Florence Copper LLC
1575 W. Hunt Highway
Florence AZ USA 85132
florencecopper.com

July 28, 2024

U.S. Environmental Protection Agency, Region 9
Drinking Water Protection Section (WTR 4-2)
75 Hawthorne Street
San Francisco, California 94105

Attention: David Albright, Manager, Ground Water Office

Subject: Second Quarter 2024 Monitoring Report
Underground Injection Control (UIC) Permit No. R9UIC-AZ3-FY19-1

Dear Mr. Albright:

Florence Copper LLC (Florence Copper) is regulated under UIC Permit No. R9UIC-AZ3-FY19-1, issued October 31, 2023, and modified on July 9, 2024. Florence Copper has not constructed most of the facilities authorized under this permit. Florence Copper was authorized to construct and operate a feasibility scale In-Situ Copper Recovery (ISCR) facility referred to as the Production Test Facility (PTF) under a previous UIC permit. The PTF is now incorporated into UIC Permit No. R9UIC-AZ3-FY19-1. The PTF began active operations on December 15, 2018, and began a rinsing demonstration on June 26, 2020. The ongoing rinsing demonstration activity is regulated under the UIC permit.

Background Information

The Florence Copper Project is an in-situ copper extraction facility with two related permits issued by the U.S. Environmental Protection Agency (USEPA) and the Arizona Department of Environmental Quality (ADEQ):

- **USEPA UIC Permit No. R9UIC-AZ3-FY19-1**, dated October 31, 2023, and modified on July 9, 2024, the UIC permit covers all present and future ISCR operations.

- **ADEQ Aquifer Protection Permit (APP) No. P-101704 (LTF 102081)**, dated June 27, 2024, covers all present and future ISCR operations.

The authorized facilities and monitoring wells are identified on Figure 1. The configuration of the PTF wellfield, the only active ISCR wellfield at the site, is shown on Figure 2.

Florence Copper received authorization to proceed with pre-operational activities for the PTF on July 13, 2017. The PTF wellfield was completed and began operations on December 15, 2018. The rinsing activities for the PTF began on June 26, 2020. Solutions from the wellfield continued to be processed through the Solvent Extraction/Electrowinning (SX/EW) plant to produce copper until October 29, 2020. Wellfield rinsing activities are ongoing at the facility.

The requirements for quarterly reporting of monitoring activities are outlined in Section II.G.2 of the UIC permit. Reporting for the APP is performed separately. However, some information pertains to both APP and UIC permits and is reported accordingly.

ISCR Operations and Monitoring Quarterly Reporting

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.a – Map of Operational Status and Groundwater Contours**
  The monthly groundwater contour maps are included as Attachment 1. The operational status of the PTF facility was ACTIVE during Q2 2024 while rinsing is ongoing.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.b – Table and Graphs of Injected and Recovered Volumes**
  The daily cumulative injection and recovery volumes and the daily percent recovery to injection volume values are provided in tabular and graphical format in Attachment 2. Throughout Q2 2024, the extracted volume has consistently exceeded the injected volume by 6 percent or more, and the monthly average injection rate remained below the 12,650-gallon-per-minute limit.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.c – Table and Graphs of the Well Head Measurements in the PTF**
  The daily average head measurement values for the observation wells and recovery wells are provided in tabular and graphical format in Attachment 3. The hydraulic gradient has been maintained with a greater than 1-foot differential as a daily average for all paired wells throughout Q2 2024. Well locations are shown on Figures 1 and 2.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.d – Table and Graphs of Fluid Electrical Conductivity Measurements**
  Fluid electrical conductivity (EC) values are provided in tabular and graphical format in Attachment 4. As expected, fluid EC in the injection and observation wells was comparable during the monitoring period. Throughout the monitoring period, the PTF wellfield was being rinsed and no injection of ISCR fluids took place. In accordance with Section II.F.6.b of the UIC permit, Florence Copper will propose specific conductance alert levels (AL) before commencement of operations of the commercial ISCR facility.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.e – Table and Graphs of Monitor Well Water Levels and Analytical Results**
  The Q2 2024 Compliance Monitoring Report is provided in Attachment 5 and presents the tabular results of groundwater elevations, analytical results, field parameters, and ALs and aquifer quality limits (AQL) for wells regulated under the UIC permit and APP. The Compliance Monitoring Report also provides a narrative summary of the Q2 2024 monitoring activities, a discussion of exceedances, and graphical presentation of monitoring results for parameters since the inception of monitoring.

  Annular conductivity device (ACD) monitoring for demonstration of mechanical integrity is reported in Attachment 9. ACD monitoring of hydraulic control and ISCR fluid movement was not conducted during the reporting period and will be reported in future quarterly compliance reports in Attachment 10 after installation of new wells with ACDs.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.f – Results of Monthly Lixiviant Organic Analysis**
  The analytical results for monthly lixiviant organic analysis are provided in tabular format in Attachment 6. Total monthly organic concentrations were below the maximum allowable average in Q2 2024.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.g – Results of Monitoring Required if Injection Fluid is Modified**
  During Q2 2024, rinsing activities continued in the PTF. As part of the ongoing rinsing activities, sodium bicarbonate was added to the rinsing injection fluid beginning on January 26, 2022. Routine monthly analysis of the rinsing solution was completed during Q2 2024 and will continue throughout the rinsing demonstration.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.h – Results of Mechanical Integrity Testing**
  Temperature logging of multi-level sampling wells WB-01, WB02, WB-03, and WB-04 were conducted during Q2 2024 to demonstrate mechanical integrity. A summary of results is provided in Attachment 7. Temperature logs in each of the four multi-level sampling wells showed no anomalies that indicate casing leaks or fluid flow outside of the well casings.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.i – Analytical Results for Monthly Treated Water Samples**
  Monthly analytical results for samples of the treated water are provided in Attachment 8.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.j – Results of ACD Monitoring for Demonstration of Mechanical Integrity**
  The results of the Q2 2024 well bore annular EC monitoring are provided in Attachment 9. Per Section II.G.2.e of the UIC permit, graphical presentation of the monitoring results since the inception of monitoring is provided for the ACD data.

Currently, ACDs are only installed in observation wells. Once available, ACD monitoring in injection, recovery, and perimeter wells will be provided in Attachment 9 of future quarterly reports.

The previously observed annular EC measured resistivity values differ from Q2 2024 values in various observation wells. Florence Copper conducted an investigation to determine the cause of variability and determined increases and decreases in values are a result of electrical noise associated with changes in the operation of electrical equipment in the wellfield.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.k – Results of ACD Monitoring for Demonstration of Hydraulic Control and Protection of the Lower Basin Fill Unit and the Upper Basin Fill Unit from vertical ISCR Fluid Movement**
  No ISCR wells or ACDs were installed, and no ISCR fluids were injected during Q2 2024. Consequently, ACD monitoring of hydraulic control and ISCR fluid movement was not conducted during the reporting period. In accordance with Section II.F.5. of the UIC permit, Florence Copper will complete and submit the results of an ACD demonstration before commencing operation of the commercial ISCR facility. Future ACD results related to hydraulic control and the movement of ISCR fluid will be provided in Attachment 10.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.l – Summary of Plugging and Abandonment Activity**
  A total of 14 core holes and four wells were abandoned during Q2 2024. All 14 abandonments were located within the Area of Review for the UIC permit during Q2 2024. The Well Abandonment Report is provided in Attachment 11.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.m – Summary of Rinsing and Closure Operations**
  The SX/EW plant ceased operation on October 29, 2020. PTF wellfield rinsing began in 2020 and continued through Q2 2024. No closure of UIC authorized facilities were initiated in this monitoring period.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.n – Table of Monthly Casing Annulus and Injection Pressures**
  Monthly maximum, minimum, and average injection pressures are provided in Attachment 12. No exceedances of the injection pressure limit occurred during Q2 2024.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Section II.G.2.o – Resource Block Status Report**
  While the PTF wellfield continues rinsing activities, Florence Copper began well construction and planning phases for the surrounding resource blocks. The status of portions of a resource block may be different during the reporting period (i.e., rinsing, planned, or under construction) because of the location of wells. A resource block status summary table and figure are provided in Attachment 13.

- **UIC Permit No. R9UIC-AZ3-FY19-1 Appendix H – Migratory Bird Landings and Mortality**
  Daily inspection of the Process Solution Impoundment was conducted to record any migratory bird landings and/or identify any migratory bird mortality. A deceased American Coot was retrieved from the BHP Pond on April 4, 2024. The avian mortality was reported to US Fish and Wildlife Service (USFWS) on April 5. A follow-up letter was sent to USFWS and no further actions were necessary. The letter provided to USFWS is included in Attachment 14.

Please call (520) 374-3984 with any questions regarding the content of this document.

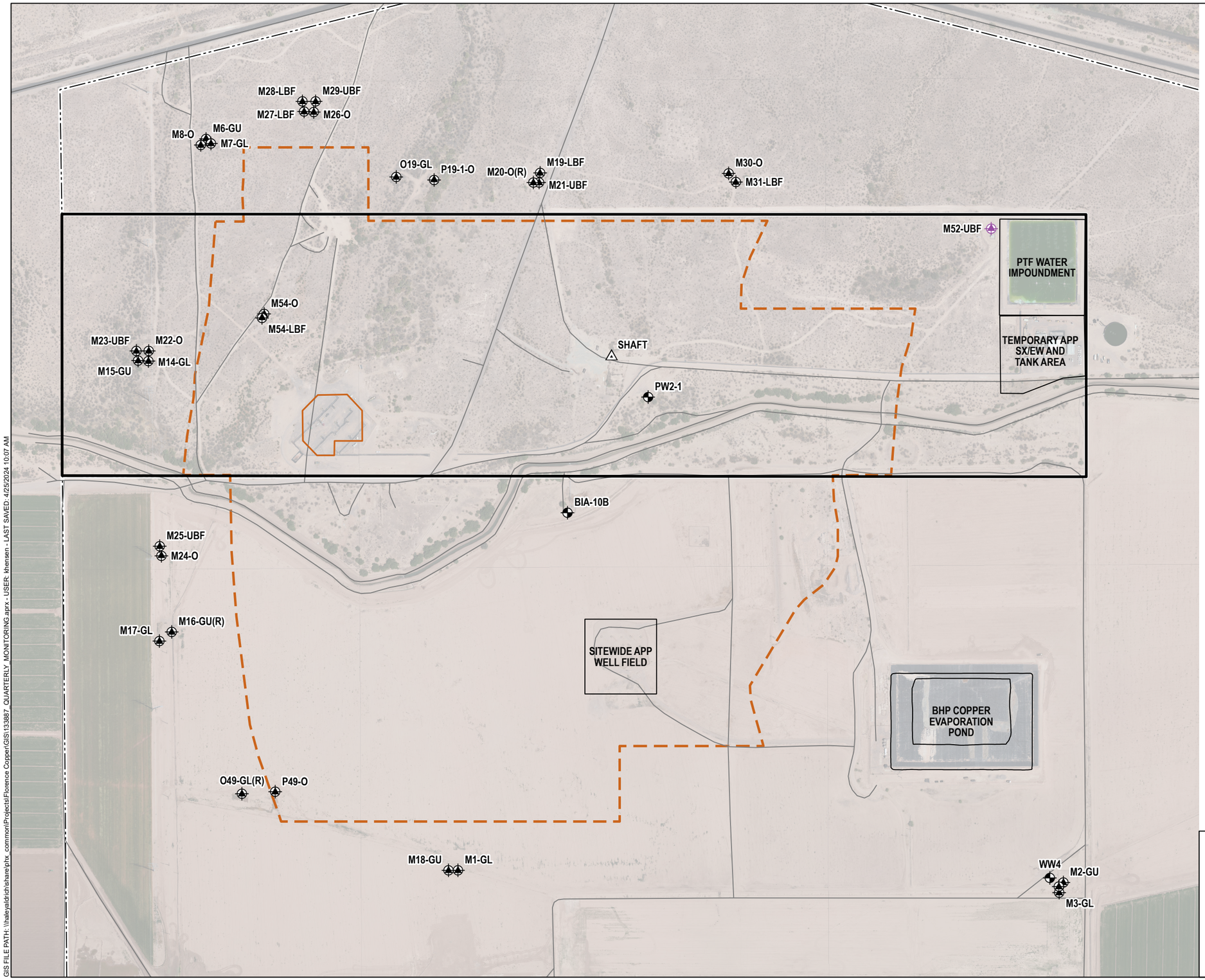
Sincerely,
Florence Copper LLC

John Mays
General Manager

Enclosures:

Figure 1 – Groundwater Monitoring Area
Figure 2 – PTF Wellfield
Attachment 1 – Map of Operational Status and Groundwater Contours
Attachment 2 – Table and Graphs of Injected and Recovered Volumes
Attachment 3 – Table and Graphs of the Well Head Measurements
Attachment 4 – Table and Graphs of Fluid Electrical Conductivity Measurements
Attachment 5 – Table and Graphs of Monitor Well Water Levels and Analytical Results
Attachment 6 – Results of Monthly Lixiviant Organic Analysis
Attachment 7 – Results of Mechanical Integrity Testing
Attachment 8 – Results for Monthly Treated Water Samples
Attachment 9 – Results of Annular Conductivity Device Monitoring of Mechanical Integrity
Attachment 10 – Results of Annular Conductivity Device Monitoring of Hydraulic Control and ISCR Fluid Movement *(Placeholder – Not Applicable for this Monitoring Period)*
Attachment 11 – Summary of Plugging and Abandonment
Attachment 12 – Table of Monthly Casing Annulus and Injection Pressures
Attachment 13 – Resource Block Status Report
Attachment 14 – Migratory Bird Landings

FIGURES



LEGEND

- PRODUCTION WELL
- APP AND UIC POINT OF COMPLIANCE (POC) WELL
- APP POC WELL
- SHAFT
- STATE LEASE BOUNDARY
- PRODUCTION TEST FACILITY (PTF) WELL FIELD
- IN-SITU COPPER RECOVERY (ISCR) WELL FIELD
- PROPERTY BOUNDARY

NOTES

1. APP PERMIT NO. 101704, LTF 88973
2. UIC PERMIT NO: R9UIC-AZ3-FY19-1
3. AERIAL IMAGERY SOURCE: UNMANNED AERIAL VEHICLE (UAV), FLORENCE COPPER, 7 FEBRUARY 2022

0 500 1,000
SCALE IN FEET

HALEY ALDRICH

FLORENCE COPPER LLC
FLORENCE, ARIZONA

GROUNDWATER MONITORING AREA

Florence Copper

JULY 2024

FIGURE 1

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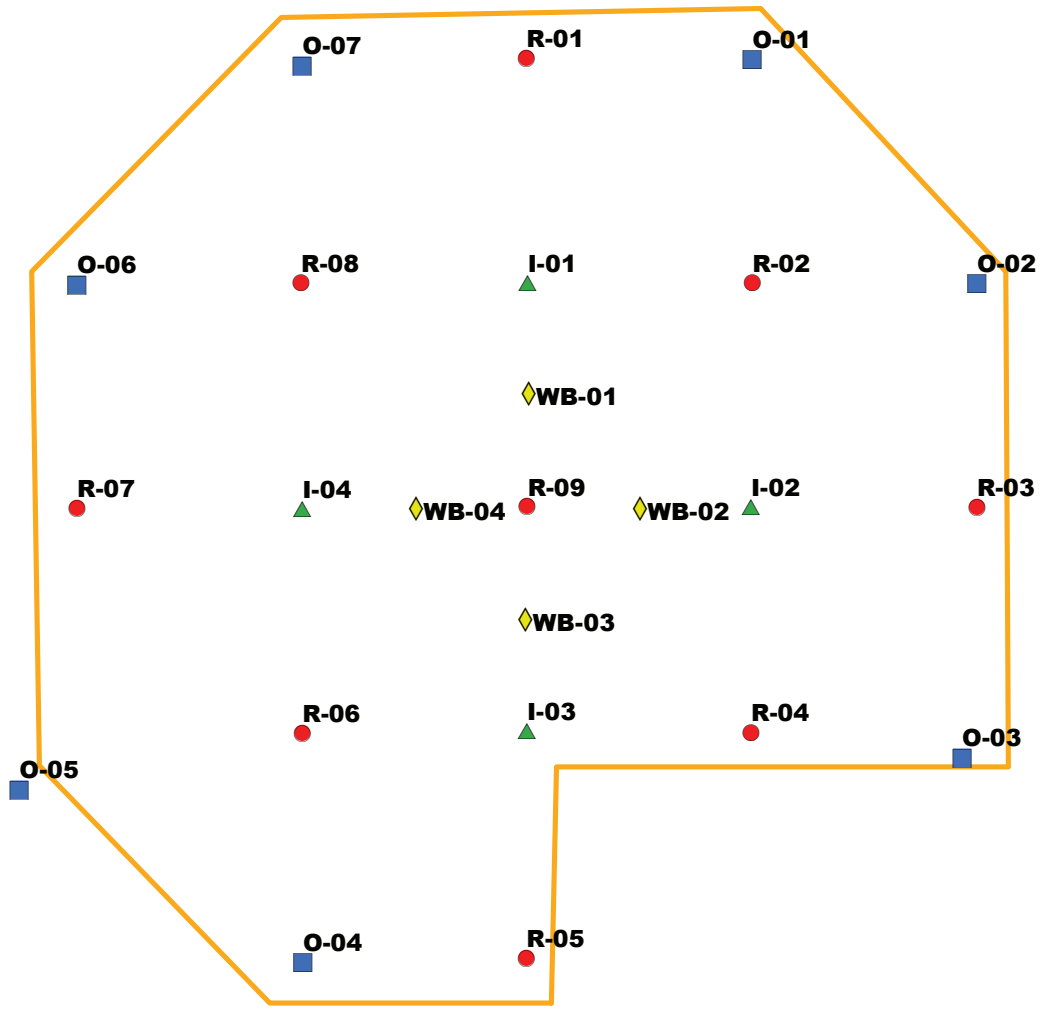


LEGEND

- INJECTION WELL
- OBSERVATION WELL
- RECOVERY WELL
- WESTBAY WELL
- PTF WELLFIELD

NOTES

1. ALL LOCATIONS AND DIMENSIONS APPROXIMATE

N

0 30 60
SCALE IN FEET

HALEY ALDRICH

FLORENCE COPPER LLC
FLORENCE ARIZONA

PTF WELLFIELD

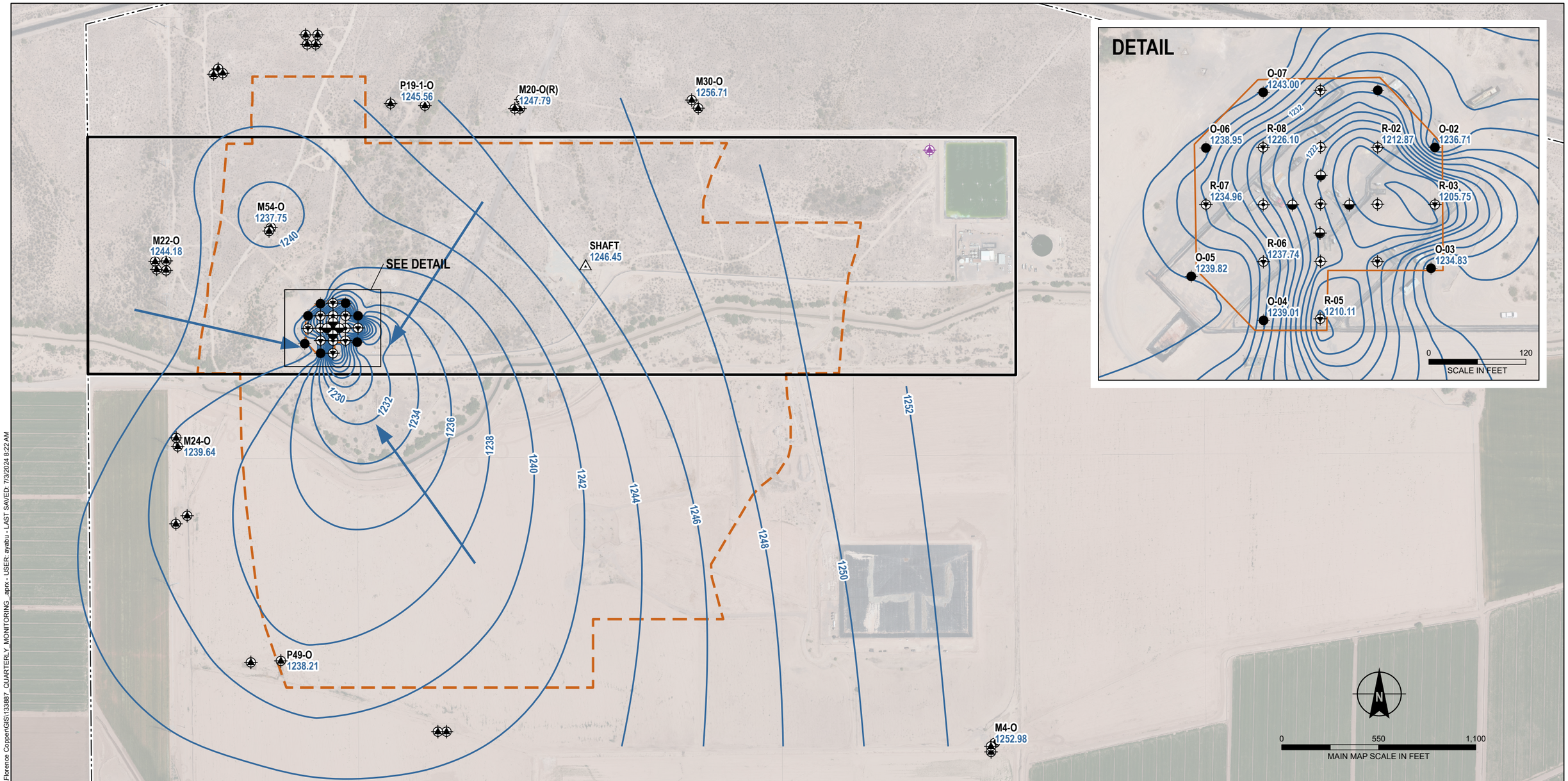
Florence Copper

JULY 2024

FIGURE 2

ATTACHMENT 1

Map of Operational Status and Groundwater Contours



LEGEND

- OBSERVATION WELL
- INJECTION WELL
- RECOVERY WELL
- WESTBAY WELL
- APP AND UIC POINT OF COMPLIANCE (POC) WELL
- APP POC WELL
- SHAFT
- GROUNDWATER ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- STATE LEASE BOUNDARY
- PRODUCTION TEST FACILITY (PTF) WELL FIELD
- IN-SITU COPPER RECOVERY (ISCR) WELL FIELD
- PROPERTY BOUNDARY

NOTES

1. APP PERMIT NO. 101704, LTF 88973
2. UIC PERMIT NO: R9UIC-AZ3-FY19-1
3. WATER LEVEL DATA WAS COLLECTED IN 8 APRIL 2024.
4. WELL R-01 AND R-04 WERE OFF DUE TO RECONDITIONING.
5. WELLS WITH IDs AND **GROUNDWATER ELEVATION** WERE USED IN CONTOURING.
6. AERIAL IMAGERY SOURCE: UNMANNED AERIAL VEHICLE (UAV), FLORENCE COPPER, 7 FEBRUARY 2022

HALEY ALDRICH

FLORENCE COPPER, LLC
FLORENCE, ARIZONA

QUARTERLY CONTOUR MAP
APRIL 2024

Florence Copper

JULY 2024

FIGURE 1

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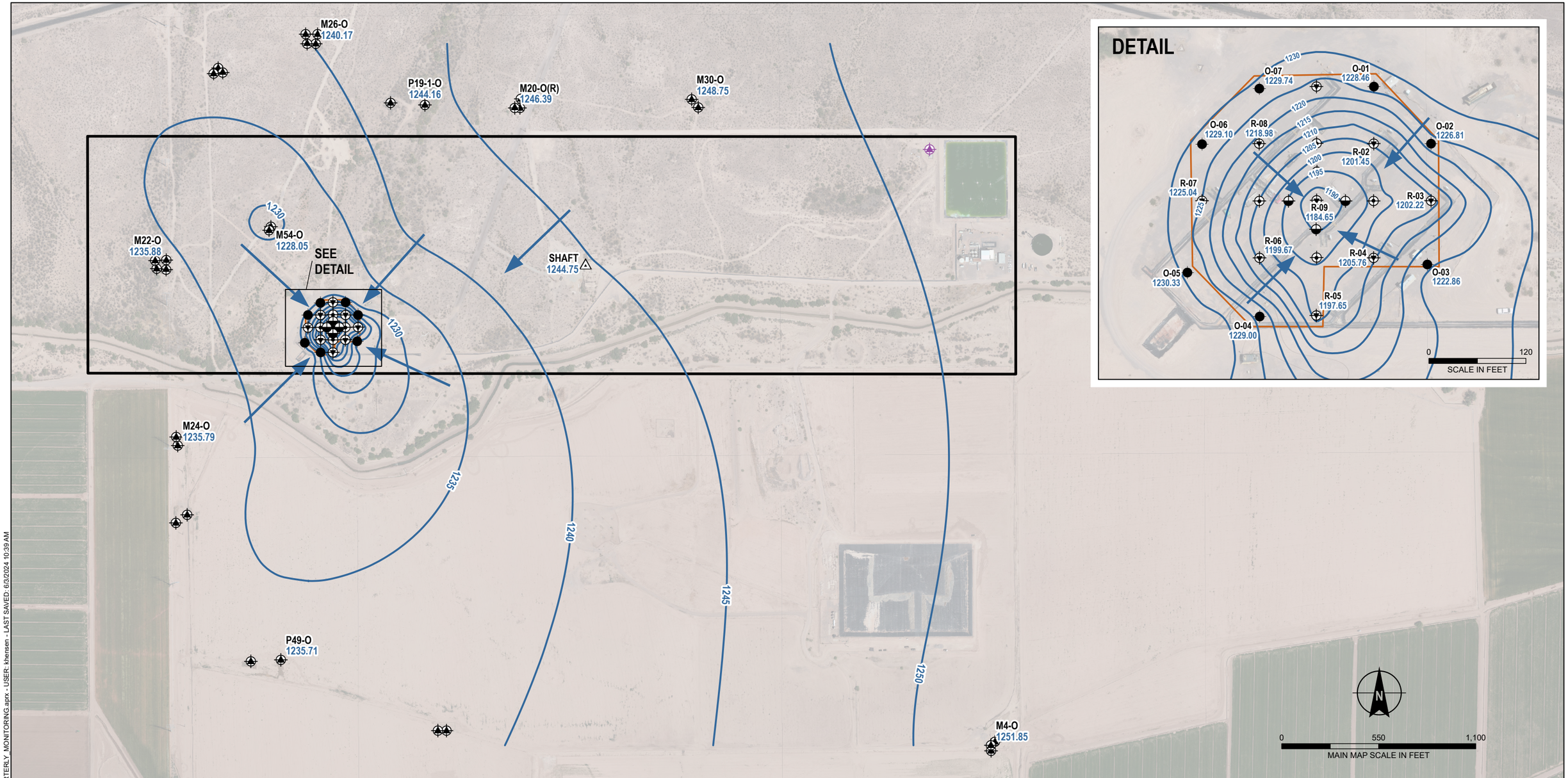

LEGEND

- OBSERVATION WELL
- INJECTION WELL
- RECOVERY WELL
- WESTBAY WELL
- APP AND UIC POINT OF COMPLIANCE (POC) WELL
- APP POC WELL
- SHAFT
- GROUNDWATER ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
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NOTES

1. APP PERMIT NO. 101704, LTF 88973
2. UIC PERMIT NO: R9UIC-AZ3-FY19-1
3. WATER LEVEL DATA WAS COLLECTED IN 14 MAY 2024.
4. WELL R-01 WAS OFF DUE TO RECONDITIONING.
5. WELLS WITH IDs AND **GROUNDWATER ELEVATION** WERE USED IN CONTOURING.
6. AERIAL IMAGERY SOURCE: UNMANNED AERIAL VEHICLE (UAV), FLORENCE COPPER, 7 FEBRUARY 2022

HALEY ALDRICH

FLORENCE COPPER, LLC
FLORENCE, ARIZONA

QUARTERLY CONTOUR MAP
MAY 2024

Florence Copper

JULY 2024

FIGURE 2

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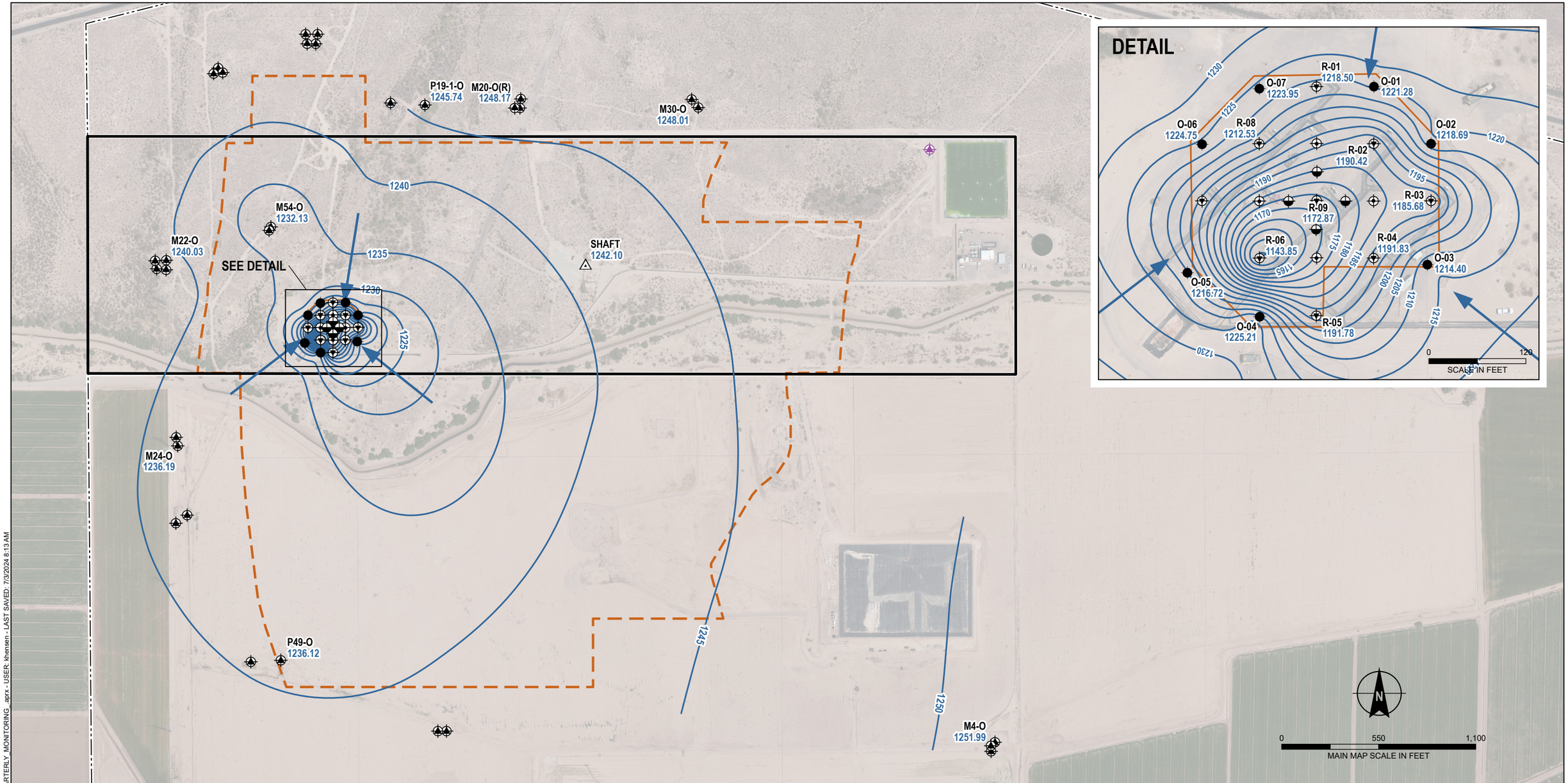

LEGEND

- OBSERVATION WELL
- INJECTION WELL
- RECOVERY WELL
- WESTBAY WELL
- APP AND UIC POINT OF COMPLIANCE (POC) WELL
- APP POC WELL
- SHAFT
- GROUNDWATER ELEVATION CONTOUR, IN FEET, DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- STATE LEASE BOUNDARY
- PRODUCTION TEST FACILITY (PTF) WELL FIELD
- IN-SITU COPPER RECOVERY (ISCR) WELL FIELD
- PROPERTY BOUNDARY

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NOTES

1. APP PERMIT NO. 101704, LTF 88973
2. UIC PERMIT NO: R9UIC-AZ3-FY19-1
3. WATER LEVEL DATA WAS COLLECTED IN 3 JUNE 2024.
4. WELL R-07 WAS OFF DUE TO RECONDITIONING.
5. WELLS WITH IDs AND **GROUNDWATER ELEVATION** WERE USED IN CONTOURING.
6. AERIAL IMAGERY SOURCE: UNMANNED AERIAL VEHICLE (UAV), FLORENCE COPPER, 7 FEBRUARY 2022

HALEY ALDRICH

FLORENCE COPPER, LLC
FLORENCE, ARIZONA

QUARTERLY CONTOUR MAP
JUNE 2024

Florence Copper

JULY 2024

FIGURE 3

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ATTACHMENT 2

Table and Graphs of Injected and Recovered Volumes

Table 1. April 2024 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Recovery/Injection Ratio	Percent Recovery (%)
4/1/2024	69,500	139,200	2.00	200
4/2/2024	76,400	140,500	1.84	184
4/3/2024	73,000	140,500	1.92	192
4/4/2024	74,400	140,100	1.88	188
4/5/2024	76,600	138,100	1.80	180
4/6/2024	79,800	146,200	1.83	183
4/7/2024	79,700	144,900	1.82	182
4/8/2024	95,500	154,700	1.62	162
4/9/2024	95,500	154,700	1.62	162
4/10/2024	88,700	145,700	1.64	164
4/11/2024	75,900	120,900	1.59	159
4/12/2024	94,500	143,400	1.52	152
4/13/2024	100,400	147,900	1.47	147
4/14/2024	101,700	149,600	1.47	147
4/15/2024	105,200	147,400	1.40	140
4/16/2024	100,900	153,400	1.52	152
4/17/2024	101,400	162,100	1.60	160
4/18/2024	104,900	145,400	1.39	139
4/19/2024	103,900	152,500	1.47	147
4/20/2024	101,100	146,900	1.45	145
4/21/2024	97,800	148,200	1.52	152
4/22/2024	103,400	156,200	1.51	151
4/23/2024	104,400	153,300	1.47	147
4/24/2024	103,300	164,500	1.59	159
4/25/2024	148,700	274,300	1.84	184
4/26/2024	165,100	285,900	1.73	173
4/27/2024	172,300	290,300	1.68	168
4/28/2024	169,300	289,500	1.71	171
4/29/2024	166,200	295,600	1.78	178
4/30/2024	167,400	289,000	1.73	173
APR Averages	**106,563**	**175,363**	**1.65**	**165**

APR Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	74	**122**

Notes:

% = percent

GPM = gallons per minute

Table 2. May 2024 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	Percent Recovery (%)
5/1/2024	170,800	299,100	1.75	175
5/2/2024	167,600	293,300	1.75	175
5/3/2024	169,300	293,300	1.73	173
5/4/2024	171,700	289,500	1.69	169
5/5/2024	170,400	299,000	1.75	175
5/6/2024	166,000	302,800	1.82	182
5/7/2024	170,900	310,300	1.82	182
5/8/2024	170,500	320,100	1.88	188
5/9/2024	160,100	294,600	1.84	184
5/10/2024	159,900	291,900	1.83	183
5/11/2024	158,500	279,100	1.76	176
5/12/2024	160,600	280,000	1.74	174
5/13/2024	152,200	279,500	1.84	184
5/14/2024	160,700	287,400	1.79	179
5/15/2024	149,300	286,400	1.92	192
5/16/2024	172,200	294,300	1.71	171
5/17/2024	171,400	310,300	1.81	181
5/18/2024	169,000	297,400	1.76	176
5/19/2024	169,500	301,400	1.78	178
5/20/2024	172,300	302,800	1.76	176
5/21/2024	170,700	305,800	1.79	179
5/22/2024	175,300	309,800	1.77	177
5/23/2024	178,800	327,200	1.83	183
5/24/2024	173,600	318,300	1.83	183
5/25/2024	175,000	319,300	1.82	182
5/26/2024	180,100	313,900	1.74	174
5/27/2024	186,400	313,400	1.68	168
5/28/2024	178,500	308,900	1.73	173
5/29/2024	179,300	327,500	1.83	183
5/30/2024	177,900	320,300	1.80	180
5/31/2024	178,600	310,100	1.74	174
MAY Averages	**169,906**	**302,806**	**1.78**	**178**

MAY Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	118	**210**

Notes:

% = percent

GPM = gallons per minute

Table 3. June 2024 Daily Injection and Recovery Volumes

Date	Daily Injection Volume (gallons)	Daily Recovery Volume (gallons)	Ratio Recovery/Injection	Percent Recovery (%)
6/1/2024	169,400	322,600	1.90	190
6/2/2024	182,500	313,900	1.72	172
6/3/2024	186,800	324,600	1.74	174
6/4/2024	228,400	327,300	1.43	143
6/5/2024	146,900	384,100	2.61	261
6/6/2024	27,600	170,800	6.19	619
6/7/2024	138,800	266,400	1.92	192
6/8/2024	245,700	426,600	1.74	174
6/9/2024	250,900	450,500	1.80	180
6/10/2024	259,900	461,400	1.78	178
6/11/2024	219,900	398,200	1.81	181
6/12/2024	242,700	437,600	1.80	180
6/13/2024	229,400	437,600	1.91	191
6/14/2024	229,200	456,900	1.99	199
6/15/2024	177,900	350,700	1.97	197
6/16/2024	154,200	296,100	1.92	192
6/17/2024	232,500	417,600	1.80	180
6/18/2024	253,000	466,700	1.84	184
6/19/2024	226,300	414,600	1.83	183
6/20/2024	242,500	430,400	1.77	177
6/21/2024	222,300	398,700	1.79	179
6/22/2024	243,600	434,900	1.79	179
6/23/2024	255,000	446,400	1.75	175
6/24/2024	203,500	387,700	1.91	191
6/25/2024	234,200	423,100	1.81	181
6/26/2024	245,200	454,000	1.85	185
6/27/2024	237,500	448,900	1.89	189
6/28/2024	235,300	410,800	1.75	175
6/29/2024	226,600	416,400	1.84	184
6/30/2024	214,300	391,900	1.83	183
JUN Averages	**212,067**	**392,247**	**1.99**	**199**

JUN Averages	Monthly Average Injection Volume (GPM)	Monthly Average Recovery Volume (GPM)
	147	**272**

Notes:

% = percent

GPM = gallons per minute

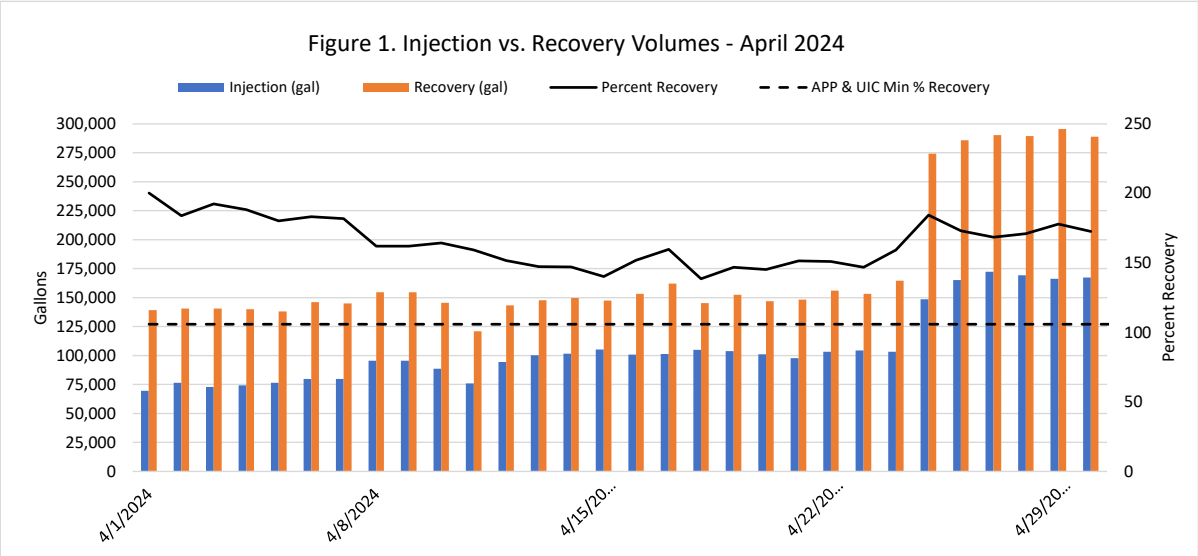


Figure 1. Injection vs. Recovery Volumes - April 2024
Injection (gal)
Recovery (gal)
Percent Recovery
APP & UIC Min % Recovery
Gallons
Percent Recovery
300,000
275,000
250,000
225,000
200,000
175,000
150,000
125,000
100,000
75,000
50,000
25,000
0
250
200
150
100
50
0
4/1/2024
4/8/2024
4/15/20...
4/22/20...
4/29/20...

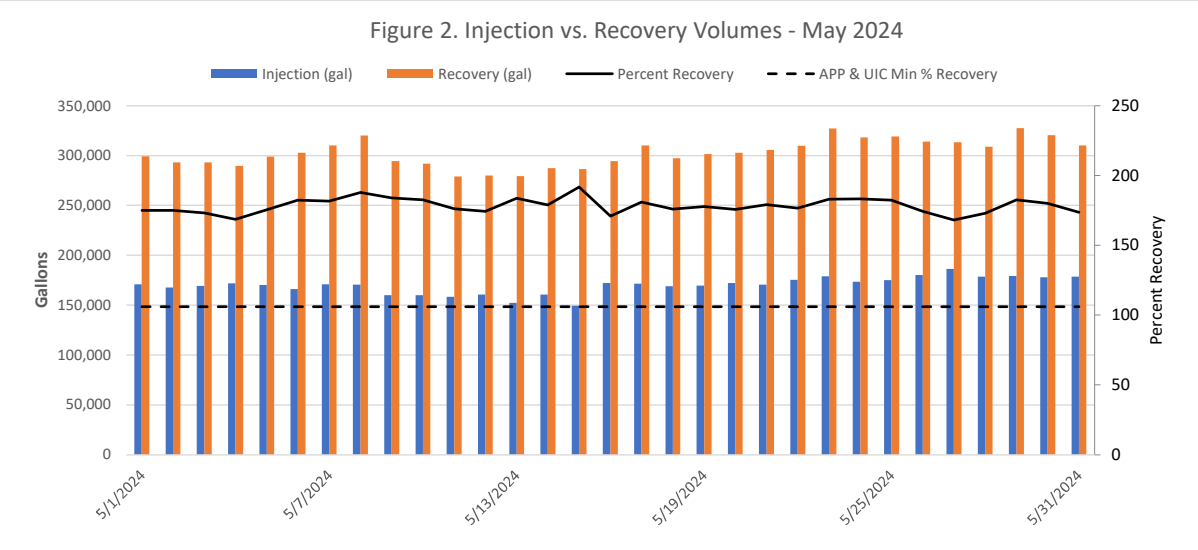


Figure 2. Injection vs. Recovery Volumes - May 2024
Injection (gal)
Recovery (gal)
Percent Recovery
APP & UIC Min % Recovery
Gallons
Percent Recovery
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
250
200
150
100
50
0
5/1/2024
5/7/2024
5/13/2024
5/19/2024
5/25/2024
5/31/2024

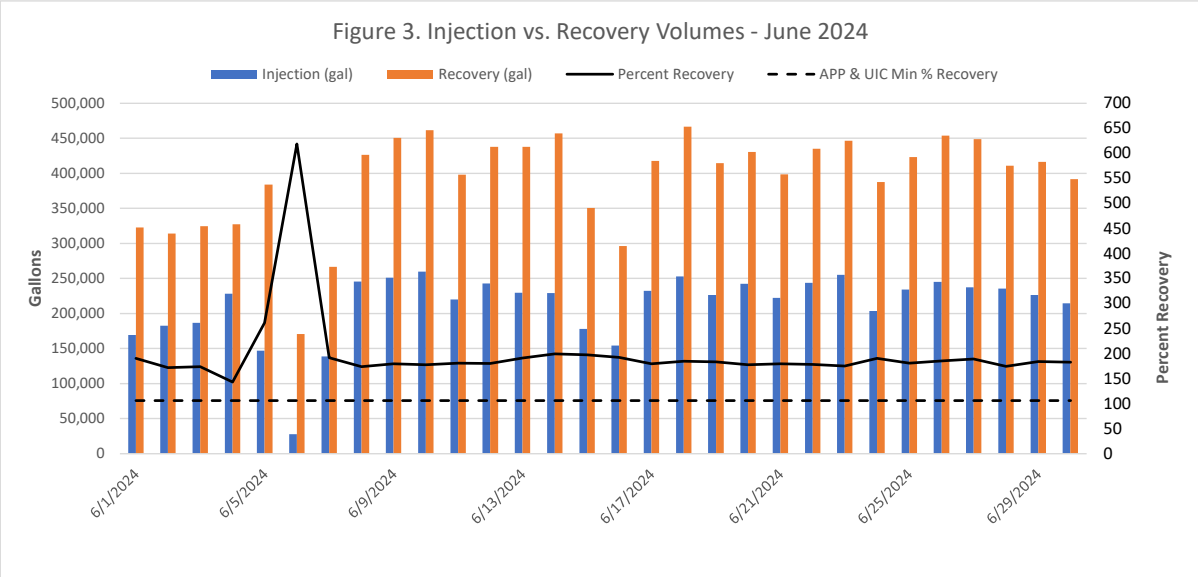


Figure 3. Injection vs. Recovery Volumes - June 2024
Injection (gal)
Recovery (gal)
Percent Recovery
APP & UIC Min % Recovery
Gallons
Percent Recovery
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
6/1/2024
6/5/2024
6/9/2024
6/13/2024
6/17/2024
6/21/2024
6/25/2024
6/29/2024

ATTACHMENT 3

Table and Graphs of the Well Head Measurements

Q2 2024 HYDRAULIC GRADIENT, DAILY AVERAGE WATER LEVEL ELEVATIONS
OBSERVATION AND RECOVERY WELLS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 1. April 2024 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
4/1/2024	1240.60	1242.83	1243.92	1220.79	1242.83	1240.37	1216.03	1240.37	1238.09	1198.46	1238.09	1217.44	1244.59	1242.51	1244.59	1245.33	1240.88	1245.33	1243.66	1234.83	1243.66	1243.92	1242.35
4/2/2024	NA	1243.61	1245.61	1218.57	1243.61	1242.26	1205.49	1242.26	1240.57	1194.81	1240.57	1213.00	1245.85	1244.26	1245.85	1246.70	1242.42	1246.70	1245.16	1235.70	1245.16	1245.61	1244.60
4/3/2024	NA	1237.08	1240.16	1210.35	1237.08	1234.76	1199.07	1234.76	1234.67	NA	1234.67	1207.61	1241.36	1239.23	1241.36	1242.10	1238.44	1242.10	1240.19	1230.20	1240.19	1240.16	1238.78
4/4/2024	NA	1235.15	1237.94	1208.36	1235.15	1233.27	1199.16	1233.27	1232.76	NA	1232.76	1204.36	1239.23	1237.17	1239.23	1240.03	1237.05	1240.03	1238.18	1227.85	1238.18	1237.94	1236.82
4/5/2024	NA	1233.37	1236.07	1209.09	1233.37	1231.53	1199.95	1231.53	1230.43	NA	1230.43	1205.07	1237.03	1234.94	1237.03	1237.69	1234.43	1237.69	1235.82	1224.00	1235.82	1236.07	1234.61
4/6/2024	NA	1234.94	1237.14	1209.28	1234.94	1232.98	1202.76	1232.98	1232.87	NA	1232.87	1208.72	1238.20	1236.45	1238.20	1238.81	1235.24	1238.81	1237.10	1223.57	1237.10	1237.14	1236.40
4/7/2024	NA	1234.68	1237.31	1209.42	1234.68	1232.61	1201.61	1232.61	1232.51	NA	1232.51	1207.84	1237.87	1236.16	1237.87	1238.55	1234.99	1238.55	1236.89	1223.97	1236.89	1237.31	1236.14
4/8/2024	NA	1237.27	1239.06	1208.74	1237.27	1235.89	1196.71	1235.89	1234.47	NA	1234.47	1208.00	1238.95	1237.68	1238.95	1239.79	1236.41	1239.79	1238.39	1226.03	1238.39	1239.06	1238.45
4/9/2024	NA	1237.54	1241.53	1210.51	1237.54	1235.93	1200.48	1235.93	1234.79	NA	1234.79	1205.99	1239.49	1238.21	1239.49	1240.40	1237.16	1240.40	1239.05	1227.64	1239.05	1241.53	1239.13
4/10/2024	NA	1238.71	1242.36	1212.48	1238.71	1237.18	1202.32	1237.18	1235.97	1226.65	1235.97	1224.82	1240.88	1239.17	1240.88	1241.50	1238.23	1241.50	1239.89	1230.04	1239.89	1242.36	1239.75
4/11/2024	NA	1241.85	1244.80	1221.82	1241.85	1241.29	1212.78	1241.29	1239.48	1229.48	1239.48	1239.17	1243.13	1241.41	1243.13	1243.69	1239.04	1243.69	1242.14	1234.45	1242.14	1244.80	1242.29
4/12/2024	1238.76	1243.39	1245.31	1224.27	1243.39	1242.78	1210.78	1242.78	1239.79	1224.17	1239.79	NA	1242.95	1241.68	1242.95	1243.57	1238.21	1243.57	1242.30	1233.70	1242.30	1245.31	1243.67
4/13/2024	1237.60	1242.48	1244.36	NA	1242.48	1241.41	1208.18	1241.41	1238.87	1222.96	1238.87	NA	1242.09	1239.15	1242.09	1242.70	1237.38	1242.70	1241.40	1232.79	1241.40	1244.36	1243.06
4/14/2024	1235.69	1240.47	1242.46	NA	1240.47	1238.90	1205.11	1238.90	1236.79	1219.92	1236.79	NA	1240.68	1237.54	1240.68	1241.21	1235.70	1241.21	1239.84	1231.67	1239.84	1242.46	1241.28
4/15/2024	1238.62	1241.29	1243.44	NA	1241.29	1239.87	1207.36	1239.87	1237.78	1220.74	1237.78	NA	1241.43	1238.90	1241.43	1241.96	1236.43	1241.96	1240.62	1232.38	1240.62	1243.44	1242.12
4/16/2024	1238.10	1240.76	1243.18	NA	1240.76	1239.29	1204.10	1239.29	1237.24	1218.97	1237.24	NA	1241.60	1238.10	1241.60	1242.11	1236.39	1242.11	1240.59	1232.02	1240.59	1243.18	1241.57
4/17/2024	1233.87	1235.54	1239.02	NA	1235.54	1233.26	1194.77	1233.26	1231.77	1211.71	1231.77	NA	1238.35	1234.02	1238.35	1238.61	1232.11	1238.61	1236.56	1226.53	1236.56	1239.02	1236.80
4/18/2024	1236.64	1239.12	1242.20	NA	1239.12	1237.06	1204.19	1237.06	1235.74	1217.91	1235.74	NA	1241.06	1238.97	1241.06	1241.51	1235.82	1241.51	1239.80	1233.12	1239.80	1242.20	1240.67
4/19/2024	1237.91	1240.38	1243.23	NA	1240.38	1238.39	1204.98	1238.39	1237.41	1219.61	1237.41	NA	1242.39	1240.45	1242.39	1242.71	1236.86	1242.71	1240.81	1230.86	1240.81	1243.23	1241.91
4/20/2024	1239.75	1242.82	1245.37	NA	1242.82	1241.14	1207.71	1241.14	1239.88	1222.80	1239.88	NA	1244.12	1242.44	1244.12	1244.49	1238.70	1244.49	1242.81	1235.54	1242.81	1245.37	1244.13
4/21/2024	1237.45	1239.90	1242.95	NA	1239.90	1237.64	1203.24	1237.64	1236.86	1218.66	1236.86	NA	1242.39	1240.27	1242.39	1242.63	1236.66	1242.63	1240.65	1232.47	1240.65	1242.95	1241.45
4/22/2024	1238.82	1240.92	1243.78	NA	1240.92	1239.14	1202.22	1239.14	1237.46	1217.76	1237.46	NA	1242.61	1240.61	1242.61	1243.03	1237.14	1243.03	1241.23	1231.57	1241.23	1243.78	1242.15
4/23/2024	1240.11	1242.65	1245.26	NA	1242.65	1241.44	1207.66	1241.44	1239.88	1221.65	1239.88	NA	1243.92	1242.13	1243.92	1244.34	1238.58	1244.34	1242.63	1232.82	1242.63	1245.26	1243.85
4/24/2024	1237.54	1240.89	1243.83	NA	1240.89	1239.08	1201.23	1239.08	1237.61	1216.42	1237.61	NA	1242.97	1240.88	1242.97	1243.21	1237.23	1243.21	1241.32	1231.78	1241.32	1243.83	1242.13
4/25/2024	1230.65	1234.32	1238.51	1203.98	1234.32	1233.31	1198.36	1233.31	1231.62	1210.03	1231.62	1205.93	1237.30	1214.50	1237.30	1237.71	1231.74	1237.71	1235.95	1232.75	1235.95	1238.51	1197.77
4/26/2024	1228.34	1231.30	1236.28	1203.27	1231.30	1229.88	1193.31	1229.88	1228.98	1206.01	1228.98	1200.98	1235.12	1199.03	1235.12	1235.41	1229.34	1235.41	1233.71	NA	1233.71	1236.28	1196.92
4/27/2024	1230.04	1231.76	1236.28	1205.92	1231.76	1230.86	1197.66	1230.86	1229.69	1209.13	1229.69	1202.65	1234.67	1194.48	1234.67	1234.96	1229.07	1234.96	1233.39	NA	1233.39	1236.28	1187.89
4/28/2024	1226.25	1227.94	1233.34	1201.50	1227.94	1226.20	1195.91	1226.20	1226.40	1207.66	1226.40	1201.52	1232.53	1193.91	1232.53	1232.65	1226.67	1232.65	1230.74	NA	1230.74	1233.34	1183.61
4/29/2024	1222.62	1225.09	1230.69	1199.50	1225.09	1223.46	1197.39	1223.46	1224.01	1206.76	1224.01	1196.68	1230.11	1190.01	1230.11	1230.20	1224.20	1230.20	1228.17	NA	1228.17	1230.69	1177.32
4/30/2024	1221.19	1223.57	1229.11	1199.50	1223.57	1221.68	1194.28	1221.68	1222.23	1204.42	1222.23	1195.89	1228.41	1192.72	1228.41	1228.53	1222.73	1228.53	1226.55	NA	1226.55	1229.11	1177.28

Notes:

All measurements in elevation above mean sea level.

