	300 1 st	6.67	1001	10.6	1.4	4.9	106.1	74.3
15555	300 2 nd	6.70	483	11.4	1.4	5.4	107.8	74.8
16000	300 3 rd	6.70	979	11.5	1.4	5.6	108.9	75.4
16005	300 4 th	6.70	974	11.9	1.0	5.8	110.3	75.9

Suggested range for 3 consec. readings or note Permit/State requirements:
 pH: +/- 0.2 Conductance: +/- 3% Temp: -- Turbidity: -- D.O.: +/- 10% eH/ORP: +/- 25 mV DTW: Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 01/17/24
 pH (std):
 CONDUCTANCE (umhos/cm @ 25°C):
 TEMP. (°C):
 TURBIDITY (ntu):
 DO (mg/L-ppm):
 eH/ORP (mV):
 Other: Units:

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
1.17.24 Ryan Wallen Jen Kim PROMUS
 Date Name Signature Company

FIELD INFORMATION FORM



Site Name: EVZF

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: _____

Site No.: Sample Point: NE-7
 Sample ID

PURGE INFO
 PURGE DATE: 0111724 (MM DD YY)
 PURGE TIME: 13:35 (2400 Hr Clock)
 ELAPSED HRS: (hrs:min)
 WATER VOL IN CASING: (Gallons)
 ACTUAL VOL PURGED: (Gallons)
 WELL VOLs PURGED:

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT
 Purging and Sampling Equipment ... Dedicated: or N
 Filter Device: Y or 0.45 μ or μ (circle or fill in)
 Purging Device: C A- Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 Sampling Device: C C-QED Bladder Pump F-Dipper/Bottle
 X-Other:
 Filter Type:
 A-In-line Disposable C-Vacuum
 B-Pressure X-Other
 Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA
 Well Elevation (at TOC): (ft/msl)
 Depth to Water (DTW) (from TOC): 61.50 (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: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (μmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>12:45</u>	<u>500</u> 1 st	<u>6.52</u> 1 st	<u>738</u>	<u>13.9</u>	<u>468</u>	<u>5.1</u>	<u>1196</u>	<u>62.1</u>
<u>13:50</u>	<u>500</u> 2 nd	<u>6.21</u> 2 nd	<u>701</u>	<u>13.9</u>	<u>1123</u>	<u>3.5</u>	<u>1227</u>	<u>62.1</u>
<u>13:55</u>	<u>500</u> 3 rd	<u>6.17</u> 3 rd	<u>706</u>	<u>14.0</u>	<u>709</u>	<u>3.2</u>	<u>1254</u>	<u>62.1</u>
<u>14:00</u>	<u>500</u> 4 th	<u>6.16</u> 4 th	<u>709</u>	<u>14.0</u>	<u>552</u>	<u>3.2</u>	<u>1260</u>	<u>62.1</u>

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA
 SAMPLE DATE (MM DD YY): 0111724
 pH (std): 6.16
 CONDUCTANCE (umhos/cm @ 25°C): 709
 TEMP. (°C): 14.0
 TURBIDITY (ntu): 552
 DO (mg/L-ppm): 3.2
 eH/ORP (mV): 1260
 Other: Units

Final Field Readings are required (i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site).

Sample Appearance: clear Odor: NO 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):
1.17.24 Ryan Walker [Signature] PROMUS
 Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

FIELD INFORMATION FORM



Site Name: EVLF

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).

Site No.:

Sample Point: NE-1
 Sample ID

Laboratory Use Only/Lab ID:

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
<u>01/17/24</u>	<u>12:20</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: or N

Filter Device: Y or 0.45 μ or μ (circle or fill in)

Purging Device: C A- Submersible Pump D-Bailer
 B-Peristaltic Pump E-Piston Pump
 C-QED Bladder Pump F-Dipper/Bottle

Filter Type: A-In-line Disposable C-Vacuum
 B-Pressure X-Other

Sampling Device: C
 X-Other:

Sample Tube Type: D A-Teflon C-PVC X-Other:
 B-Stainless Steel D-Polypropylene

WELL DATA

Well Elevation (at TOC) (ft/msl) Depth to Water (DTW) (from TOC) 46.17 (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 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) (μ mhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
<u>12:20</u>	<u>400</u> 1 st	<u>6.77</u> 1 st	<u>713</u>	<u>14.6</u>	<u>7.6</u>	<u>8.3</u>	<u>131.1</u>	<u>48.4</u>
<u>12:25</u>	<u>400</u> 2 nd	<u>6.95</u> 2 nd	<u>710</u>	<u>14.5</u>	<u>5.9</u>	<u>8.1</u>	<u>124.1</u>	<u>49.2</u>
<u>12:30</u>	<u>400</u> 3 rd	<u>7.07</u> 3 rd	<u>718</u>	<u>14.5</u>	<u>4.3</u>	<u>7.8</u>	<u>116.4</u>	<u>49.65</u>
<u>12:35</u>	<u>400</u> 4 th	<u>7.09</u> 4 th	<u>715</u>	<u>14.4</u>	<u>4.9</u>	<u>7.8</u>	<u>113.3</u>	<u>49.7</u>
<u>12:40</u>	<u>400</u>	<u>7.11</u>	<u>713</u>	<u>14.4</u>	<u>2.3</u>	<u>7.8</u>	<u>79.7</u>	<u>49.75</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Suggested range for 3 consec. readings or note Permit/State requirements: pH +/- 0.2, Conductance +/- 3%, Temp. --, Turbidity --, D.O. +/- 10%, eH/ORP +/- 25 mV, DTW Stabilize

Stabilization Data Fields are Optional (i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (μ mhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
<u>01/17/24</u>	<u>7.11</u>	<u>713</u>	<u>14.4</u>	<u>2.3</u>	<u>7.8</u>	<u>79.7</u>	<u> </u>

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: NO Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: SW-10mph Outlook: clear Precipitation: Y or

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):

1/17/24 Ryan Wallen [Signature] PROMUS

Date Name Signature Company

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client

1/24/24 - NCF L1698420 WMECOVISAR

R5

Time estimate: oh

Time spent: oh

Members

- MS Matthew Shacklock (responsible)
- SK Stacy Kennedy

- Parameter(s) past holding time
- Temperature not in range
- Improper container type
- pH not in range
- Insufficient sample volume
- Sample is biphasic
- Vials received with headspace
- Broken container
- Sufficient sample remains
- If broken container: Insufficient packing material around container
- If broken container: Insufficient packing material inside cooler
- If broken container: Improper handling by carrier: _____
- If broken container: Sample was frozen
- If broken container: Container lid not intact
- Client informed by Call
- Client informed by Email
- Client informed by Voicemail
- Date/Time: _____
- PM initials: _____
- Client Contact: ___Chris Fincher/Steve Jett_____

Comments

Matthew Shacklock *24 January 2024 3:08 PM*

Following IDs received broken containers.
 NE-1 - 1 liter amber, 1-100ml, 1-40ml HCL
 NE-5 - 1-40ml HCL
 NE-6 - 1 liter amber
 NE-6D - 1-100ml
 NE-7 - 1 liter amber
 LGW-2 - 1 liter amber
 LGW-3R - 1 liter amber
 LGW-4 - 1-100ml, 1 liter amber
 MW-8N - 1-40ml HCL
 MW-11N - 1 liter amber
 2 of 3 trip blanks received broken

1698420

Stacy Kennedy

24 January 2024 8:58 PM

Noted. Continue with intact containers.

Matthew Shacklock

25 January 2024 8:03 AM

Done