NA = Not measured or otherwise not available

No data were availible for the following dates/wells:

R-01 reconditioning 4/2/2024 - 4/11/2024

R-02 reconditioning 4/13/2024 - 4/24/2024

R-04 reconditioning 4/3/2024 - 4/9/2024

R-05 reconditioning 4/12/2024 - 4/24/2024

R-08 reconditioning 4/26/2024 - 4/30/2024

Q2 2024 HYDRAULIC GRADIENT, DAILY AVERAGE WATER LEVEL ELEVATIONS
OBSERVATION AND RECOVERY WELLS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 2. May 2024 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
5/1/2024	1218.57	1221.22	1226.90	1195.39	1221.22	1219.42	1190.07	1219.42	1219.97	1200.96	1219.97	1194.57	1226.30	1181.87	1226.30	1226.34	1220.49	1226.34	1224.27	NA	1224.27	1226.90	1173.97
5/2/2024	1222.88	1224.42	1229.25	1198.46	1224.42	1223.81	1192.39	1223.81	1222.73	1202.38	1222.73	1195.74	1227.94	1182.51	1227.94	1228.09	1222.52	1228.09	1226.29	NA	1226.29	1229.25	1176.33
5/3/2024	1217.34	1219.05	1224.91	1192.30	1219.05	1217.40	1191.39	1217.40	1218.54	1198.20	1218.54	1190.07	1225.52	1186.79	1225.52	1225.21	1218.84	1225.21	1222.58	NA	1222.58	1224.91	1172.39
5/4/2024	1221.83	1224.76	1230.10	1199.49	1224.76	1223.66	1195.10	1223.66	1224.42	1205.16	1224.42	1196.49	1230.08	1191.57	1230.08	1229.97	1224.04	1229.97	1227.80	NA	1227.80	1230.10	1182.64
5/5/2024	1220.22	1223.19	1229.04	1194.98	1223.19	1221.92	1187.13	1221.92	1222.35	1199.45	1222.35	1194.11	1229.34	1196.75	1229.34	1229.18	1222.98	1229.18	1226.74	NA	1226.74	1229.04	1181.02
5/6/2024	1223.25	1226.05	1231.03	1199.22	1226.05	1225.42	1193.08	1225.42	1224.50	1203.08	1224.50	1196.94	1230.37	1185.34	1230.37	1230.38	1224.60	1230.38	1228.34	NA	1228.34	1231.03	1178.62
5/7/2024	1222.08	1224.07	1229.50	1195.62	1224.07	1222.72	1187.73	1222.72	1222.36	1199.03	1222.36	1193.63	1229.00	1177.52	1229.00	1229.07	1223.33	1229.07	1227.04	NA	1227.04	1229.50	1177.72
5/8/2024	1215.72	1218.52	1224.51	1190.07	1218.52	1216.84	1186.12	1216.84	1217.68	1196.70	1217.68	1187.68	1224.63	1161.59	1224.63	1224.51	1218.65	1224.51	1222.22	NA	1222.22	1224.51	1171.75
5/9/2024	1217.38	1219.79	1225.29	1194.88	1219.79	1218.71	1189.66	1218.71	1219.07	1199.02	1219.07	1161.59	1225.57	1181.10	1225.57	1225.33	1219.52	1225.33	1222.94	NA	1222.94	1225.29	1172.81
5/10/2024	1223.73	1227.00	1231.81	1202.49	1227.00	1225.67	1192.34	1225.67	1222.24	1199.18	1222.24	1193.83	1229.32	1192.89	1229.32	1230.15	1225.48	1230.15	1228.81	1218.92	1228.81	1231.81	1179.39
5/11/2024	NA	1229.48	1234.17	1205.45	1229.48	1227.89	1196.34	1227.89	1224.75	1204.17	1224.75	1199.44	1231.54	1198.30	1231.54	1232.40	1227.77	1232.40	1231.02	1221.58	1231.02	1234.17	1182.17
5/12/2024	NA	1229.41	1233.66	1203.60	1229.41	1228.39	1199.98	1228.39	1225.10	1206.21	1225.10	1198.41	1230.85	1195.67	1230.85	1231.75	1227.00	1231.75	1230.43	1220.66	1230.43	1233.66	1182.01
5/13/2024	NA	1224.06	1229.42	1196.31	1224.06	1222.04	1196.54	1222.04	1220.19	1201.33	1220.19	1193.57	1227.36	1194.48	1227.36	1228.22	1223.41	1228.22	1226.60	1215.98	1226.60	1229.42	1177.49
5/14/2024	NA	1222.21	1227.72	1195.37	1222.21	1220.00	1187.95	1220.00	1218.14	1196.78	1218.14	1192.60	1226.21	1189.94	1226.21	1226.74	1222.16	1226.74	1225.11	1214.77	1225.11	1227.72	1176.09
5/15/2024	NA	1219.66	1225.80	1193.42	1219.66	1216.47	1185.29	1216.47	1215.48	1193.56	1215.48	1190.22	1225.08	1182.23	1225.08	1225.61	1220.73	1225.61	1223.60	1213.61	1223.60	1225.80	1174.23
5/16/2024	NA	1227.71	1231.83	1193.42	1227.71	1226.31	1185.29	1226.31	1223.41	1193.56	1223.41	1190.22	1230.55	1182.23	1230.55	1231.10	1220.73	1231.10	1229.48	1213.61	1229.48	1231.83	1174.23
5/17/2024	NA	1224.32	1229.84	1195.89	1224.32	1221.95	1185.79	1221.95	1220.15	1195.73	1220.15	1191.22	1228.65	1175.50	1228.65	1229.17	1224.10	1229.17	1227.40	1216.22	1227.40	1229.84	1177.89
5/18/2024	NA	1223.43	1230.27	1195.70	1223.43	1219.59	1185.94	1219.59	1219.13	1197.88	1219.13	1196.81	1230.38	1171.11	1230.38	1230.48	1225.62	1230.48	1228.29	1217.64	1228.29	1230.27	1178.26
5/19/2024	NA	1223.32	1230.03	1194.31	1223.32	1219.53	1184.04	1219.53	1218.41	1195.32	1218.41	1192.12	1230.15	1177.52	1230.15	1230.22	1224.95	1230.22	1227.98	1216.94	1227.98	1230.03	1179.94
5/20/2024	NA	1226.14	1232.42	1195.21	1226.14	1222.73	1184.48	1222.73	1220.66	1196.73	1220.66	1195.01	1232.11	1187.86	1232.11	1232.30	1227.04	1232.30	1230.17	1218.84	1230.17	1232.42	1182.10
5/21/2024	NA	1224.79	1231.18	1193.74	1224.79	1221.00	1180.72	1221.00	1219.04	1194.42	1219.04	1193.91	1231.14	1184.67	1231.14	1231.37	1226.05	1231.37	1229.11	1217.73	1229.11	1231.18	1180.74
5/22/2024	NA	1227.06	1232.30	1197.98	1227.06	1224.15	1185.35	1224.15	1221.46	1198.53	1221.46	1196.94	1232.05	1164.53	1232.05	1232.33	1227.34	1232.33	1230.33	1219.50	1230.33	1232.30	1180.63
5/23/2024	NA	1223.00	1229.01	1194.06	1223.00	1219.33	1182.47	1219.33	1216.47	1192.44	1216.47	1190.53	1228.17	1131.61	1228.17	1228.54	1223.45	1228.54	1226.73	1215.53	1226.73	1229.01	1174.29
5/24/2024	1219.89	1222.07	1228.33	1194.62	1222.07	1218.98	1182.39	1218.98	1216.34	1194.68	1216.34	1194.59	1227.81	1143.42	1227.81	1228.36	1221.10	1228.36	1226.48	1212.44	1226.48	1228.33	1174.59
5/25/2024	1219.50	1222.75	1228.88	1194.51	1222.75	1220.32	1185.50	1220.32	1218.23	1197.11	1218.23	1195.73	1229.03	1163.87	1229.03	1229.67	NA	1229.67	1227.50	1208.20	1227.50	1228.88	1176.33
5/26/2024	1223.10	1225.14	1230.54	1194.33	1225.14	1223.08	1184.74	1223.08	1220.01	1196.10	1220.01	1197.48	1230.00	1163.45	1230.00	1230.76	NA	1230.76	1228.93	1210.59	1228.93	1230.54	1180.53
5/27/2024	1222.89	1225.73	1231.48	1193.82	1225.73	1223.53	1186.04	1223.53	1220.28	1196.28	1220.28	1197.50	1230.74	1181.04	1230.74	1231.67	NA	1231.67	1229.86	1217.19	1229.86	1231.48	1172.75
5/28/2024	1219.45	1223.26	1228.99	1193.82	1223.26	1220.22	1185.51	1220.22	1218.02	1195.35	1218.02	1195.76	1229.18	1177.14	1229.18	1229.83	NA	1229.83	1227.65	1216.58	1227.65	1228.99	1169.35
5/29/2024	1221.45	1232.09	1229.97	1194.50	1232.09	1221.89	1184.97	1221.89	1218.93	1194.57	1218.93	1193.64	1229.77	1163.22	1229.77	1230.40	NA	1230.40	1228.43	1216.16	1228.43	1229.97	1169.91
5/30/2024	1222.38	1224.62	1230.07	1192.51	1224.62	1221.99	1182.75	1221.99	1218.61	1194.13	1218.61	1193.04	1229.95	1168.74	1229.95	1230.53	NA	1230.53	1228.45	1216.40	1228.45	1230.07	1171.14
5/31/2024	1221.45	1223.78	1229.69	1192.31	1223.78	1220.92	1183.19	1220.92	1218.36	1194.49	1218.36	1195.80	1229.79	1173.40	1229.79	1230.15	NA	1230.15	1227.91	1217.20	1227.91	1229.69	1172.40

Notes:

All measurements in elevation above mean sea level.

NA = Not measured or otherwise not available

No data were availible for the following dates/wells:

R-01 reconditioning 5/11/2024 - 5/23/2024

R-07 reconditioning 5/25/2024 - 5/31/2024

R-08 reconditioning 5/1/2024 - 5/9/2024

Q2 2024 HYDRAULIC GRADIENT, DAILY AVERAGE WATER LEVEL ELEVATIONS
OBSERVATION AND RECOVERY WELLS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 3. June 2024 Daily Average Water Level Elevations

Date	R-01	O-01	O-07	R-02	O-01	O-02	R-03	O-02	O-03	R-04	O-03	R-05	O-04	R-06	O-04	O-05	R-07	O-05	O-06	R-08	O-06	O-07	R-09
6/1/2024	1222.13	1225.45	1231.22	1193.19	1225.45	1222.99	1182.57	1222.99	1218.94	1194.46	1218.94	1194.20	1230.51	1167.78	1230.51	1230.43	NA	1230.43	1229.79	1218.04	1229.79	1231.22	1174.78
6/2/2024	1219.75	1233.04	1228.65	1194.25	1233.04	1219.99	1184.59	1219.99	1218.41	1195.51	1218.41	1195.06	1229.31	1163.09	1229.31	1229.93	NA	1229.93	1227.85	1215.94	1227.85	1228.65	1173.51
6/3/2024	1217.30	1235.60	1226.05	1188.02	1235.60	1216.98	1179.98	1216.98	1215.08	1189.98	1215.08	1189.93	1226.20	1150.96	1226.20	1226.79	NA	1226.79	1224.74	1212.41	1224.74	1226.05	1169.90
6/4/2024	1212.99	1232.43	1222.73	1184.29	1232.43	1214.63	1182.88	1214.63	1215.03	1193.41	1215.03	1192.12	1223.57	1155.19	1223.57	1223.87	NA	1223.87	1221.41	1208.16	1221.41	1222.73	1170.84
6/5/2024	NA	1238.65	1227.77	1206.70	1238.65	1221.02	1201.72	1221.02	1219.54	1207.48	1219.54	1208.06	1226.72	1189.01	1226.72	1227.36	NA	1227.36	1225.61	1216.83	1225.61	1227.77	1221.09
6/6/2024	1214.31	1231.21	1220.94	1190.70	1231.21	1213.58	1186.50	1213.58	1211.94	1195.51	1211.94	1189.01	1221.13	1175.71	1221.13	1221.42	1210.50	1221.42	1219.12	1208.91	1219.12	1220.94	1204.72
6/7/2024	1215.15	1239.27	1227.51	NA	1239.27	1222.63	1189.23	1222.63	1221.36	1200.98	1221.36	1197.97	1226.88	1161.12	1226.88	1227.07	1222.74	1227.07	1225.37	1214.42	1225.37	1227.51	1193.45
6/8/2024	1210.74	1236.23	1224.72	NA	1236.23	1219.41	1166.47	1219.41	1215.14	1182.06	1215.14	1177.62	1224.81	1152.32	1224.81	1224.64	1217.41	1224.64	1222.55	1201.72	1222.55	1224.72	1164.27
6/9/2024	1210.85	1234.02	1222.79	NA	1234.02	1216.84	1157.87	1216.84	1210.80	1174.22	1210.80	1170.04	1223.11	1149.47	1223.11	1222.82	1214.80	1222.82	1220.54	1201.14	1220.54	1222.79	1154.76
6/10/2024	1203.85	1229.21	1218.65	NA	1229.21	1212.84	1163.99	1212.84	1208.20	1173.99	1208.20	1168.86	1220.21	1122.28	1220.21	1219.51	1211.51	1219.51	1216.70	1198.01	1216.70	1218.65	1153.08
6/11/2024	1210.09	1234.09	1223.15	NA	1234.09	1217.31	1174.43	1217.31	1211.88	1187.76	1211.88	1184.55	1224.46	1133.63	1224.46	1224.07	1217.82	1224.07	1221.64	1206.96	1221.64	1223.15	1158.59
6/12/2024	1209.70	1233.78	1222.67	NA	1233.78	1216.50	1162.72	1216.50	1210.66	1176.78	1210.66	1173.07	1224.32	1152.26	1224.32	1223.87	1216.22	1223.87	1221.16	1200.76	1221.16	1222.67	1159.57
6/13/2024	1207.08	1232.65	1221.63	NA	1232.65	1216.05	1169.61	1216.05	1210.34	1178.29	1210.34	1173.76	1222.96	1120.84	1222.96	1222.68	1216.56	1222.68	1220.30	1202.64	1220.30	1221.63	1159.21
6/14/2024	1207.74	1231.29	1220.53	NA	1231.29	1214.61	1166.89	1214.61	1208.99	1171.84	1208.99	1164.36	1220.92	1121.18	1220.92	1220.55	1212.63	1220.55	1218.28	1197.72	1218.28	1220.53	1155.01
6/15/2024	1211.83	1235.21	1224.38	NA	1235.21	1218.22	1182.98	1218.22	1213.74	1193.65	1213.74	1190.56	1224.82	1127.85	1224.82	1224.50	1218.89	1224.50	1222.38	1210.92	1222.38	1224.38	1172.99
6/16/2024	1213.85	1236.72	1225.97	NA	1236.72	1220.11	1191.20	1220.11	1217.00	1200.17	1217.00	1199.96	1227.29	1157.29	1227.29	1226.89	1221.78	1226.89	1224.25	1214.53	1224.25	1225.97	1178.49
6/17/2024	1211.90	1235.48	1224.75	NA	1235.48	1218.57	1169.61	1218.57	1215.20	1187.41	1215.20	1181.50	1225.83	1137.28	1225.83	1225.41	1218.43	1225.41	1222.90	1207.12	1222.90	1224.75	1156.06
6/18/2024	1211.05	1234.21	NA	1188.40	1234.21	1215.93	1158.34	1215.93	1209.06	1169.75	1209.06	1165.28	1222.42	1130.44	1222.42	1222.30	1214.14	1222.30	1220.27	1199.77	1220.27	NA	1155.24
6/19/2024	NA	1233.14	1222.05	1185.29	1233.14	1214.46	1164.80	1214.46	1208.06	1176.90	1208.06	1172.01	1222.82	1139.23	1222.82	1222.05	1215.04	1222.05	1220.01	1203.43	1220.01	1222.05	1161.66
6/20/2024	NA	1233.87	1222.18	1178.35	1233.87	1215.52	1160.62	1215.52	1208.04	1175.51	1208.04	1168.70	1214.87	1136.11	1214.87	1221.33	1214.59	1221.33	1219.83	1203.15	1219.83	1222.18	1163.33
6/21/2024	NA	1234.53	1222.88	1182.06	1234.53	1216.48	1167.29	1216.48	1209.30	1180.93	1209.30	1176.67	1215.13	1135.25	1215.13	1222.15	1216.17	1222.15	1220.73	1206.16	1220.73	1222.88	1162.53
6/22/2024	NA	NA	1219.24	1173.49	NA	1212.67	1160.27	1212.67	1205.27	1173.71	1205.27	1164.29	1211.38	1123.40	1211.38	1218.34	1212.10	1218.34	1216.98	1200.77	1216.98	1219.24	1156.95
6/23/2024	NA	NA	1219.46	1169.65	NA	1212.78	1159.35	1212.78	1205.20	1171.73	1205.20	1163.06	1211.43	1125.25	1211.43	1218.40	1211.71	1218.40	1217.15	1201.00	1217.15	1219.46	1154.70
6/24/2024	NA	NA	1216.53	1175.11	NA	1210.06	1166.74	1210.06	1203.57	1178.87	1203.57	1175.54	1209.66	1127.54	1209.66	1216.43	1211.07	1216.43	1214.79	1201.84	1214.79	1216.53	1155.33
6/25/2024	NA	NA	1216.85	1175.11	NA	1209.93	1160.71	1209.93	1203.66	1175.60	1203.66	1170.43	1210.19	1124.52	1210.19	1216.83	1210.46	1216.83	1215.14	1200.69	1215.14	1216.85	1155.92
6/26/2024	NA	NA	1214.63	1163.54	NA	1207.53	1153.41	1207.53	1200.75	1168.41	1200.75	1163.72	1207.68	1120.86	1207.68	1214.27	1206.69	1214.27	1212.68	1195.84	1212.68	1214.63	1152.72
6/27/2024	NA	NA	1211.95	1158.05	NA	1204.39	1150.27	1204.39	1197.85	1167.73	1197.85	1159.92	1205.58	1127.55	1205.58	1212.09	1205.03	1212.09	1210.19	1193.86	1210.19	1211.95	1148.53
6/28/2024	NA	NA	1216.98	1170.41	NA	1210.25	1160.60	1210.25	1204.03	1175.13	1204.03	1173.33	1210.34	1145.04	1210.34	1216.95	1210.59	1216.95	1215.20	1200.19	1215.20	1216.98	1152.96
6/29/2024	NA	NA	1214.64	1172.20	NA	1207.95	1158.31	1207.95	1201.51	1172.32	1201.51	1169.29	1207.81	1121.55	1207.81	1214.49	1208.60	1214.49	1212.85	1198.31	1212.85	1214.64	1151.81
6/30/2024	NA	NA	1217.72	1169.28	NA	1211.14	1163.62	1211.14	1205.62	1177.16	1205.62	1177.84	1210.69	1122.00	1210.69	1217.43	1212.25	1217.43	1215.94	1200.96	1215.94	1217.72	1160.29

Notes:

All measurements in elevation above mean sea level.

NA = Not measured or otherwise not available

No data were availible for the following dates/wells:

R-01 reconditioning 6/5/2024 and 6/19/2024 - 6/30/2024

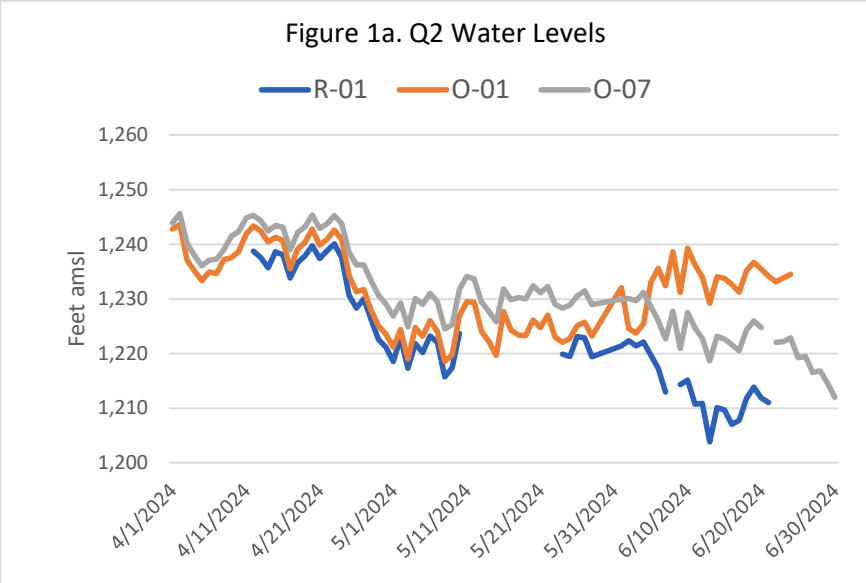
O-07reconditioning 6/18/2024

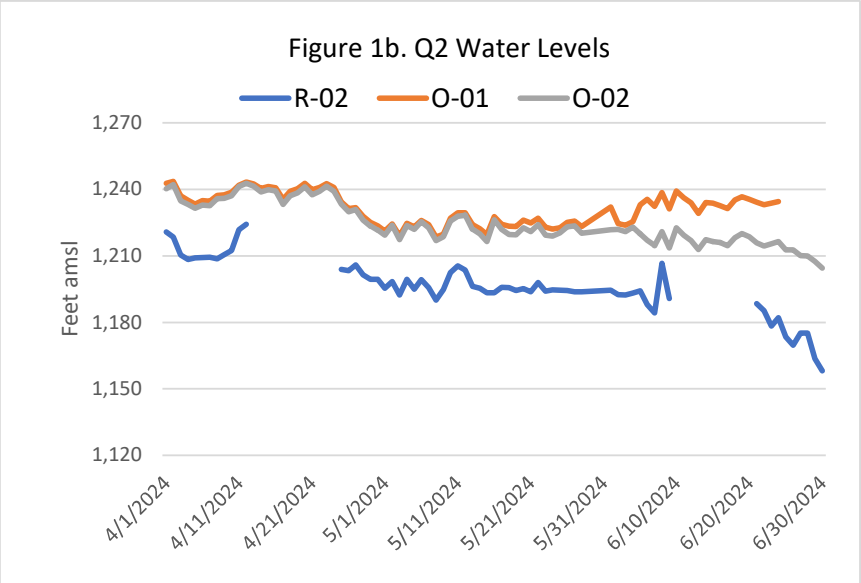
R-02 reconditioning 6/7/2024 - 6/17/2024

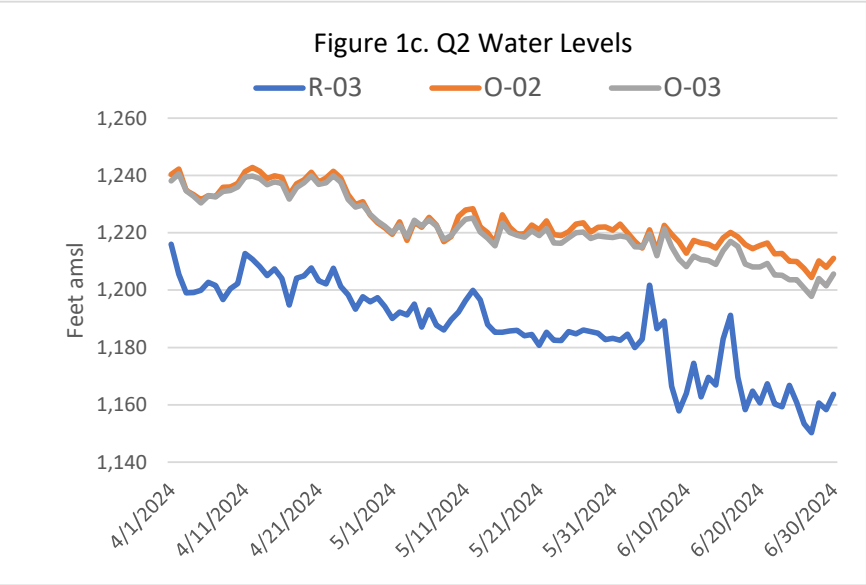
R-07 reconditioning 6/1/2024 - 6/5/2024

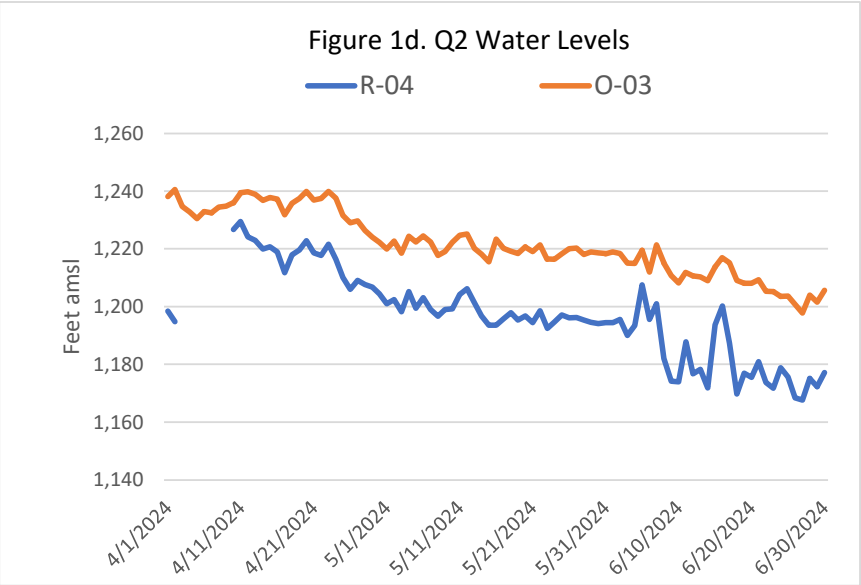
O-01 reconditioning 6/22/2024 - 6/30/2024

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells





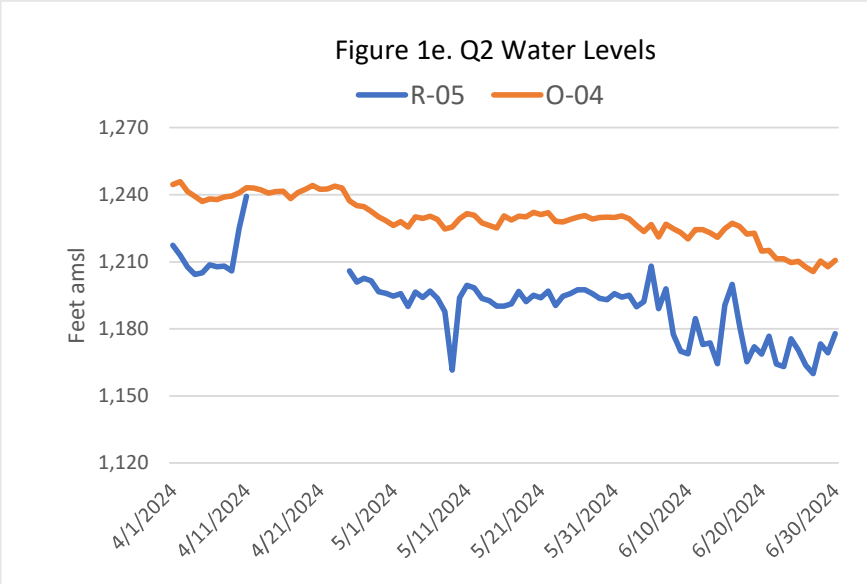


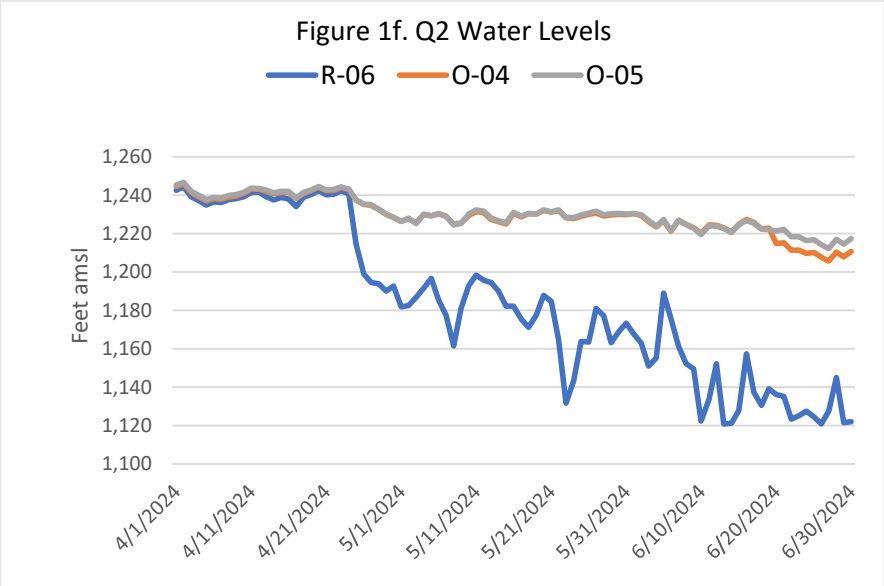


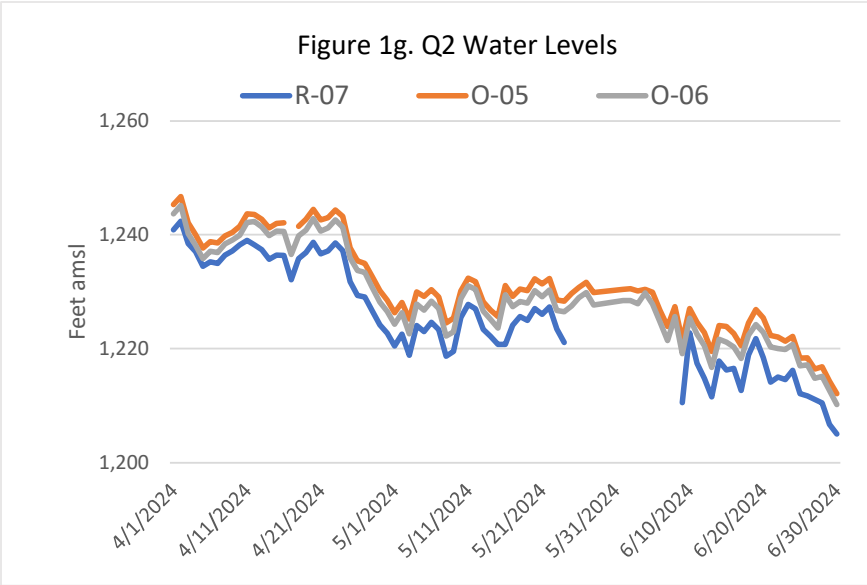
Notes:

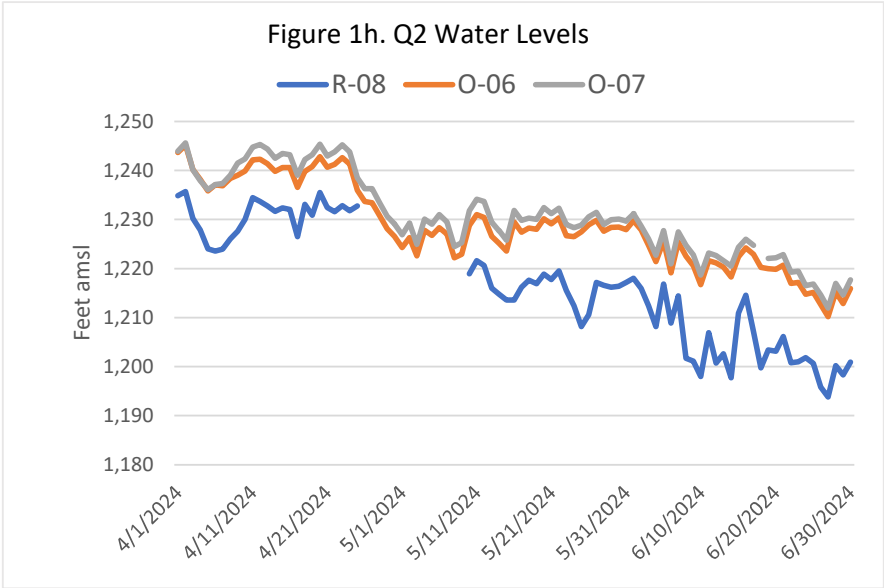
Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells









Notes:

Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

Q2 2024 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 4. April 2024 Daily Average Gradients

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients <1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
4/1/2024	2.23	3.32	22.04	19.57	24.34	22.06	39.63	27.15	2.08	2.82	4.45	2.78	8.82	9.09	Yes
4/2/2024	NA	NA	25.04	23.70	36.77	35.08	45.76	32.85	1.59	2.44	4.28	2.74	9.46	9.91	Yes
4/3/2024	NA	NA	26.74	24.41	35.69	35.60	NA	33.75	2.13	2.87	3.66	1.76	9.99	9.96	Yes
4/4/2024	NA	NA	26.80	24.91	34.11	33.60	NA	34.87	2.06	2.86	2.98	1.13	10.33	10.09	Yes
4/5/2024	NA	NA	24.28	22.45	31.59	30.49	NA	31.96	2.10	2.75	3.25	1.39	11.82	12.06	Yes
4/6/2024	NA	NA	25.66	23.70	30.22	30.12	NA	29.49	1.75	2.36	3.57	1.85	13.52	13.56	Yes
4/7/2024	NA	NA	25.26	23.19	31.00	30.90	NA	30.03	1.71	2.39	3.56	1.90	12.91	13.34	Yes
4/8/2024	NA	NA	28.53	27.15	39.18	37.76	NA	30.95	1.28	2.11	3.37	1.98	12.35	13.03	Yes
4/9/2024	NA	NA	27.03	25.42	35.46	34.31	NA	33.49	1.28	2.19	3.24	1.90	11.41	13.89	Yes
4/10/2024	NA	NA	26.23	24.70	34.86	33.65	9.32	16.06	1.72	2.33	3.26	1.66	9.85	12.32	Yes
4/11/2024	NA	NA	20.03	19.47	28.52	26.70	9.99	NA	1.72	2.27	4.65	3.10	7.69	10.35	Yes
4/12/2024	4.63	6.56	19.12	18.51	32.00	29.01	15.63	NA	1.28	1.89	5.36	4.10	8.60	11.62	Yes
4/13/2024	4.89	6.77	NA	NA	33.24	30.69	15.92	NA	2.94	3.55	5.31	4.02	8.62	11.58	Yes
4/14/2024	4.78	6.77	NA	NA	33.79	31.68	16.86	NA	3.14	3.68	5.52	4.15	8.17	10.79	Yes
4/15/2024	2.67	4.82	NA	NA	32.51	30.41	17.04	NA	2.53	3.06	5.53	4.19	8.24	11.07	Yes
4/16/2024	2.65	5.08	NA	NA	35.19	33.14	18.27	NA	3.50	4.01	5.72	4.20	8.56	11.16	Yes
4/17/2024	1.67	5.15	NA	NA	38.50	37.00	20.06	NA	4.33	4.60	6.50	4.45	10.03	12.49	Yes
4/18/2024	2.48	5.55	NA	NA	32.87	31.55	17.83	NA	2.09	2.55	5.69	3.99	6.68	9.08	Yes
4/19/2024	2.46	5.32	NA	NA	33.41	32.44	17.80	NA	1.94	2.26	5.85	3.95	9.95	12.37	Yes
4/20/2024	3.07	5.63	NA	NA	33.43	32.18	17.09	NA	1.68	2.05	5.80	4.12	7.27	9.83	Yes
4/21/2024	2.45	5.50	NA	NA	34.40	33.63	18.21	NA	2.12	2.36	5.97	3.99	8.18	10.48	Yes
4/22/2024	2.10	4.96	NA	NA	36.92	35.24	19.70	NA	2.00	2.41	5.89	4.09	9.66	12.21	Yes
4/23/2024	2.54	5.16	NA	NA	33.79	32.22	18.23	NA	1.79	2.21	5.76	4.05	9.82	12.45	Yes
4/24/2024	3.35	6.29	NA	NA	37.86	36.38	21.19	NA	2.09	2.33	5.97	4.08	9.53	12.05	Yes
4/25/2024	3.66	7.85	30.34	29.33	34.95	33.26	21.59	31.37	22.80	23.22	5.97	4.21	3.19	5.75	Yes
4/26/2024	2.96	7.93	28.03	26.61	36.57	35.67	22.97	34.14	36.09	36.38	6.07	4.36	NA	NA	Yes
4/27/2024	1.72	6.24	25.84	24.94	33.20	32.03	20.56	32.02	40.19	40.48	5.89	4.32	NA	NA	Yes
4/28/2024	1.69	7.09	26.44	24.70	30.29	30.49	18.74	31.02	38.62	38.74	5.98	4.08	NA	NA	Yes
4/29/2024	2.46	8.07	25.59	23.96	26.08	26.63	17.25	33.43	40.10	40.20	6.01	3.97	NA	NA	Yes
4/30/2024	2.38	7.92	25.28	23.39	27.40	27.95	17.81	32.52	35.69	35.81	5.80	3.82	NA	NA	Yes

Notes:

All measurements in elevation above mean sea level.

NA = Not measured or otherwise not available

No data were availible for the following dates/wells:

R-01 reconditioning 4/2/2024 - 4/11/2024

R-02 reconditioning 4/13/2024 - 4/24/2024

R-04 reconditioning 4/3/2024 - 4/9/2024

R-05 reconditioning 4/12/2024 - 4/24/2024

R-08 reconditioning 4/26/2024 - 4/30/2024

Q2 2024 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 5. May 2024 Daily Average Gradients

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients <1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
5/1/2024	2.65	8.33	25.83	24.03	29.35	29.90	19.00	31.72	44.43	44.47	5.85	3.78	NA	NA	Yes
5/2/2024	1.54	6.37	25.96	25.35	31.42	30.34	20.35	32.20	45.43	45.58	5.57	3.76	NA	NA	Yes
5/3/2024	1.71	7.57	26.75	25.10	26.01	27.15	20.33	35.45	38.73	38.42	6.38	3.75	NA	NA	Yes
5/4/2024	2.93	8.26	25.27	24.16	28.55	29.32	19.27	33.59	38.51	38.40	5.94	3.77	NA	NA	Yes
5/5/2024	2.97	8.82	28.21	26.94	34.79	35.22	22.90	35.23	32.59	32.43	6.20	3.76	NA	NA	Yes
5/6/2024	2.80	7.78	26.83	26.21	32.34	31.41	21.42	33.43	45.03	45.04	5.78	3.74	NA	NA	Yes
5/7/2024	1.99	7.41	28.44	27.10	34.99	34.63	23.34	35.38	51.49	51.56	5.74	3.71	NA	NA	Yes
5/8/2024	2.81	8.79	28.46	26.77	30.72	31.57	20.98	36.95	63.04	62.93	5.87	3.57	NA	NA	Yes
5/9/2024	2.40	7.91	24.91	23.83	29.05	29.40	20.05	33.20	44.47	44.23	5.81	3.43	NA	NA	Yes
5/10/2024	3.27	8.08	24.52	23.18	33.34	29.90	23.06	35.49	36.43	37.26	4.67	3.33	9.89	12.89	Yes
5/11/2024	NA	NA	24.03	22.44	31.55	28.40	20.58	32.09	33.24	34.11	4.64	3.26	9.44	12.59	Yes
5/12/2024	NA	NA	25.81	24.79	28.41	25.12	18.89	32.44	35.18	36.07	4.75	3.43	9.78	13.00	Yes
5/13/2024	NA	NA	27.76	25.74	25.51	23.66	18.86	33.78	32.87	33.73	4.81	3.19	10.62	13.44	Yes
5/14/2024	NA	NA	26.84	24.62	32.05	30.20	21.36	33.61	36.27	36.80	4.57	2.95	10.35	12.95	Yes
5/15/2024	NA	NA	26.24	23.06	31.18	30.19	21.91	34.86	42.85	43.38	4.88	2.87	9.99	12.19	Yes
5/16/2024	NA	NA	34.29	32.89	41.02	38.11	29.84	40.32	48.31	48.87	10.37	8.75	15.87	18.22	Yes
5/17/2024	NA	NA	28.43	26.06	36.16	34.36	24.42	37.43	53.14	53.66	5.07	3.30	11.18	13.62	Yes
5/18/2024	NA	NA	27.73	23.89	33.65	33.18	21.25	33.57	59.27	59.37	4.87	2.68	10.66	12.63	Yes
5/19/2024	NA	NA	29.01	25.22	35.49	34.38	23.09	38.02	52.63	52.69	5.26	3.03	11.04	13.09	Yes
5/20/2024	NA	NA	30.93	27.51	38.25	36.19	23.93	37.11	44.26	44.44	5.25	3.13	11.34	13.58	Yes
5/21/2024	NA	NA	31.05	27.26	40.28	38.32	24.62	37.23	46.47	46.70	5.32	3.06	11.38	13.44	Yes
5/22/2024	NA	NA	29.08	26.17	38.80	36.11	22.93	35.11	67.52	67.80	4.99	2.99	10.83	12.80	Yes
5/23/2024	NA	NA	28.94	25.28	36.86	34.00	24.04	37.64	96.55	96.92	5.09	3.28	11.20	13.48	Yes
5/24/2024	2.18	8.44	27.45	24.37	36.59	33.95	21.67	33.21	84.39	84.94	7.26	5.38	14.04	15.89	Yes
5/25/2024	3.26	9.38	28.25	25.81	34.82	32.73	21.12	33.30	65.15	65.79	NA	NA	19.31	20.68	Yes
5/26/2024	2.04	7.45	30.81	28.75	38.34	35.27	23.91	32.52	66.55	67.31	NA	NA	18.34	19.95	Yes
5/27/2024	2.84	8.59	31.92	29.72	37.49	34.24	24.00	33.25	49.70	50.63	NA	NA	12.68	14.29	Yes
5/28/2024	3.81	9.54	27.85	24.81	34.71	32.51	22.67	33.42	52.04	52.69	NA	NA	11.06	12.41	Yes
5/29/2024	10.64	8.52	37.59	27.39	36.92	33.96	24.36	36.12	66.55	67.18	NA	NA	12.26	13.80	Yes
5/30/2024	2.23	7.69	32.11	29.48	39.23	35.85	24.47	36.91	61.21	61.79	NA	NA	12.05	13.67	Yes
5/31/2024	2.33	8.24	31.47	28.60	37.72	35.16	23.86	33.98	56.39	56.75	NA	NA	10.71	12.49	Yes

Notes:

All measurements in elevation above mean sea level.

NA = Not measured or otherwise not available

No data were availible for the following dates/wells:

R-01 reconditioning 5/11/2024 - 5/23/2024

R-07 reconditioning 5/25/2024 - 5/31/2024

R-08 reconditioning 5/1/2024 - 5/9/2024

Q2 2024 DAILY HYDRAULIC GRADIENT FOR RECOVERY WELL PAIRINGS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 6. June 2024 Daily Average Gradients

Date	R-01		R-02		R-03		R-04	R-05	R-06		R-07		R-08		All Gradients <1 foot?
	O-01	O-07	O-01	O-02	O-02	O-03	O-03	O-04	O-04	O-05	O-05	O-06	O-06	O-07	
6/1/2024	3.32	9.09	32.27	29.80	40.41	36.37	24.49	36.31	62.73	62.66	NA	NA	11.75	13.18	Yes
6/2/2024	13.29	8.91	38.78	25.73	35.40	33.83	22.90	34.24	66.21	66.83	NA	NA	11.90	12.71	Yes
6/3/2024	18.31	8.75	47.58	28.96	37.01	35.11	25.11	36.27	75.25	75.83	NA	NA	12.33	13.64	Yes
6/4/2024	19.43	9.74	48.14	30.34	31.75	32.14	21.62	31.45	68.38	68.68	NA	NA	13.24	14.57	Yes
6/5/2024	NA	NA	31.95	14.32	19.30	17.82	12.06	18.67	37.72	38.36	NA	NA	8.78	10.94	Yes
6/6/2024	16.90	6.63	40.51	22.87	27.08	25.44	16.43	25.48	45.42	45.71	10.92	8.62	10.20	12.03	Yes
6/7/2024	24.13	12.36	NA	NA	33.40	32.12	20.37	28.91	65.75	65.94	4.33	2.63	10.95	13.09	Yes
6/8/2024	25.49	13.98	NA	NA	52.94	48.67	33.08	47.19	72.49	72.32	7.24	5.14	20.83	23.00	Yes
6/9/2024	23.17	11.95	NA	NA	58.97	52.93	36.58	53.06	73.63	73.34	8.02	5.74	19.40	21.66	Yes
6/10/2024	25.36	14.80	NA	NA	48.85	44.21	34.21	51.34	97.93	97.23	8.00	5.19	18.69	20.64	Yes
6/11/2024	24.00	13.06	NA	NA	42.88	37.46	24.12	39.90	90.82	90.43	6.25	3.82	14.68	16.19	Yes
6/12/2024	24.08	12.97	NA	NA	53.78	47.94	33.88	51.25	72.07	71.62	7.65	4.93	20.40	21.92	Yes
6/13/2024	25.57	14.55	NA	NA	46.44	40.73	32.05	49.20	102.12	101.84	6.12	3.74	17.67	19.00	Yes
6/14/2024	23.55	12.79	NA	NA	47.72	42.11	37.15	56.56	99.74	99.37	7.92	5.65	20.56	22.81	Yes
6/15/2024	23.38	12.55	NA	NA	35.24	30.77	20.10	34.26	96.97	96.65	5.61	3.49	11.46	13.46	Yes
6/16/2024	22.87	12.12	NA	NA	28.90	25.79	16.83	27.33	70.01	69.60	5.11	2.46	9.71	11.44	Yes
6/17/2024	23.58	12.85	NA	NA	48.96	45.59	27.79	44.33	88.55	88.13	6.98	4.47	15.78	17.63	Yes
6/18/2024	23.16	NA	45.80	27.53	57.59	50.72	39.32	57.14	91.98	91.86	8.16	6.13	20.50	NA	Yes
6/19/2024	NA	NA	47.85	29.17	49.67	43.26	31.16	50.81	83.59	82.82	7.02	4.97	16.58	18.62	Yes
6/20/2024	NA	NA	55.52	37.17	54.90	47.42	32.53	46.17	78.76	85.22	6.74	5.24	16.68	19.03	Yes
6/21/2024	NA	NA	52.47	34.42	49.19	42.01	28.37	38.46	79.88	86.90	5.98	4.55	14.57	16.72	Yes
6/22/2024	NA	NA	NA	39.17	52.40	45.00	31.56	47.09	87.98	94.94	6.24	4.88	16.21	18.47	Yes
6/23/2024	NA	NA	NA	43.13	53.43	45.85	33.47	48.37	86.18	93.15	6.69	5.44	16.15	18.46	Yes
6/24/2024	NA	NA	NA	34.95	43.33	36.83	24.70	34.11	82.12	88.89	5.36	3.72	12.95	14.69	Yes
6/25/2024	NA	NA	NA	40.35	49.22	42.95	28.07	39.76	85.67	92.31	6.37	4.68	14.45	16.16	Yes
6/26/2024	NA	NA	NA	43.99	54.12	47.34	32.34	43.96	86.82	93.41	7.58	5.98	16.84	18.79	Yes
6/27/2024	NA	NA	NA	46.34	54.12	47.58	30.11	45.66	78.03	84.54	7.06	5.17	16.33	18.09	Yes
6/28/2024	NA	NA	NA	39.84	49.65	43.44	28.91	37.01	65.31	71.92	6.36	4.61	15.01	16.79	Yes
6/29/2024	NA	NA	NA	35.75	49.64	43.20	29.19	38.52	86.26	92.94	5.89	4.25	14.54	16.33	Yes
6/30/2024	NA	NA	NA	41.86	47.51	42.00	28.46	32.85	88.69	95.44	5.18	3.68	14.98	16.76	Yes

Notes:

All measurements in elevation above mean sea level.

NA = Not measured or otherwise not available

No data were availible for the following dates/wells:

R-01 reconditioning 6/5/2024 and 6/19/2024 - 6/30/2024

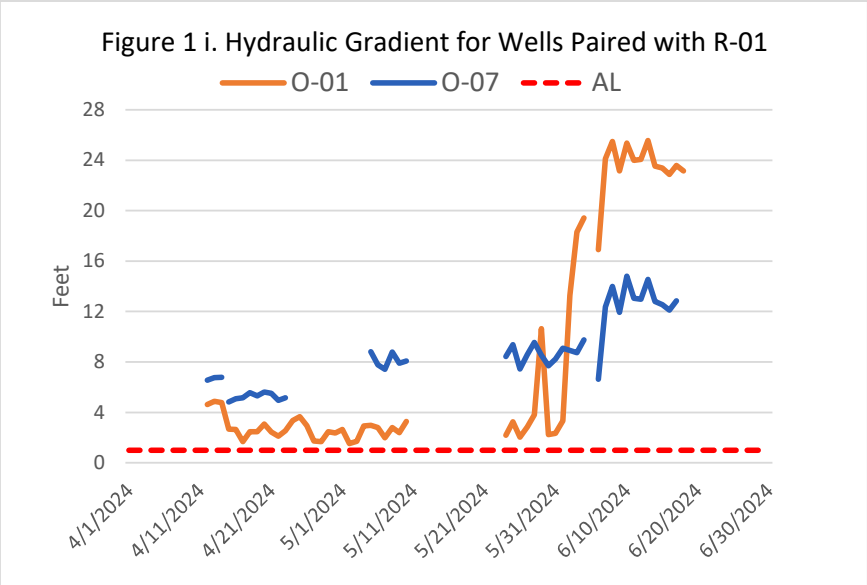
O-07 reconditioning 6/18/2024

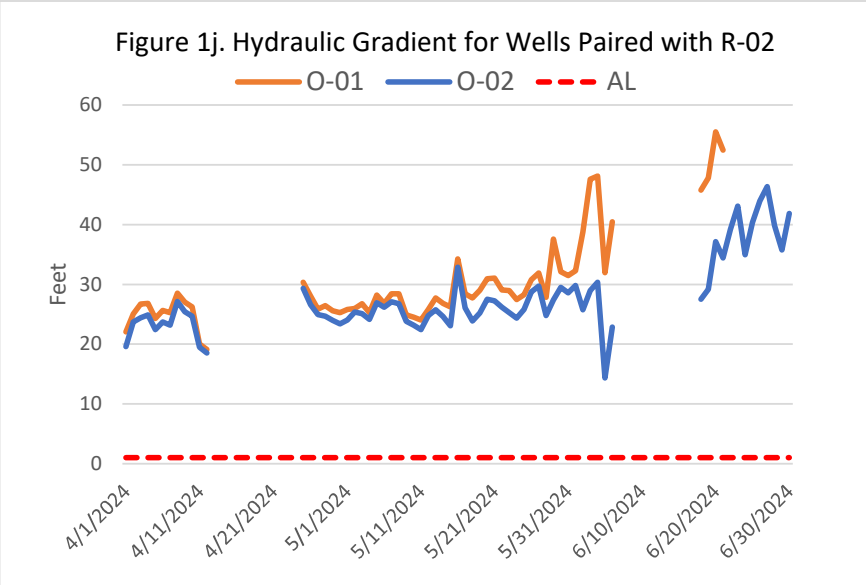
R-02 reconditioning 6/7/2024 - 6/17/2024

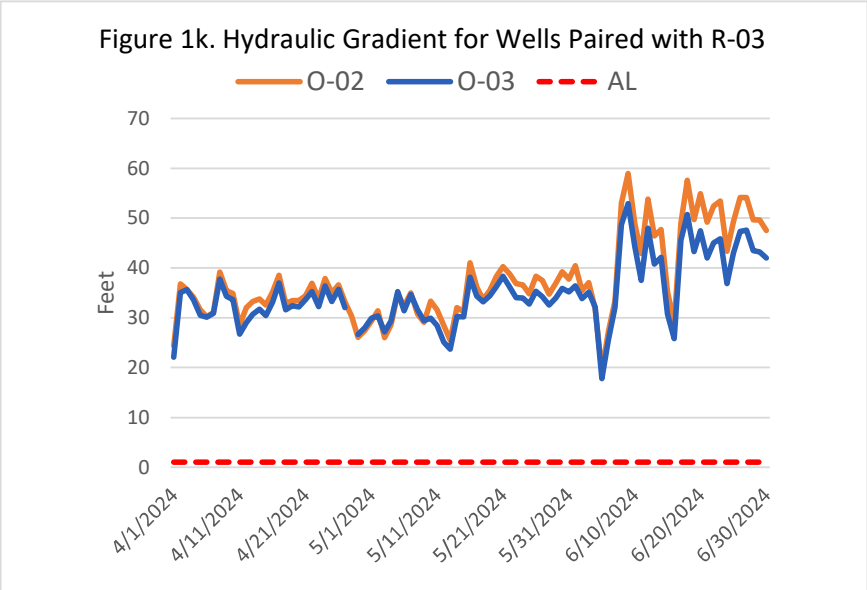
R-07 reconditioning 6/1/2024 - 6/5/2024

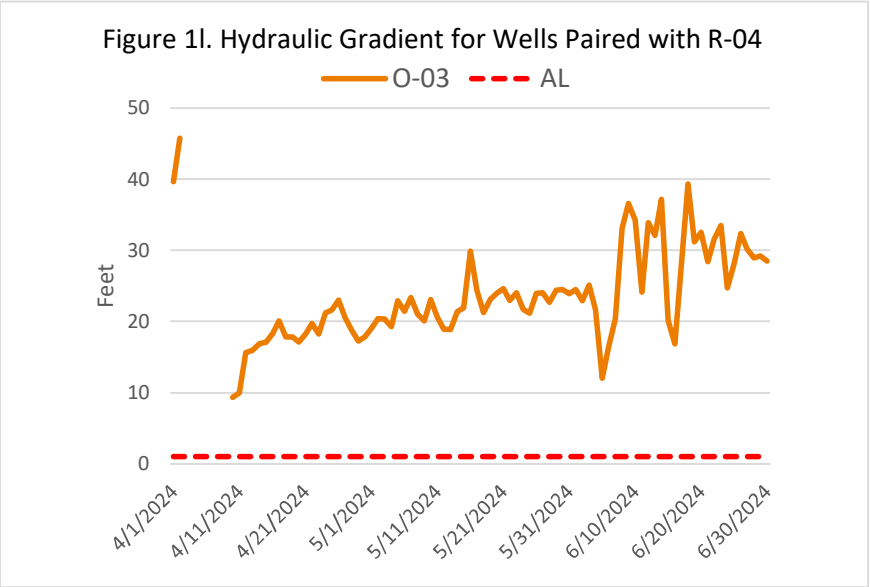
O-01 reconditioning 6/22/2024 - 6/30/2024

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells









Notes:

Refer to preceding Daily Hydraulic Gradient for Recovery Well Pairings Tables (Tables 4 - 6) for details on missing data points.

Hydraulic Gradient - Daily Average Water Level Elevations - Observation and Recovery Wells

Figure 1m. Hydraulic Gradient for Wells Paired with R-05

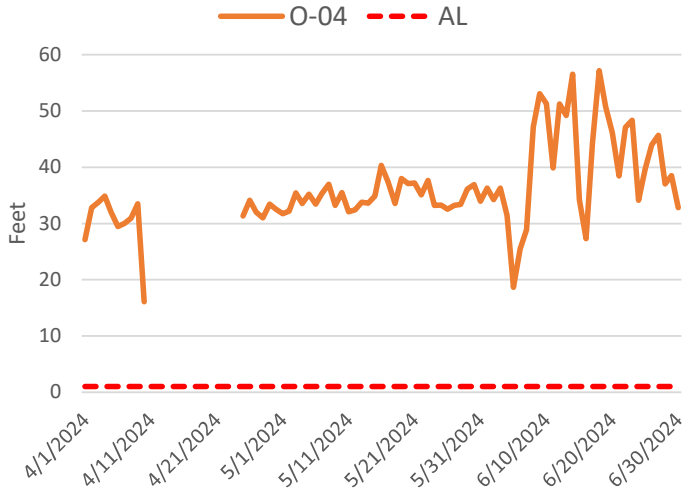


Figure 1n. Hydraulic Gradient for Wells Paired with R-06

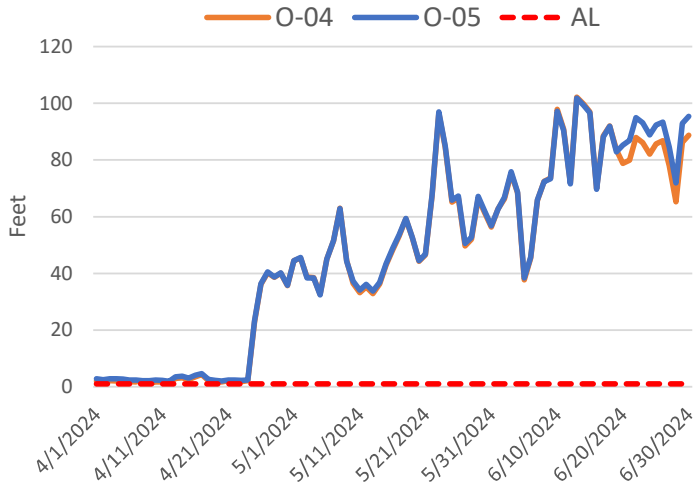


Figure 1o. Hydraulic Gradient for Wells Paired with R-07

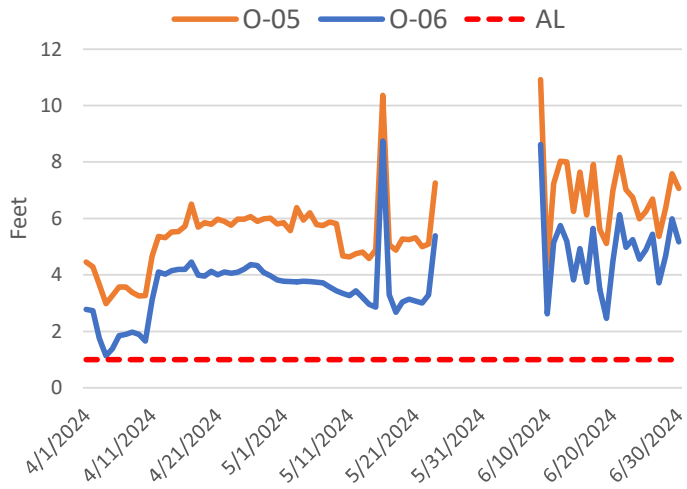
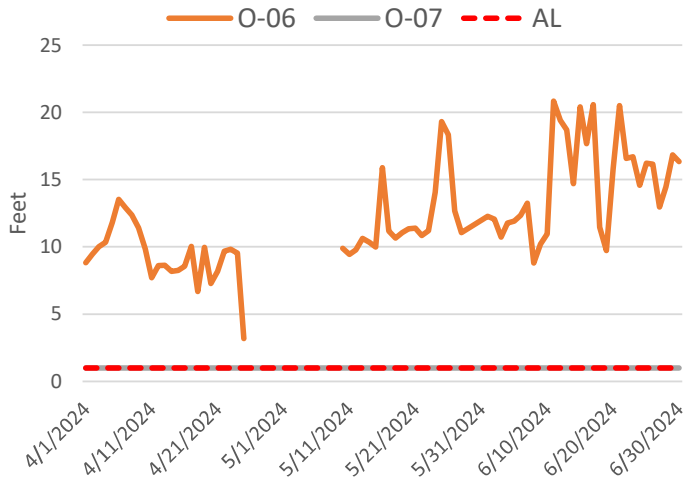


Figure 1p. Hydraulic Gradient for Wells Paired with R-08



Notes:

Refer to preceding Daily Average Water Level Elevations Tables (Tables 1 - 3) for details on missing data points.

ATTACHMENT 4

Table and Graphs of Fluid Electrical Conductivity Measurements

Q2 2024 DAILY FLUID ELECTRICAL CONDUCTIVITY
INJECTION AND OBSERVATION WELLS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 1. April 2024 Daily Fluid Electrical Conductivity - Injection and Observation Wells

Date	I-01	I-02	I-03	I-04	R-09	O-01	O-02	O-03	O-04	O-05	O-06	O-07
4/1/2024	237	233	NA	NA	NA	3873	NA	NA	1366	1493	1456	1470
4/2/2024	313	306	NA	NA	NA	3844	NA	NA	1365	1493	1457	1472
4/3/2024	264	252	NA	NA	NA	3728	1625	2712	1366	1492	1459	1470
4/4/2024	NA	NA	NA	NA	NA	3621	NA	NA	1366	1492	1460	1470
4/5/2024	265	267	NA	NA	NA	3514	NA	NA	1366	1490	1461	1471
4/6/2024	NA	NA	NA	NA	NA	3522	NA	NA	1366	1491	1460	1472
4/7/2024	313	271	NA	NA	NA	3541	NA	NA	1366	1491	1458	1472
4/8/2024	534	314	NA	NA	NA	3534	NA	NA	1366	1491	1460	1473
4/9/2024	840	261	NA	NA	NA	3515	NA	NA	1366	1491	1466	1472
4/10/2024	224	168	NA	NA	NA	3570	2183	3118	1366	1490	1496	1473
4/11/2024	247	248	NA	NA	NA	3582	NA	NA	1368	1491	1468	1474
4/12/2024	273	237	NA	NA	NA	3627	NA	NA	1370	1493	1505	1476
4/13/2024	220	454	NA	NA	NA	3695	NA	NA	1369	1492	1602	2224
4/14/2024	NA	NA	NA	NA	NA	3762	NA	NA	1368	1492	1639	2400
4/15/2024	379	227	NA	NA	NA	3800	NA	NA	1369	1492	1596	2475
4/16/2024	405	277	NA	NA	NA	3825	NA	NA	1367	1492	1593	1860
4/17/2024	864	285	NA	NA	NA	3844	3674	3386	1368	1490	1603	1473
4/18/2024	684	323	NA	NA	NA	3924	NA	NA	1367	1491	1526	1463
4/19/2024	411	296	NA	NA	NA	3925	NA	NA	1369	1493	1513	3726
4/20/2024	NA	NA	NA	NA	NA	3902	NA	NA	1369	1492	1502	2711
4/21/2024	NA	NA	NA	NA	NA	3888	NA	NA	1370	1492	1543	2930
4/22/2024	NA	NA	NA	NA	NA	3930	NA	NA	1370	1491	1492	1478
4/23/2024	NA	NA	NA	NA	NA	3949	NA	NA	1369	1491	1500	1495
4/24/2024	298	221	NA	NA	NA	3921	3928	3458	1369	1491	1535	1463
4/25/2024	463	180	NA	NA	NA	3915	NA	NA	1369	1491	1512	1473
4/26/2024	355	295	282	NA	3753	3905	NA	NA	1419	1497	1478	1460
4/27/2024	NA	NA	NA	NA	NA	3910	NA	NA	1611	1500	1463	1460
4/28/2024	NA	NA	NA	NA	NA	3904	NA	NA	1851	1500	1456	1461
4/29/2024	NA	NA	NA	NA	NA	3899	NA	NA	2092	1498	1450	1462
4/30/2024	NA	NA	NA	NA	NA	3846	NA	NA	2079	1498	1446	1462

Notes:

All measurements in microsemens per centimeter (uS/cm)

N/A or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

I-01 and I-02 no data available 4/4/2024, 4/6/2024, 4/14/2024, 4/20/2024 - 4/23/2024, and 4/27/2024 - 4/30/2024

I-03 off 4/1/2024 - 4/25/2024

I-03 no data available 4/27 - 4/30/2024

I-04 no data available 4/1/2024 - 4/9/2024

I-04 off 4/10/2024 - 4/30/2024

R-09 off 4/1/2024 - 4/25/2024

R-09 no data available 4/27/2024 - 4/30/2024

O-02 and O-03 off 4/1/2024 - 4/2/2024, 4/4/2024 - 4/9/2024, 4/11/2024 - 4/16/2024, 4/18/2024 - 4/23/2024, and 4/25/2024 - 4/30/2024

Q2 2024 DAILY FLUID ELECTRICAL CONDUCTIVITY
INJECTION AND OBSERVATION WELLS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 2. May 2024 Daily Fluid Electrical Conductivity - Injection and Observation Wells

Date	I-01	I-02	I-03	I-04	R-09	O-01	O-02	O-03	O-04	O-05	O-06	O-07
5/1/2024	324	316	305	NA	3075	3784	1934	2377	2075	1497	1446	1463
5/2/2024	NA	NA	NA	NA	NA	3727	NA	NA	2184	1497	1440	1463
5/3/2024	358	303	316	NA	NA	3722	NA	NA	2294	1497	1386	1464
5/4/2024	NA	NA	NA	NA	NA	3637	NA	NA	2709	1498	1367	1464
5/5/2024	225	229	225	NA	NA	3710	NA	NA	2938	1499	1351	1464
5/6/2024	245	224	214	NA	NA	3690	NA	NA	2856	1498	1360	1463
5/7/2024	743	309	307	NA	NA	3691	NA	NA	2971	1497	1346	1464
5/8/2024	336	351	330	NA	3071	3673	NA	NA	2712	1495	708	1464
5/9/2024	241	215	214	NA	3344	3608	1559	2148	2756	1493	NA	1464
5/10/2024	241	215	214	NA	3344	3528	NA	NA	2702	1495	NA	1465
5/11/2024	599	261	NA	245	NA	3487	NA	NA	1313	1487	NA	1465
5/12/2024	309	310	NA	311	NA	3530	NA	NA	1316	1486	NA	1466
5/13/2024	272	239	NA	240	NA	3561	NA	NA	1316	1485	NA	1466
5/14/2024	318	317	NA	323	NA	3566	NA	NA	1317	1504	NA	1465
5/15/2024	261	197	NA	198	2959	3551	1490	2032	1318	1504	NA	1466
5/16/2024	310	312	NA	311	NA	3504	NA	NA	1318	1503	NA	1465
5/17/2024	291	306	NA	300	3455	3467	NA	NA	1318	1502	NA	1465
5/18/2024	NA	NA	NA	NA	NA	3466	NA	NA	1319	1503	NA	1465
5/19/2024	NA	NA	NA	NA	NA	3334	NA	NA	1324	1509	NA	1465
5/20/2024	NA	NA	NA	NA	NA	3146	NA	NA	1804	1510	NA	1465
5/21/2024	NA	NA	NA	NA	NA	3069	NA	NA	1647	1510	NA	1465
5/22/2024	218	NA	222	221	3302	2861	2350	2468	1526	1509	NA	1341
5/23/2024	543	NA	268	269	NA	2705	NA	NA	1569	1510	NA	1340
5/24/2024	287	NA	287	291	3292	2577	NA	NA	1558	1510	NA	1339
5/25/2024	NA	NA	NA	NA	NA	2490	NA	NA	1561	1509	NA	1340
5/26/2024	NA	NA	NA	NA	NA	2501	NA	NA	1535	1508	NA	1341
5/27/2024	NA	NA	NA	NA	NA	2510	NA	NA	1560	1508	NA	1339
5/28/2024	NA	NA	NA	NA	NA	2384	NA	NA	1527	1508	NA	1339
5/29/2024	NA	NA	NA	NA	NA	2461	2268	1466	1369	1507	NA	1450
5/30/2024	NA	NA	NA	NA	NA	2440	NA	NA	1358	1507	NA	1452
5/31/2024	NA	NA	NA	NA	NA	2404	NA	NA	1365	1505	NA	1452

Notes:

All measurements in microsemens per centimeter (uS/cm)

N/A or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

I-01 no data available 5/2/2024, 5/4/2024, 5/18/2024 - 5/21/2024, and 5/25/2024 - 5/31/2024

I-02 no data available 5/2/2024, 5/4/2024, and 5/18/2024 - 5/31/2024

I-02 reconditioning 5/19/2024 - 5/31/2024

I-03 reconditioning 5/11/2024 - 5/17/2024

I-03 no data available 5/2/2024, 5/4/2024, 5/18/2024 - 5/21/2024, and 5/25/2024 - 5/31/2024

I-04 off 5/1/2024 - 5/10/2024

I-04 no data available 5/18/2024 - 5/21/2024 and 5/25/2024 - 5/31/2024

R-09 no data available 5/2/2024 - 5/7/2024, 5/11/2024 - 5/14/2024, 5/16/2024, 5/18/2024 - 5/21/2024, 5/23/2024, and 5/25/2024 - 5/31/2024

O-02 and O-03 off 5/2/2024 - 5/8/2024, 5/10/2024 - 5/14/2024, 5/16/2024 - 5/21/2024, 5/23/2024 - 5/28/2024, and 5/30/2024 - 5/31/2024

Q2 2024 DAILY FLUID ELECTRICAL CONDUCTIVITY
INJECTION AND OBSERVATION WELLS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 3. June 2024 Daily Fluid Electrical Conductivity - Injection and Observation Wells

Date	I-01	I-02	I-03	I-04	R-09	O-01	O-02	O-03	O-04	O-05	O-06	O-07
6/1/2024	297	NA	254	246	NA	2333	NA	NA	1365	1507	NA	1453
6/2/2024	258	NA	251	269	NA	2354	NA	NA	1354	1505	NA	1453
6/3/2024	552	NA	319	318	NA	2327	NA	NA	1364	1506	NA	1453
6/4/2024	247	NA	248	238	NA	2324	NA	NA	1367	1506	NA	1453
6/5/2024	NA	485	317	308	3212	2246	1933	2419	1408	1501	NA	1453
6/6/2024	NA	NA	NA	NA	NA	2307	NA	NA	1351	1499	NA	1453
6/7/2024	NA	NA	NA	NA	NA	2269	NA	NA	1352	1505	1494	1453
6/8/2024	NA	373	324	325	NA	2321	NA	NA	1372	1508	1496	1453
6/9/2024	NA	302	340	341	NA	2379	NA	NA	1374	1509	1496	1453
6/10/2024	NA	328	327	327	NA	2521	NA	NA	1370	1509	1497	1453
6/11/2024	NA	336	318	328	3219	2536	NA	NA	1371	1510	1499	1453
6/12/2024	NA	336	318	328	3219	2420	NA	NA	1385	1509	1500	1453
6/13/2024	NA	196	209	214	NA	2442	1800	3039	1379	1507	1498	1453
6/14/2024	NA	271	255	258	2949	2505	NA	NA	1342	1507	1501	1453
6/15/2024	NA	NA	NA	NA	NA	2467	NA	NA	1347	1508	1500	1453
6/16/2024	NA	NA	NA	NA	NA	2482	NA	NA	1334	1507	1499	1453
6/17/2024	NA	NA	NA	NA	NA	2474	NA	NA	1334	1506	1503	1453
6/18/2024	NA	NA	NA	NA	NA	2434	NA	NA	1348	1519	1498	1453
6/19/2024	525	252	250	238	3138	2453	1673	3061	1330	1504	1495	NA
6/20/2024	563	409	398	387	NA	2485	NA	NA	1421	1504	1561	1446
6/21/2024	336	192	181	174	3213	NA	NA	NA	1467	1504	1525	1447
6/22/2024	NA	NA	NA	NA	NA	NA	NA	NA	1411	1503	1626	1448
6/23/2024	NA	NA	NA	NA	NA	NA	NA	NA	1468	1504	1539	1449
6/24/2024	NA	NA	NA	NA	NA	NA	NA	NA	1385	1502	1605	1449
6/25/2024	NA	NA	NA	NA	NA	NA	NA	NA	1456	1502	1525	1450
6/26/2024	227	231	241	231	2999	NA	NA	NA	1457	1501	1513	1449
6/27/2024	NA	NA	NA	NA	NA	NA	1353	3015	1391	1501	1505	1449
6/28/2024	NA	NA	NA	NA	NA	NA	NA	NA	1413	1501	1507	1450
6/29/2024	253	271	274	263	NA	NA	NA	NA	1389	1502	1539	1449
6/30/2024	309	264	269	268	NA	NA	NA	NA	1390	1501	1516	1449

Notes:

All measurements in microsemens per centimeter (uS/cm)

N/A or NM = Not measured or otherwise not available

No data were available for the following dates/wells:

I-01 reconditioning 6/5/2024 - 6/18/2024

I-01 no data available 6/22/2024 - 6/25/2024, and 6/27/2024 - 6/28/2024

I-02 reconditioning 6/1/2024 - 6/4/2024 and 6/6/2024

I-02 no data available 6/6/2024 - 6/7/2024, 6/15/2024 - 6/18/2024, 6/22/2024 - 6/25/2024, 6/27/2024 - 6/28/2024

I-03 no data available 6/6/2024 - 6/7/2024, 6/15/2024 - 6/18/2024, 6/22/2024 - 6/25/2024, and 6/27/2024 - 6/28/2024

I-04 no data available 6/6/2024 - 6/7/2024, 6/15/2024 - 6/18/2024, 6/22/2024 - 6/25/2024, and 6/27/2024 - 6/28/2024

R-09 no data available 6/1/2024 - 6/4/2024, 6/6/2024 - 6/10/2024, 6/13/2024, 6/15/2024 - 6/18/2024, 6/20/2024, 6/22/2024 - 6/25/2024, and 6/27/2024 - 6/30/2024

O-02 and O-03 off 6/1/2024 - 6/4/2024, 6/6/2024 - 6/12/2024, 6/14/2024 - 6/18/2024, 6/20/2024 - 6/26/2024, 6/28/2024 - 6/30/2024

O-01 reconditioning 6/21/2024 - 6/30/2024

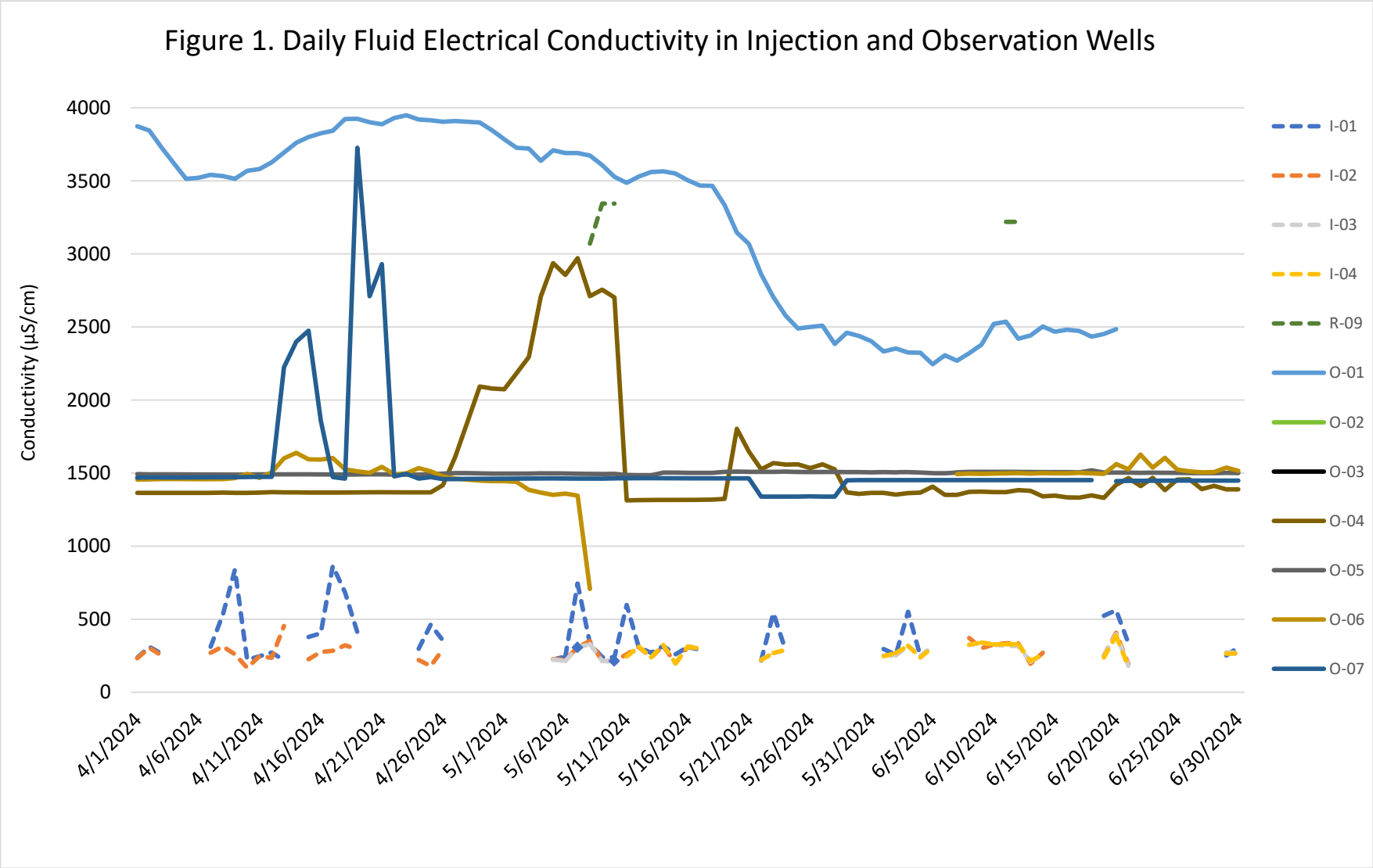


Figure 1. Daily Fluid Electrical Conductivity in Injection and Observation Wells
Conductivity (µS/cm)
4000
3500
3000
2500
2000
1500
1000
500
0
4/1/2024
4/6/2024
4/11/2024
4/16/2024
4/21/2024
4/26/2024
5/1/2024
5/6/2024
5/11/2024
5/16/2024
5/21/2024
5/26/2024
5/31/2024
6/5/2024
6/10/2024
6/15/2024
6/20/2024
6/25/2024
6/30/2024
I-01
I-02
I-03
I-04
R-09
O-01
O-02
O-03
O-04
O-05
O-06
O-07

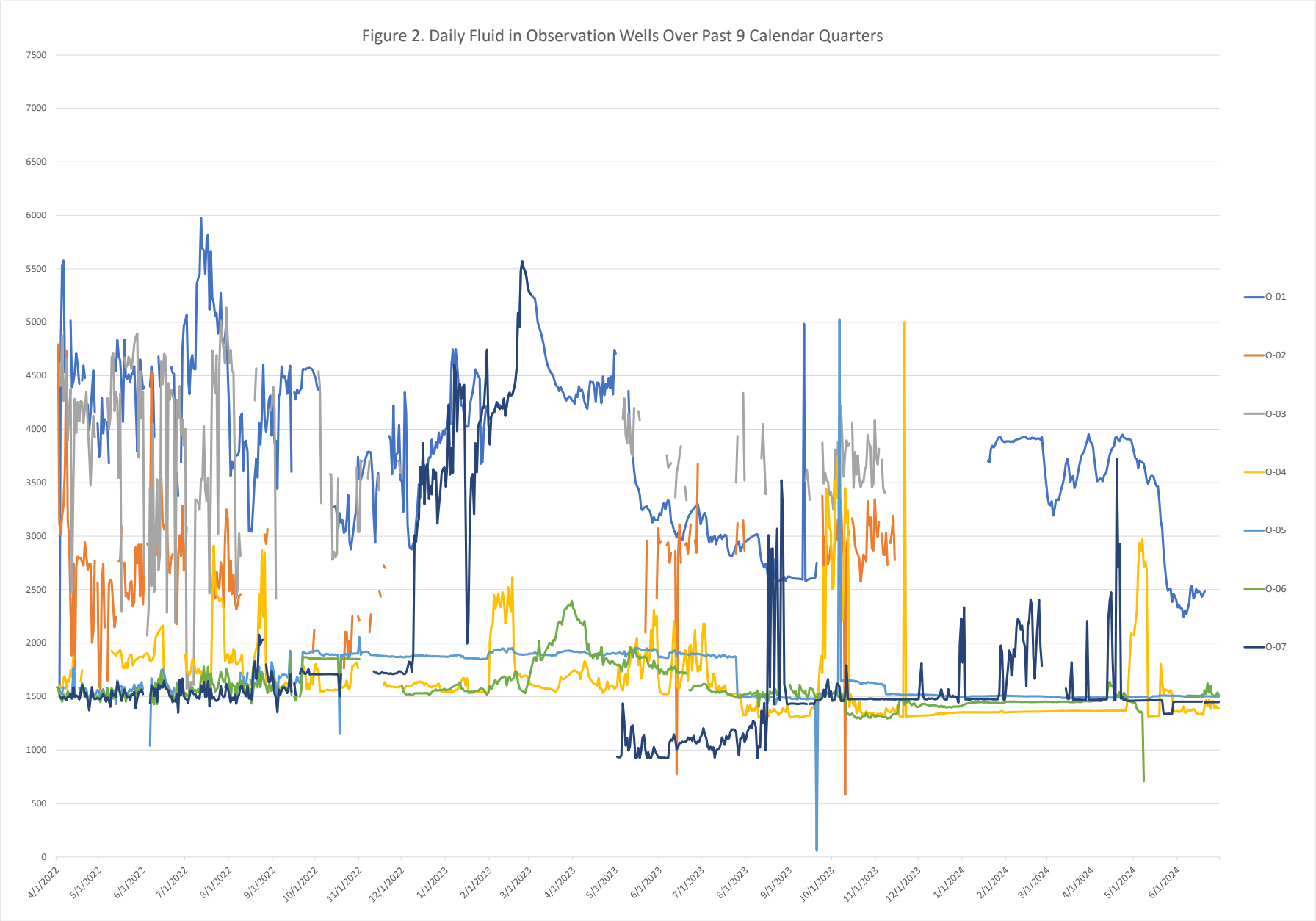


Figure 2. Daily Fluid in Observation Wells Over Past 9 Calendar Quarters
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
4/1/2022
5/1/2022
6/1/2022
7/1/2022
8/1/2022
9/1/2022
10/1/2022
11/1/2022
12/1/2022
1/1/2023
2/1/2023
3/1/2023
4/1/2023
5/1/2023
6/1/2023
7/1/2023
8/1/2023
9/1/2023
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
4/1/2024
5/1/2024
6/1/2024
O-01
O-02
O-03
O-04
O-05
O-06
O-07

ATTACHMENT 5

Table and Graphs of Monitor Well Water Levels and Analytical Results

5A. Quarterly Concentration Graphs

5B. Well Details and Water Level Elevations

5C. Groundwater Monitoring Summary

ATTACHMENT 5A

Quarterly Concentration Graphs

M14-GL Quarterly Analyte Graphs

Figure 1a. Alkalinity, Bicarbonate

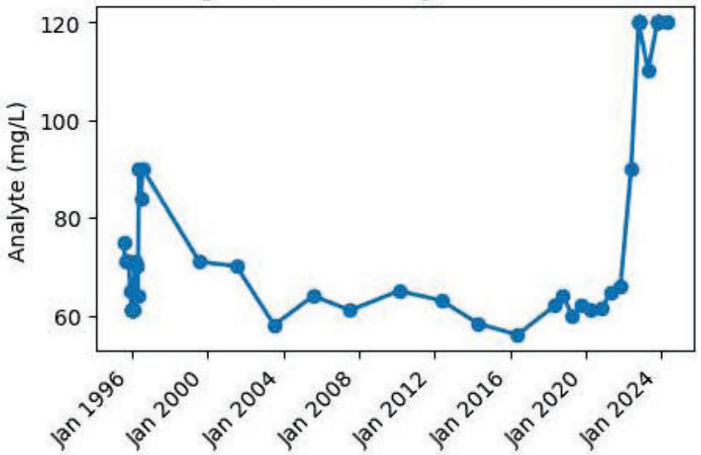


Figure 1b. Alkalinity, Carbonate

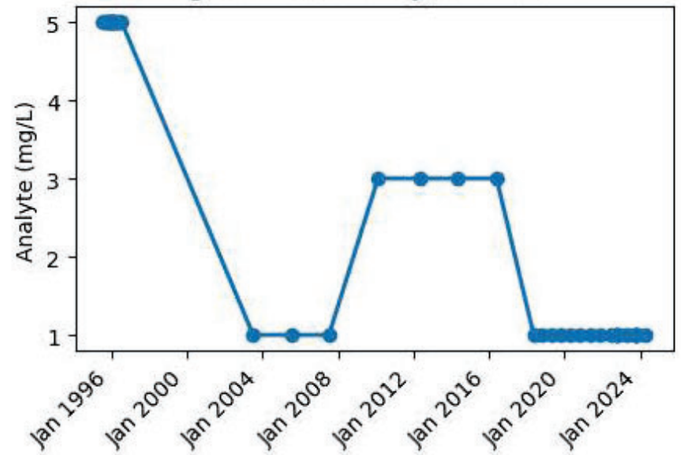


Figure 1c. Alkalinity, Hydroxide

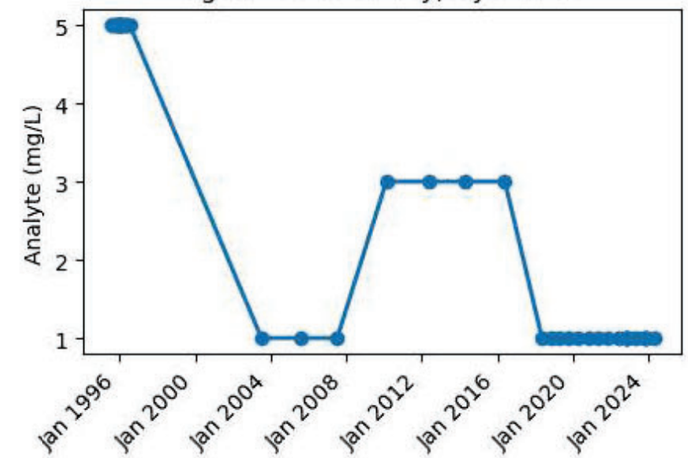


Figure 1d. Alkalinity, Total (as CaCO3)

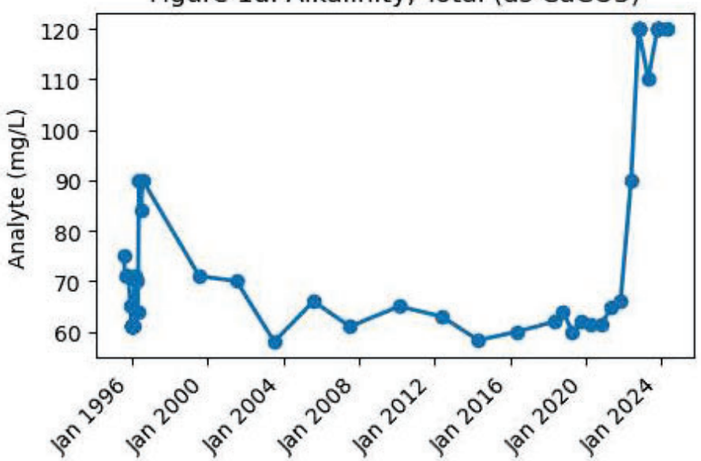


Figure 1e. Aluminum

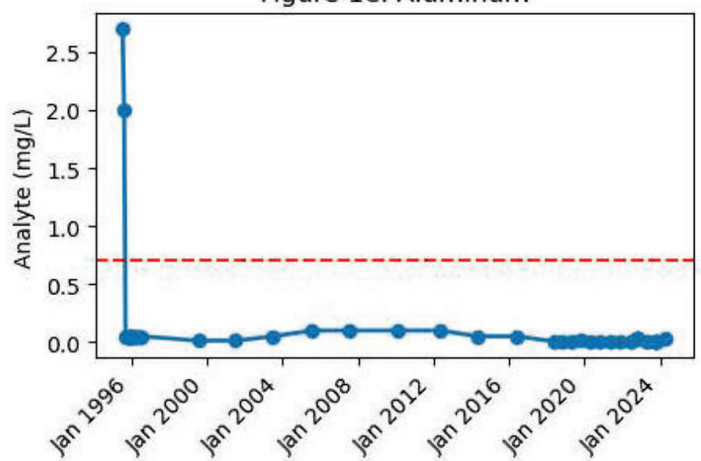


Figure 1f. Antimony

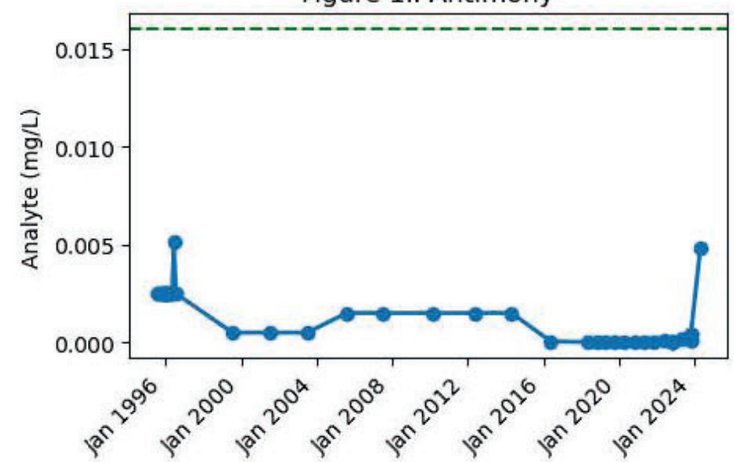


Figure 1g. Arsenic

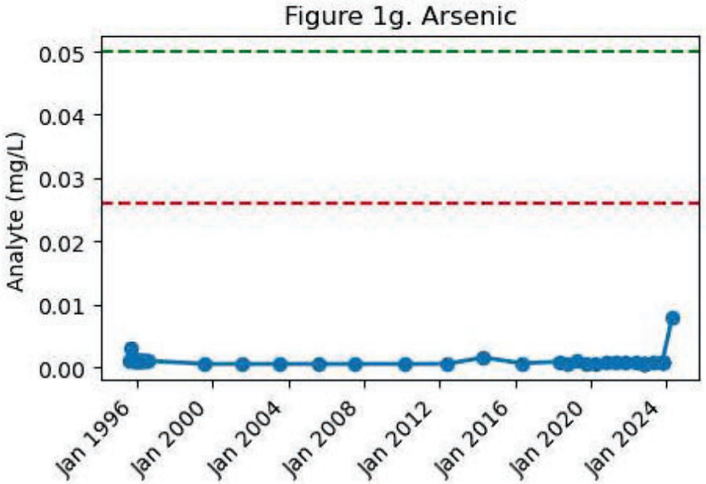
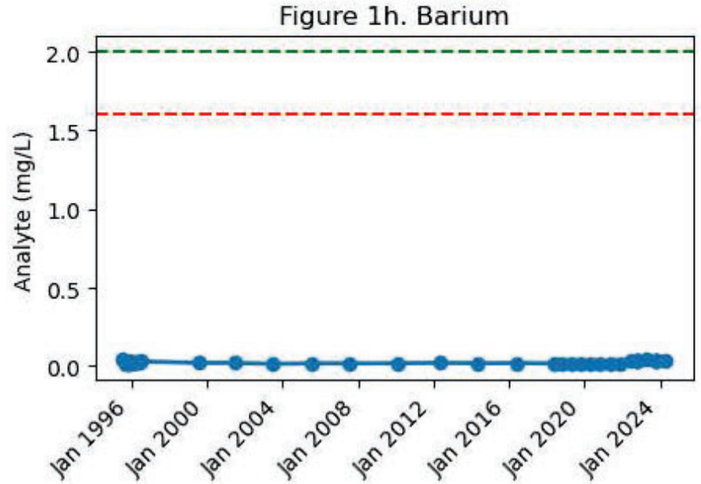


Figure 1h. Barium



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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M14-GL Quarterly Analyte Graphs

Figure 1i. Benzene

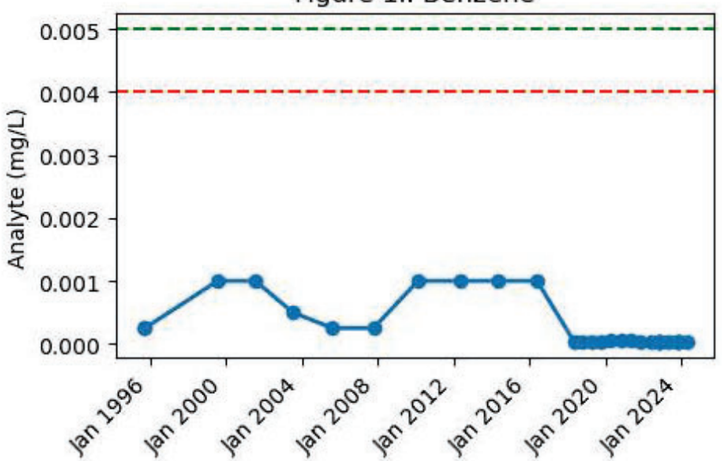


Figure 1j. Beryllium

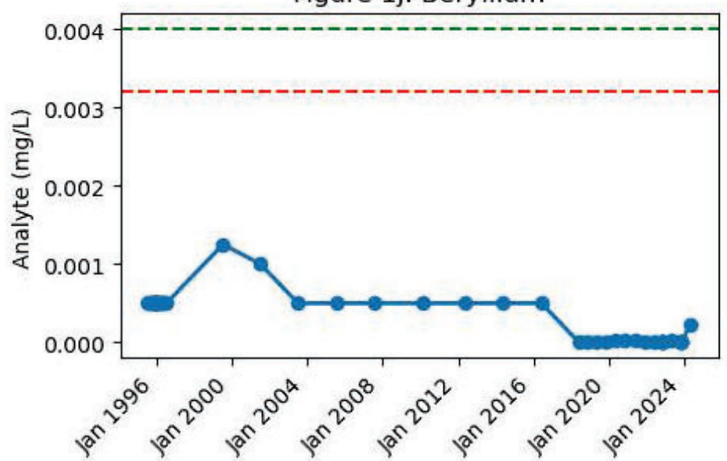


Figure 1k. Cadmium

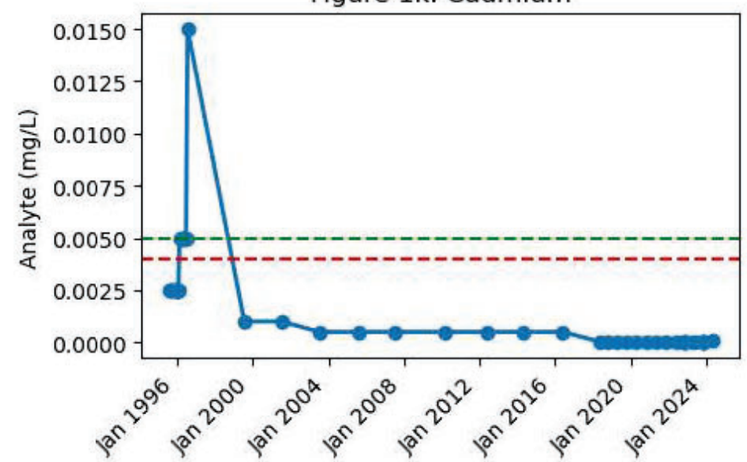


Figure 1l. Calcium

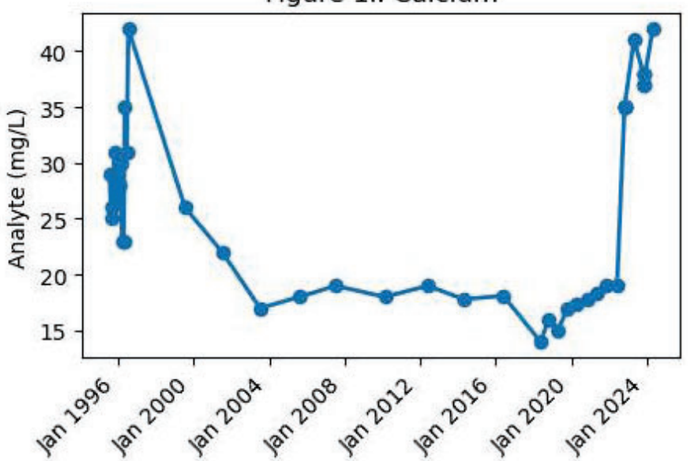


Figure 1m. Chloride

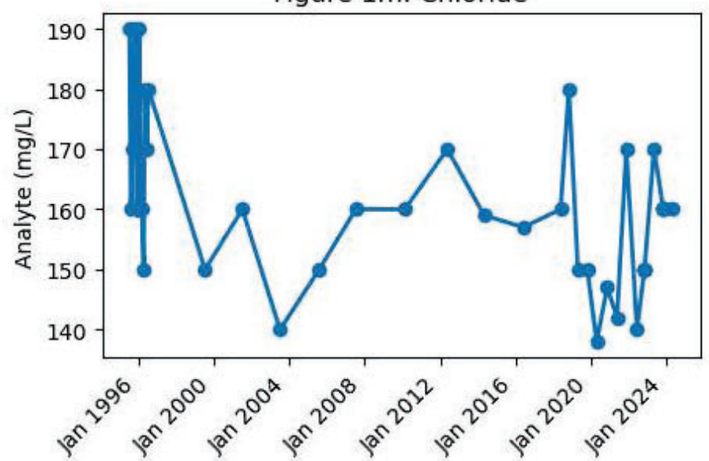


Figure 1n. Chromium

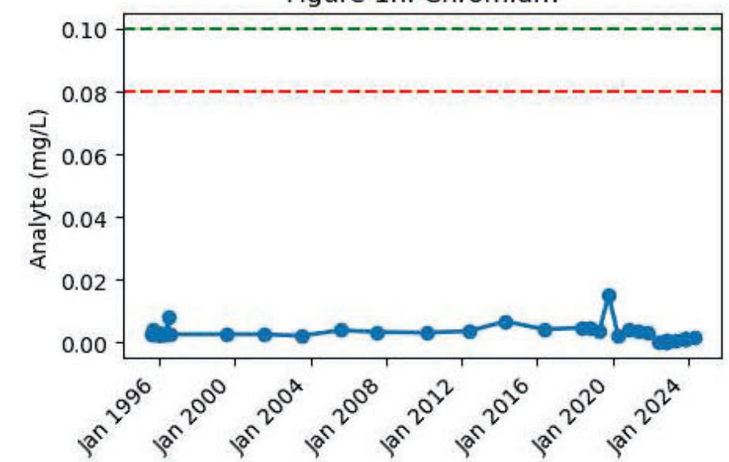


Figure 1o. Cobalt

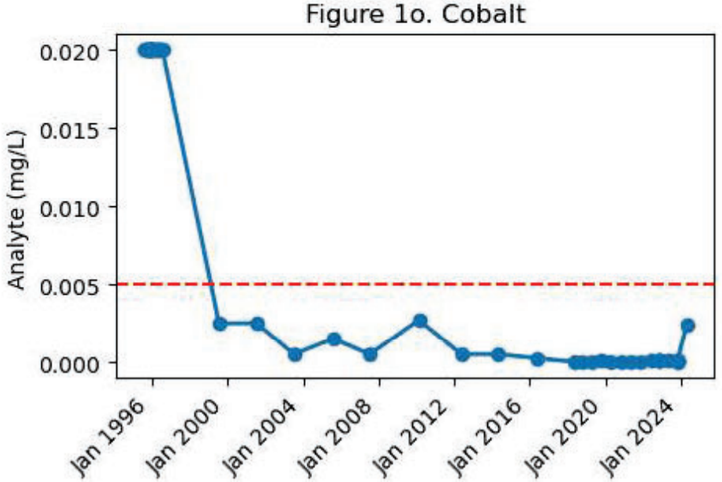
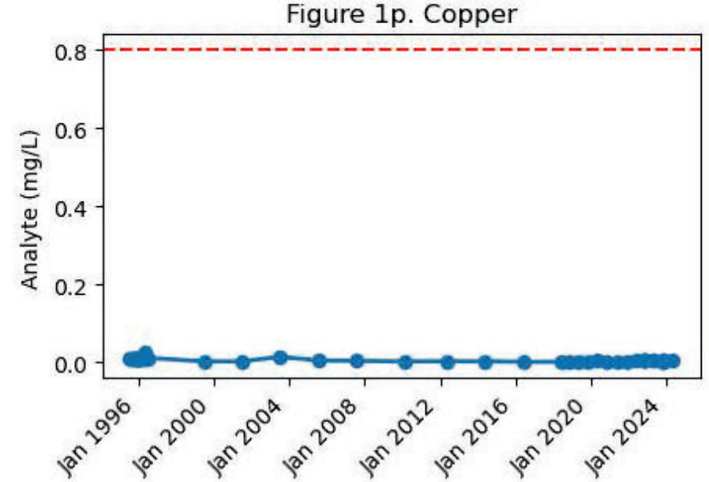


Figure 1p. Copper



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M14-GL Quarterly Analyte Graphs

Figure 1q. Ethylbenzene

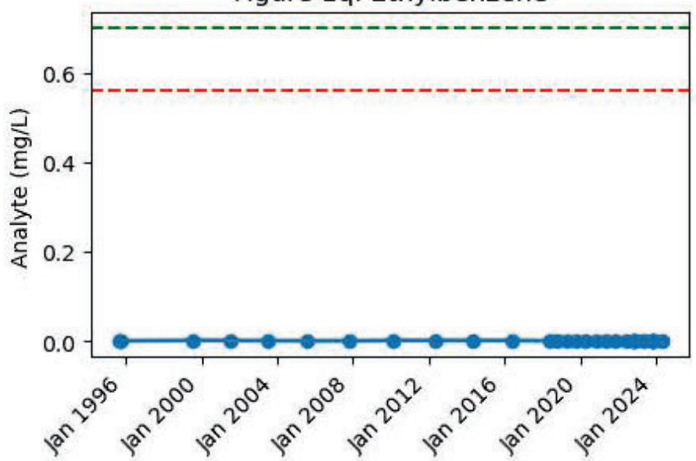


Figure 1r. Fluoride

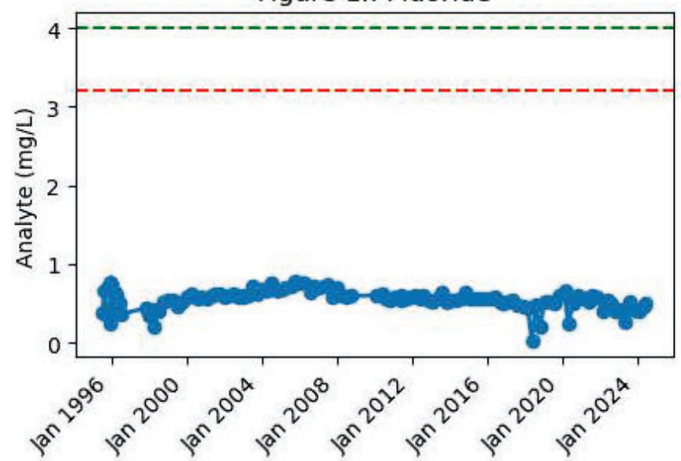


Figure 1s. Gross Alpha Analytes

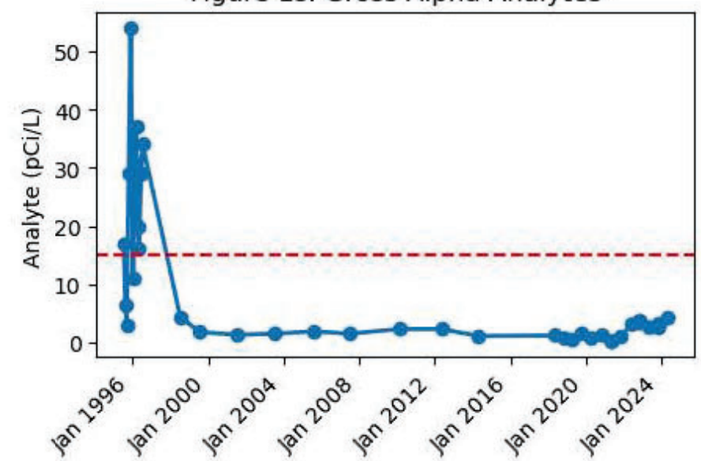


Figure 1t. Iron

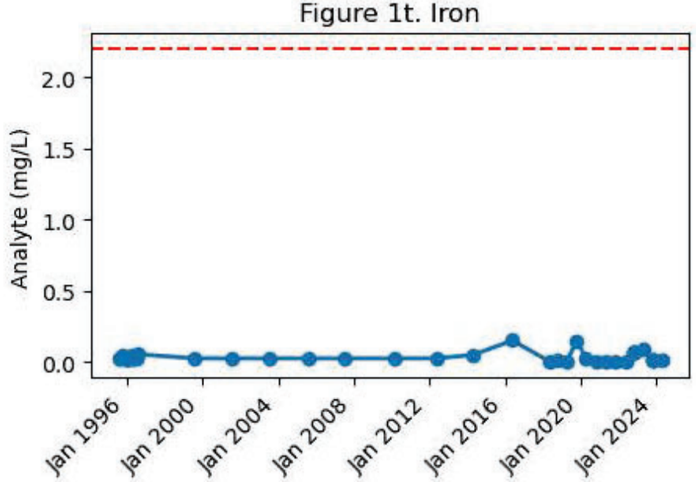


Figure 1u. Lead

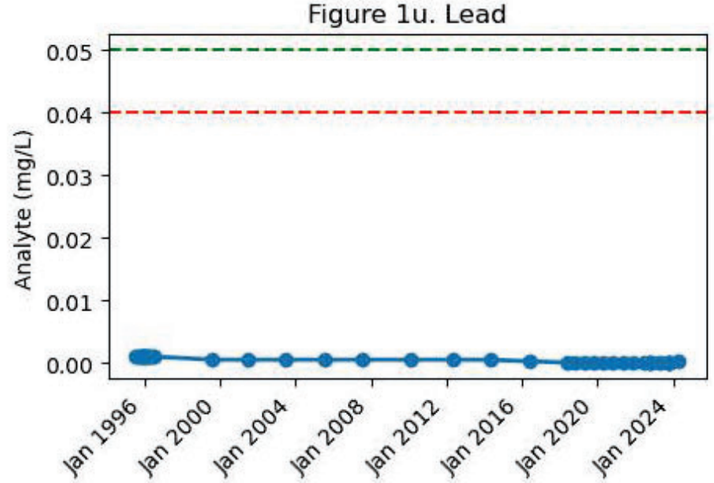


Figure 1v. Magnesium

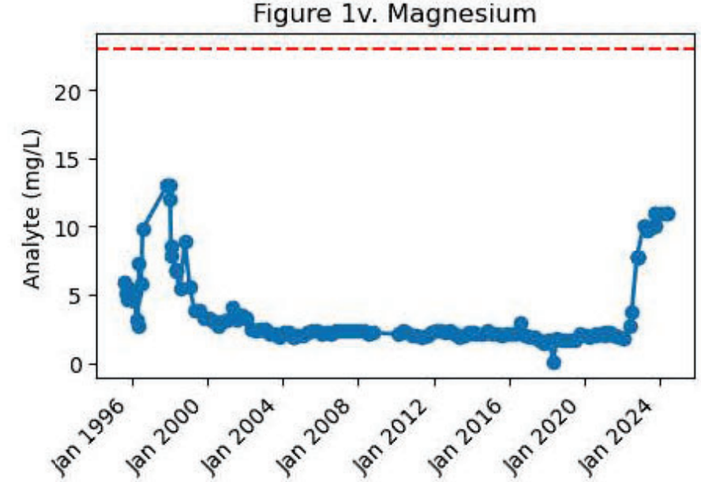


Figure 1w. Manganese

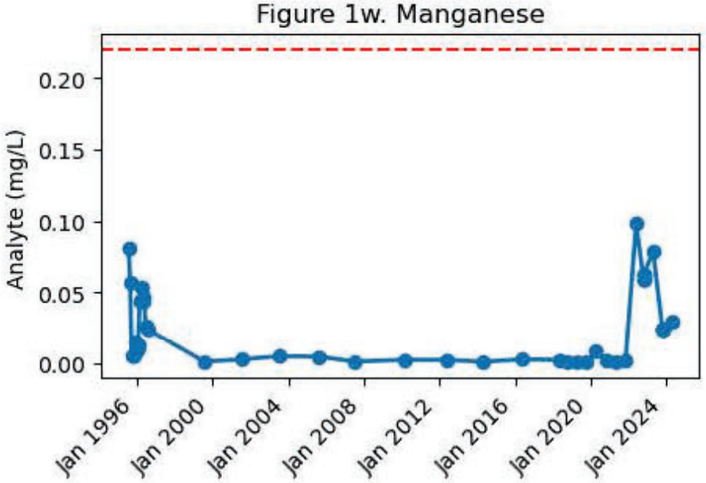
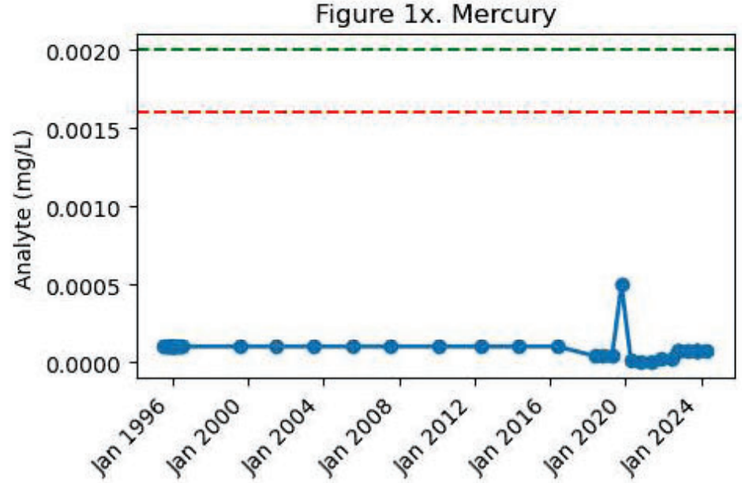


Figure 1x. Mercury



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Analyte

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M14-GL Quarterly Analyte Graphs

Figure 1y. Nickel

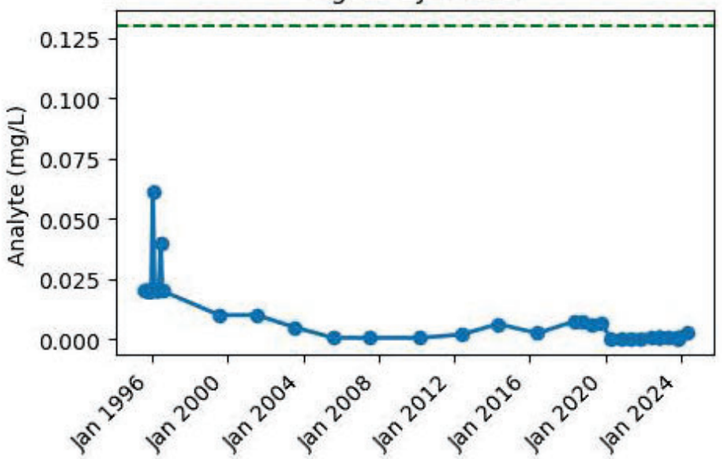


Figure 1z. Nitrate (as N)

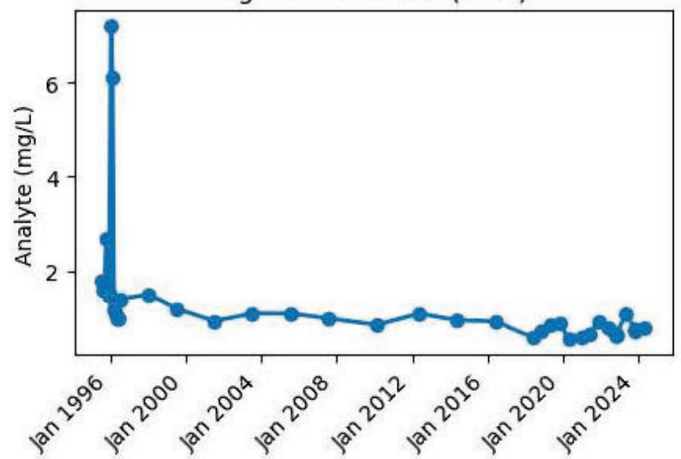


Figure 1aa. pH, Field

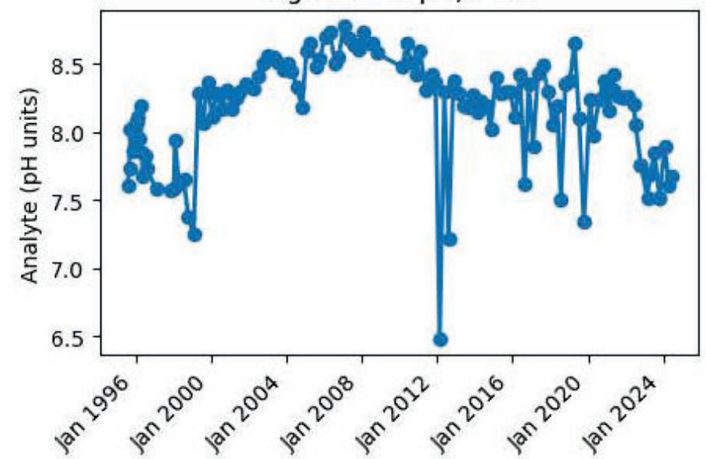


Figure 1ab. Potassium

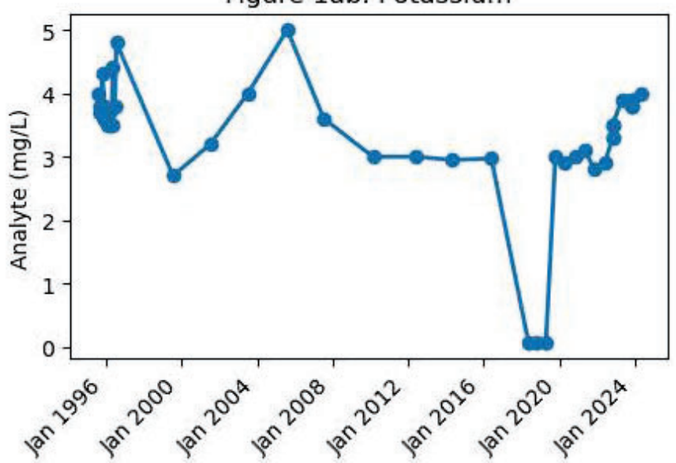


Figure 1ac. Radium-226 & 228

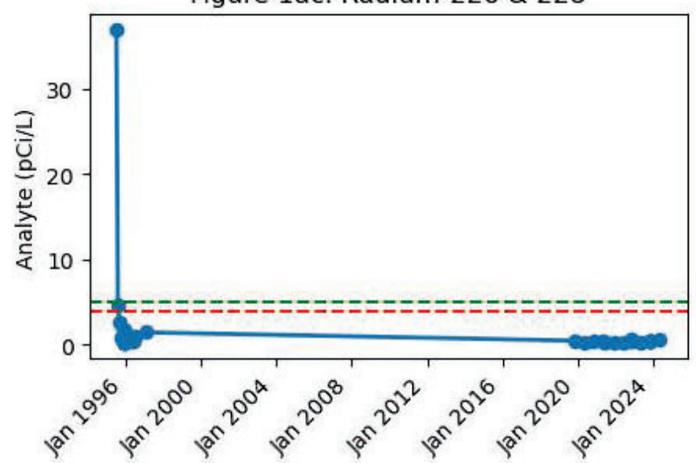


Figure 1ad. Selenium

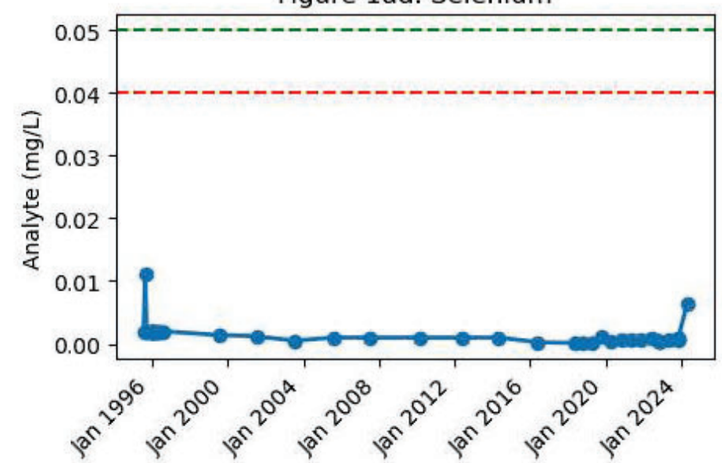


Figure 1ae. Sodium

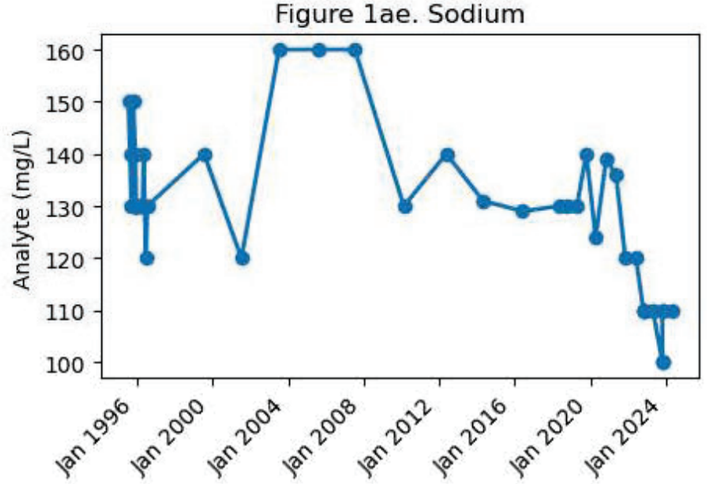
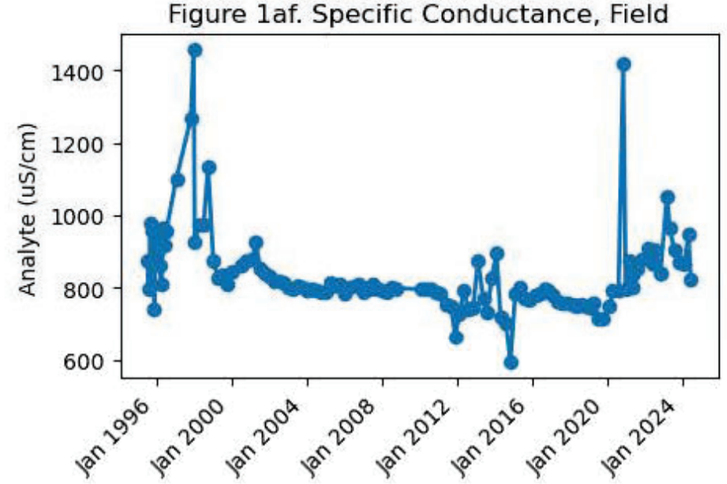


Figure 1af. Specific Conductance, Field



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M14-GL Quarterly Analyte Graphs

Figure 1ag. Sulfate

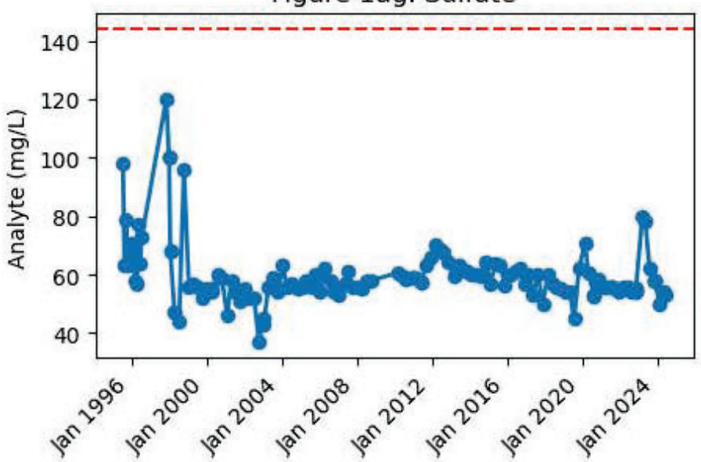


Figure 1ah. Temperature, Field

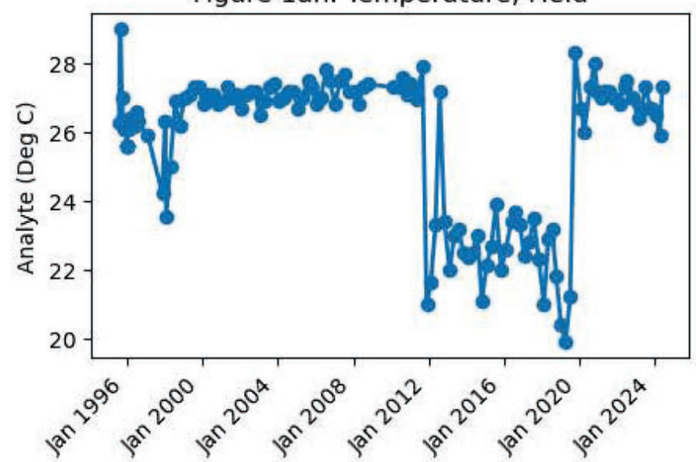


Figure 1ai. Thallium

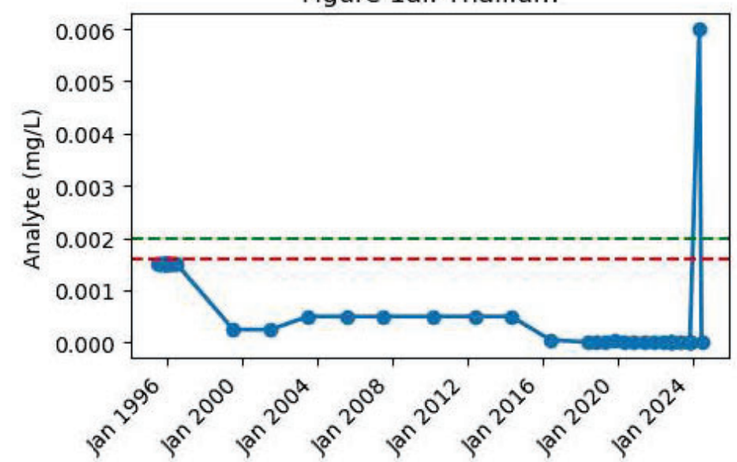


Figure 1aj. Toluene

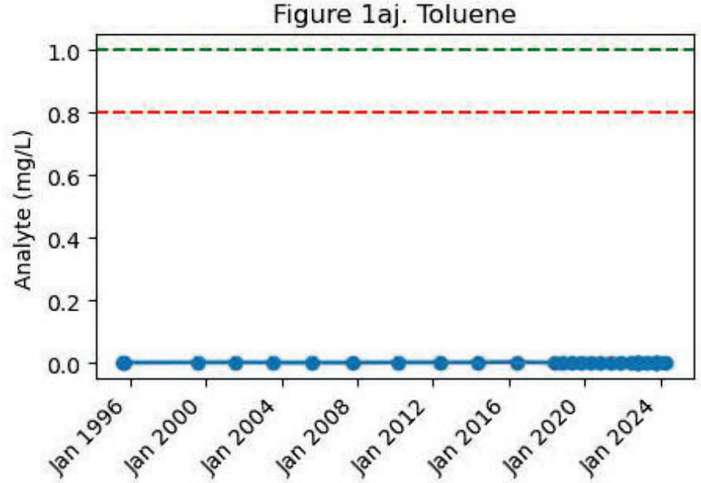


Figure 1ak. Total Dissolved Solids (TDS)

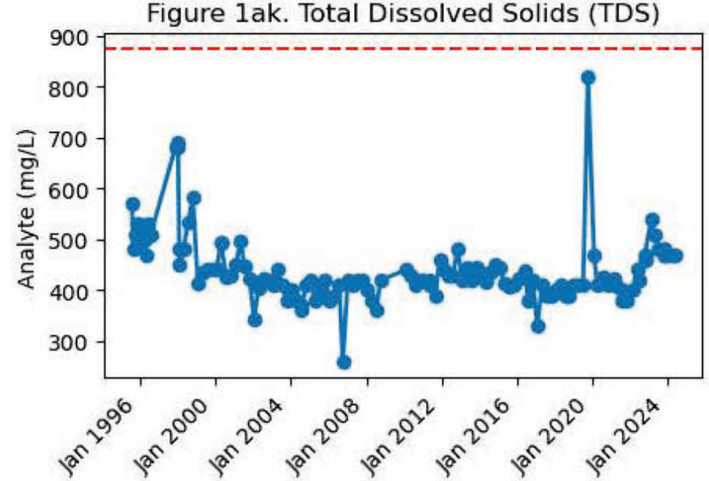


Figure 1al. Total Petroleum Hydrocarbons (C10-C22) Diesel

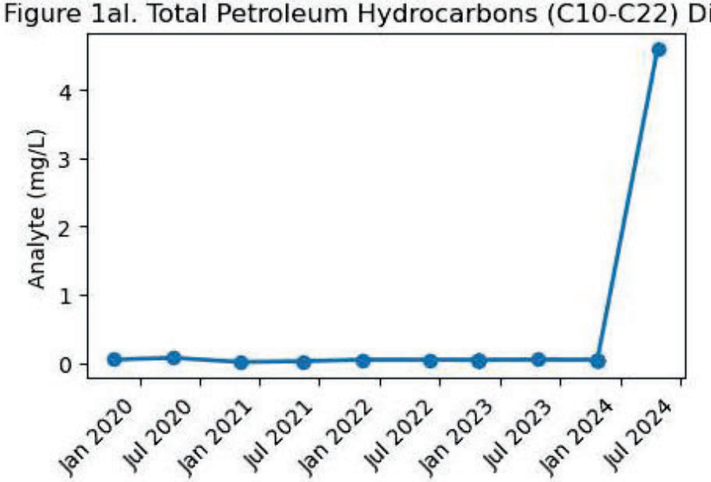


Figure 1am. Turbidity, Field

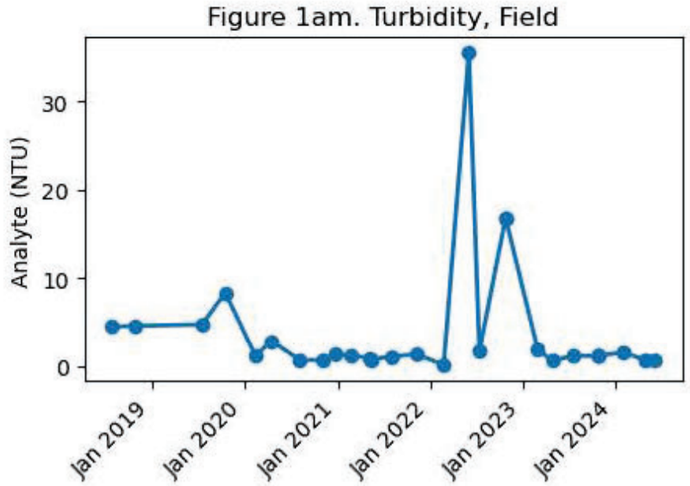
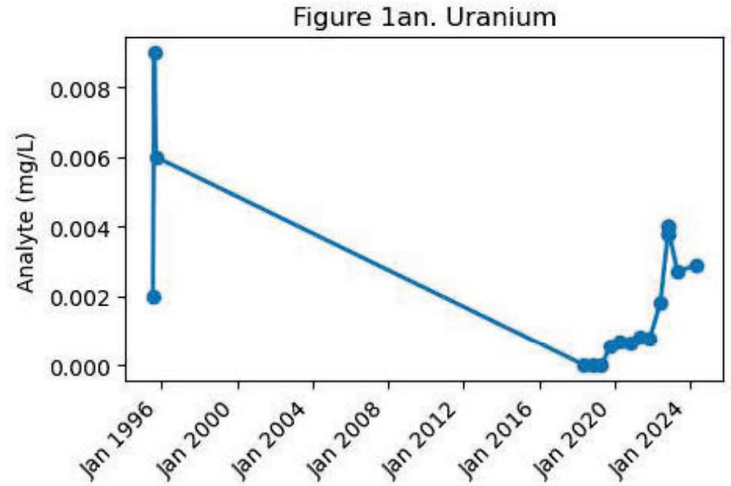


Figure 1an. Uranium



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M14-GL Quarterly Analyte Graphs

Figure 1ao. Xylene (Total)

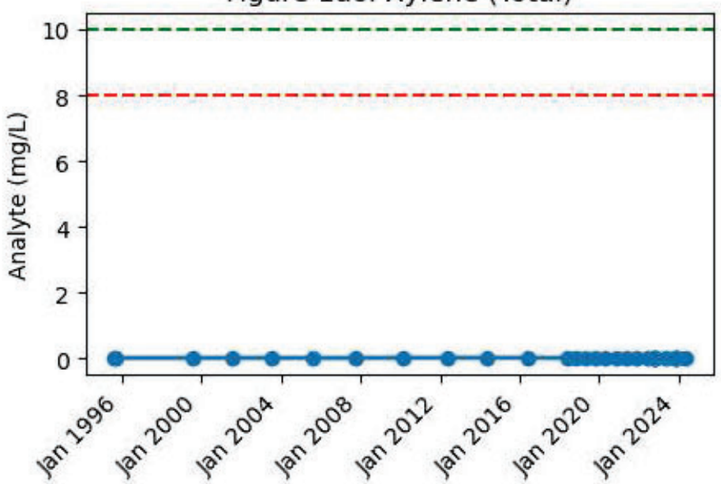


Figure 1ap. Zinc

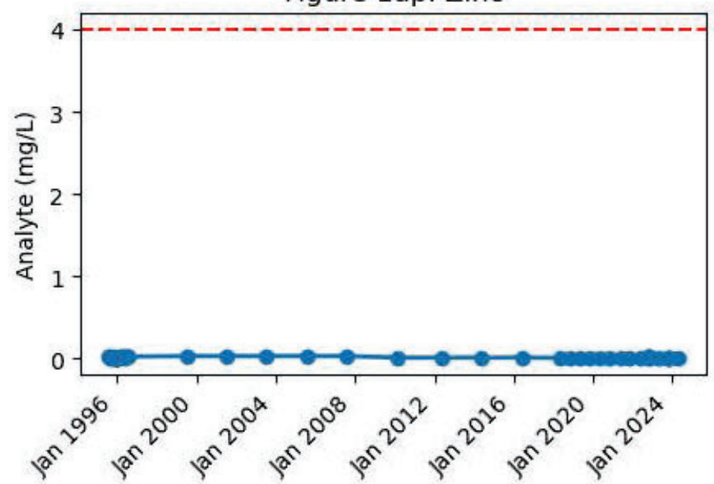


Figure 1aq. Total Uranium Isotopes

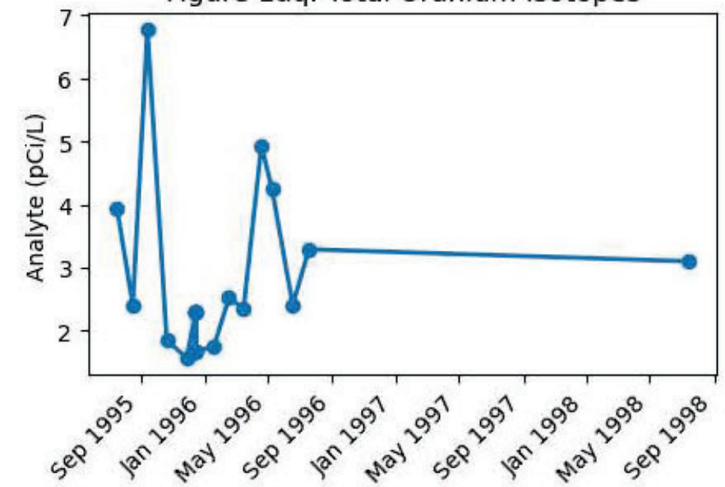
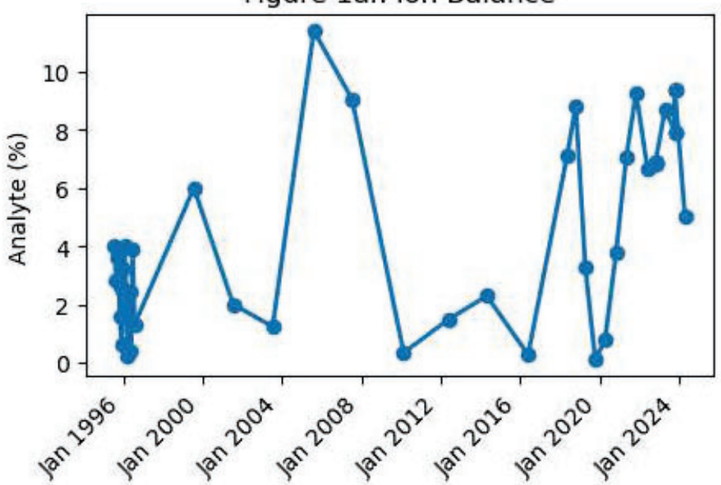


Figure 1ar. Ion Balance



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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M15-GU Quarterly Analyte Graphs

Figure 2a. Alkalinity, Bicarbonate

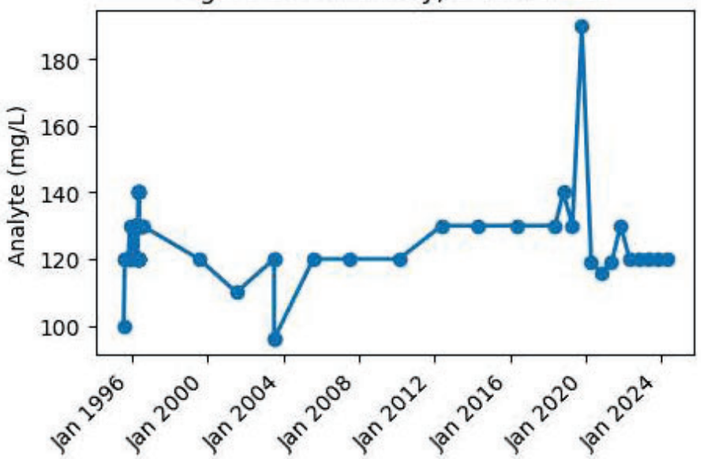


Figure 2b. Alkalinity, Carbonate

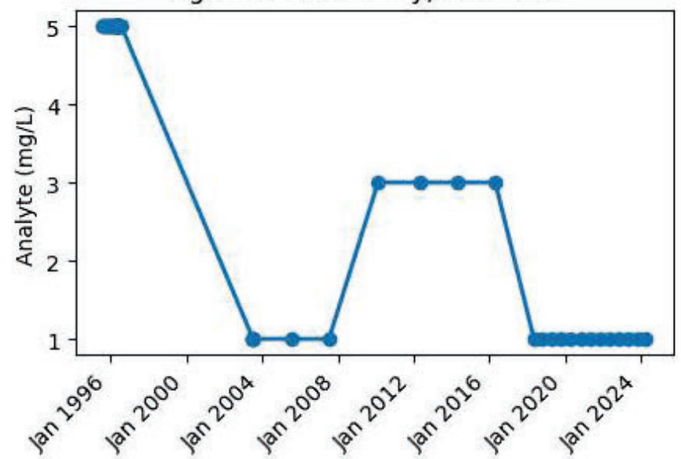


Figure 2c. Alkalinity, Hydroxide

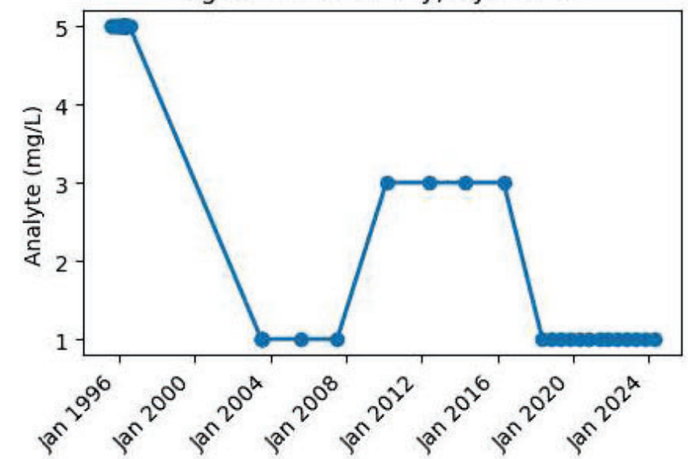


Figure 2d. Alkalinity, Total (as CaCO3)

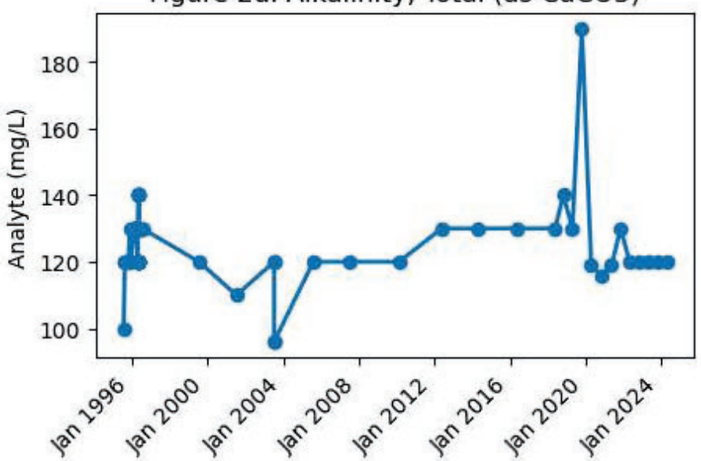


Figure 2e. Aluminum

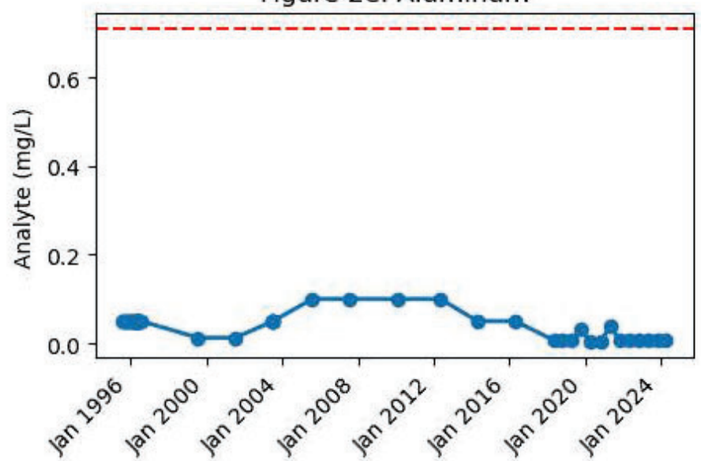


Figure 2f. Antimony

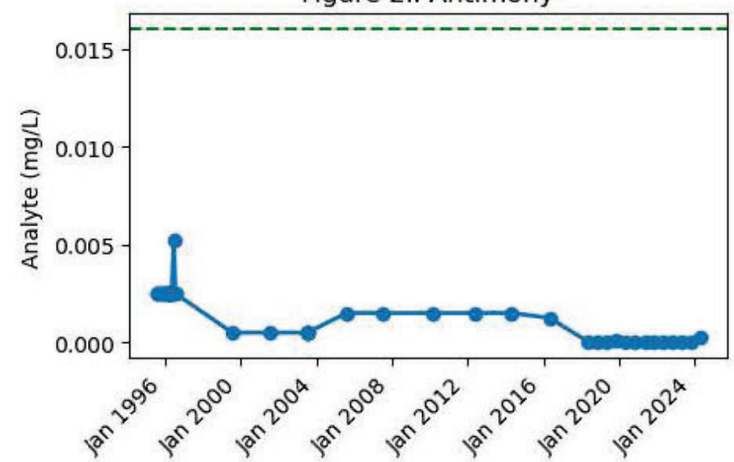


Figure 2g. Arsenic

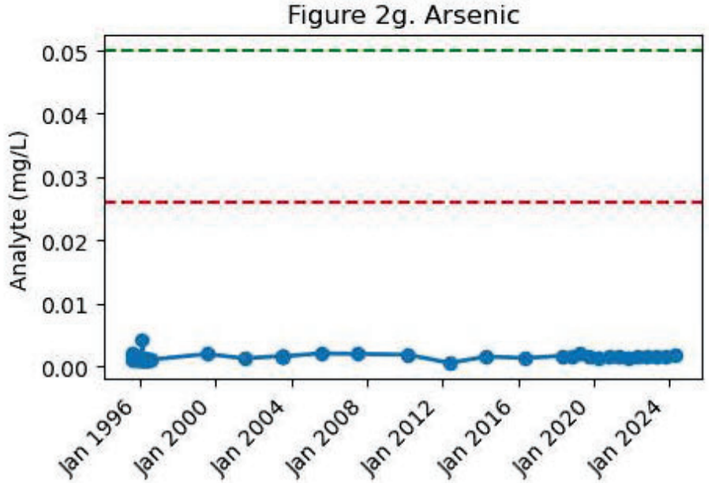
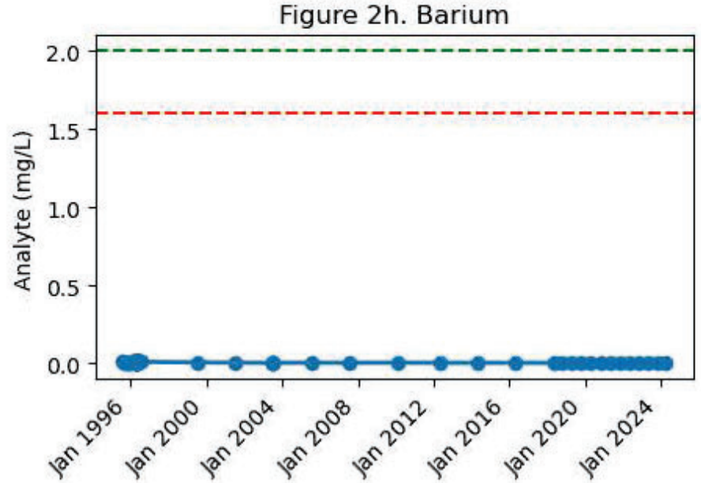


Figure 2h. Barium



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AQL (APP & UIC)
Analyte

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M15-GU Quarterly Analyte Graphs

Figure 2i. Benzene

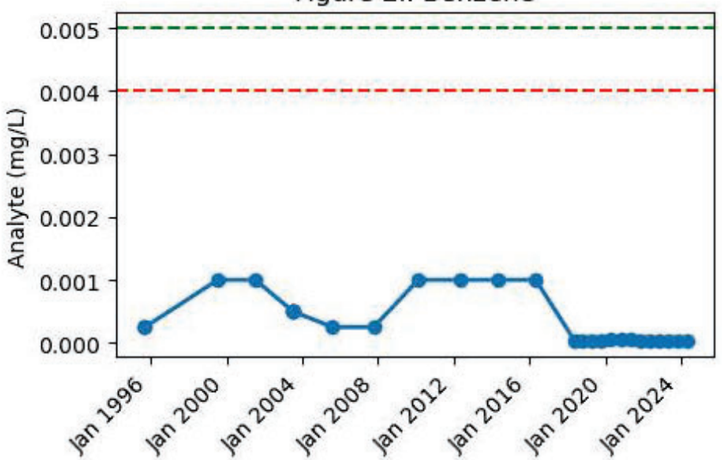


Figure 2j. Beryllium

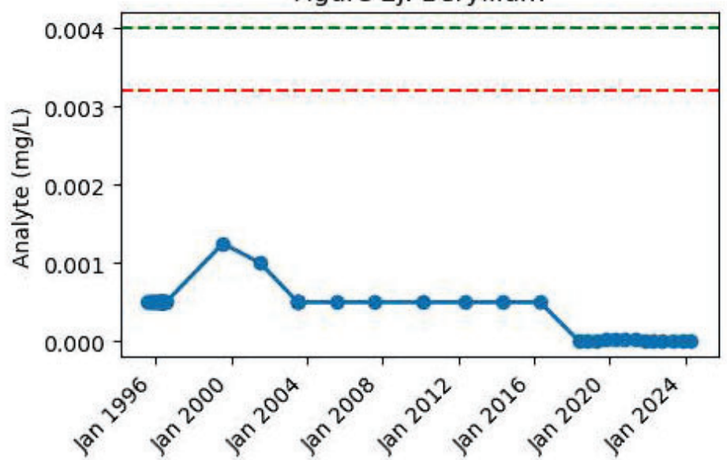


Figure 2k. Cadmium

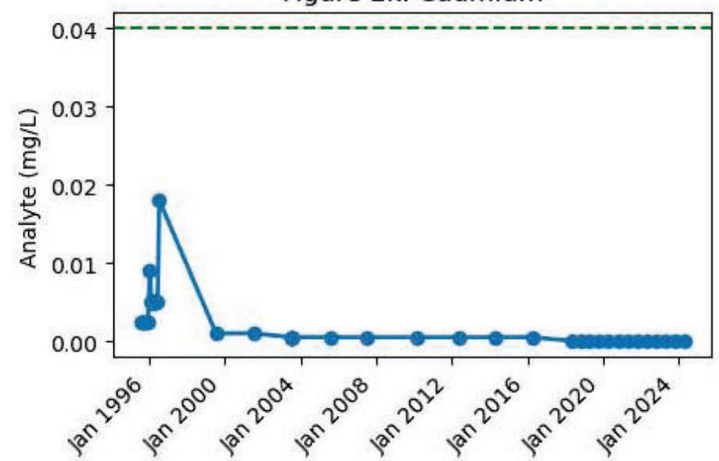


Figure 2l. Calcium

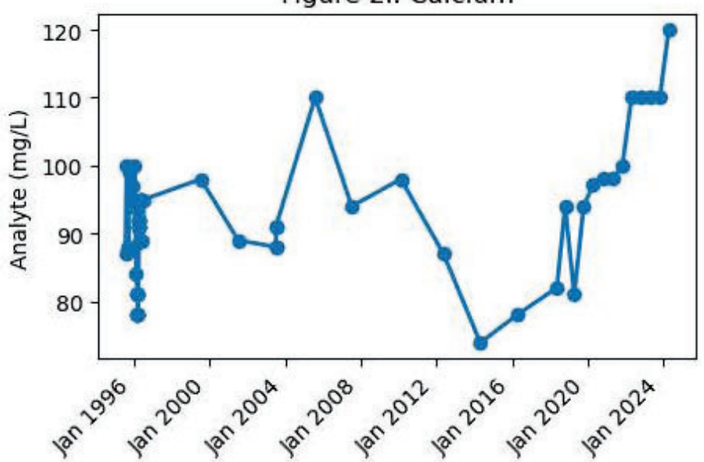


Figure 2m. Chloride

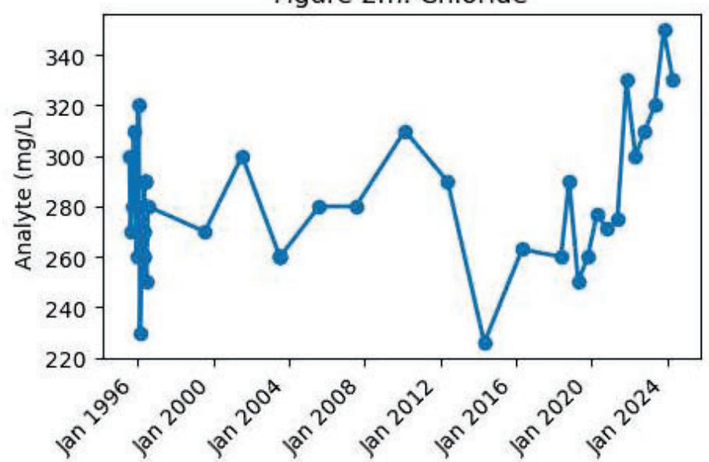


Figure 2n. Chromium

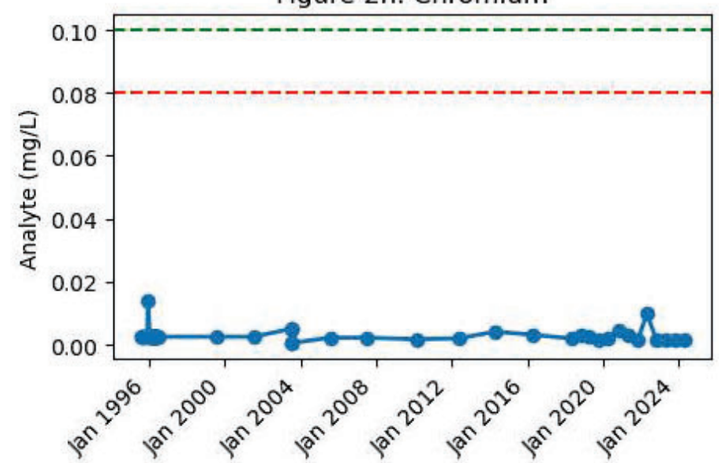


Figure 2o. Cobalt

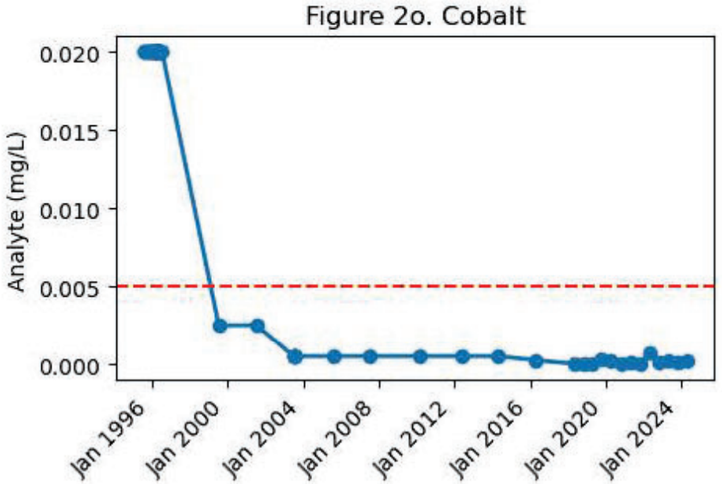
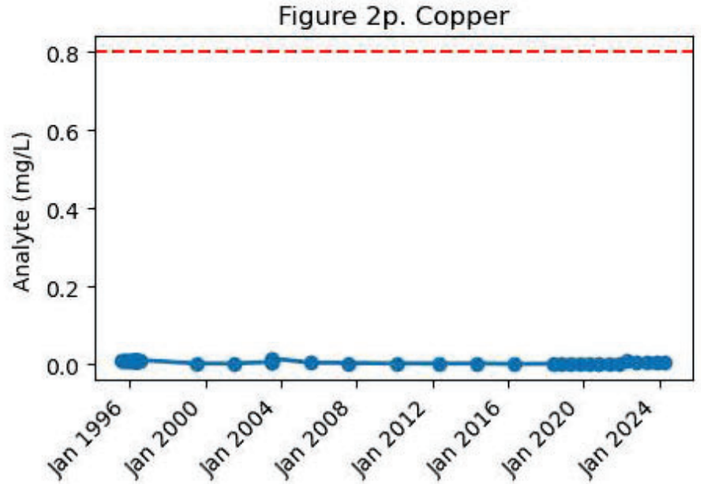
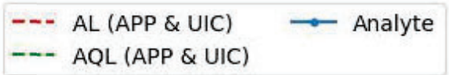


Figure 2p. Copper





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M15-GU Quarterly Analyte Graphs

Figure 2q. Ethylbenzene

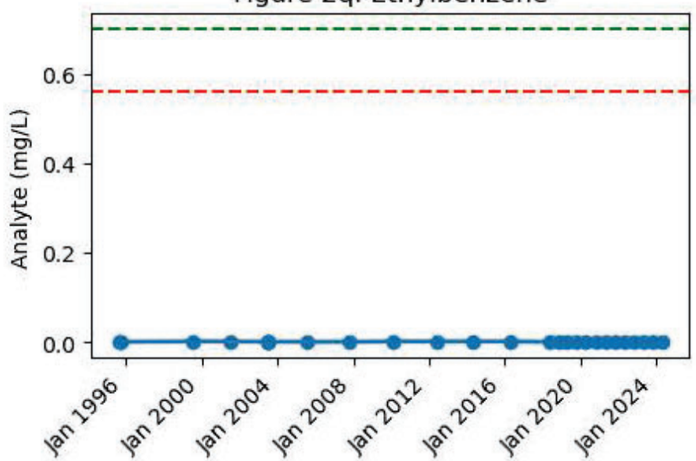


Figure 2r. Fluoride

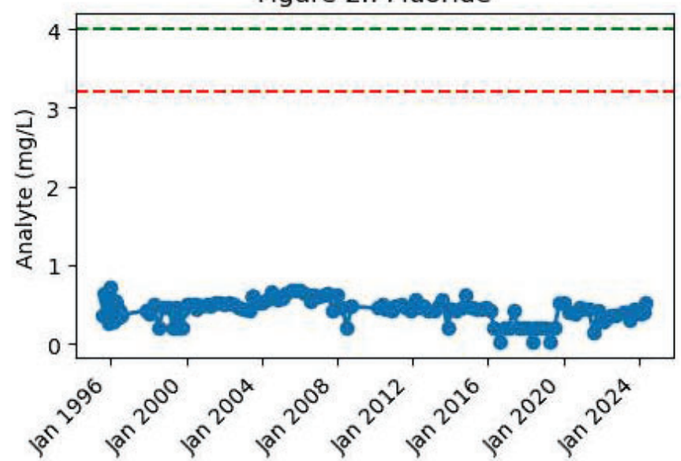


Figure 2s. Gross Alpha Analytes

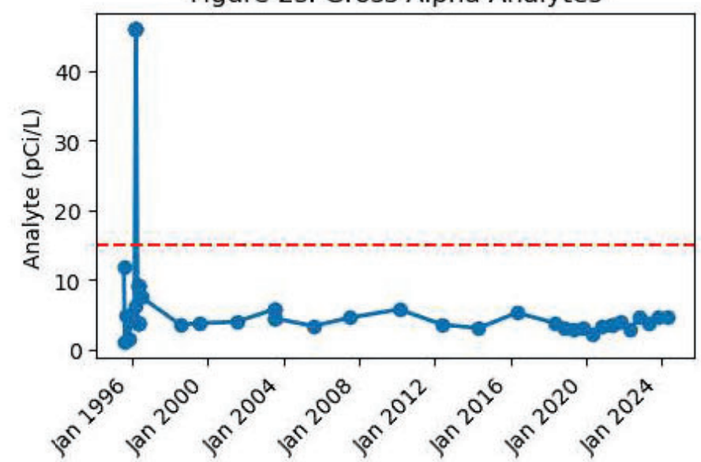


Figure 2t. Iron

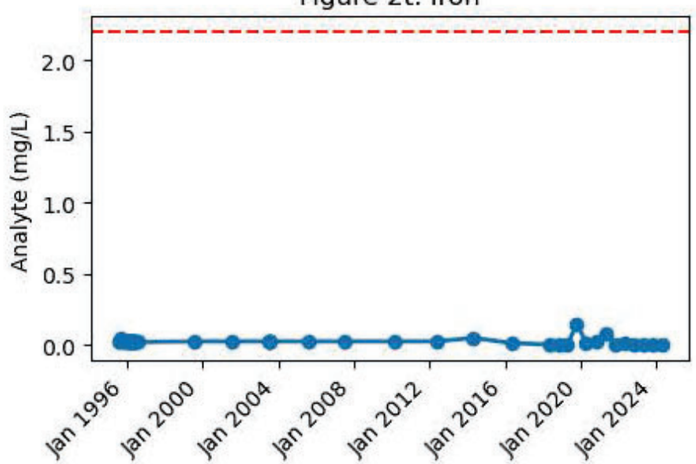


Figure 2u. Lead

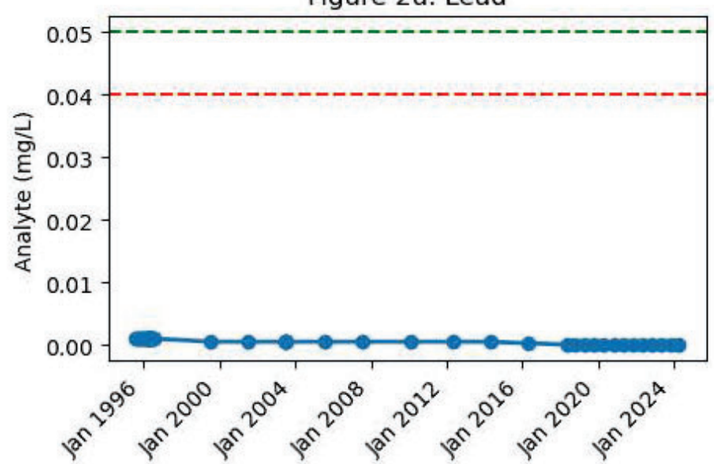


Figure 2v. Magnesium

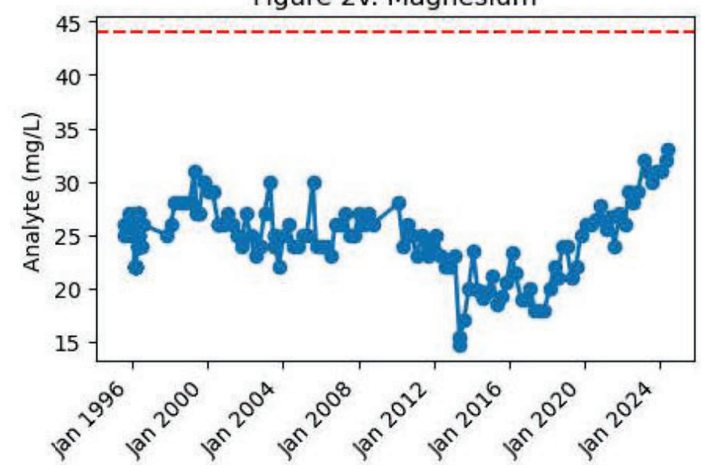


Figure 2w. Manganese

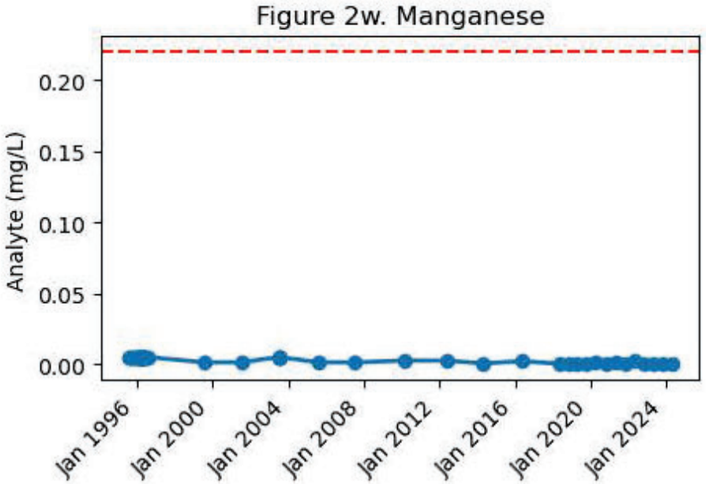
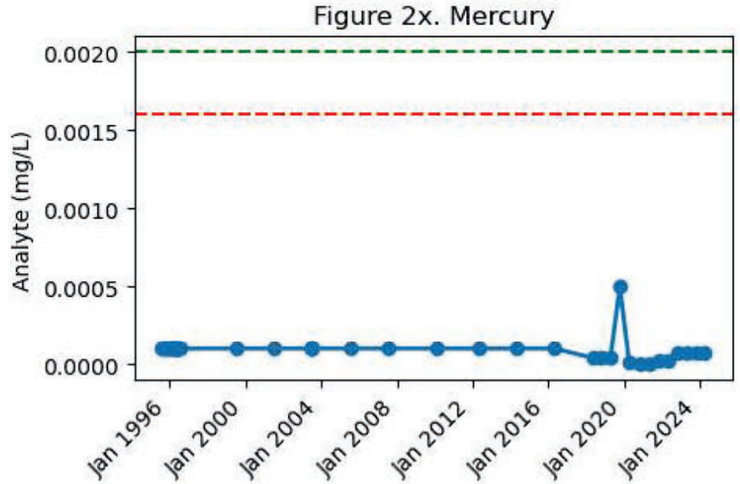


Figure 2x. Mercury



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M15-GU Quarterly Analyte Graphs

Figure 2y. Nickel

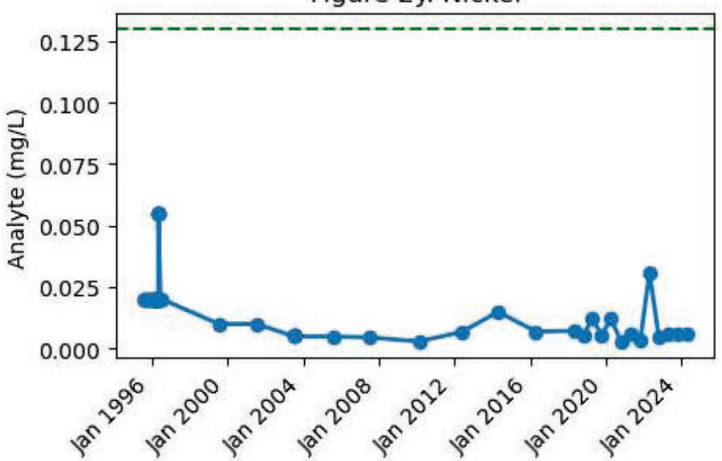


Figure 2z. Nitrate (as N)

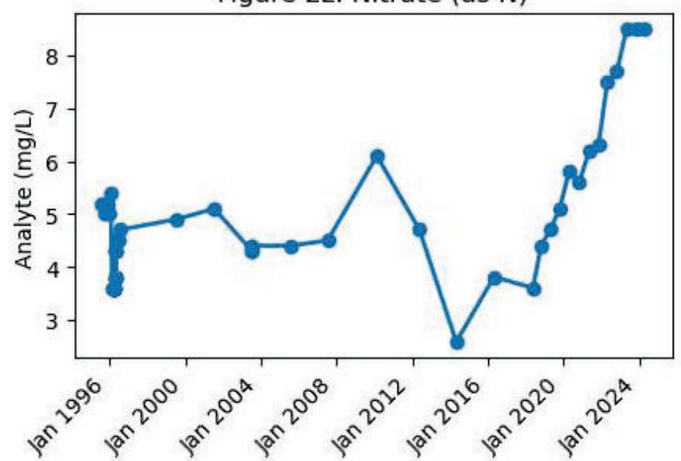


Figure 2aa. pH, Field

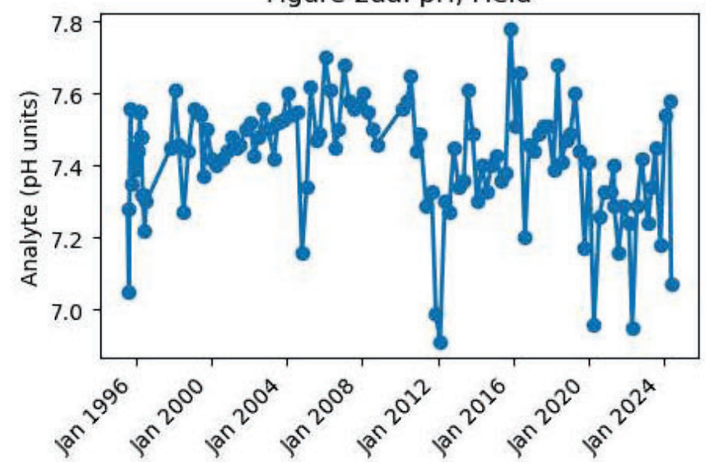


Figure 2ab. Potassium

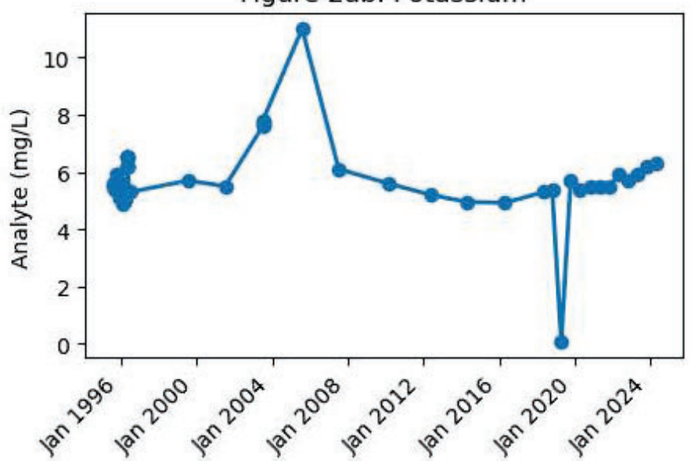


Figure 2ac. Radium-226 & 228

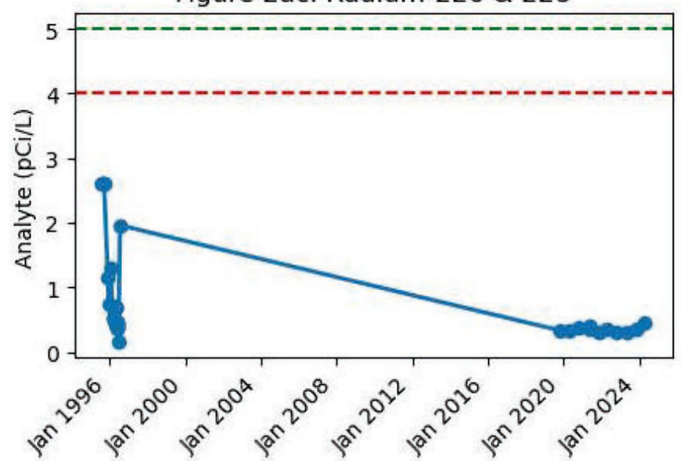


Figure 2ad. Selenium

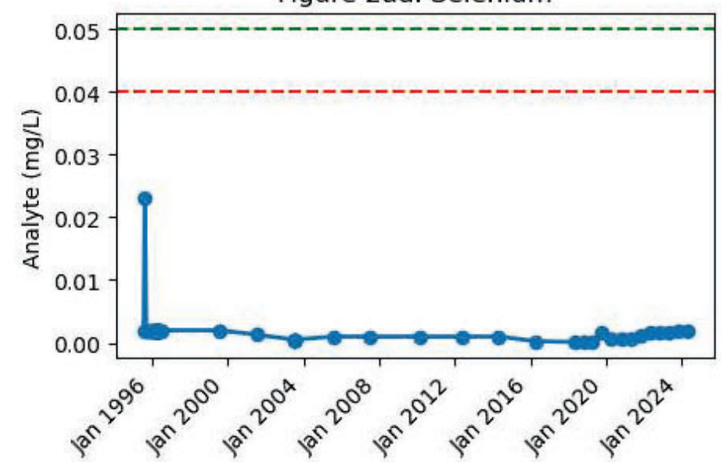


Figure 2ae. Sodium

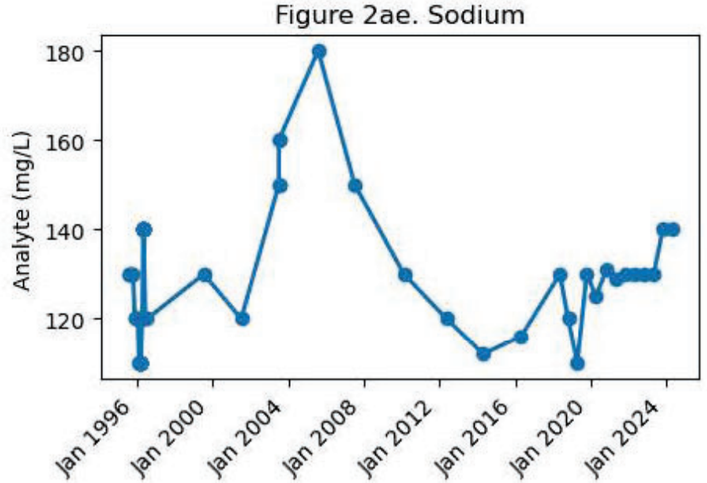
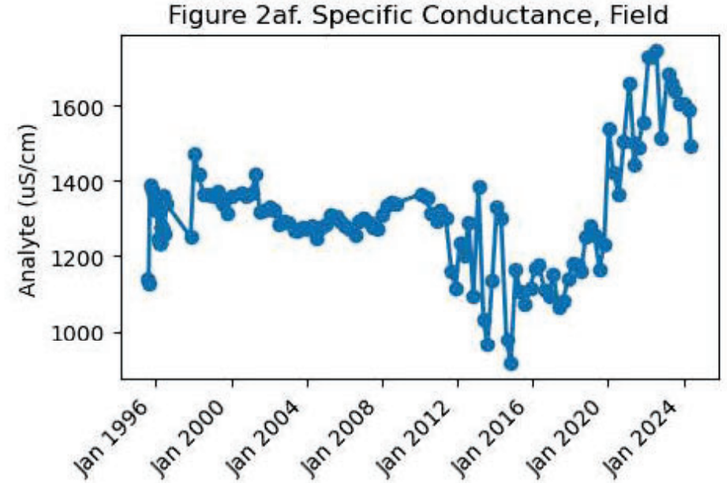


Figure 2af. Specific Conductance, Field



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M15-GU Quarterly Analyte Graphs

Figure 2ag. Sulfate

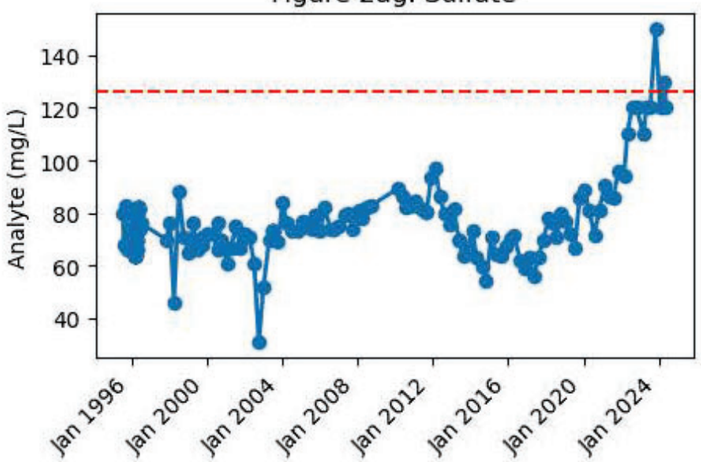


Figure 2ah. Temperature, Field

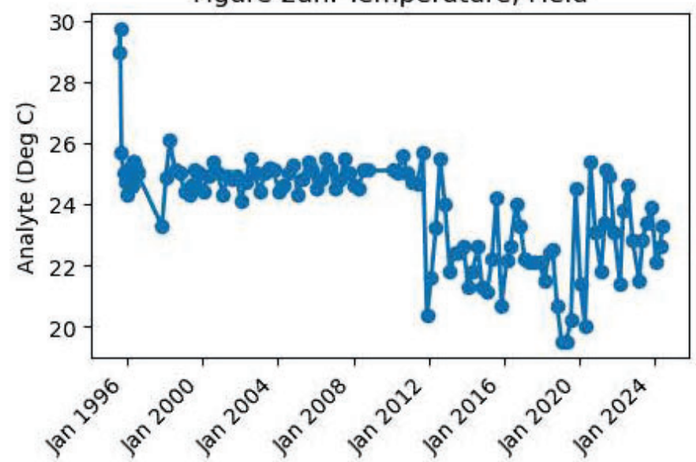


Figure 2ai. Thallium

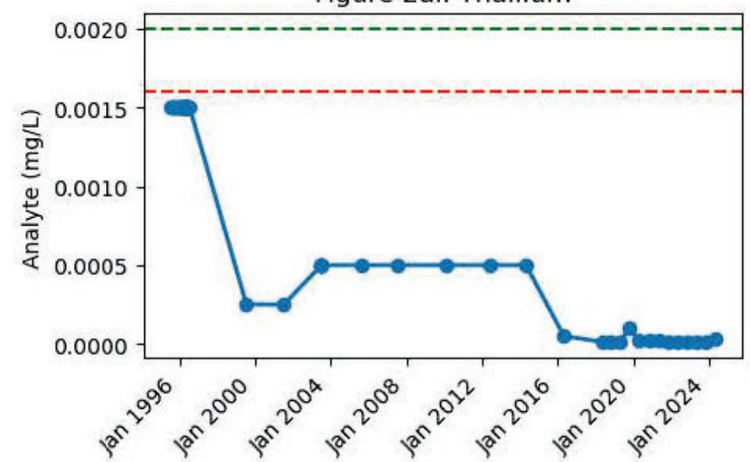


Figure 2aj. Toluene

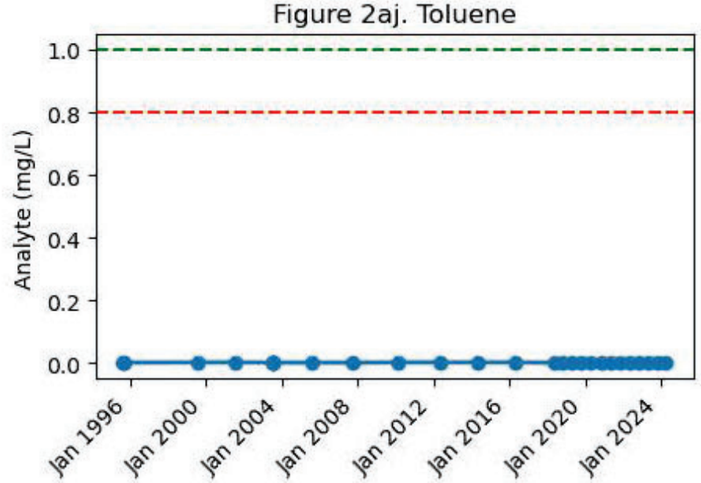


Figure 2ak. Total Dissolved Solids (TDS)

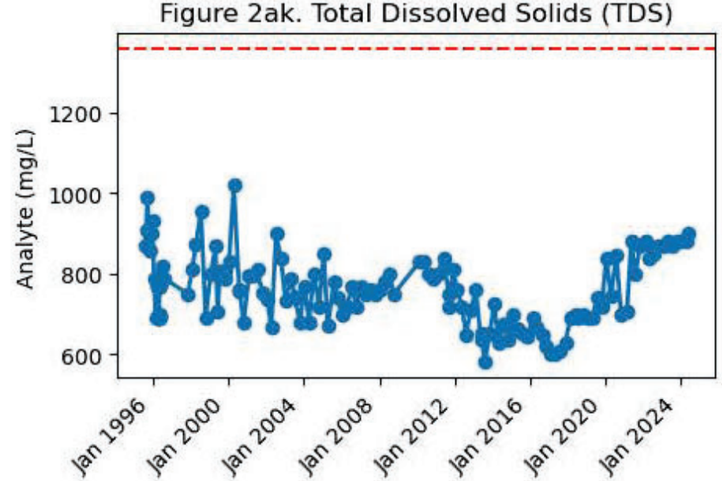


Figure 2al. Total Petroleum Hydrocarbons (C10-C22) Diesel

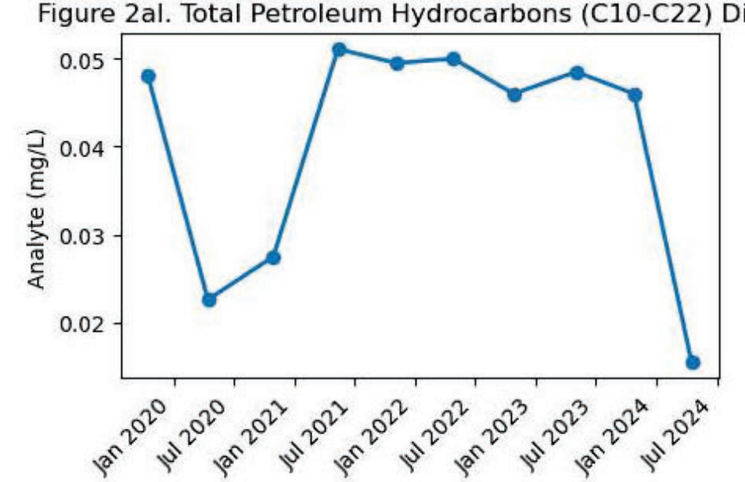


Figure 2am. Turbidity, Field

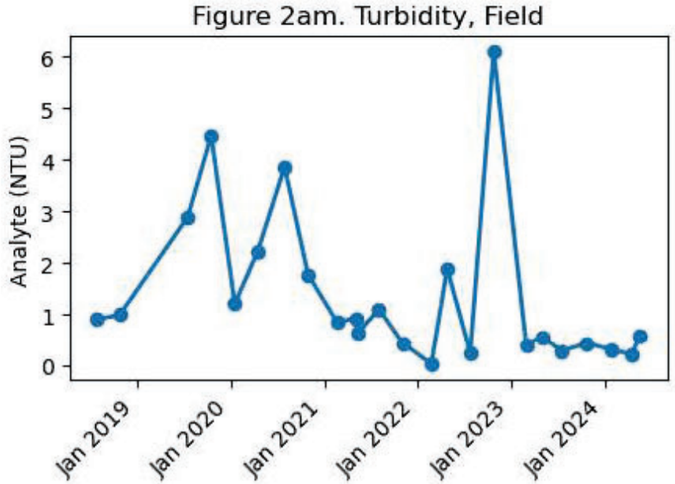
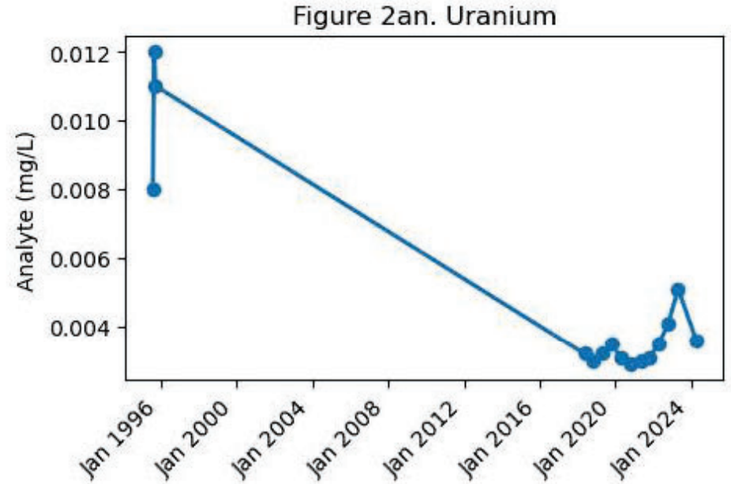


Figure 2an. Uranium



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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M15-GU Quarterly Analyte Graphs

Figure 2ao. Xylene (Total)

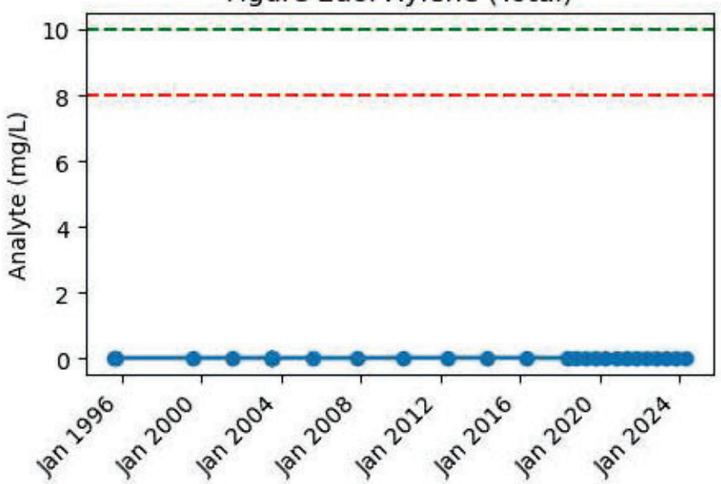


Figure 2ap. Zinc

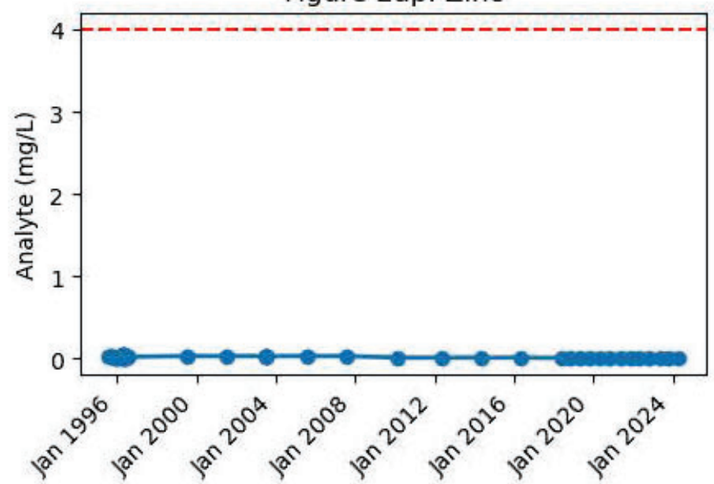


Figure 2aq. Total Uranium Isotopes

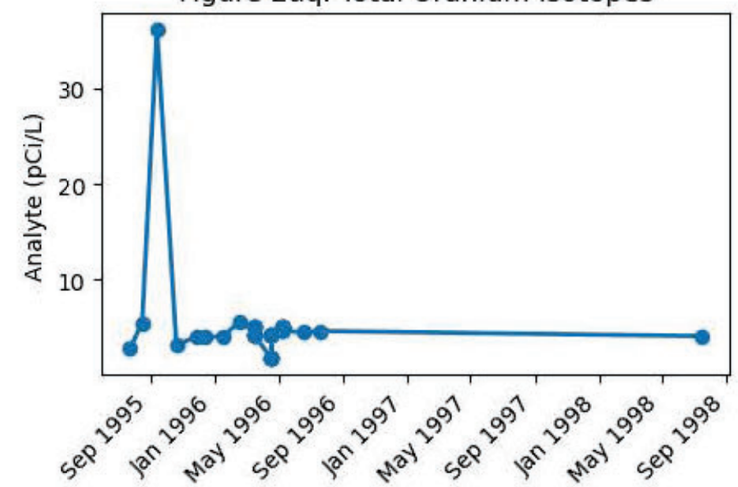
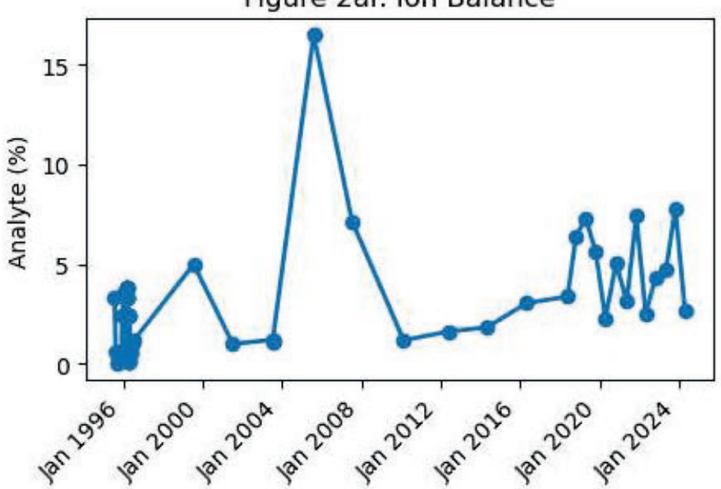
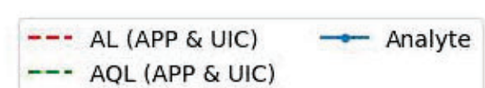


Figure 2ar. Ion Balance





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M16-GU(R) Quarterly Analyte Graphs

Figure 3a. Alkalinity, Bicarbonate

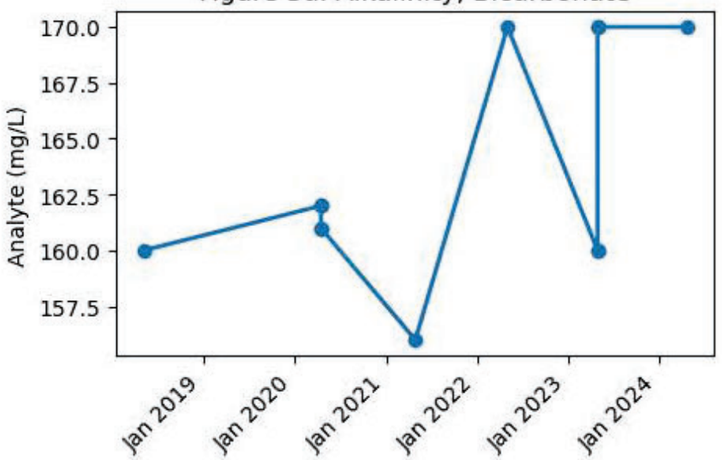


Figure 3b. Alkalinity, Carbonate

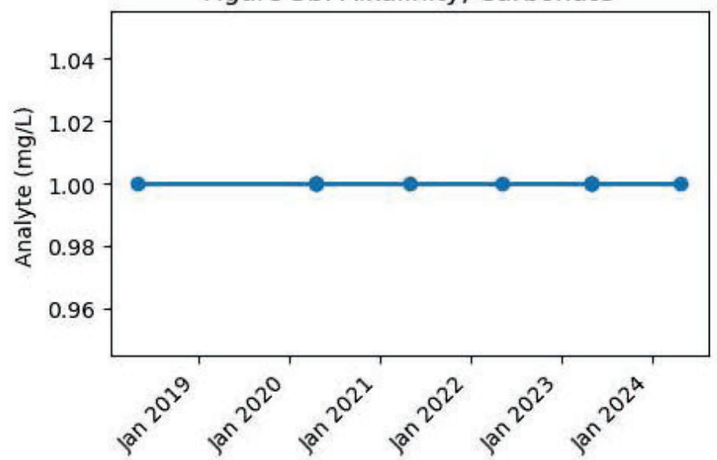


Figure 3c. Alkalinity, Hydroxide

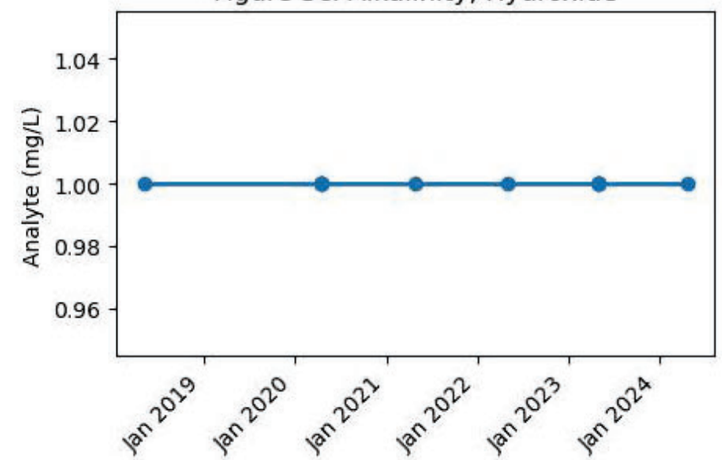


Figure 3d. Alkalinity, Total (as CaCO3)

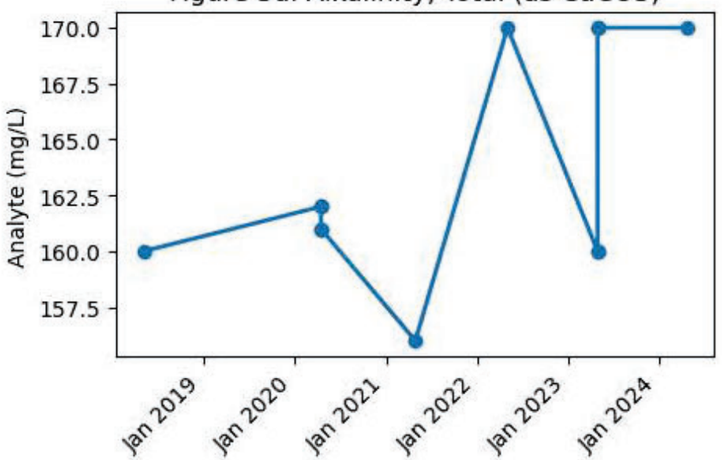


Figure 3e. Aluminum

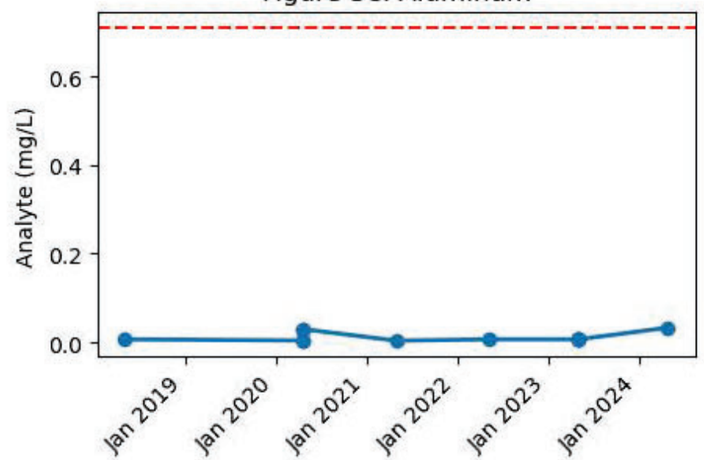


Figure 3f. Antimony

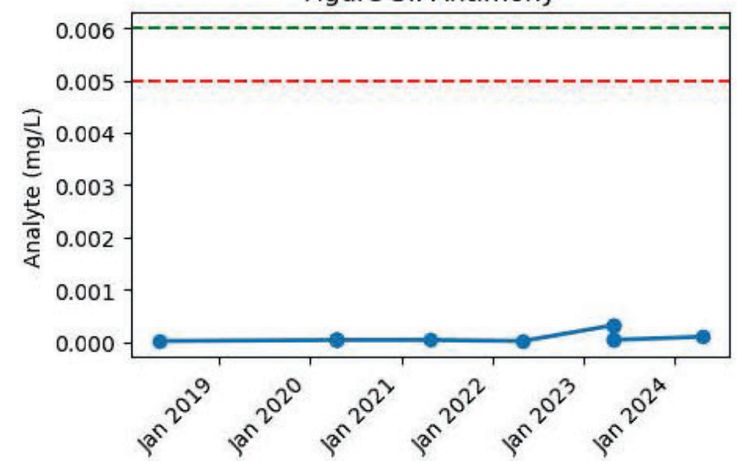


Figure 3g. Arsenic

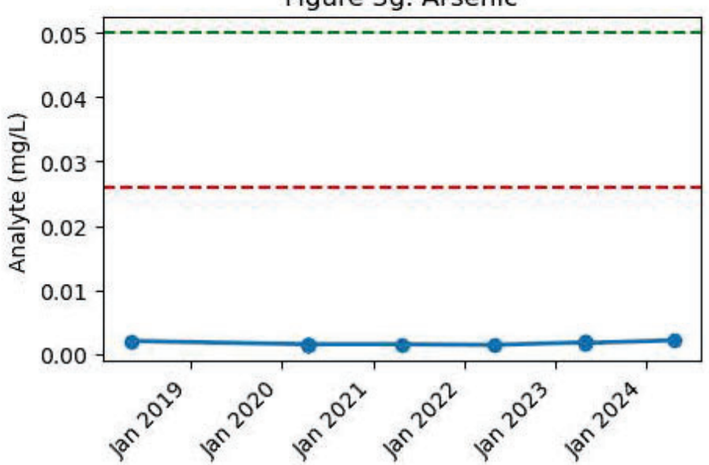
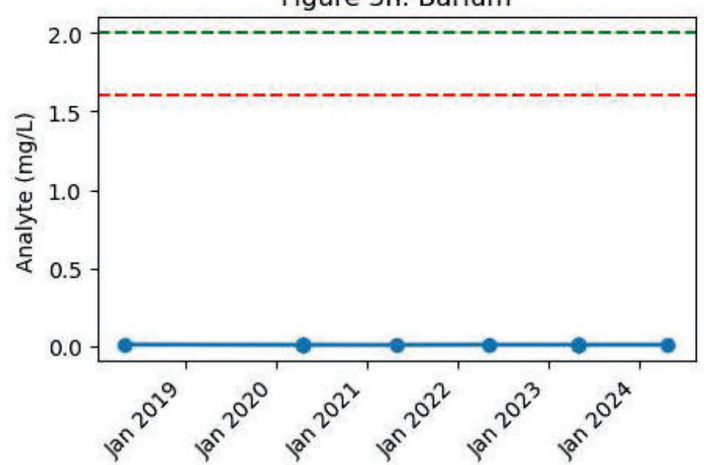


Figure 3h. Barium



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M16-GU(R) Quarterly Analyte Graphs

Figure 3i. Benzene

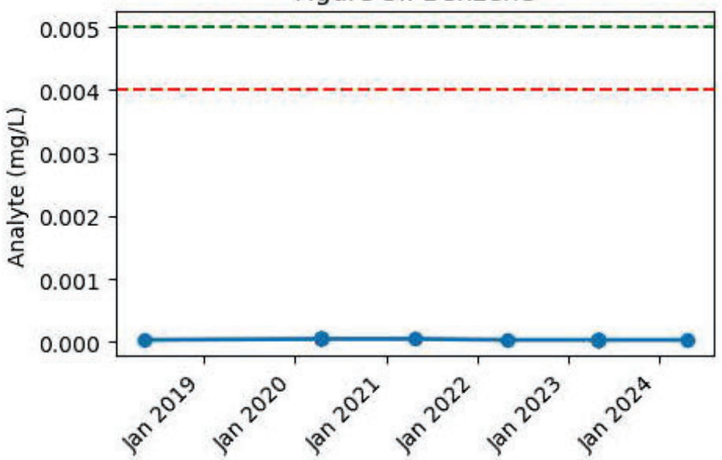


Figure 3j. Beryllium

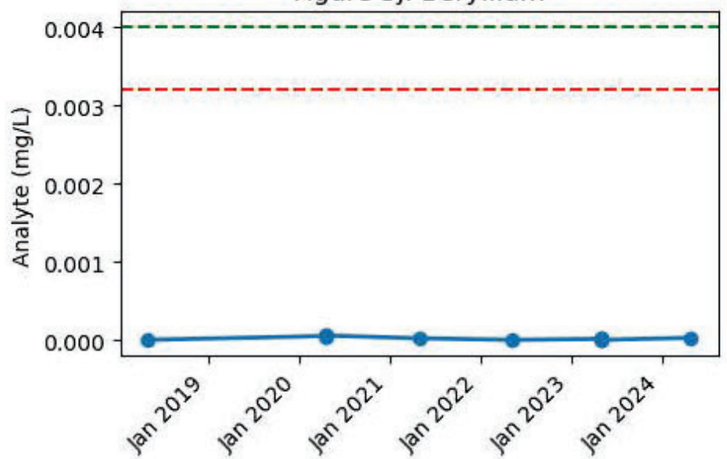


Figure 3k. Cadmium

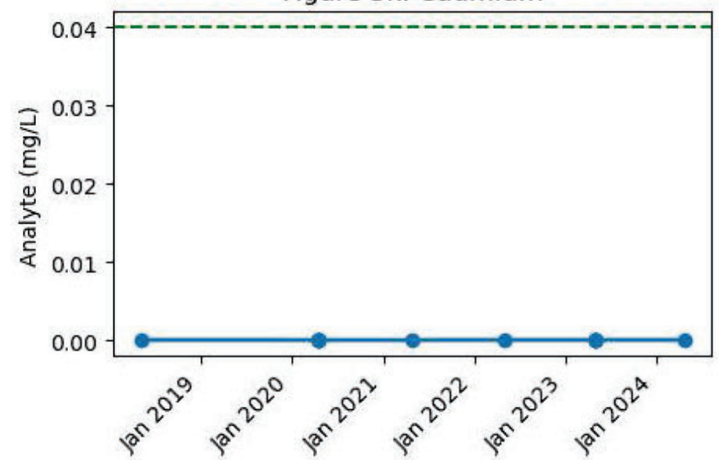


Figure 3l. Calcium

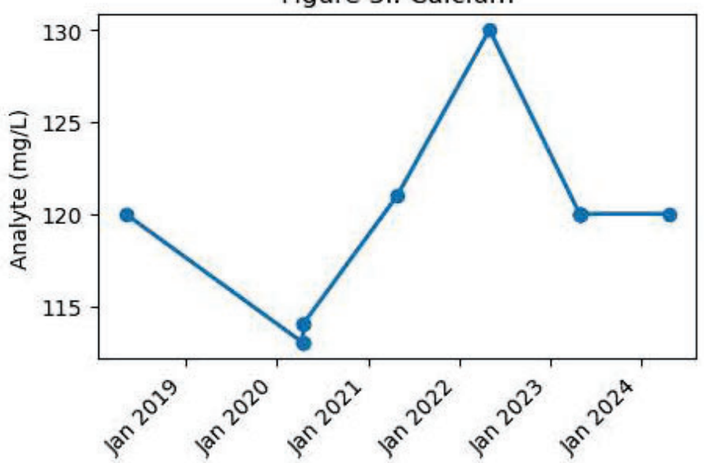


Figure 3m. Chloride

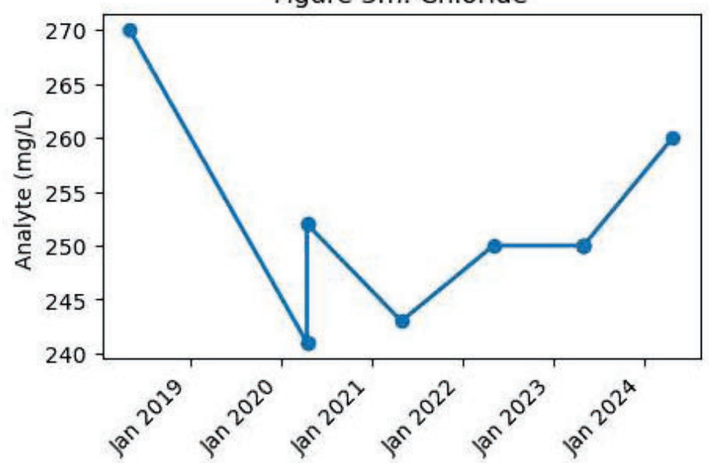


Figure 3n. Chromium

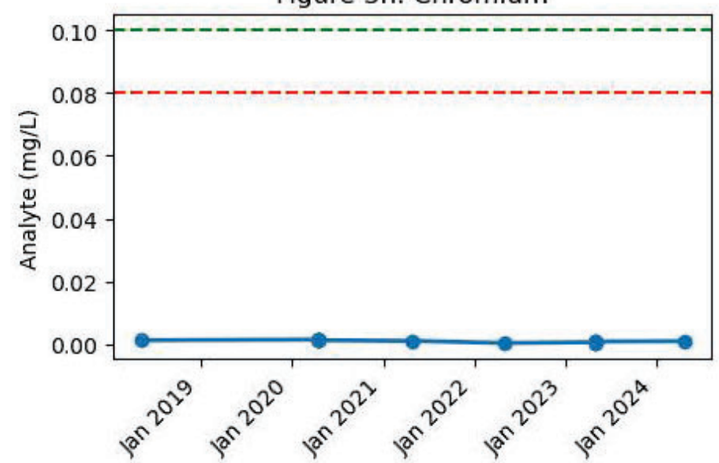


Figure 3o. Cobalt

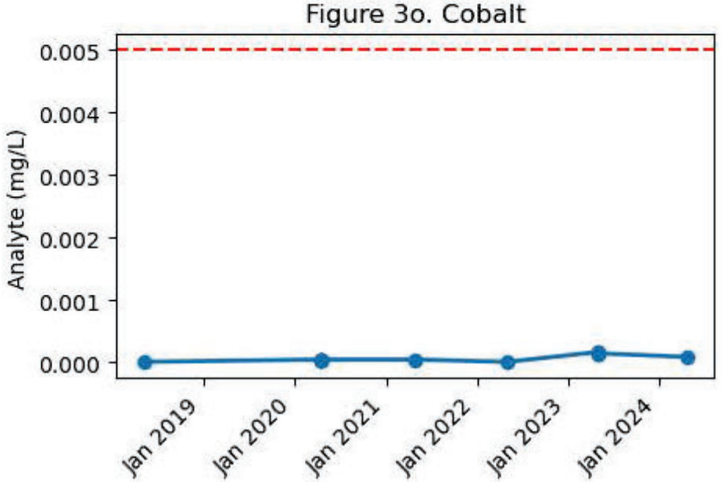
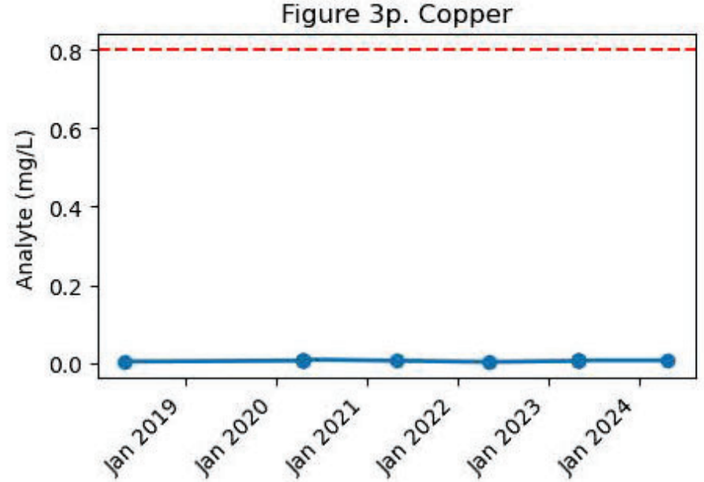


Figure 3p. Copper



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M16-GU(R) Quarterly Analyte Graphs

Figure 3q. Ethylbenzene

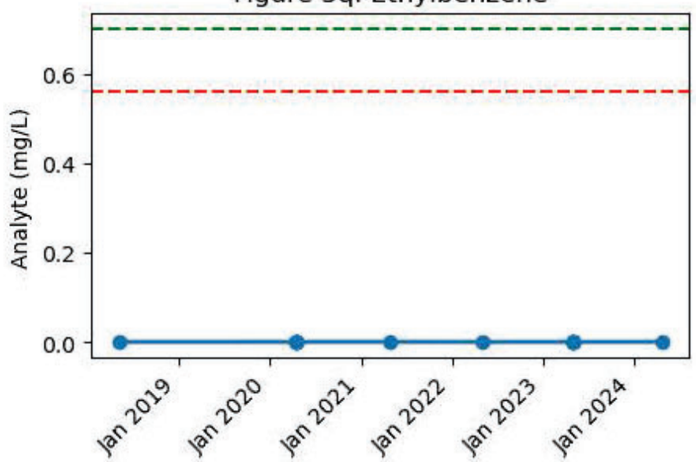


Figure 3r. Fluoride

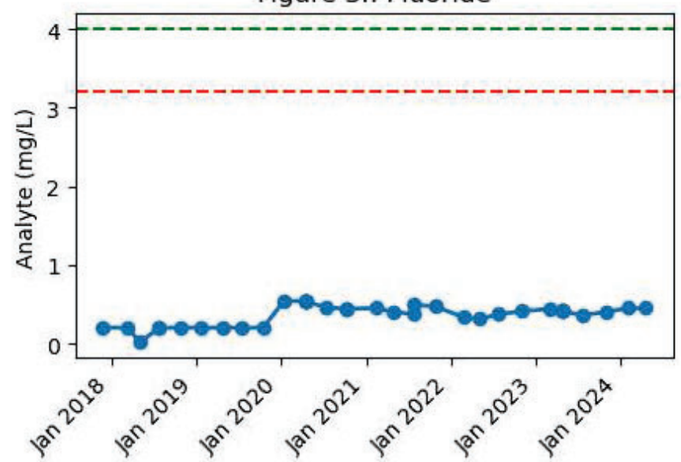


Figure 3s. Gross Alpha Analytes

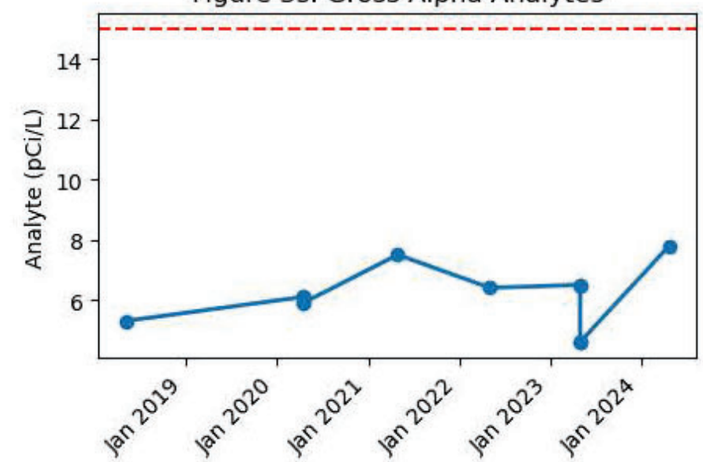


Figure 3t. Iron

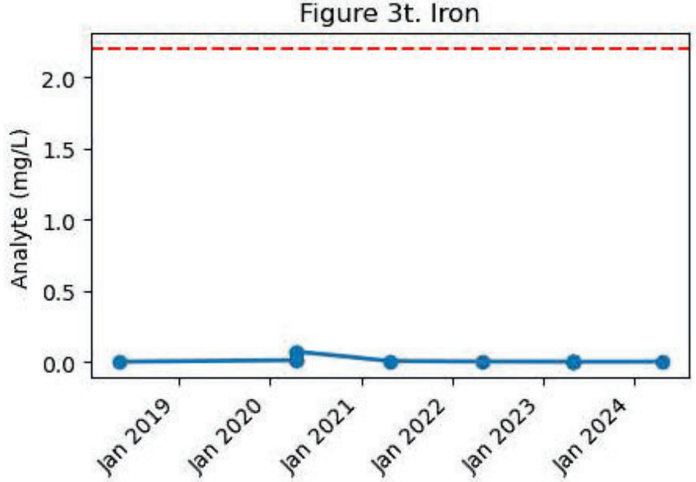


Figure 3u. Lead

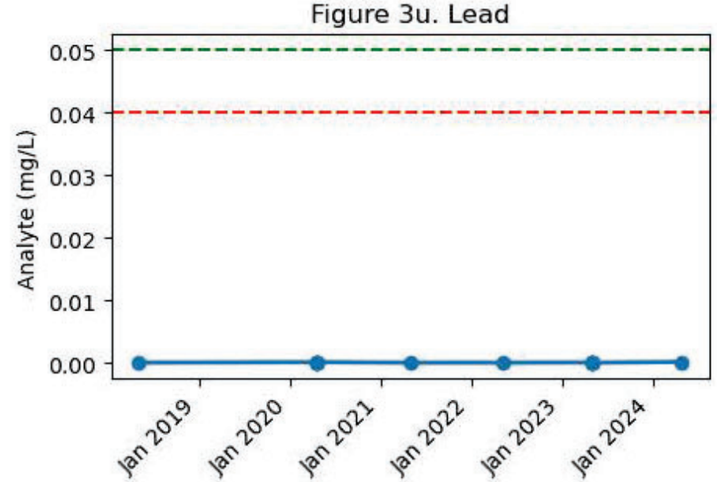


Figure 3v. Magnesium

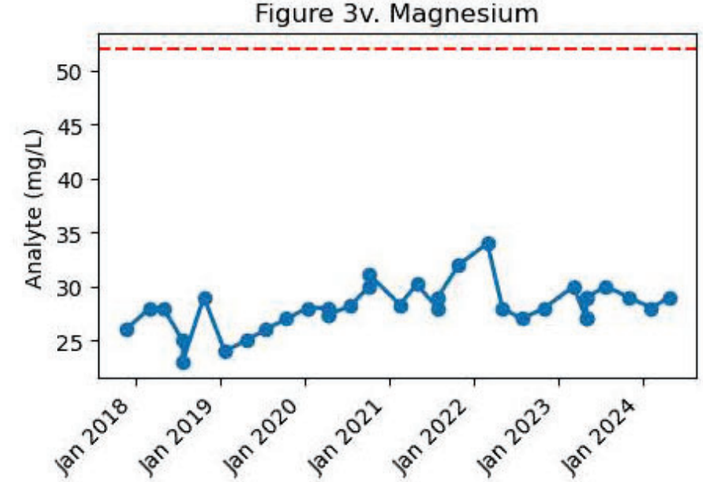


Figure 3w. Manganese

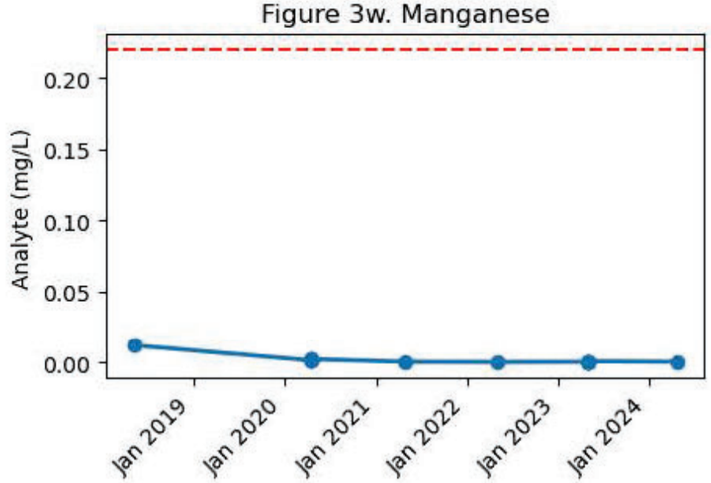
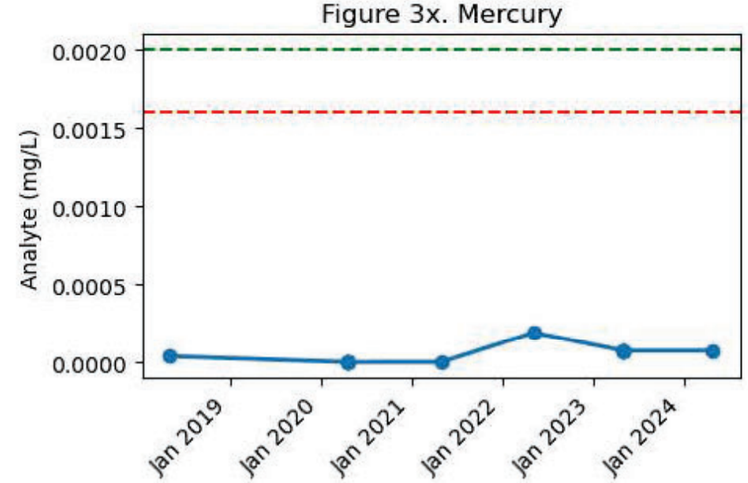


Figure 3x. Mercury



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M16-GU(R) Quarterly Analyte Graphs

Figure 3y. Nickel

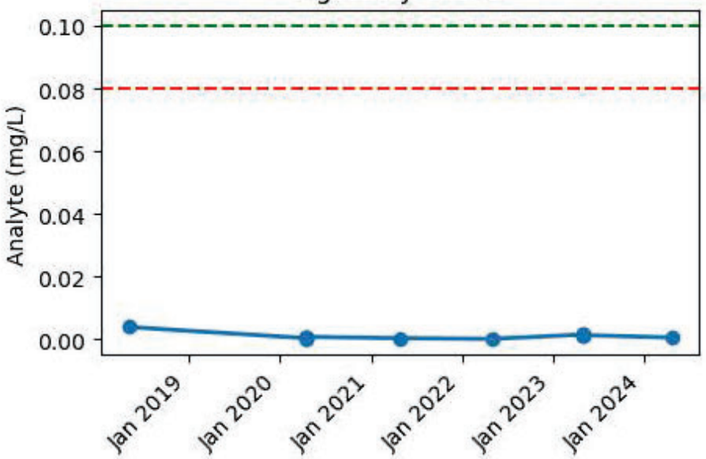


Figure 3z. Nitrate (as N)

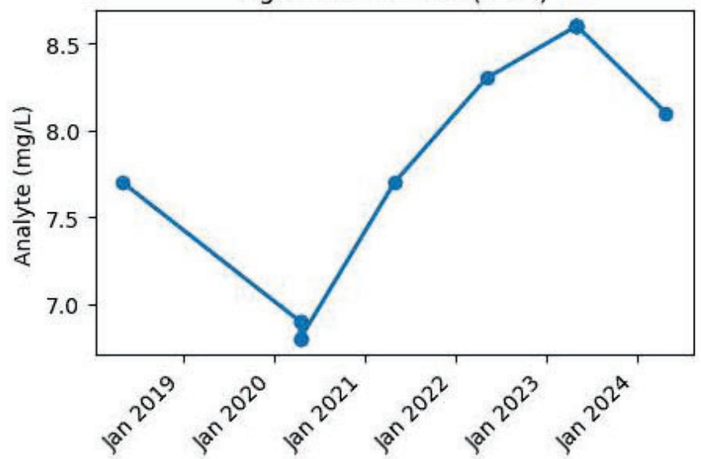


Figure 3aa. pH, Field

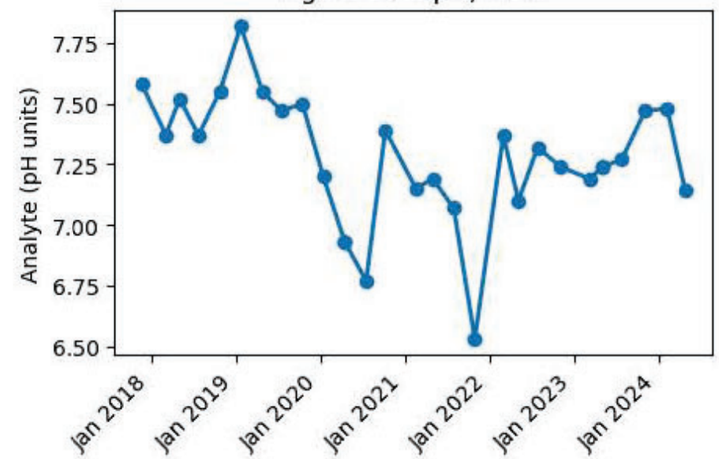


Figure 3ab. Potassium

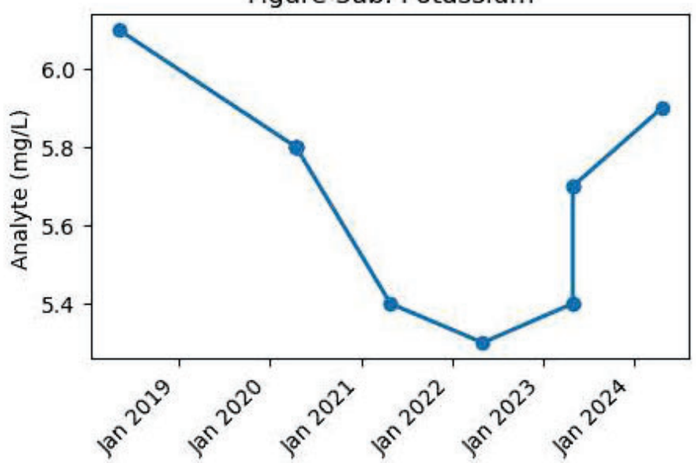


Figure 3ac. Radium-226 & 228

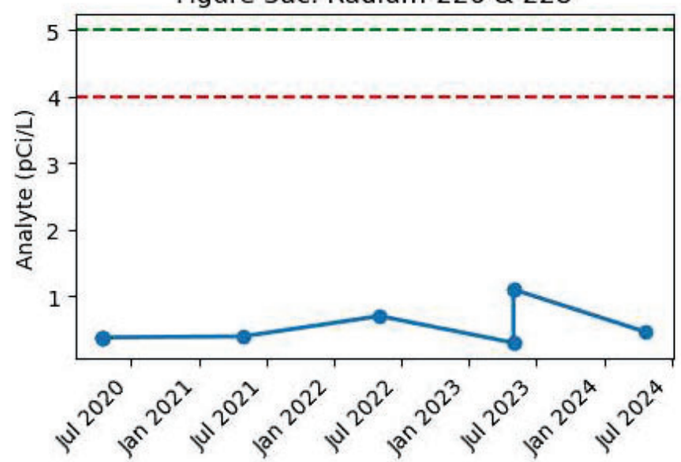


Figure 3ad. Selenium

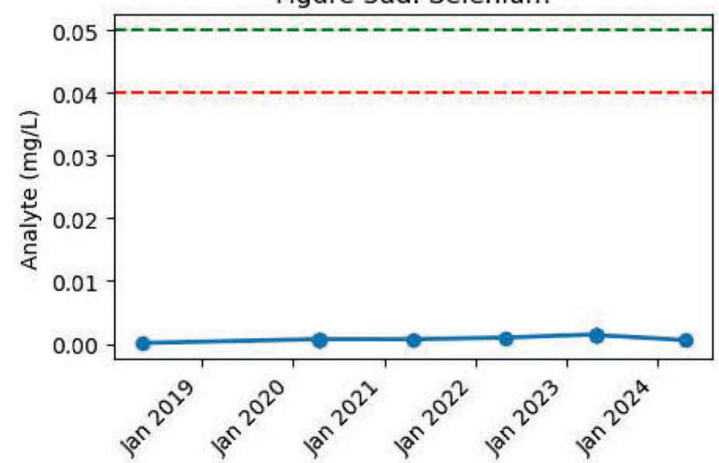


Figure 3ae. Sodium

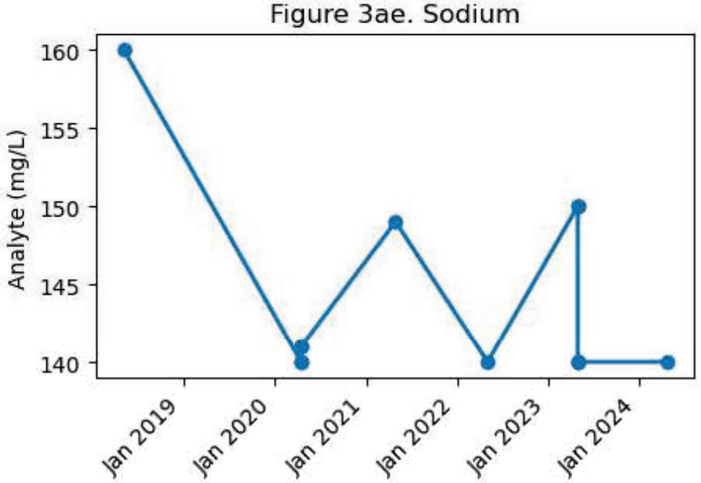
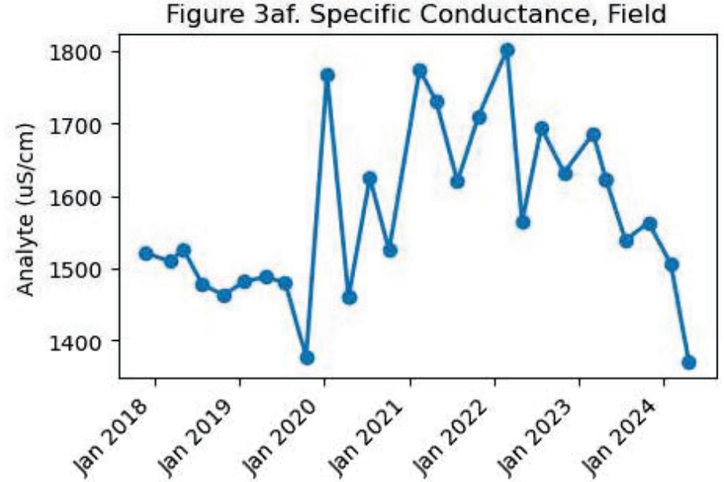


Figure 3af. Specific Conductance, Field



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M16-GU(R) Quarterly Analyte Graphs

Figure 3ag. Sulfate

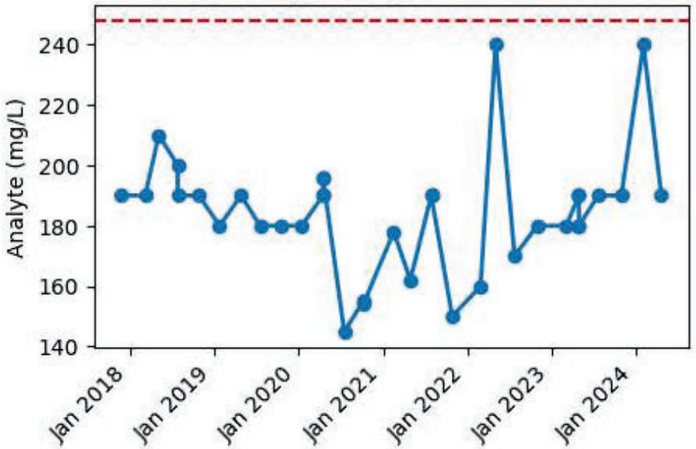


Figure 3ah. Temperature, Field

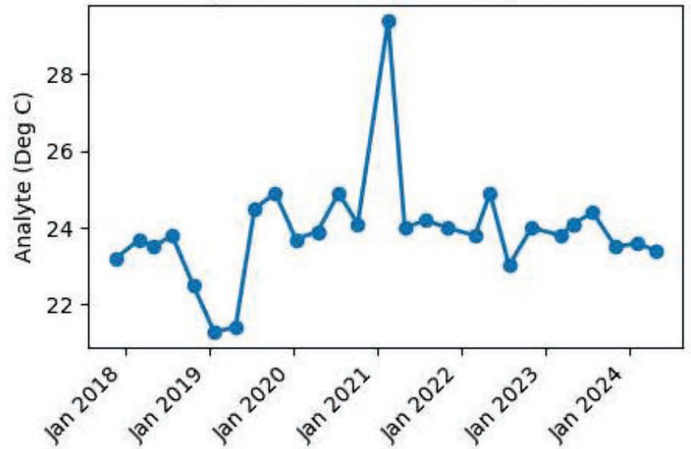


Figure 3ai. Thallium

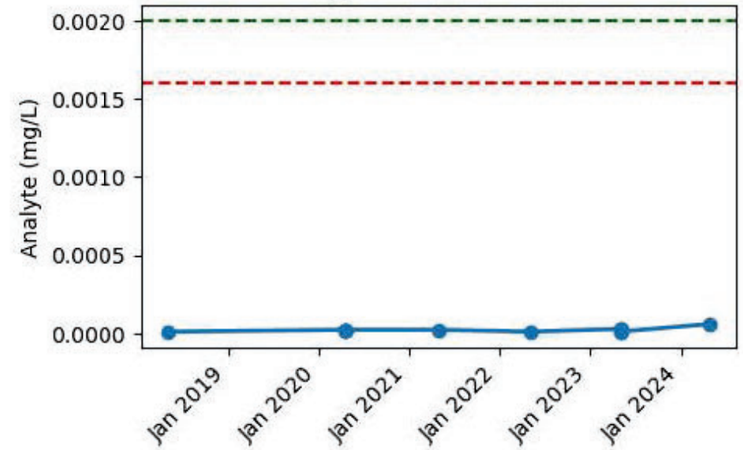


Figure 3aj. Toluene

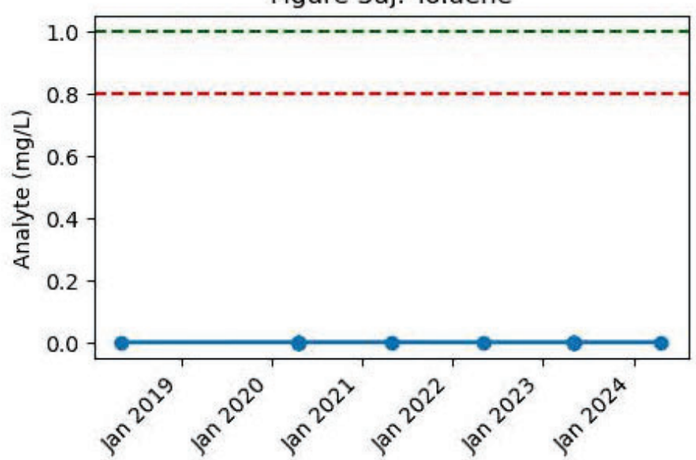


Figure 3ak. Total Dissolved Solids (TDS)

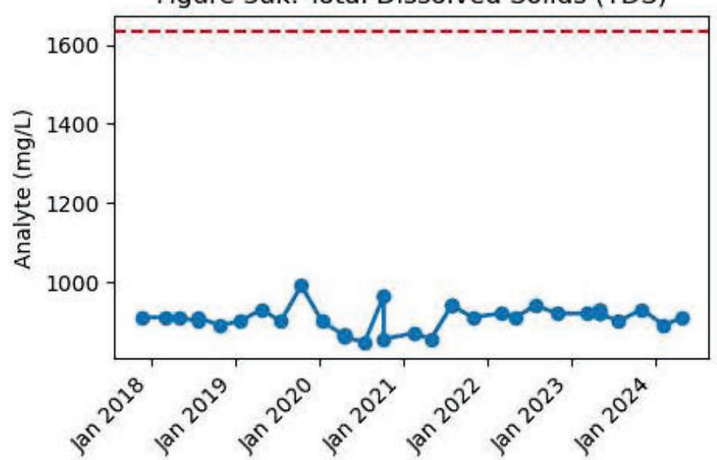


Figure 3al. Total Petroleum Hydrocarbons (C10-C22) Diesel

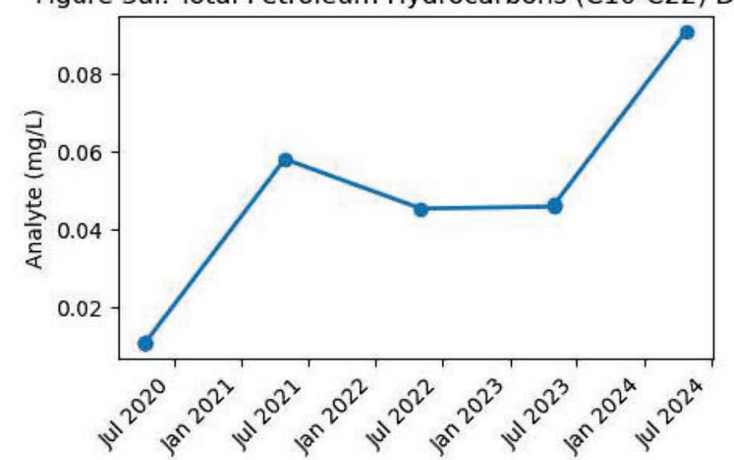


Figure 3am. Turbidity, Field

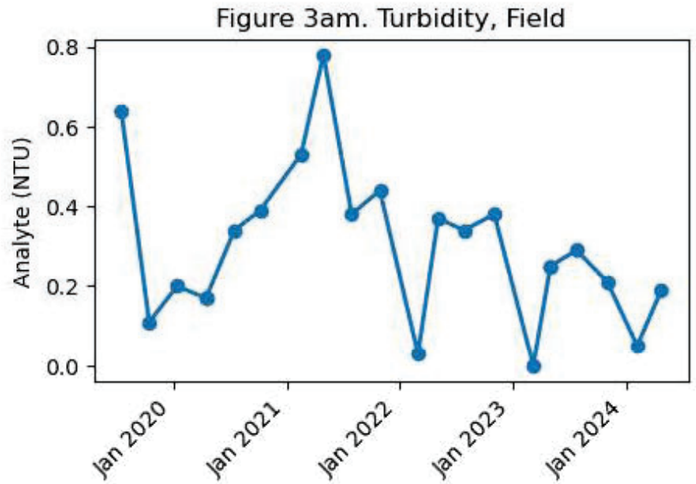
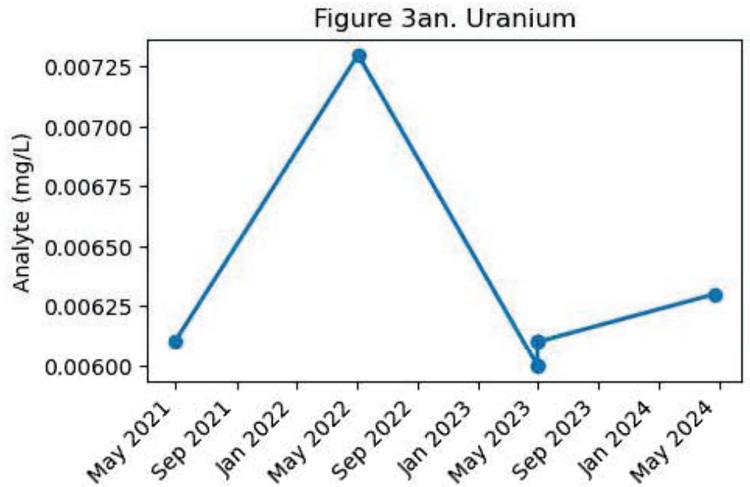


Figure 3an. Uranium



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M16-GU(R) Quarterly Analyte Graphs

Figure 3ao. Xylene (Total)

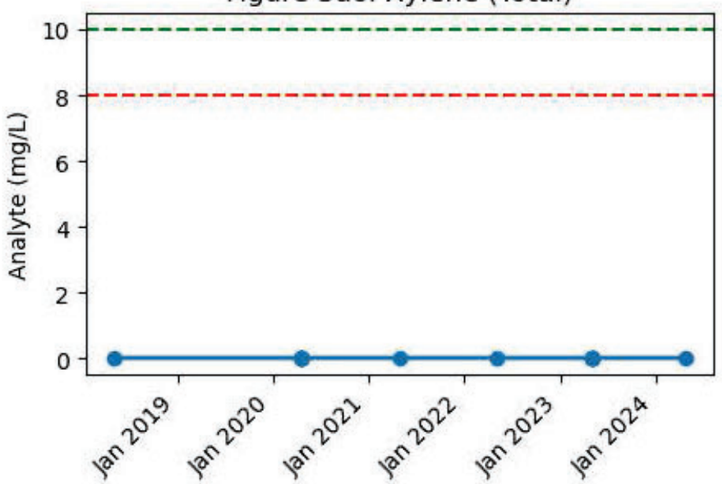


Figure 3ap. Zinc

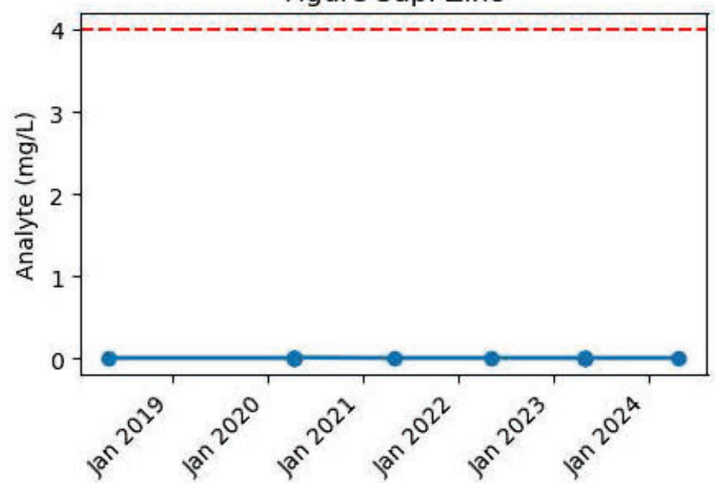


Figure 3aq. Total Uranium Isotopes

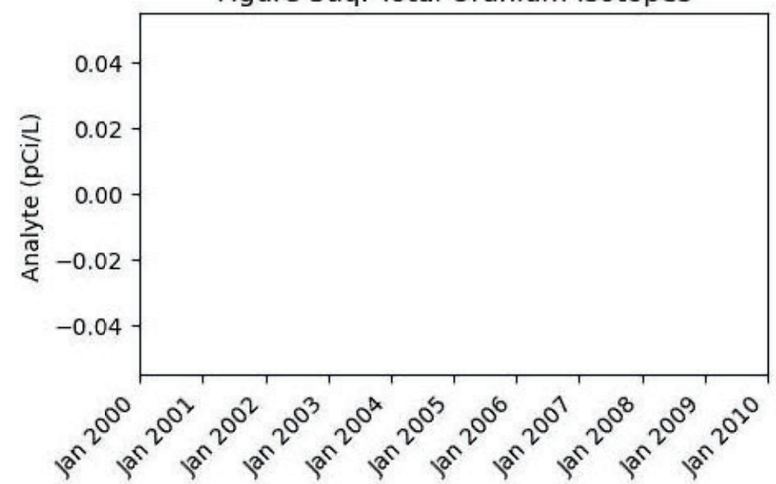
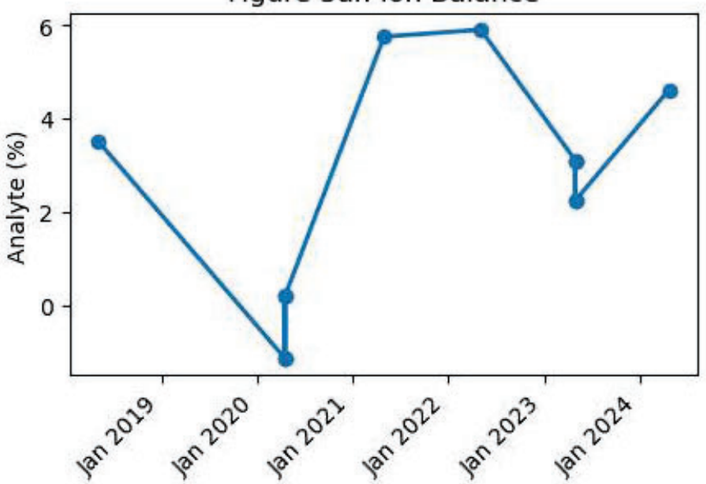


Figure 3ar. Ion Balance



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M17-GL Quarterly Analyte Graphs

Figure 4a. Alkalinity, Bicarbonate

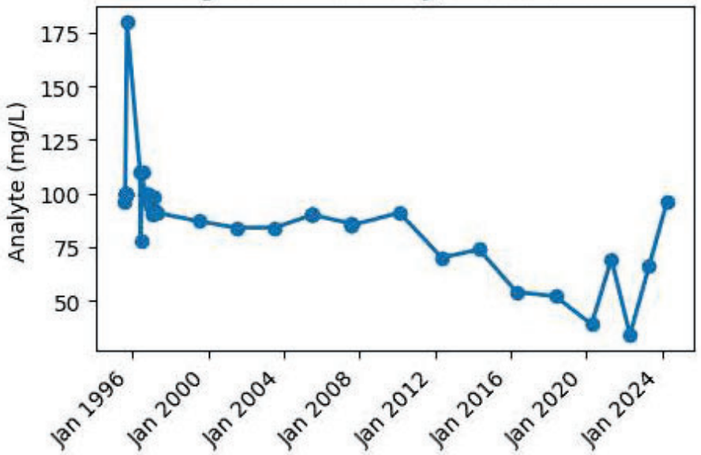


Figure 4b. Alkalinity, Carbonate

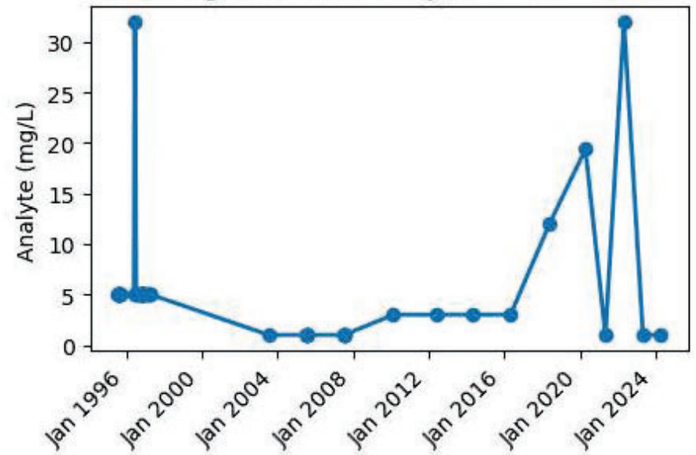


Figure 4c. Alkalinity, Hydroxide

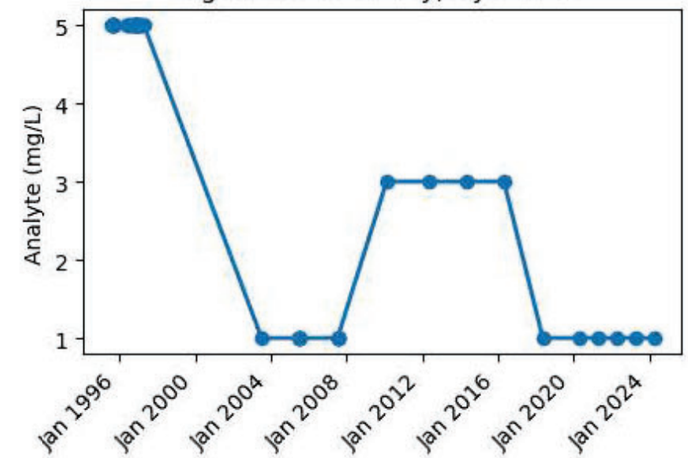


Figure 4d. Alkalinity, Total (as CaCO3)

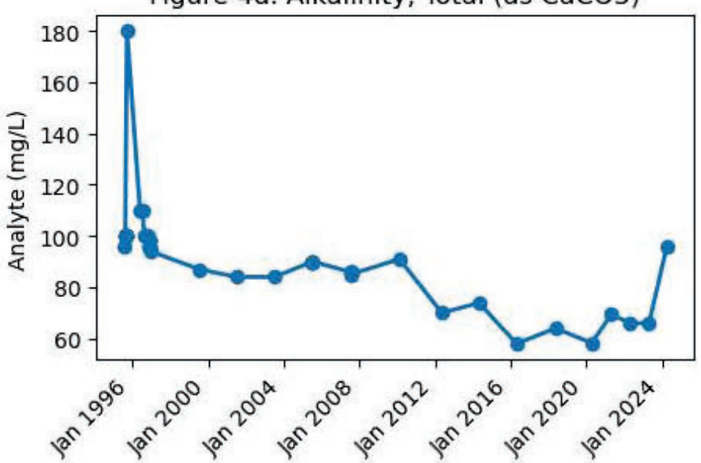


Figure 4e. Aluminum

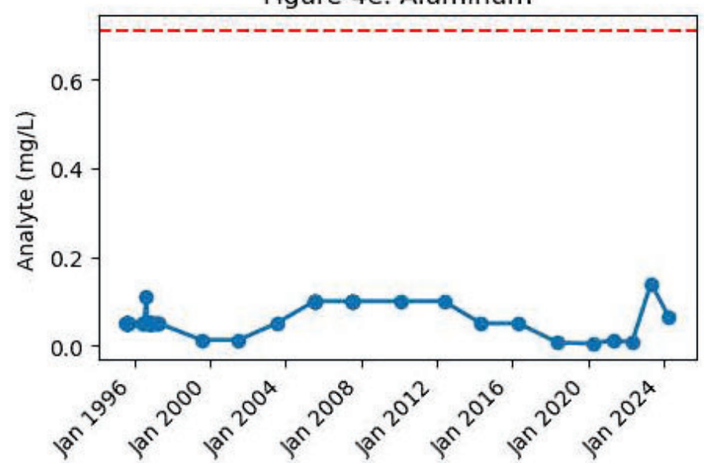


Figure 4f. Antimony

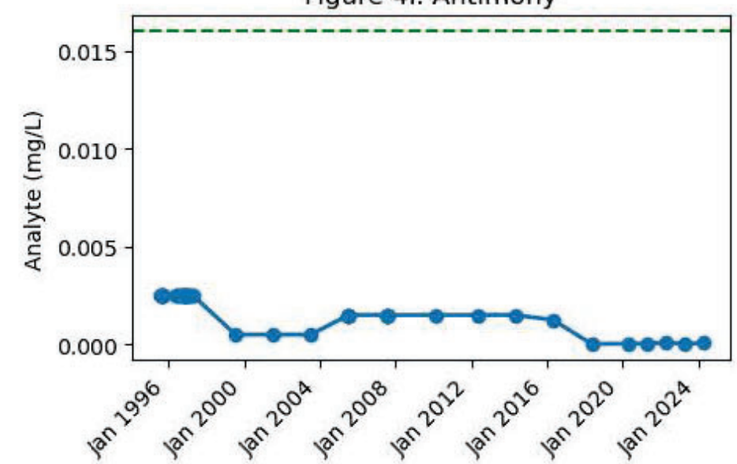


Figure 4g. Arsenic

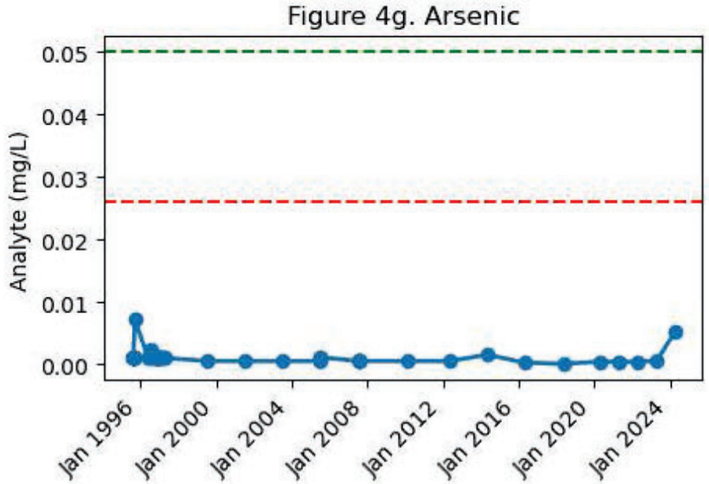
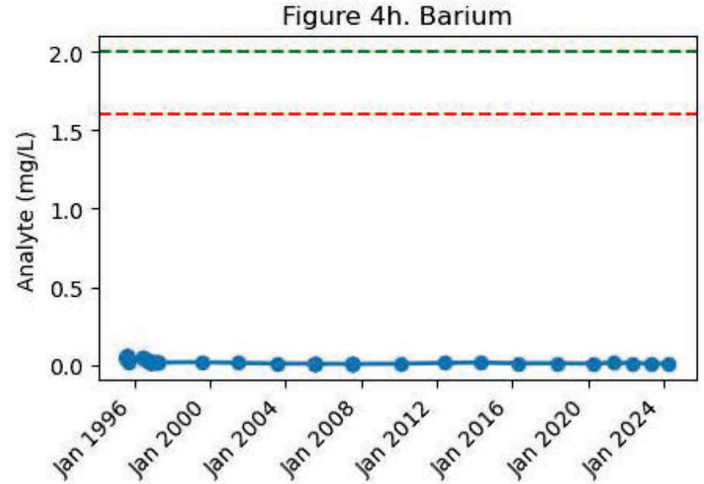


Figure 4h. Barium



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M17-GL Quarterly Analyte Graphs

Figure 4i. Benzene

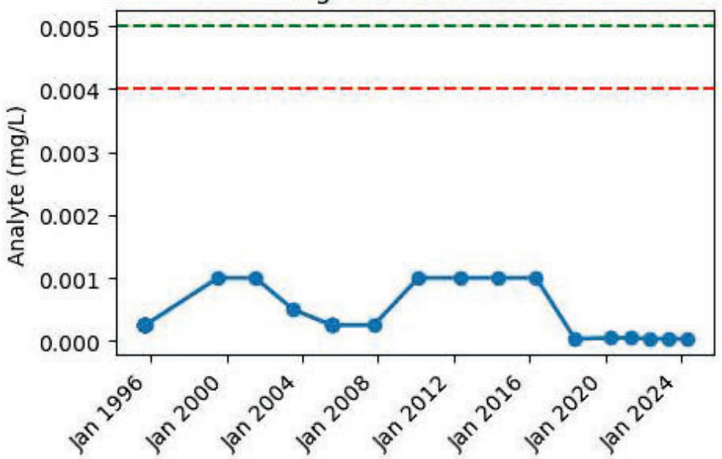

Figure 4j. Beryllium

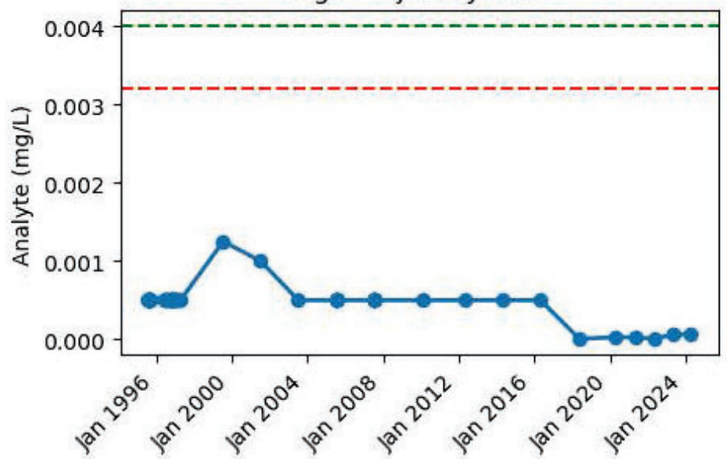

Figure 4k. Cadmium

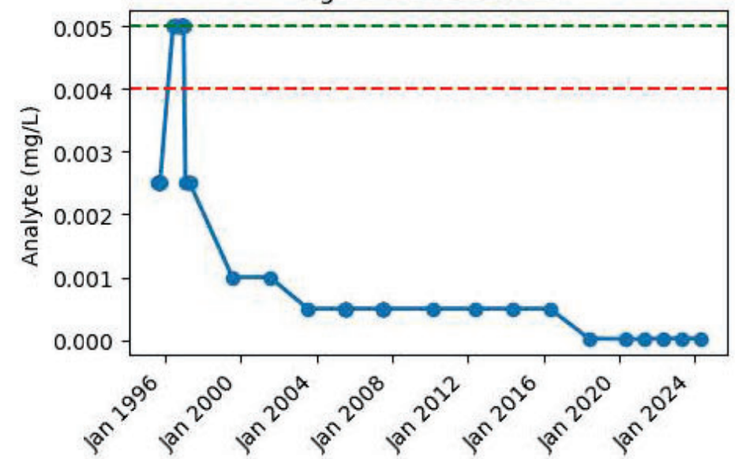

Figure 4l. Calcium

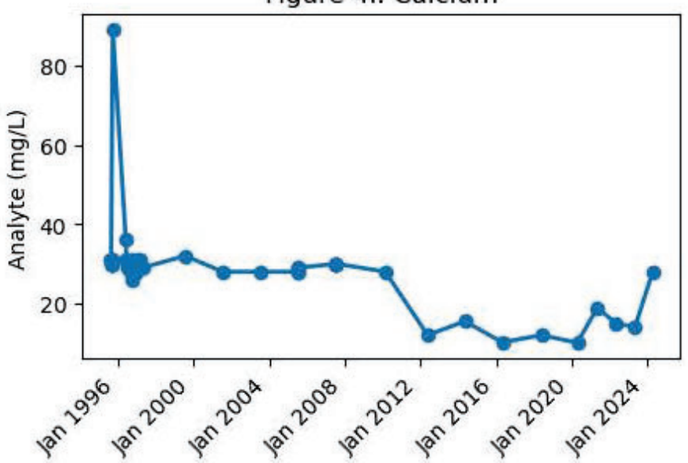

Figure 4m. Chloride

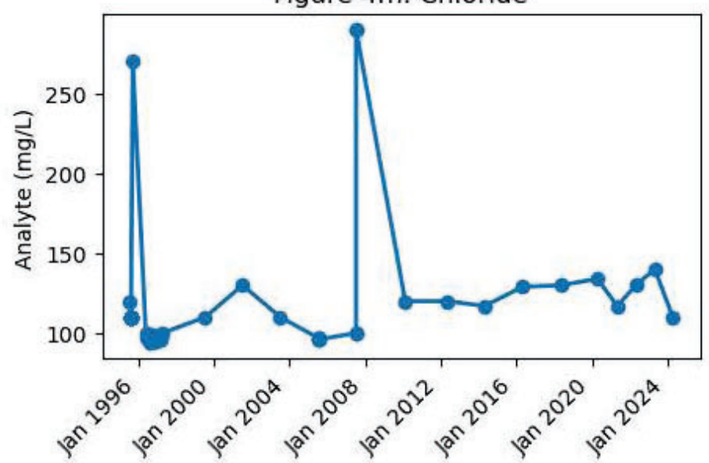

Figure 4n. Chromium

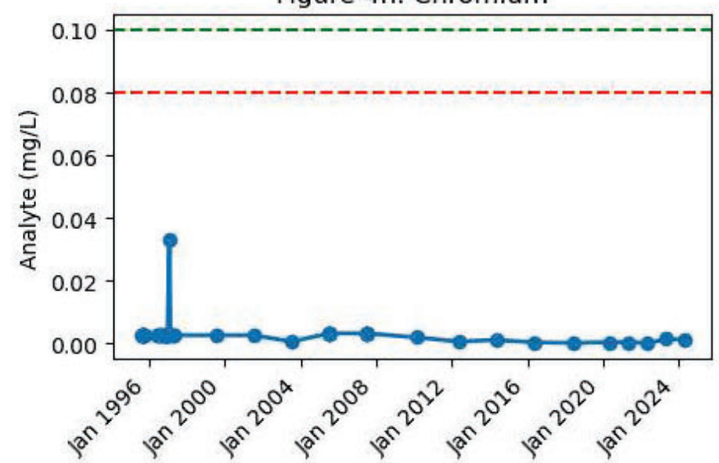

Figure 4o. Cobalt

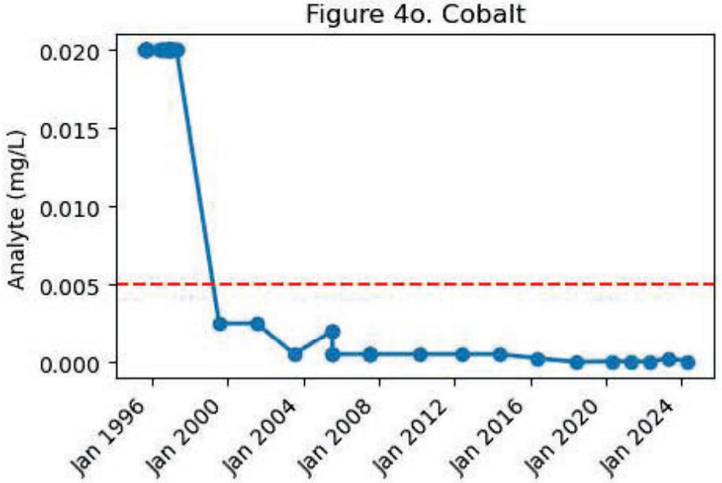

Figure 4p. Copper

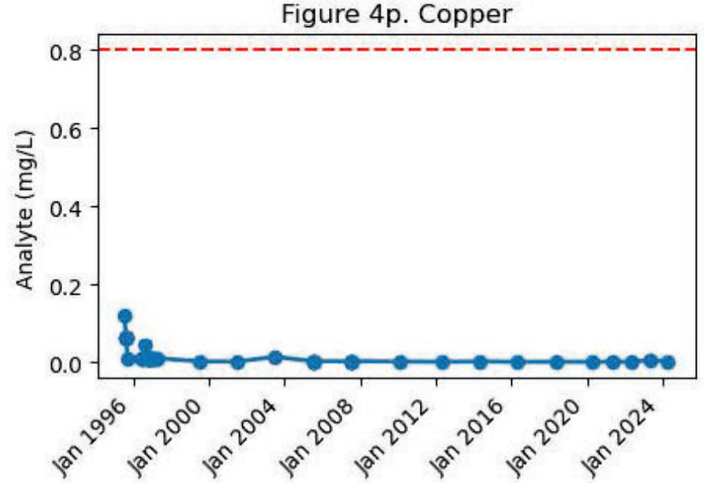

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Figure 4q. Ethylbenzene

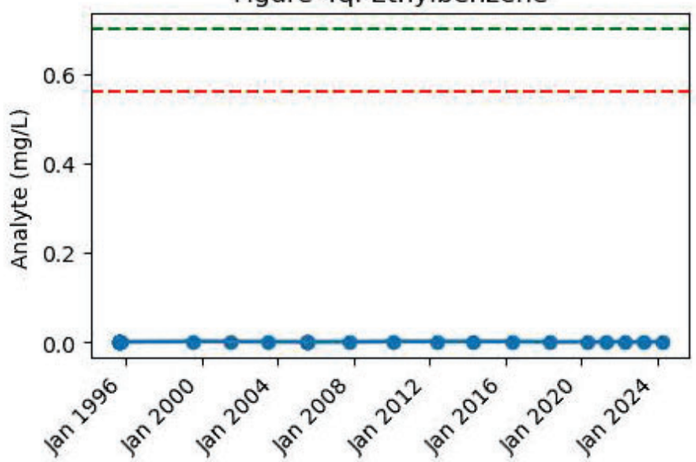

Figure 4r. Fluoride

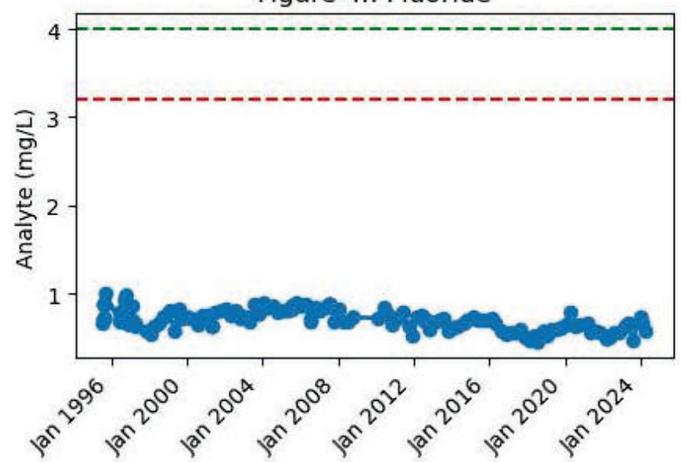

Figure 4s. Gross Alpha Analytes

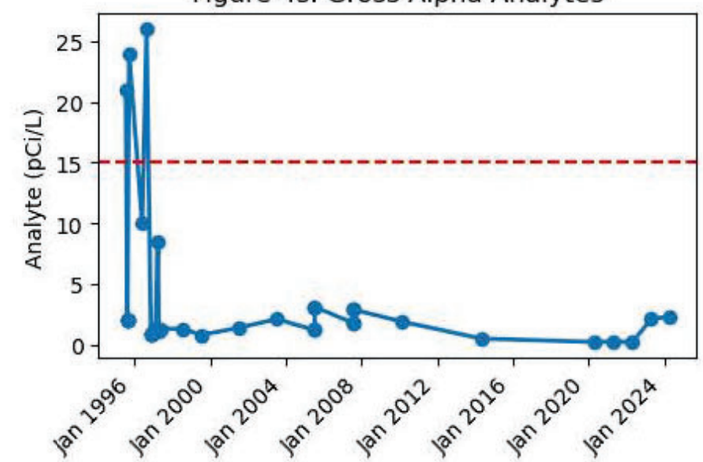

Figure 4t. Iron

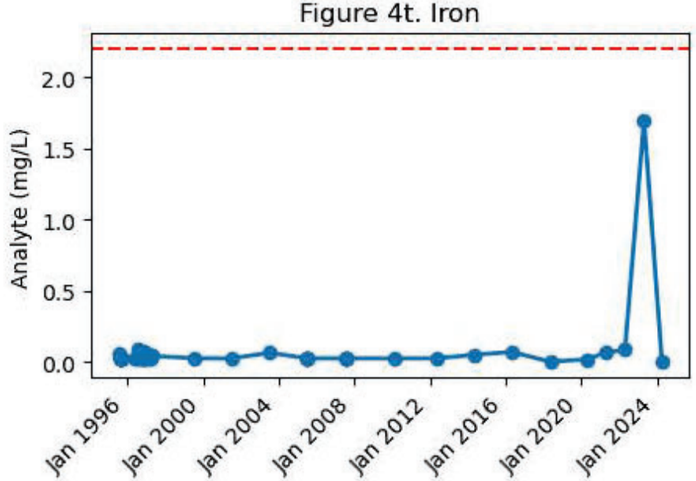

Figure 4u. Lead

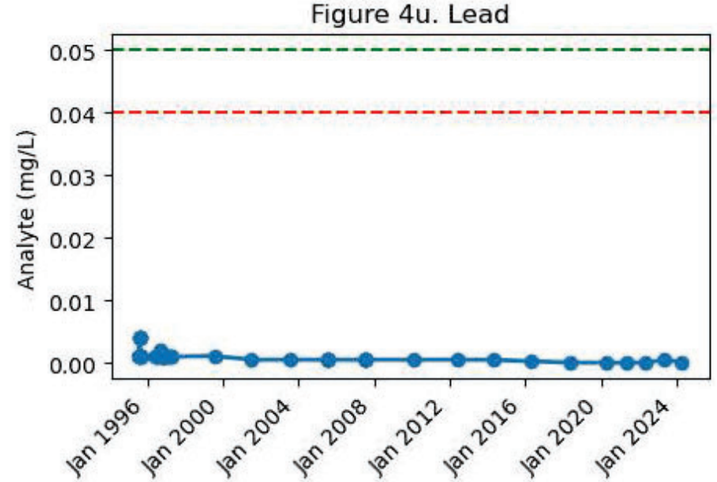

Figure 4v. Magnesium

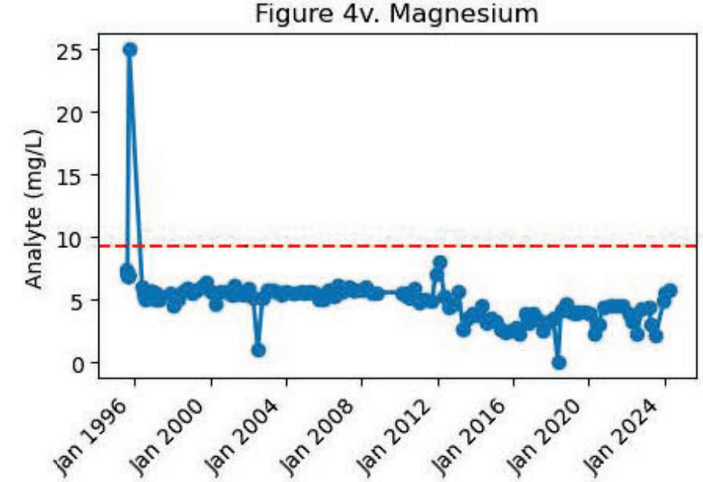

Figure 4w. Manganese

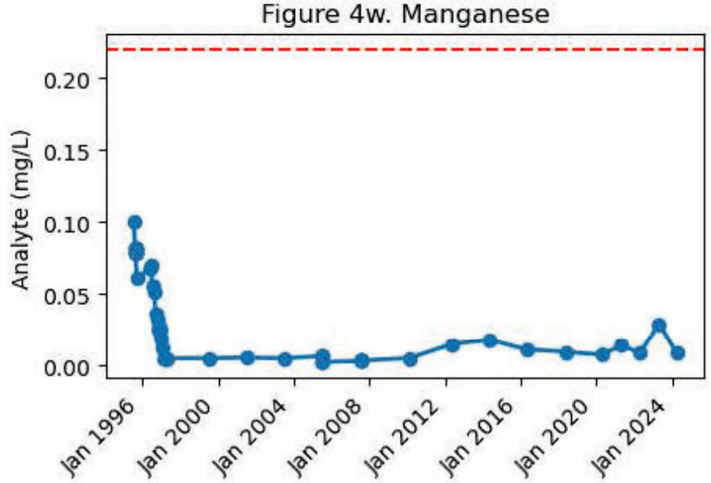

Figure 4x. Mercury

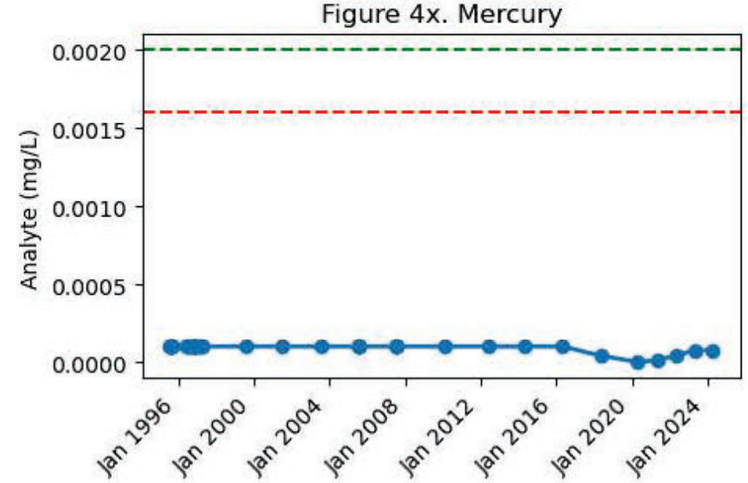

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Figure 4y. Nickel

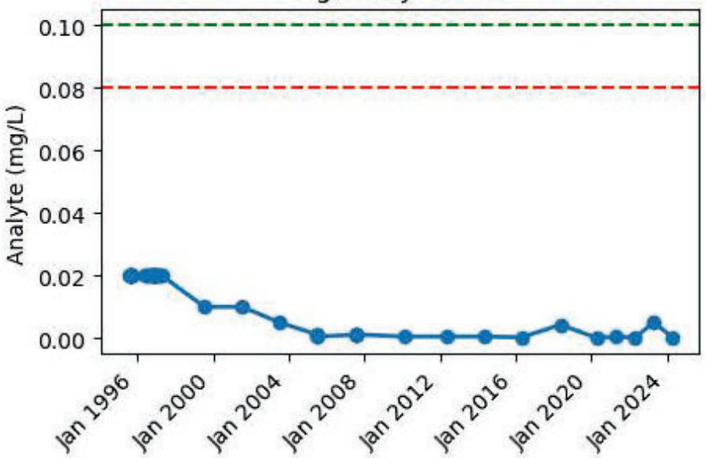

Figure 4z. Nitrate (as N)

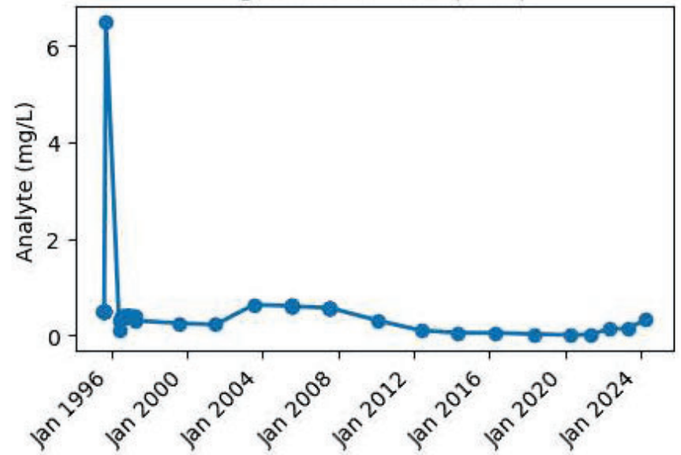

Figure 4aa. pH, Field

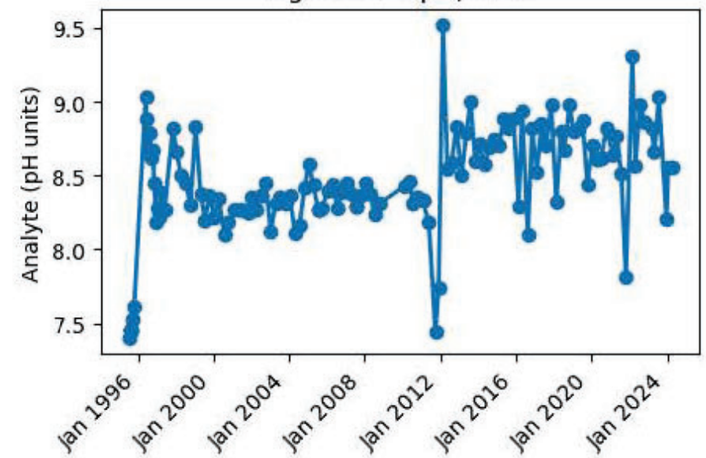

Figure 4ab. Potassium

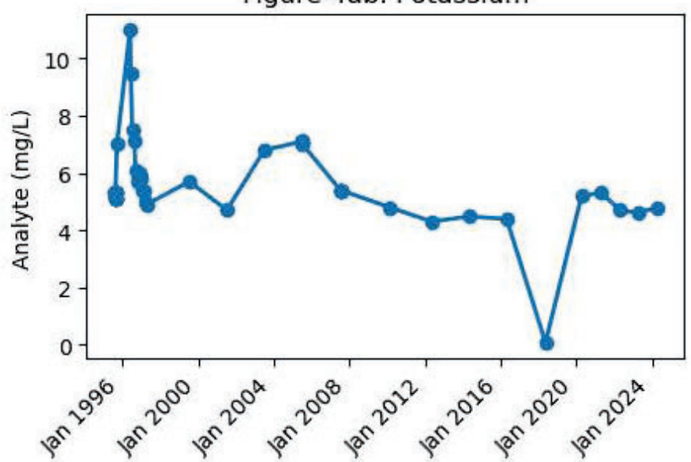

Figure 4ac. Radium-226 & 228

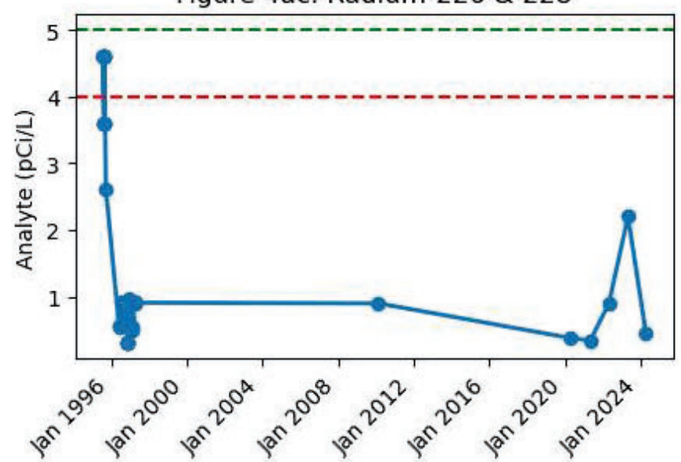

Figure 4ad. Selenium

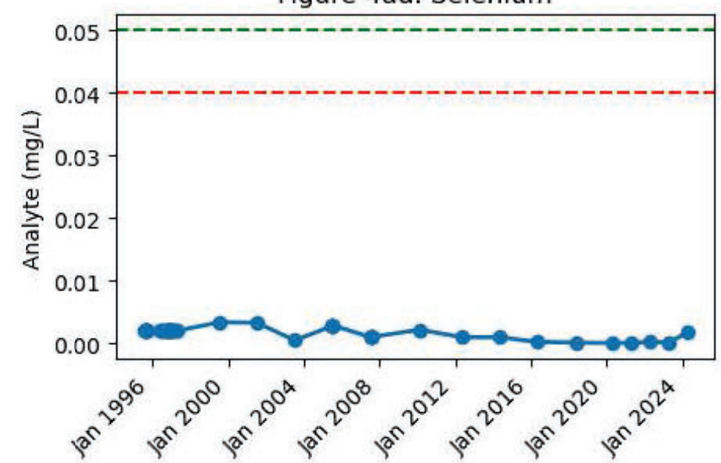

Figure 4ae. Sodium

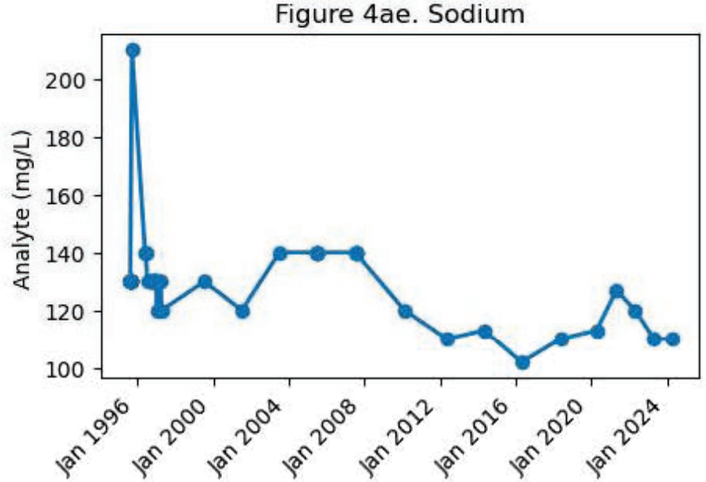

Figure 4af. Specific Conductance, Field

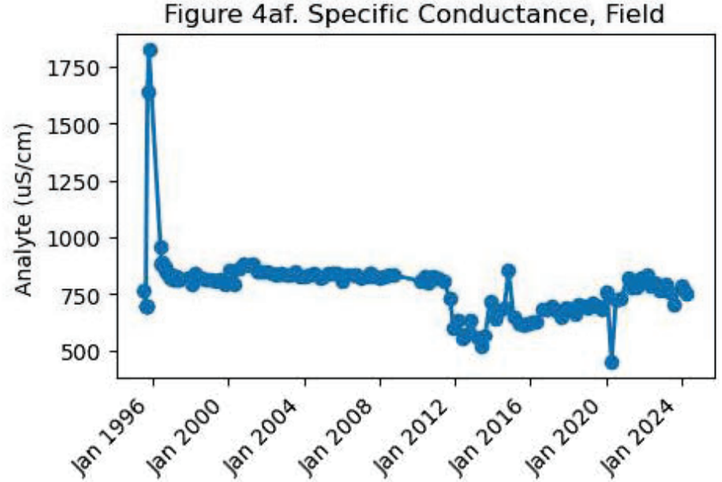

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Figure 4ag. Sulfate

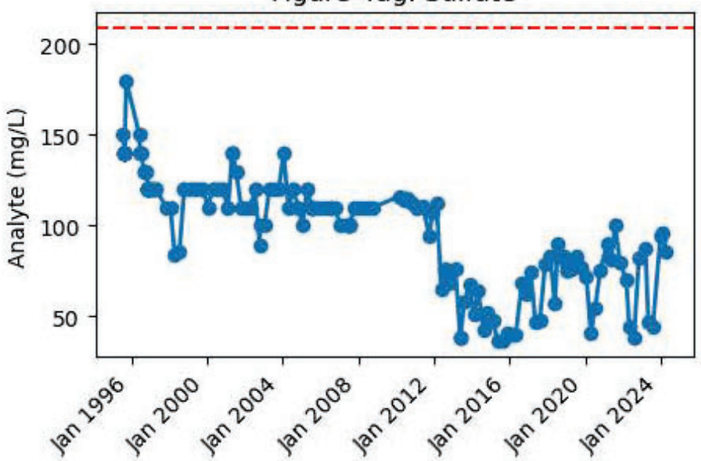


Figure 4ah. Temperature, Field

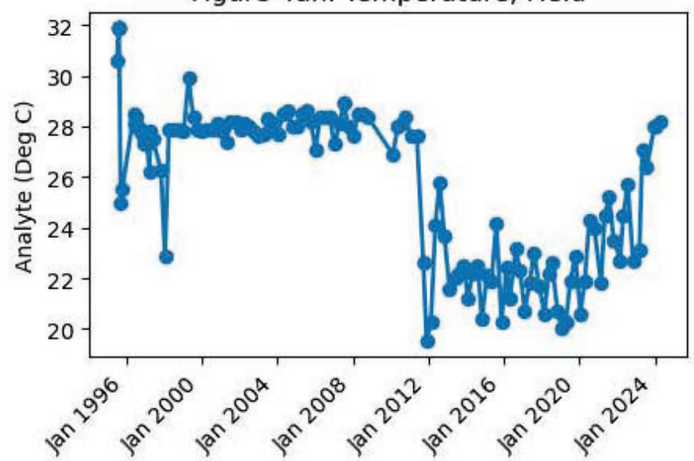


Figure 4ai. Thallium

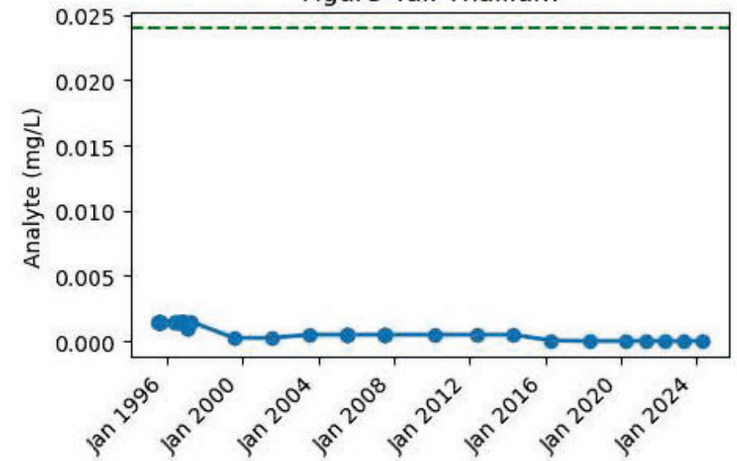


Figure 4aj. Toluene

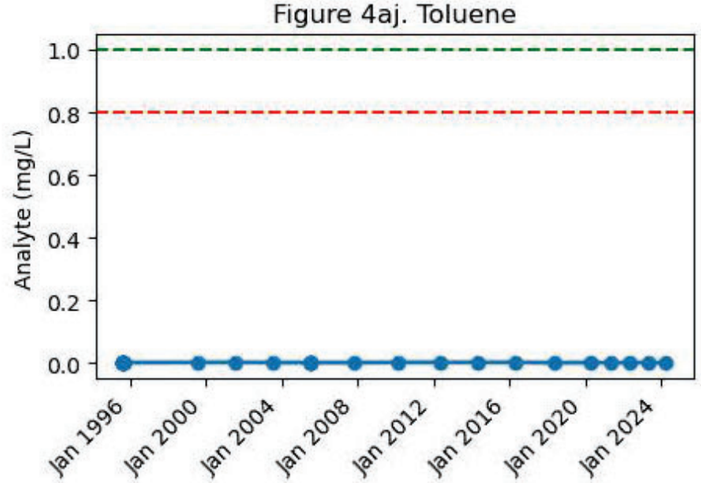


Figure 4ak. Total Dissolved Solids (TDS)

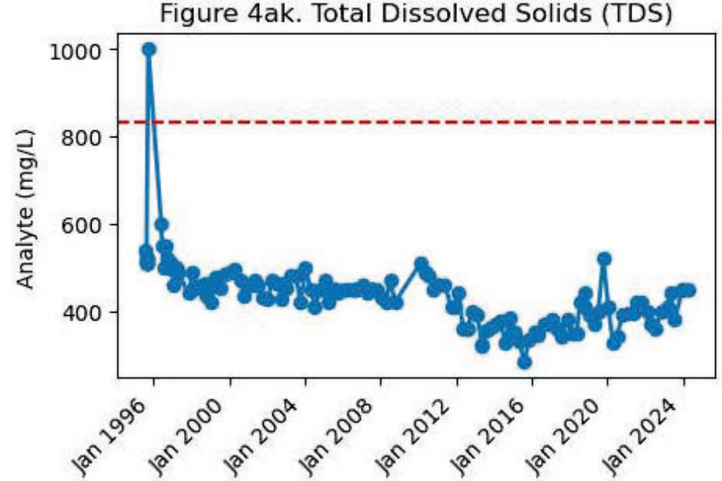


Figure 4al. Total Petroleum Hydrocarbons (C10-C22) Diesel

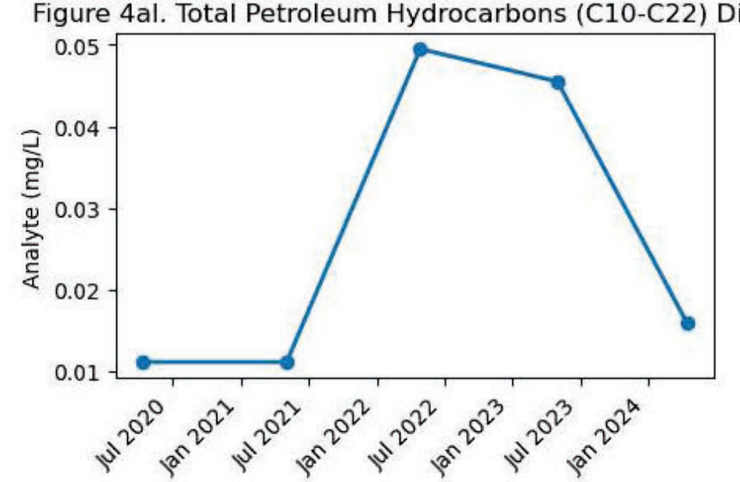


Figure 4am. Turbidity, Field

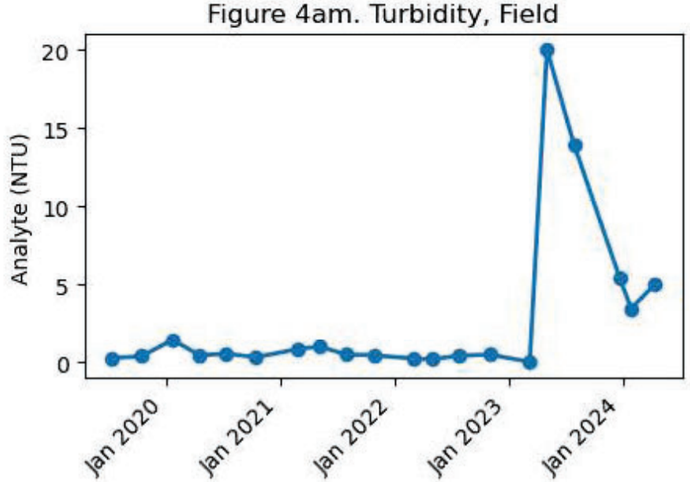
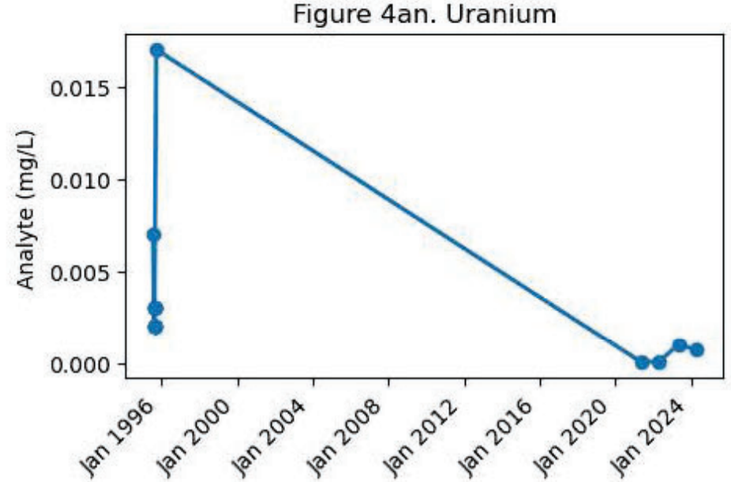


Figure 4an. Uranium



AL (APP & UIC)
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Analyte

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Figure 4ao. Xylene (Total)

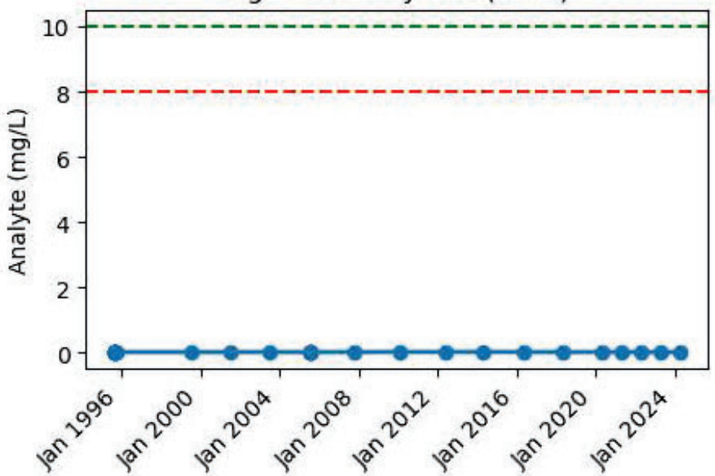

Figure 4ap. Zinc

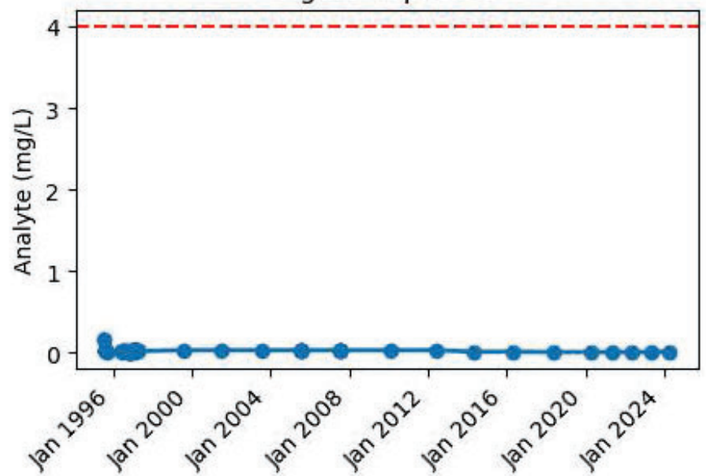

Figure 4aq. Total Uranium Isotopes

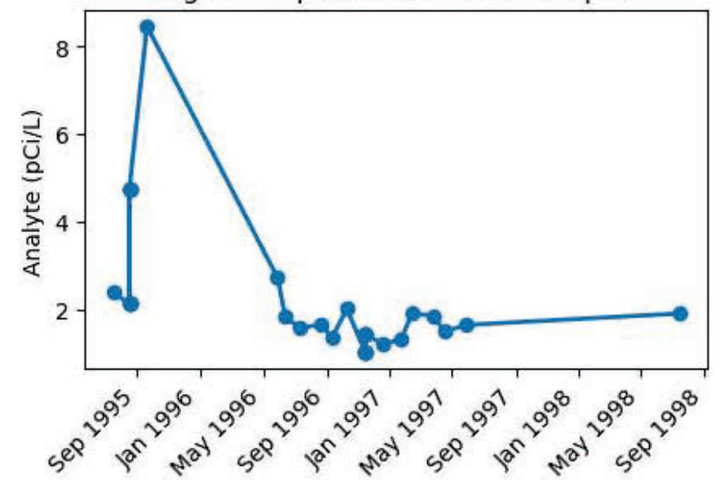

Figure 4ar. Ion Balance

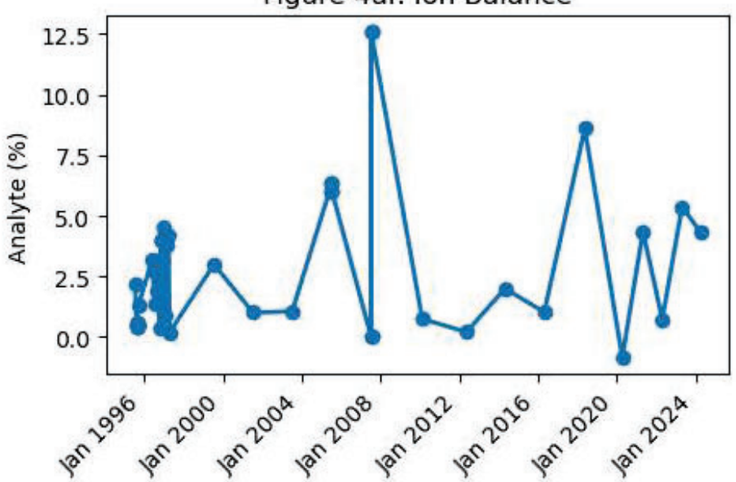

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Figure 5a. Alkalinity, Bicarbonate

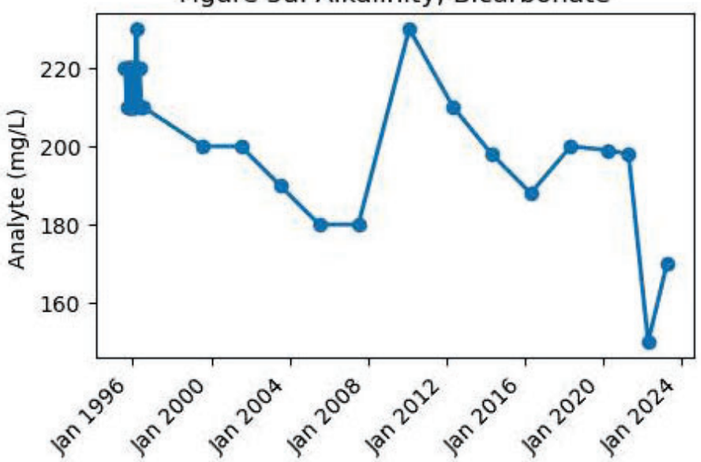

Figure 5b. Alkalinity, Carbonate

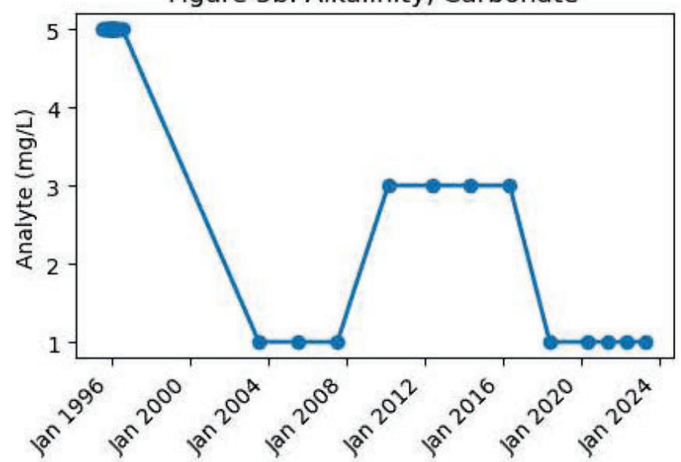

Figure 5c. Alkalinity, Hydroxide

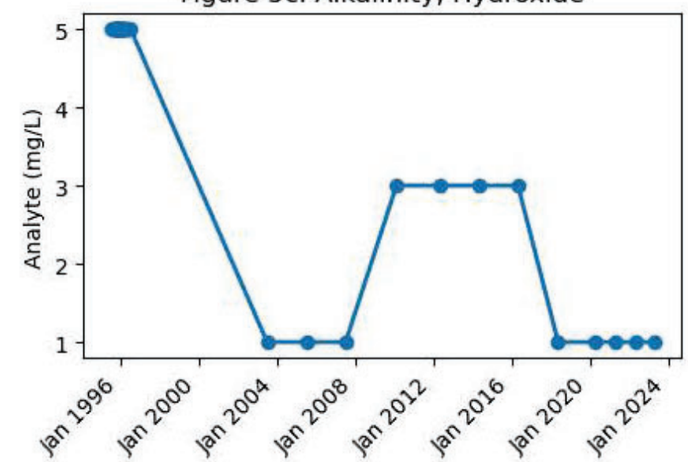

Figure 5d. Alkalinity, Total (as CaCO3)

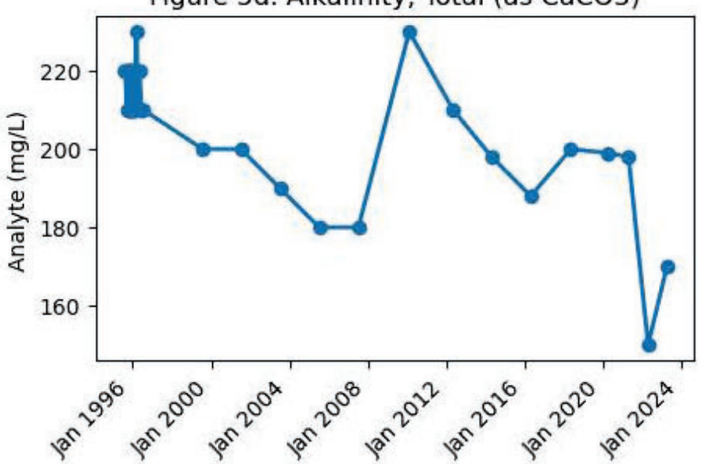

Figure 5e. Aluminum

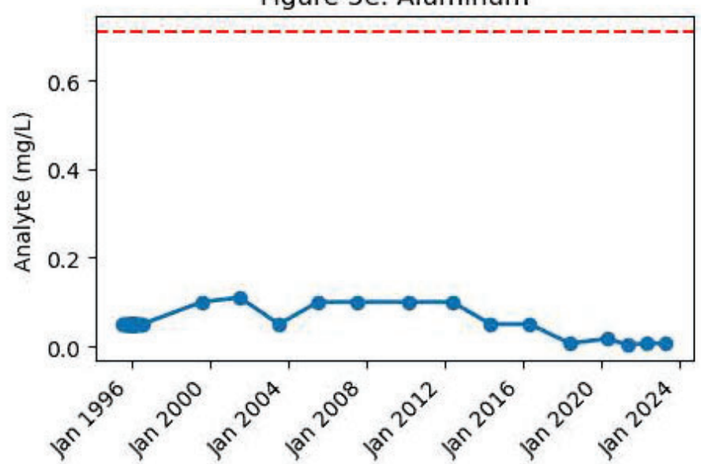

Figure 5f. Antimony

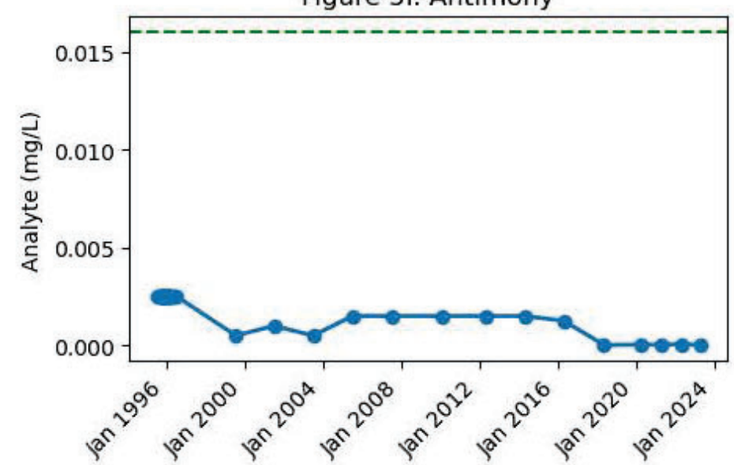

Figure 5g. Arsenic

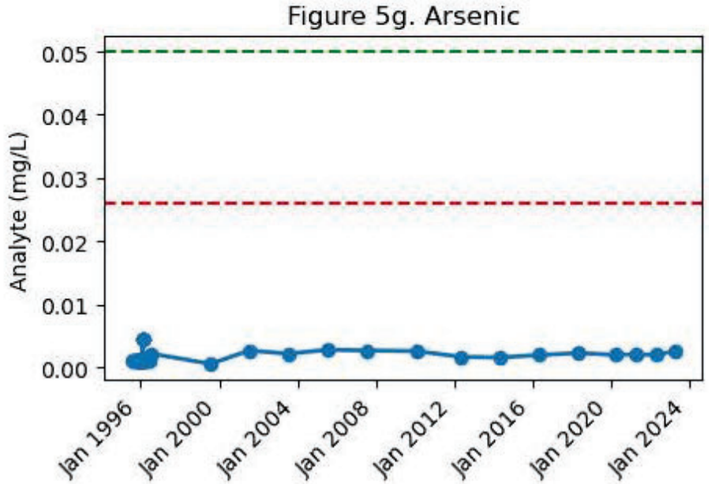

Figure 5h. Barium

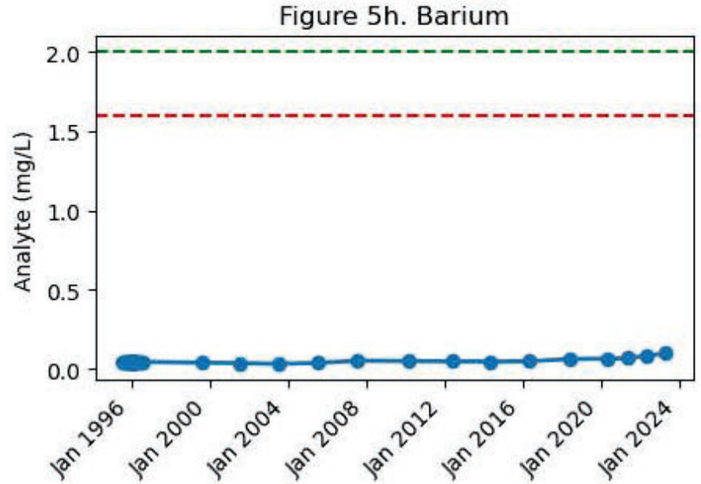

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Figure 5i. Benzene

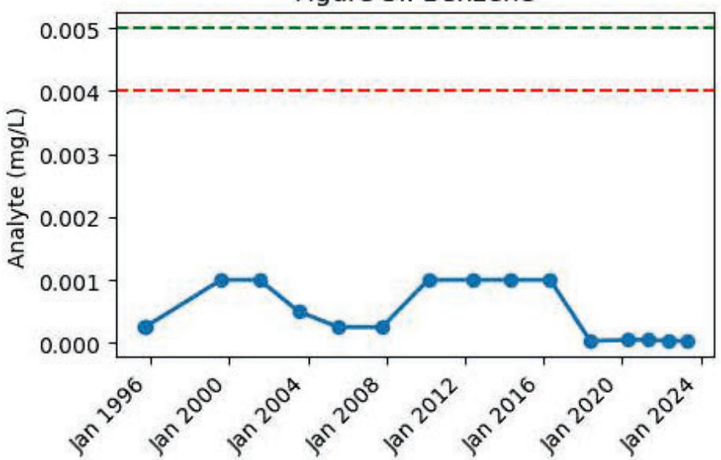

Figure 5j. Beryllium

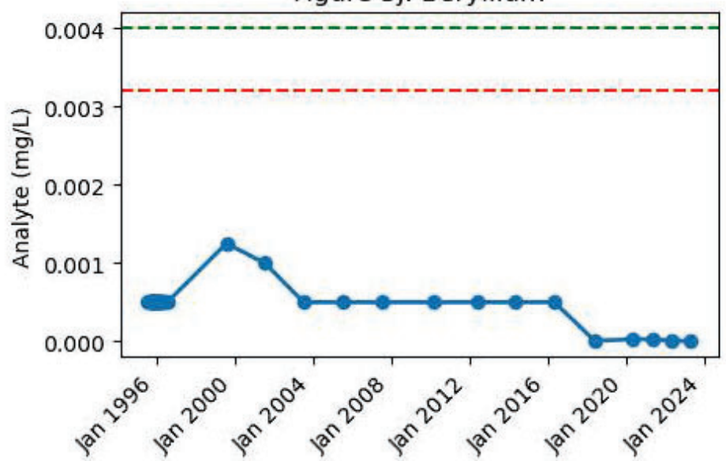

Figure 5k. Cadmium

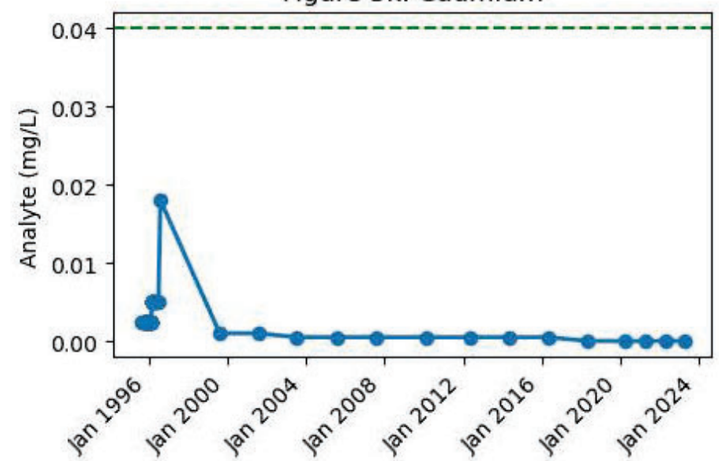

Figure 5l. Calcium

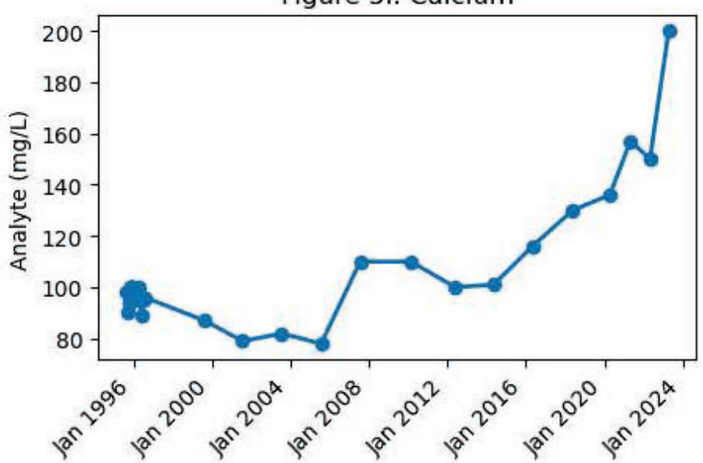

Figure 5m. Chloride

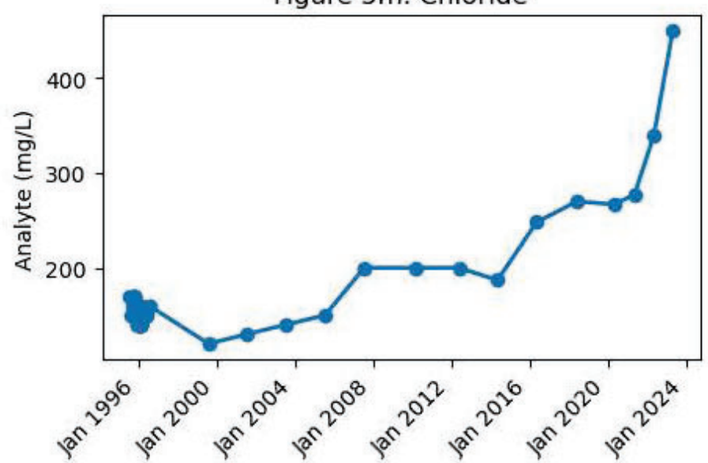

Figure 5n. Chromium

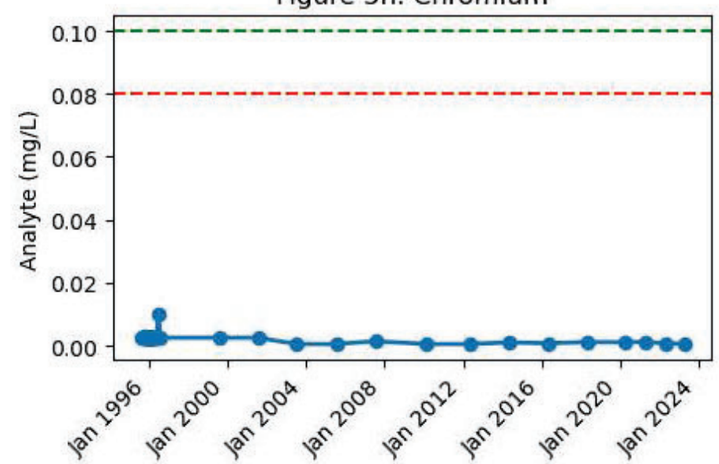

Figure 5o. Cobalt

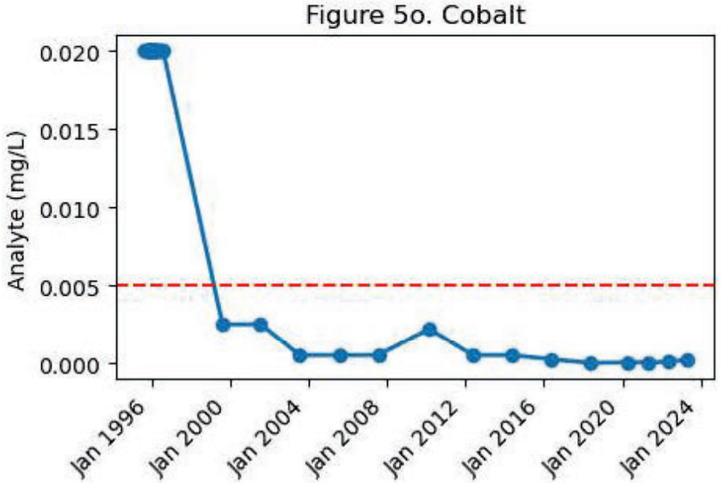

Figure 5p. Copper

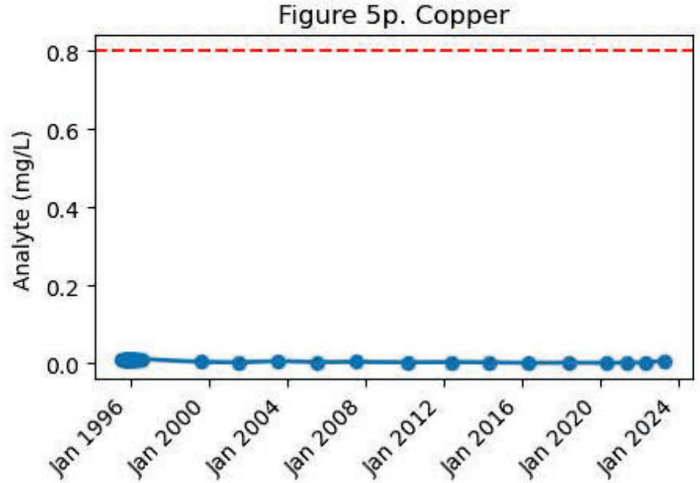

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Figure 5q. Ethylbenzene

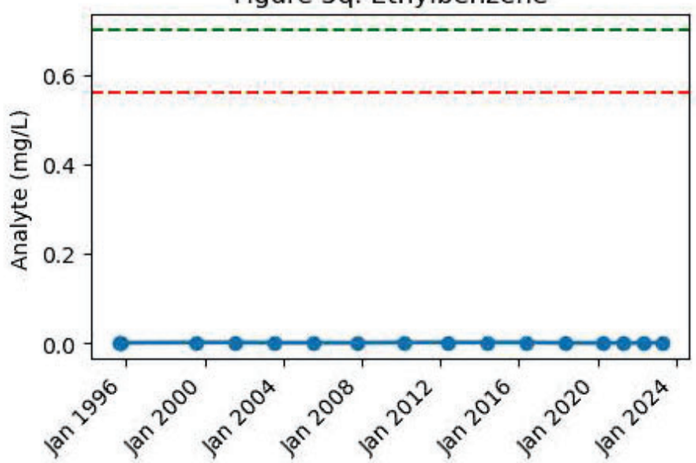

Figure 5r. Fluoride

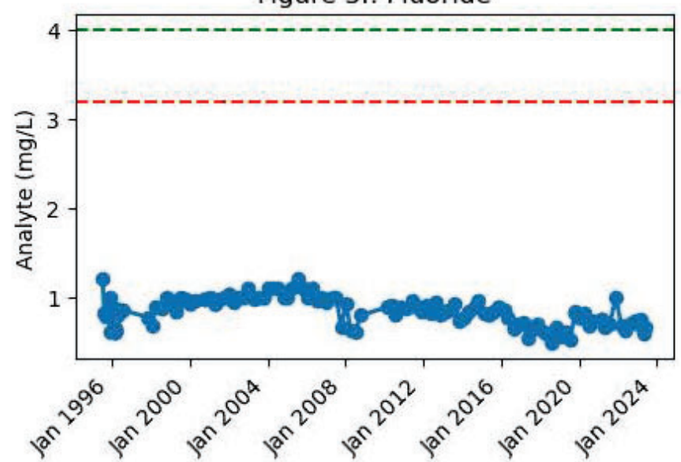

Figure 5s. Gross Alpha Analytes

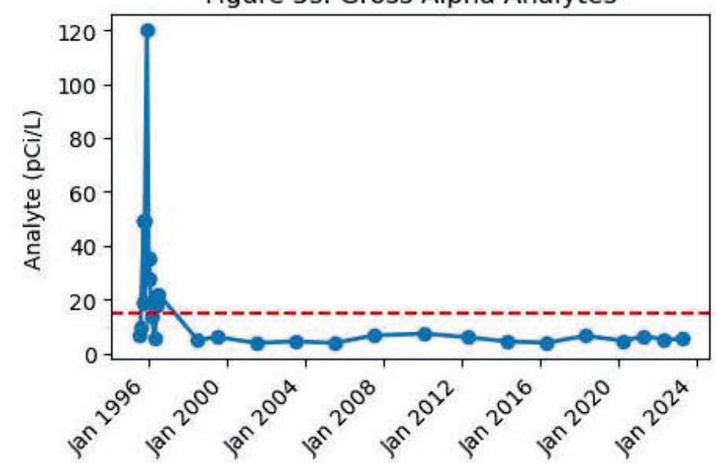

Figure 5t. Iron

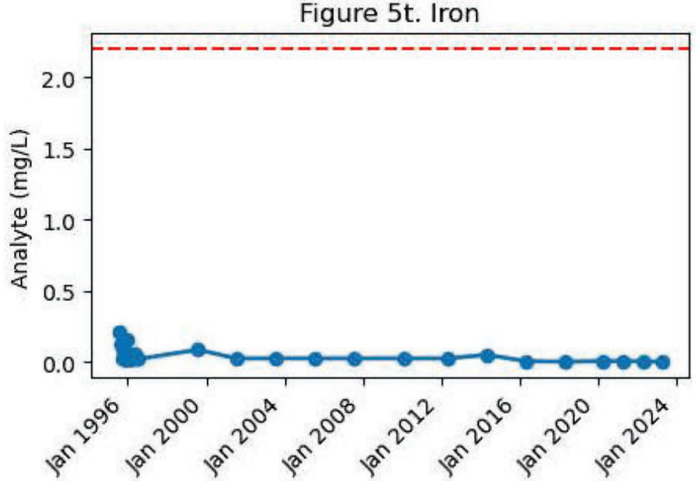

Figure 5u. Lead

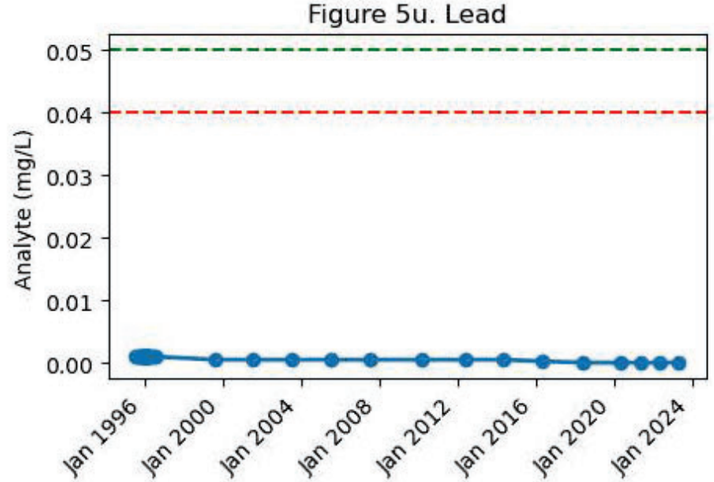

Figure 5v. Magnesium

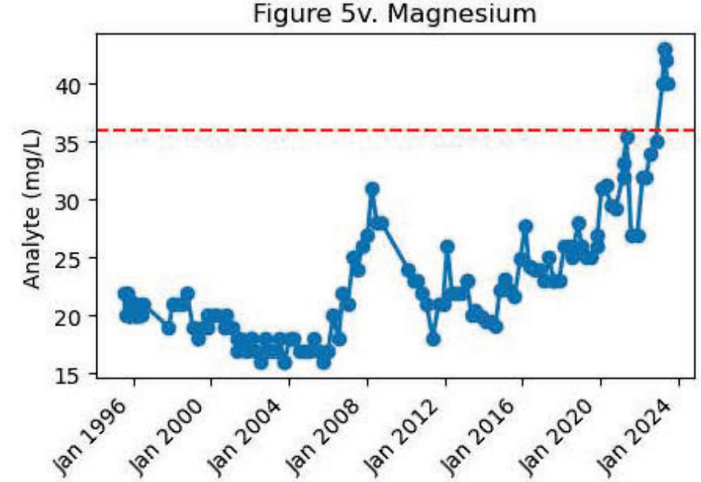

Figure 5w. Manganese

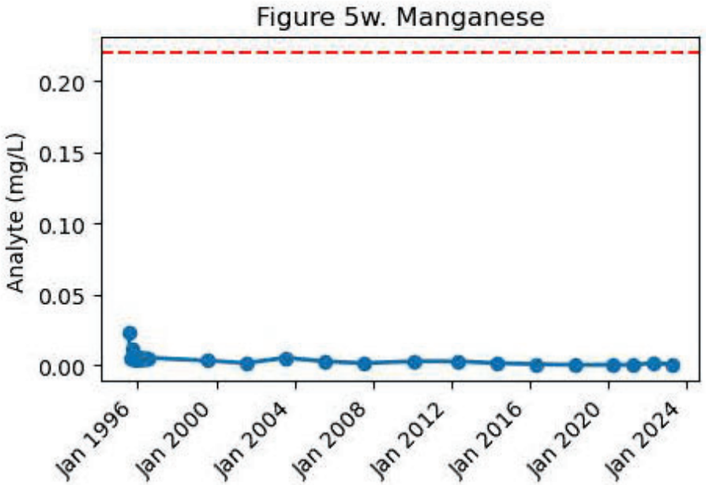

Figure 5x. Mercury

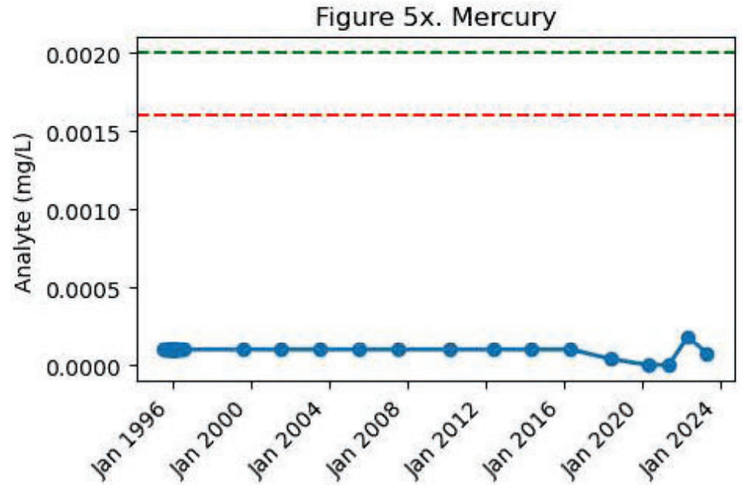

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Figure 5y. Nickel

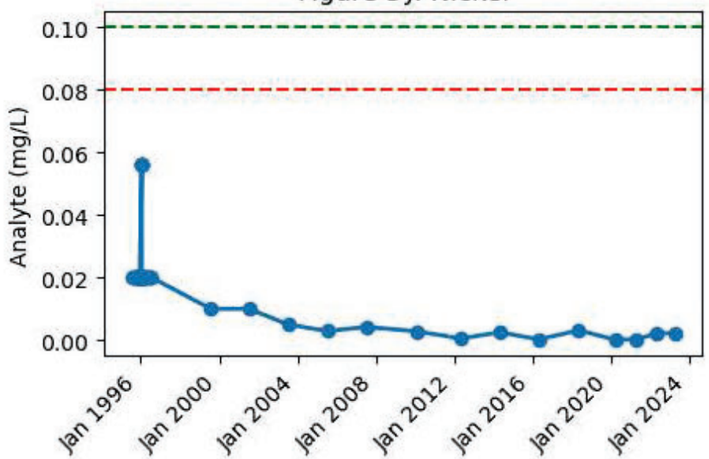

Figure 5z. Nitrate (as N)

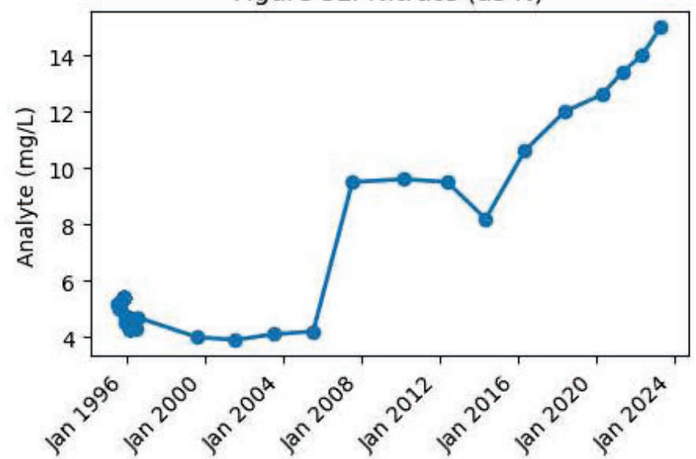

Figure 5aa. pH, Field

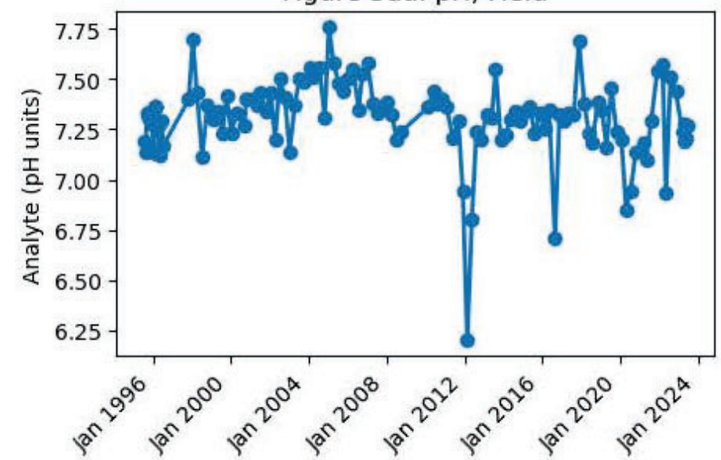

Figure 5ab. Potassium

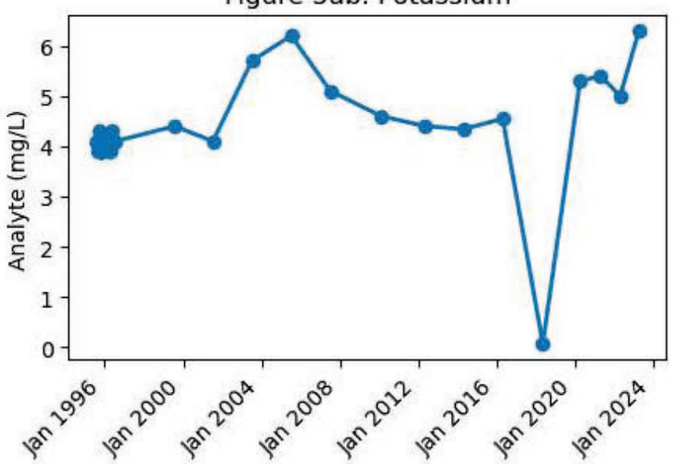

Figure 5ac. Radium-226 & 228

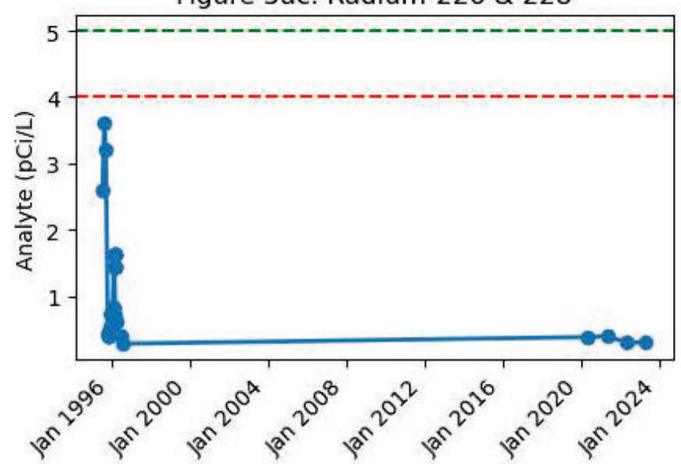

Figure 5ad. Selenium

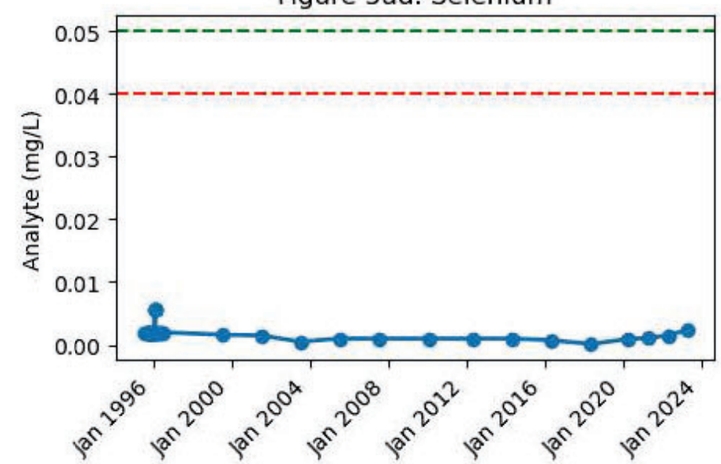

Figure 5ae. Sodium

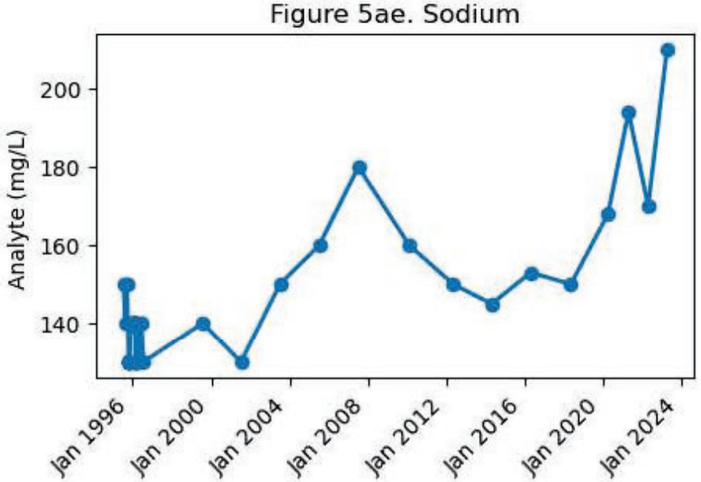

Figure 5af. Specific Conductance, Field

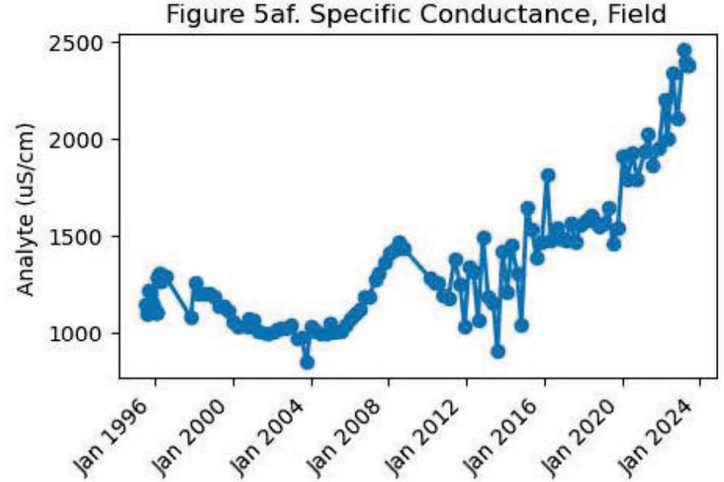

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Figure 5ag. Sulfate

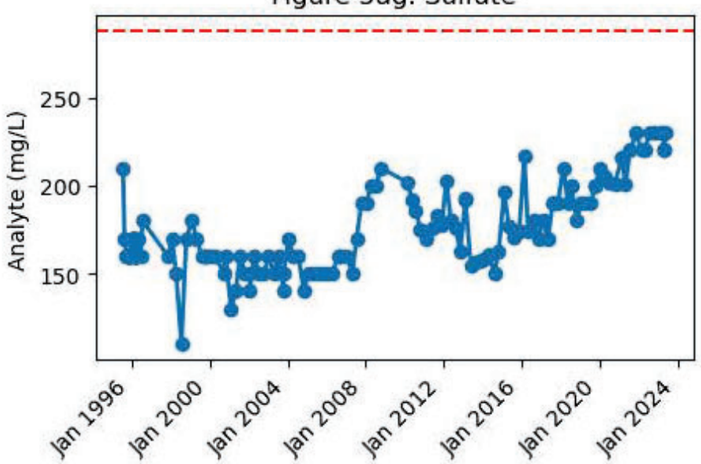


Figure 5ah. Temperature, Field

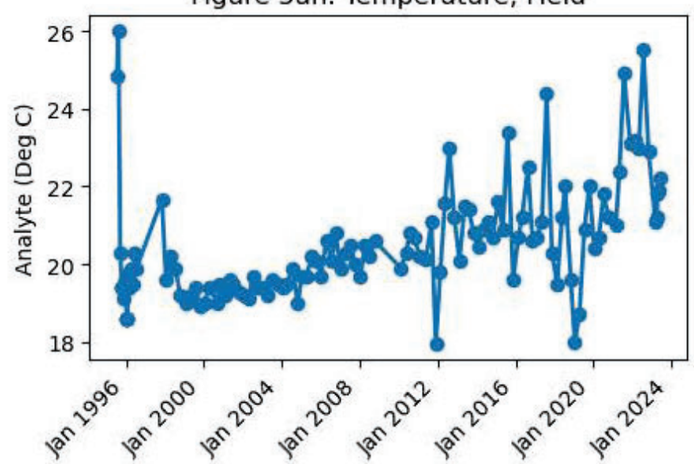


Figure 5ai. Thallium

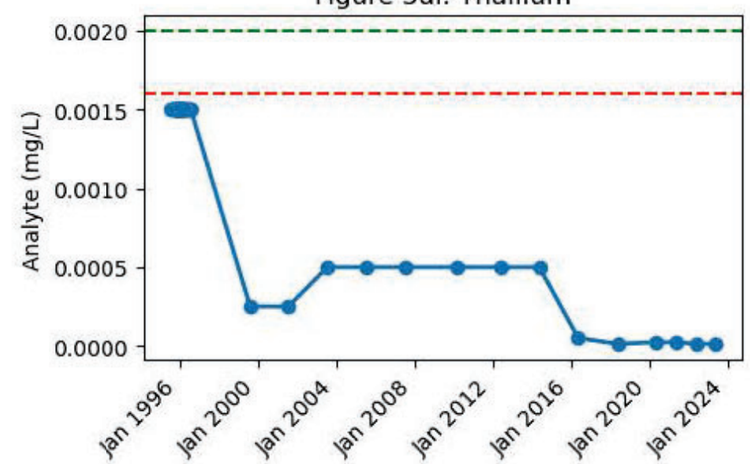


Figure 5aj. Toluene

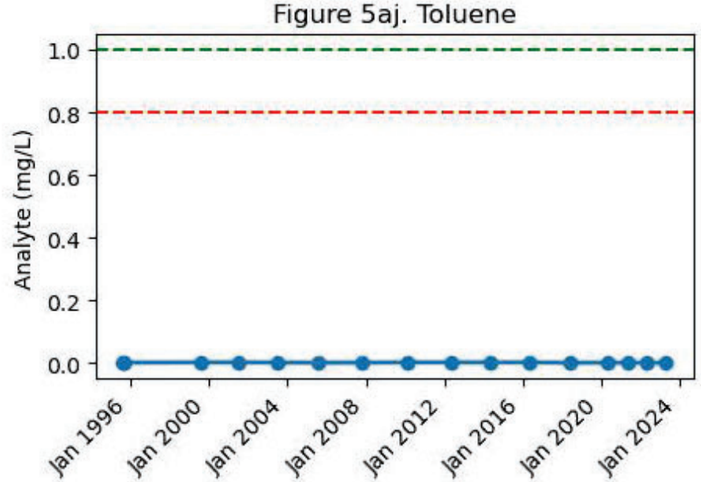


Figure 5ak. Total Dissolved Solids (TDS)

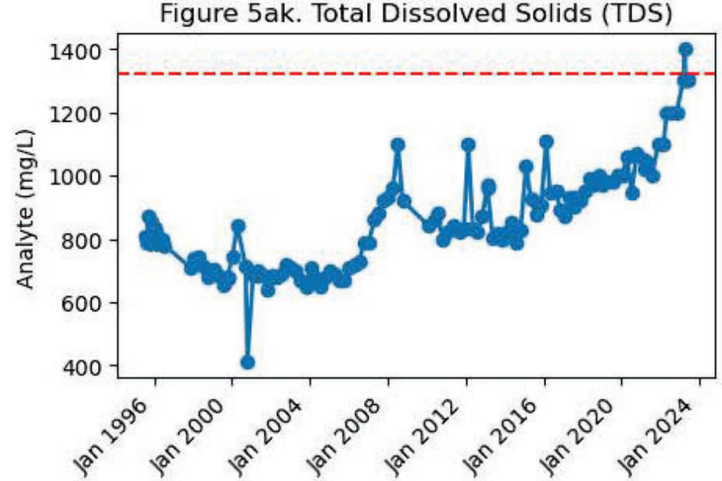


Figure 5al. Total Petroleum Hydrocarbons (C10-C22) Diesel

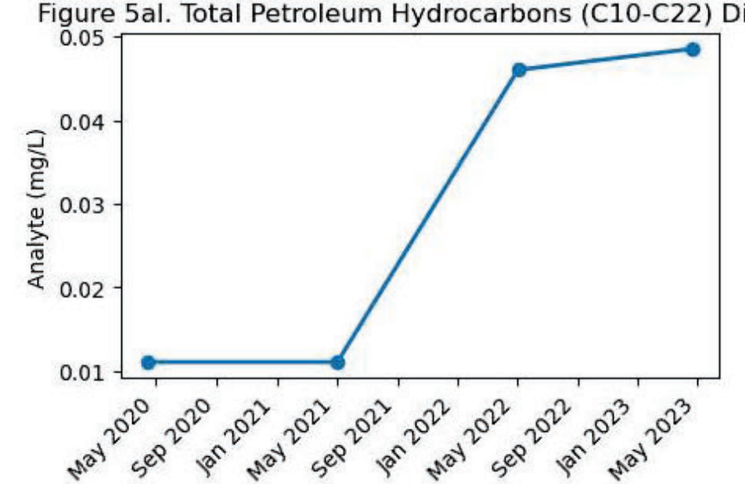


Figure 5am. Turbidity, Field

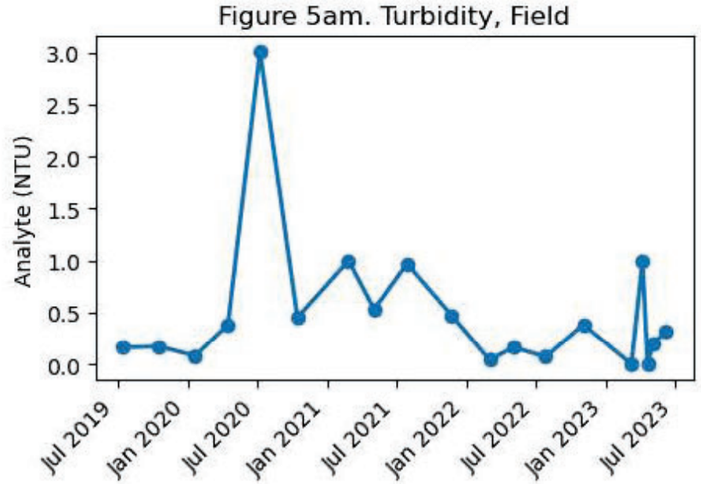
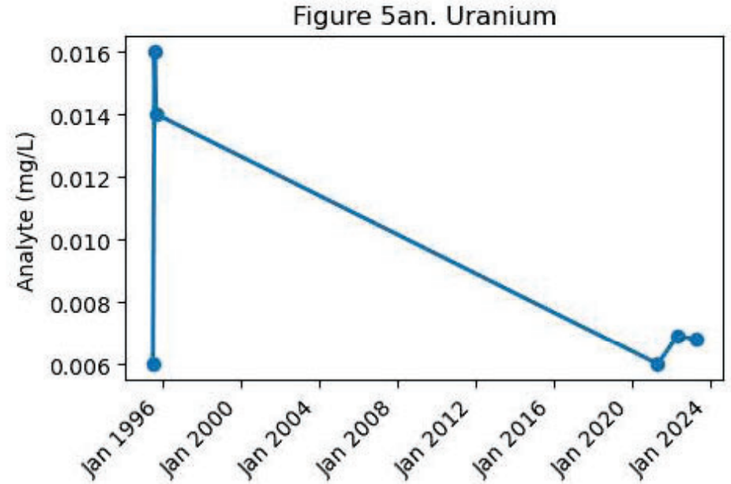


Figure 5an. Uranium



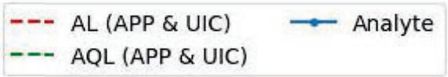


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Figure 5ao. Xylene (Total)

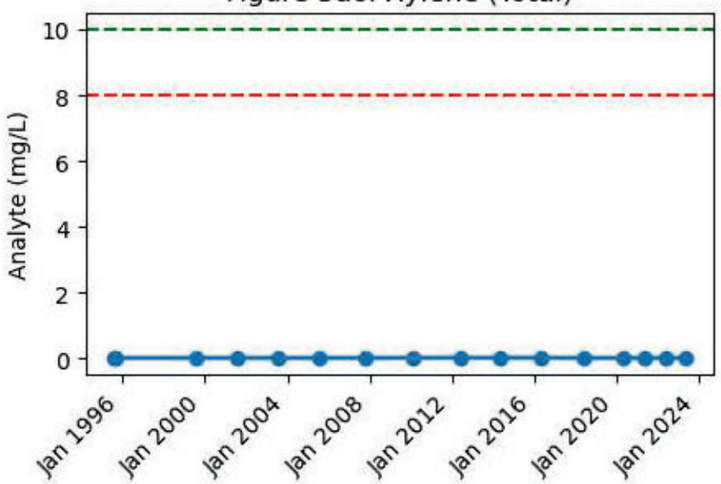

Figure 5ap. Zinc

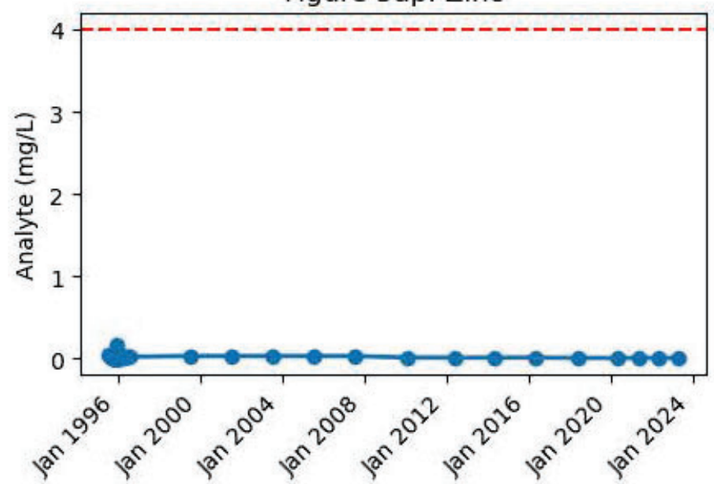

Figure 5aq. Total Uranium Isotopes

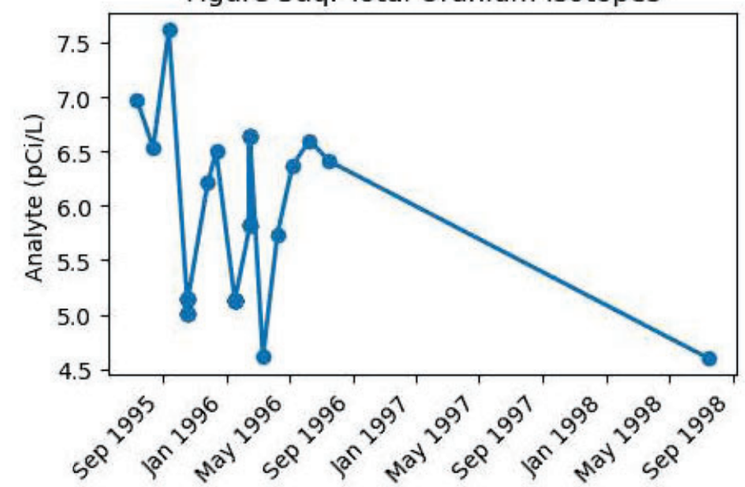

Figure 5ar. Ion Balance

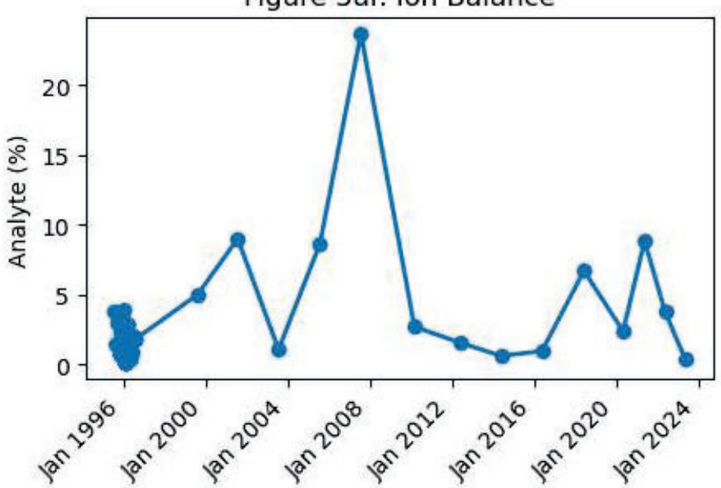

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Figure 6a. Alkalinity, Bicarbonate

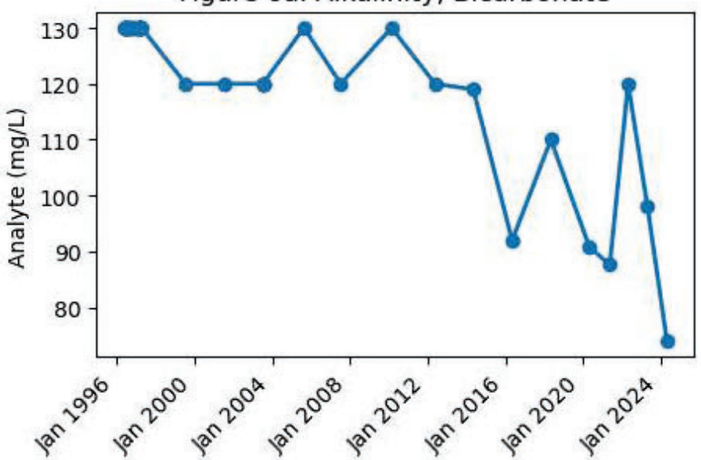

Figure 6b. Alkalinity, Carbonate

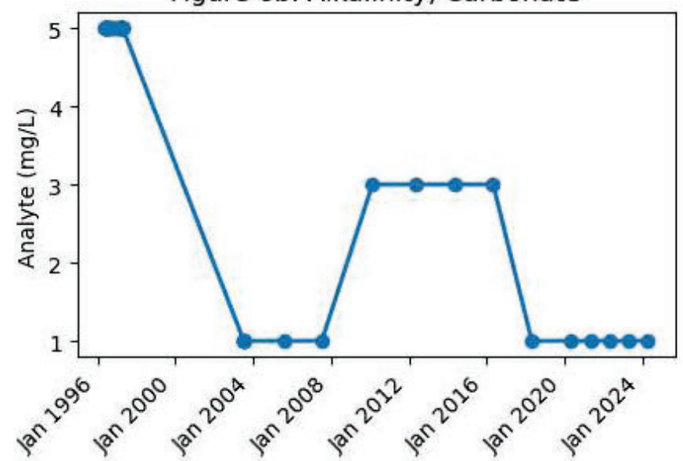

Figure 6c. Alkalinity, Hydroxide

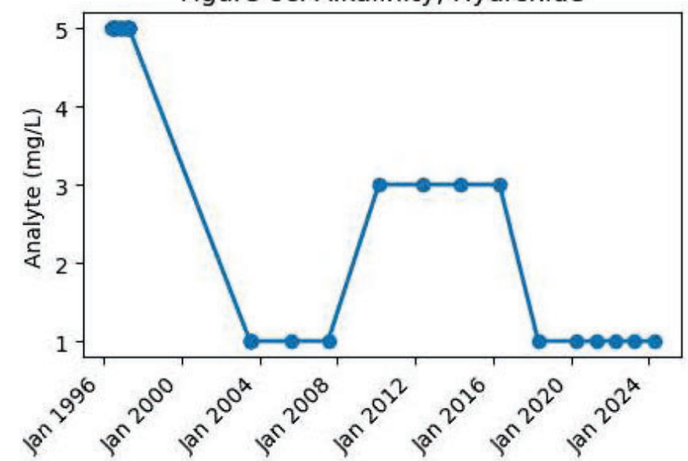

Figure 6d. Alkalinity, Total (as CaCO3)

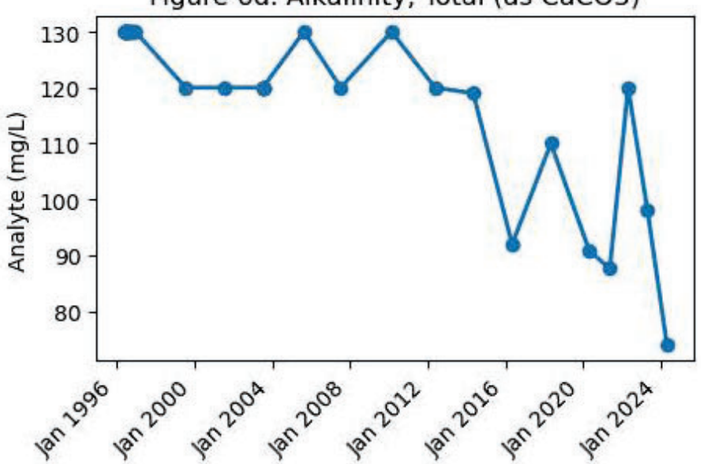

Figure 6e. Aluminum

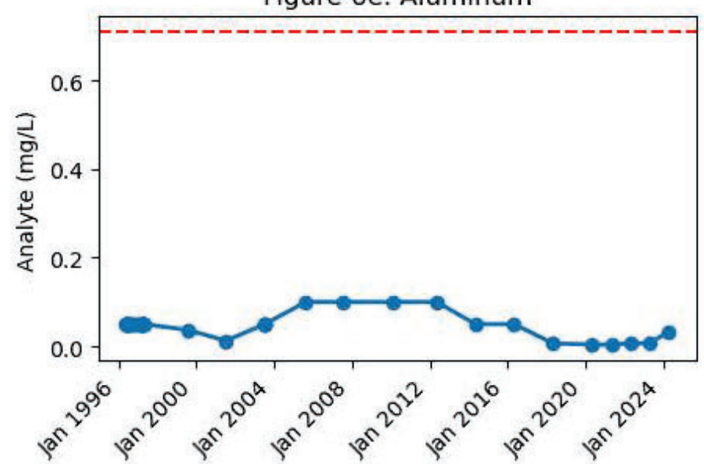

Figure 6f. Antimony

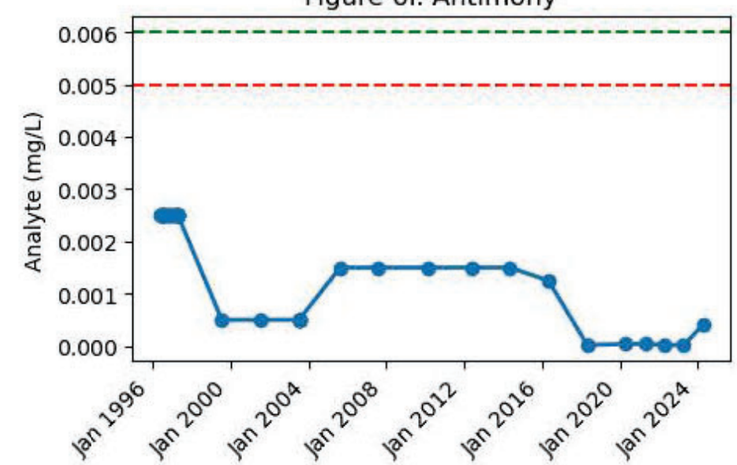

Figure 6g. Arsenic

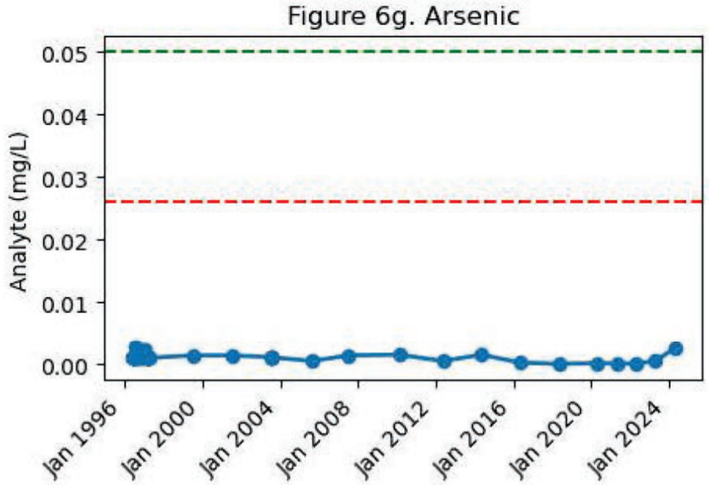

Figure 6h. Barium

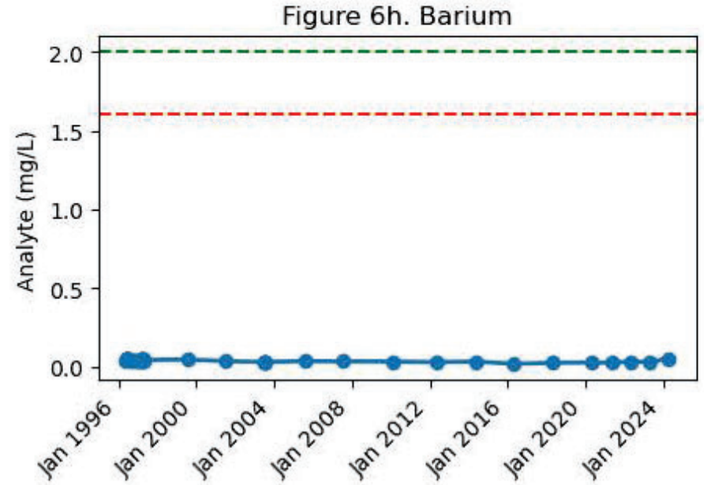

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Figure 6i. Benzene

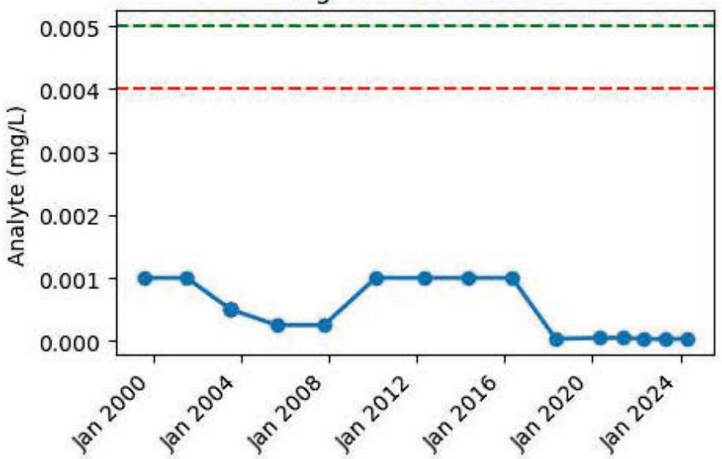

Figure 6j. Beryllium

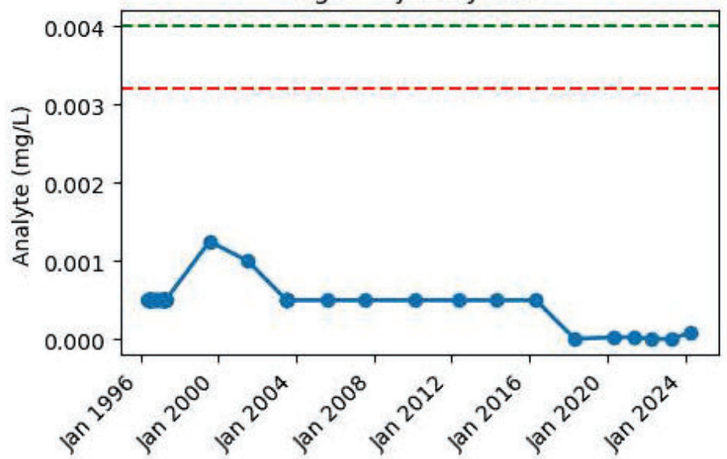

Figure 6k. Cadmium

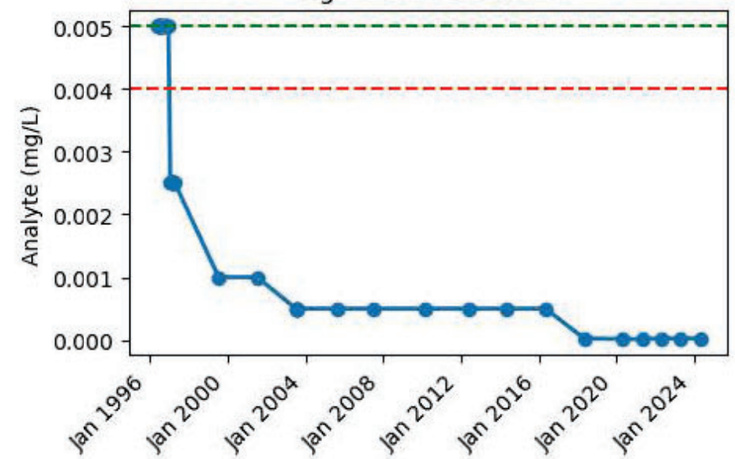

Figure 6l. Calcium

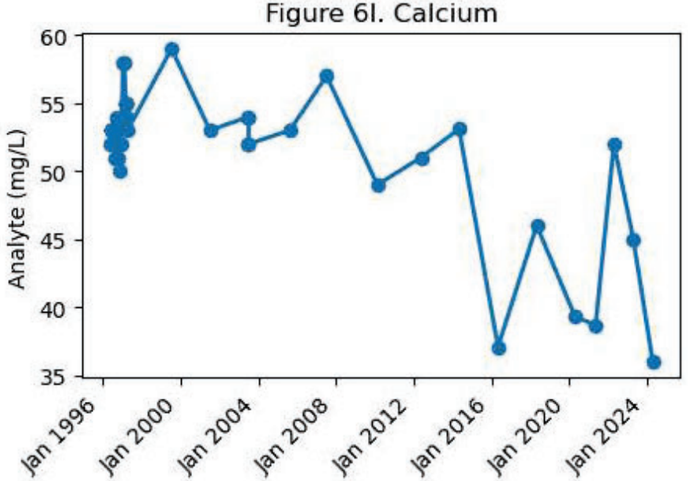

Figure 6m. Chloride

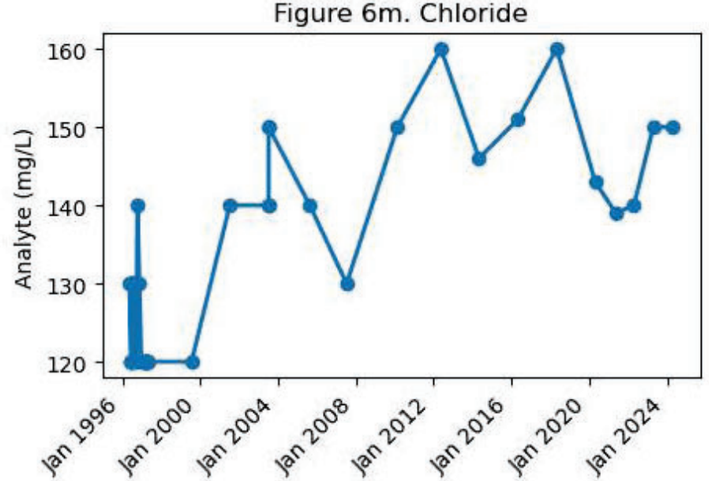

Figure 6n. Chromium

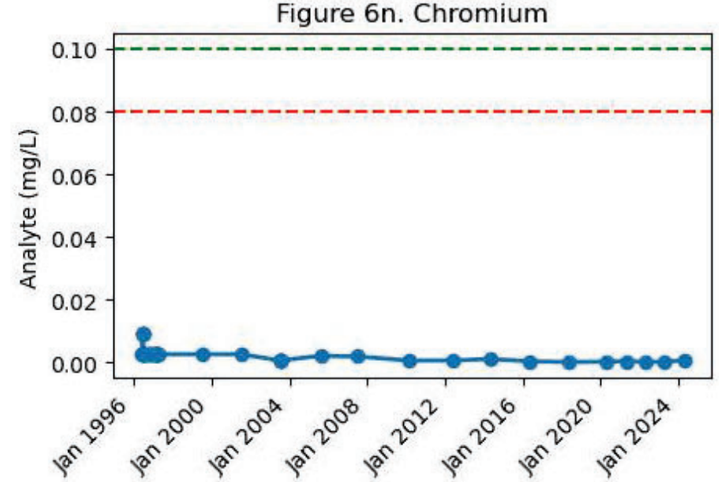

Figure 6o. Cobalt

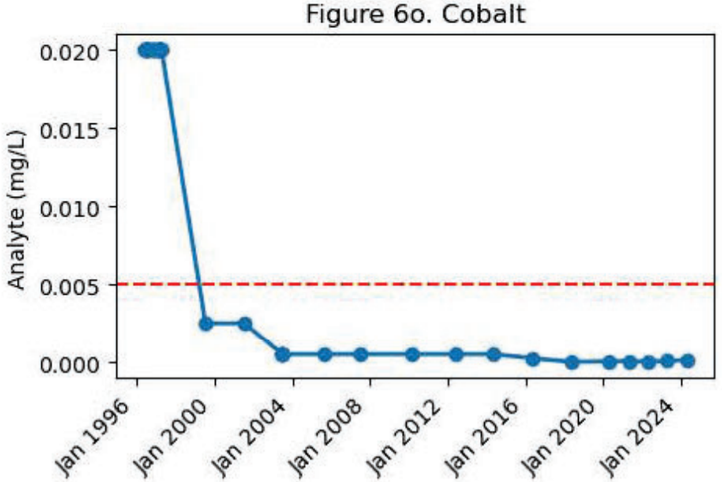

Figure 6p. Copper

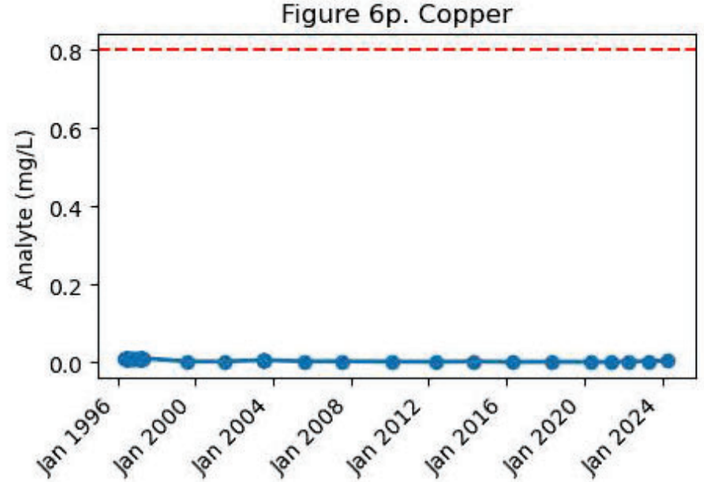

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Figure 6q. Ethylbenzene

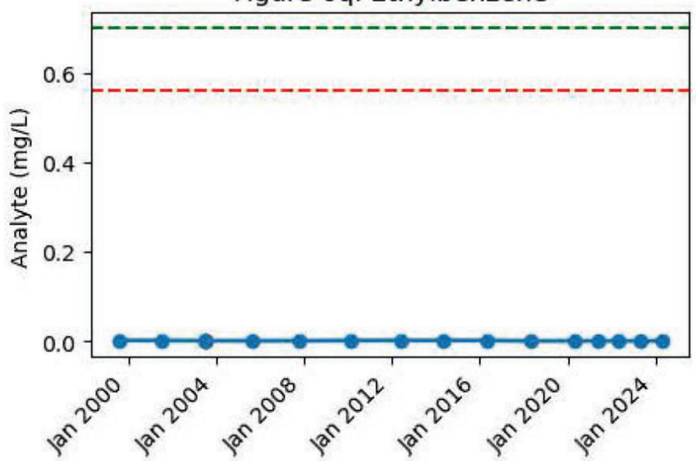

Figure 6r. Fluoride

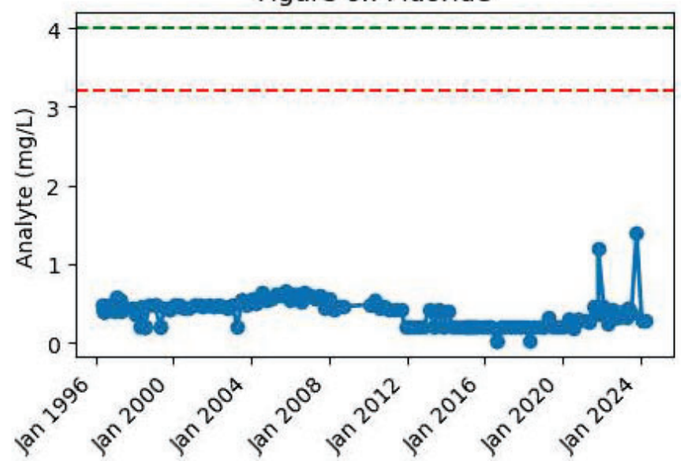

Figure 6s. Gross Alpha Analytes

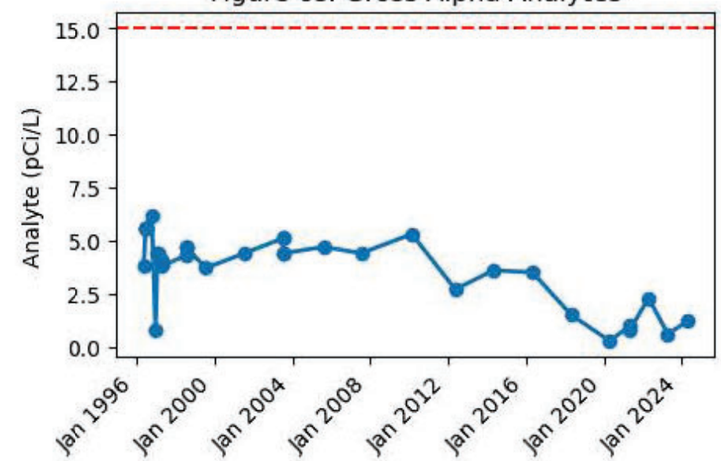

Figure 6t. Iron

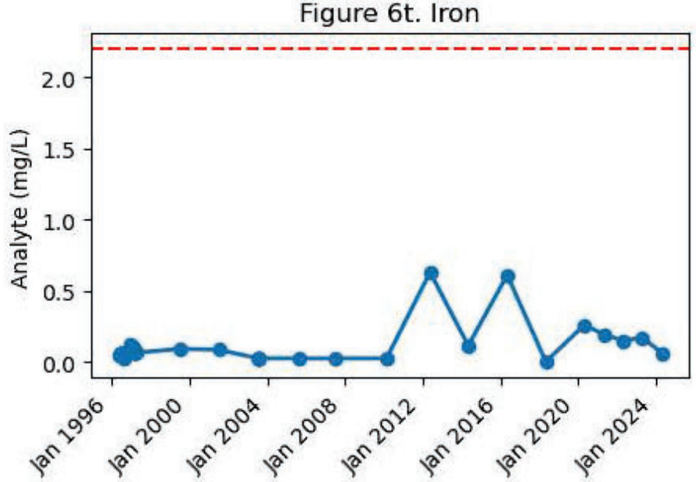

Figure 6u. Lead

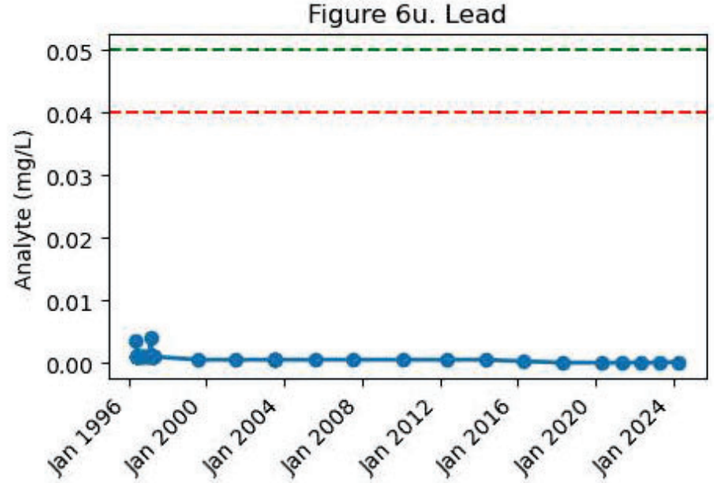

Figure 6v. Magnesium

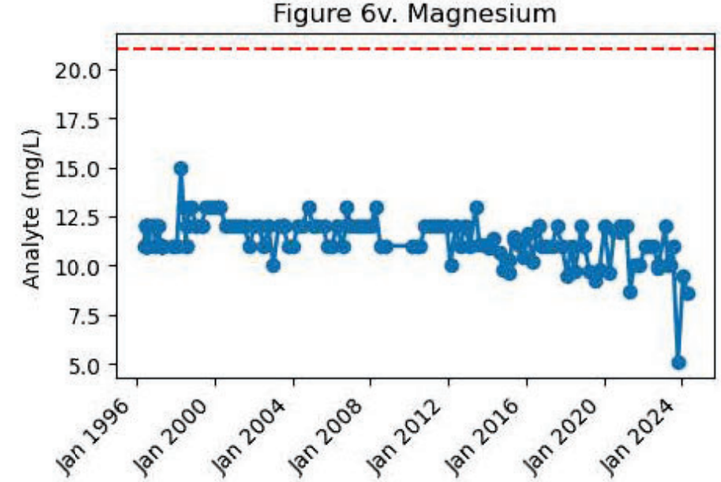

Figure 6w. Manganese

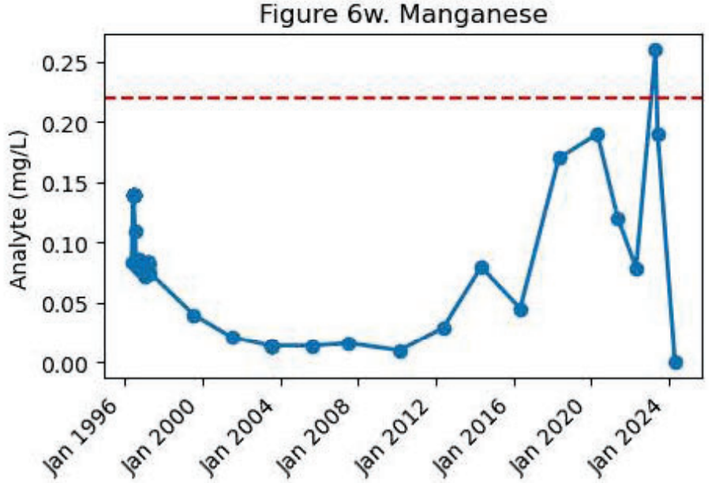

Figure 6x. Mercury

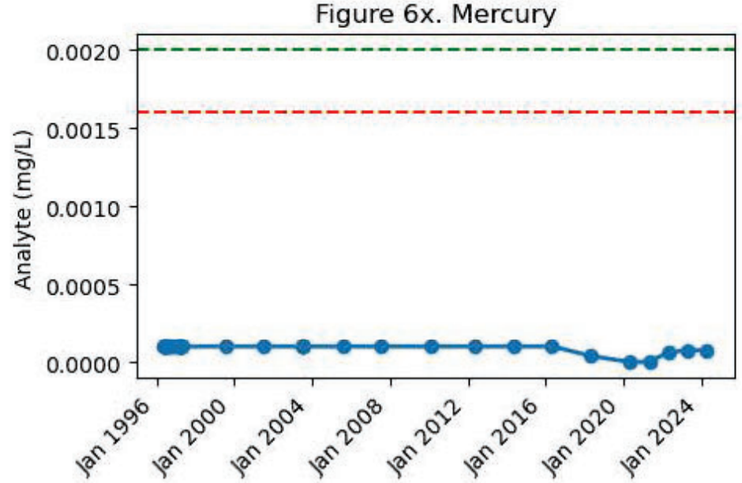

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Figure 6y. Nickel

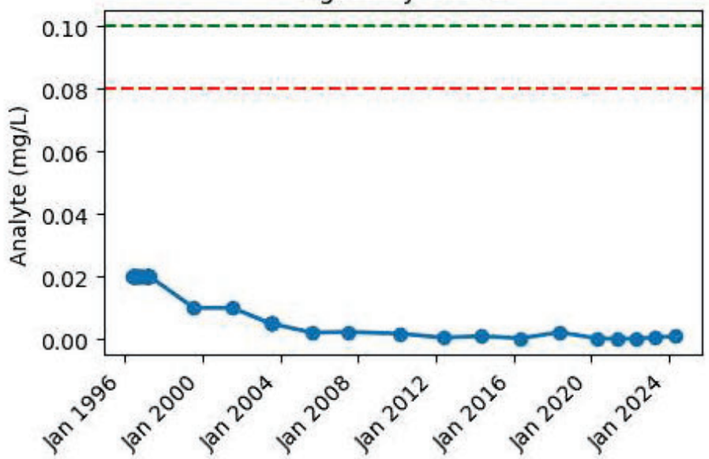

Figure 6z. Nitrate (as N)

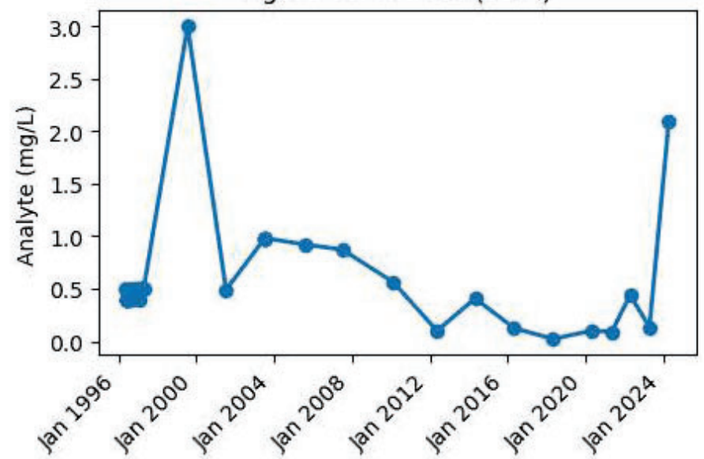

Figure 6aa. pH, Field

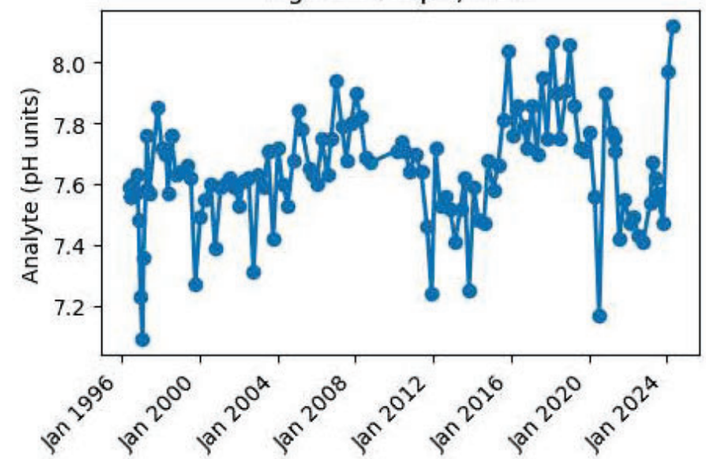

Figure 6ab. Potassium

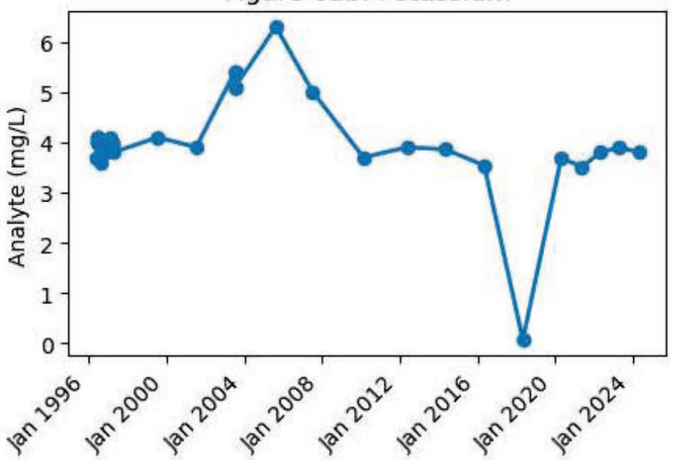

Figure 6ac. Radium-226 & 228

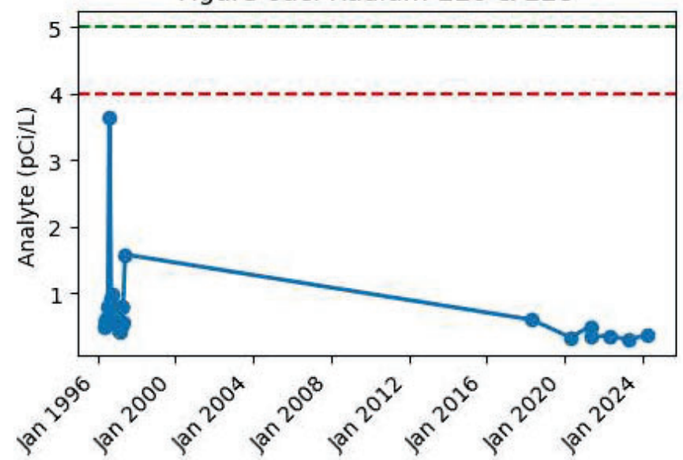

Figure 6ad. Selenium

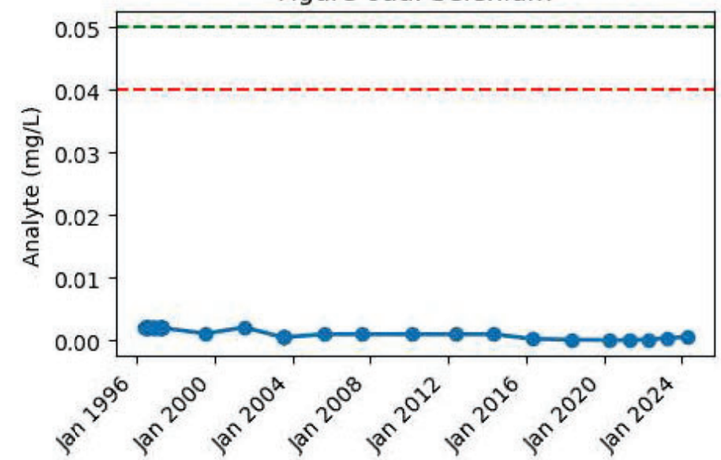

Figure 6ae. Sodium

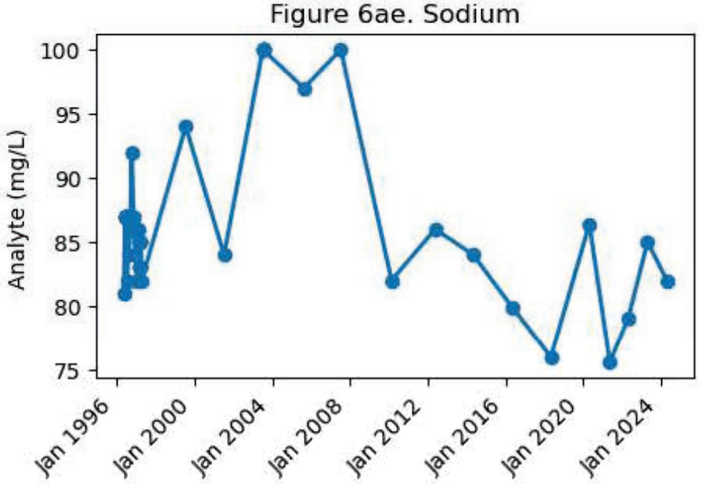

Figure 6af. Specific Conductance, Field

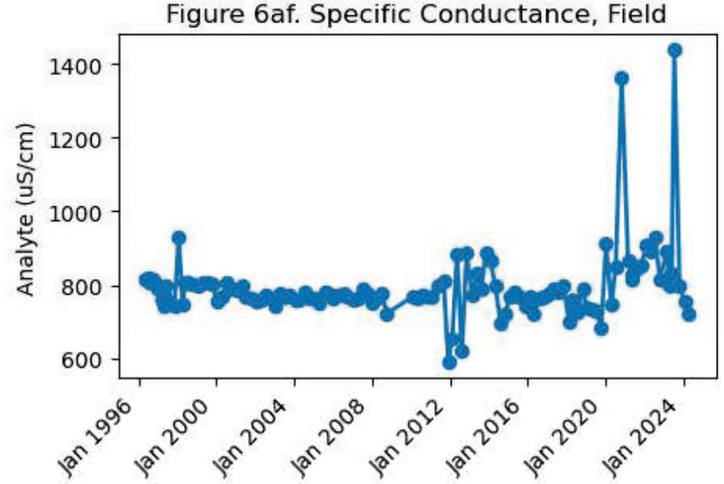

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Figure 6ag. Sulfate

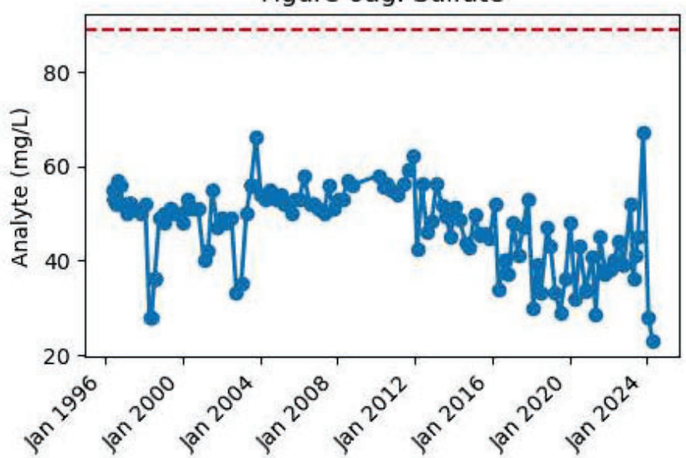

Figure 6ah. Temperature, Field

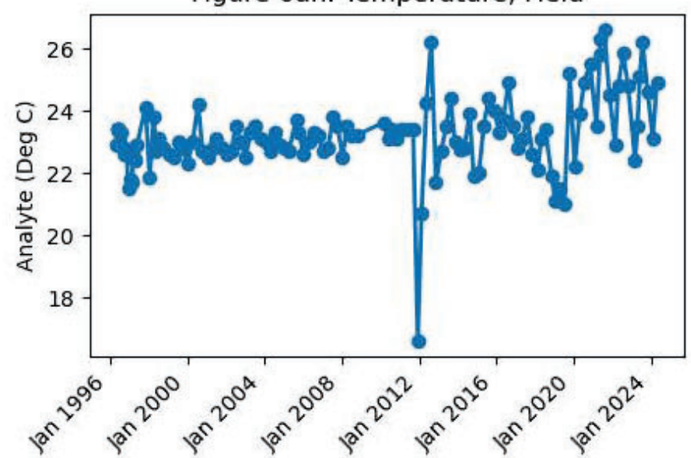

Figure 6ai. Thallium

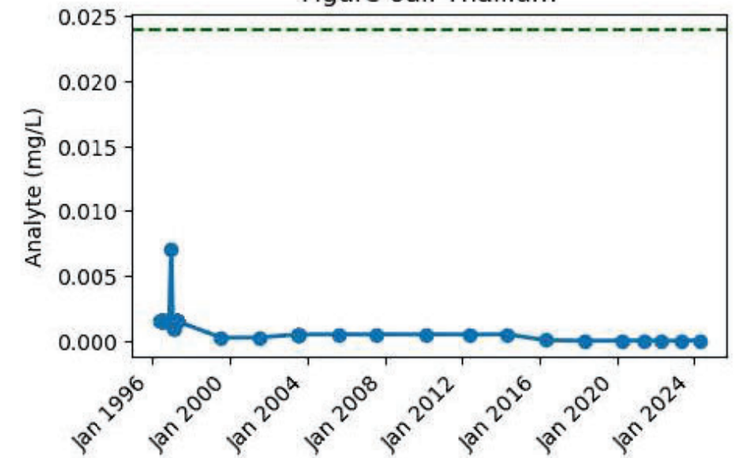

Figure 6aj. Toluene

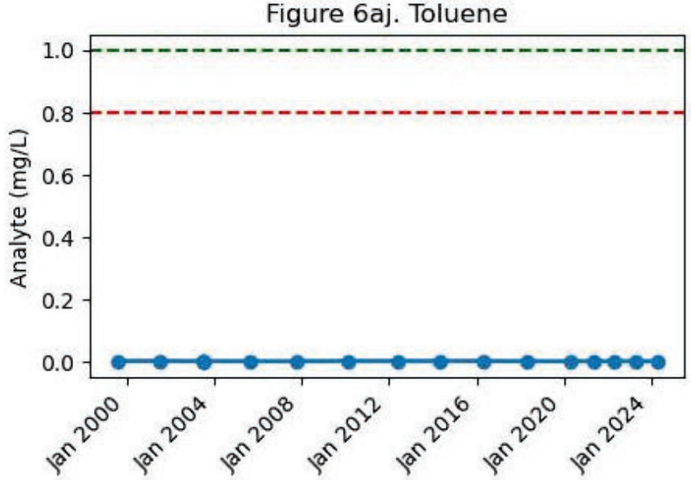

Figure 6ak. Total Dissolved Solids (TDS)

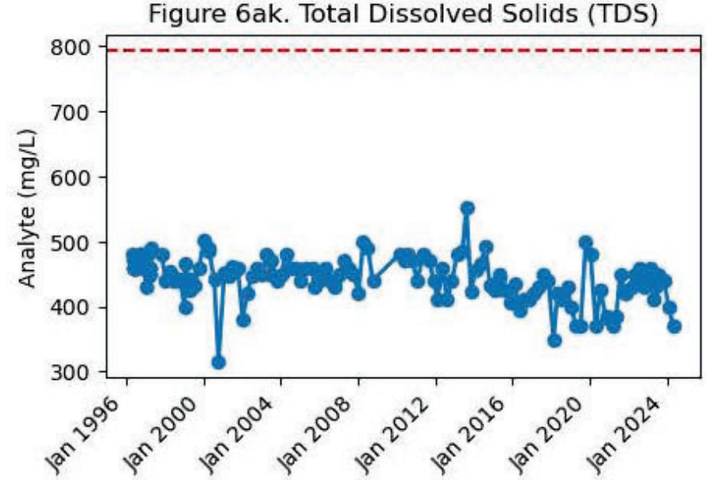

Figure 6al. Total Petroleum Hydrocarbons (C10-C22) Diesel

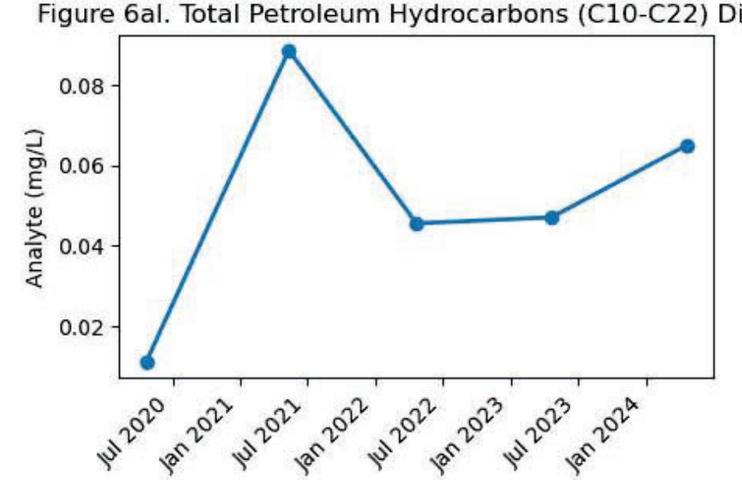

Figure 6am. Turbidity, Field

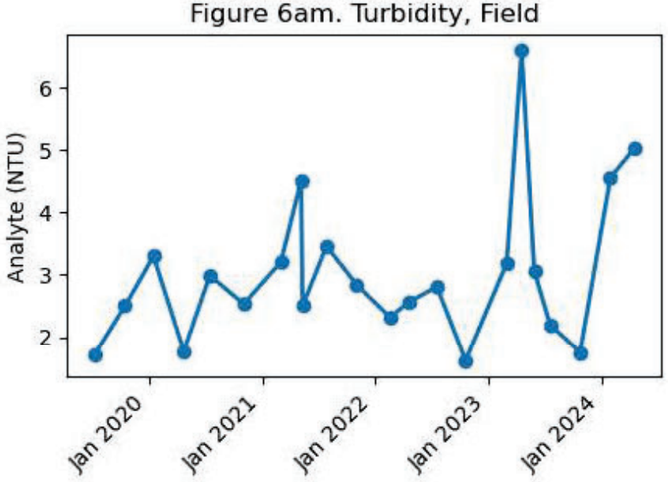

Figure 6an. Uranium

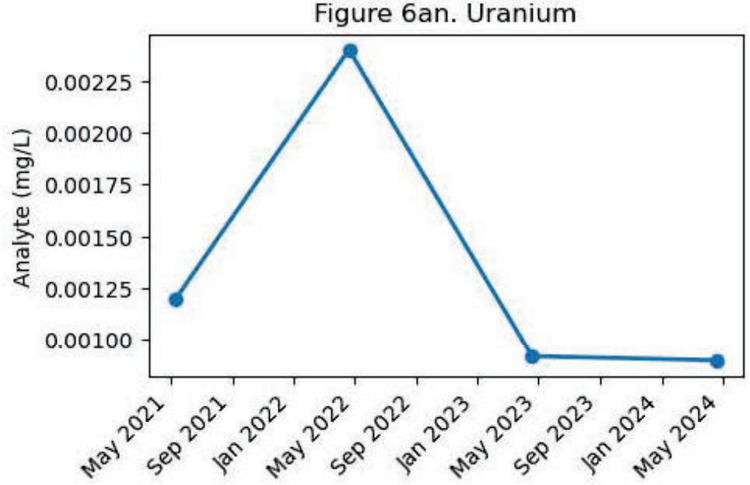

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Figure 6ao. Xylene (Total)

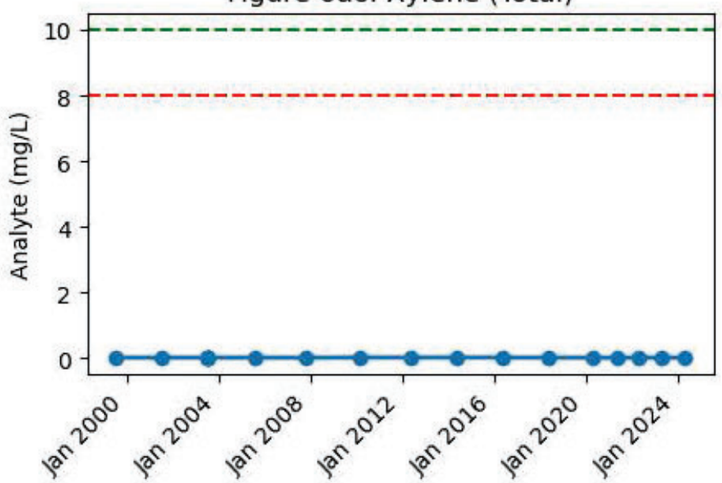


Figure 6ap. Zinc

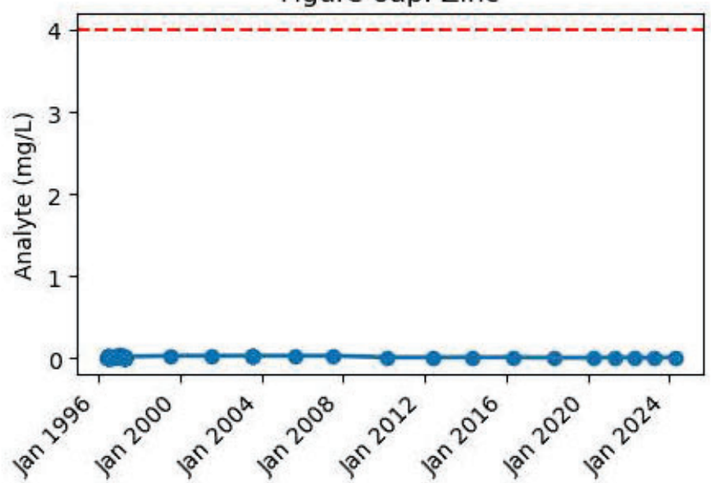


Figure 6aq. Total Uranium Isotopes

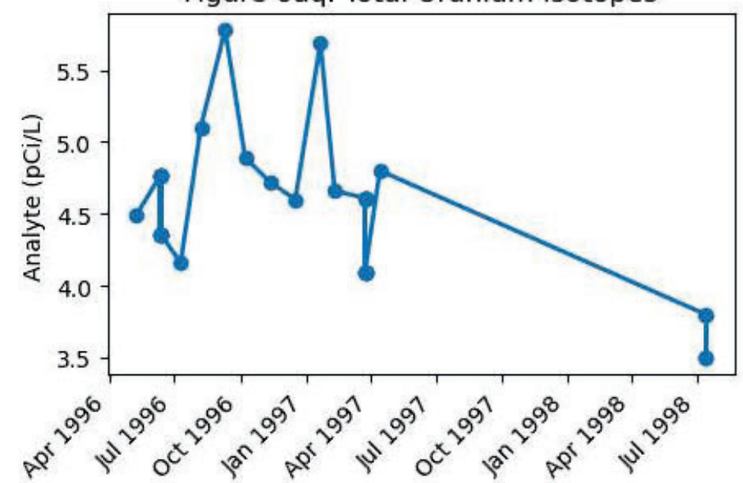
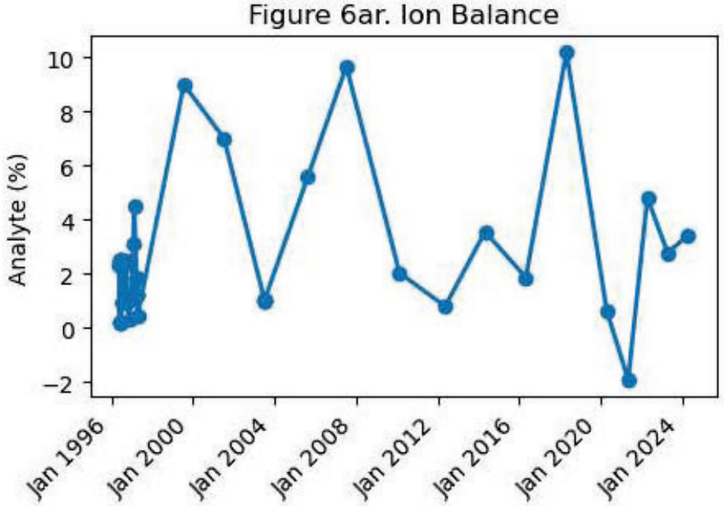


Figure 6ar. Ion Balance



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M1-GL Quarterly Analyte Graphs

Figure 7a. Alkalinity, Bicarbonate

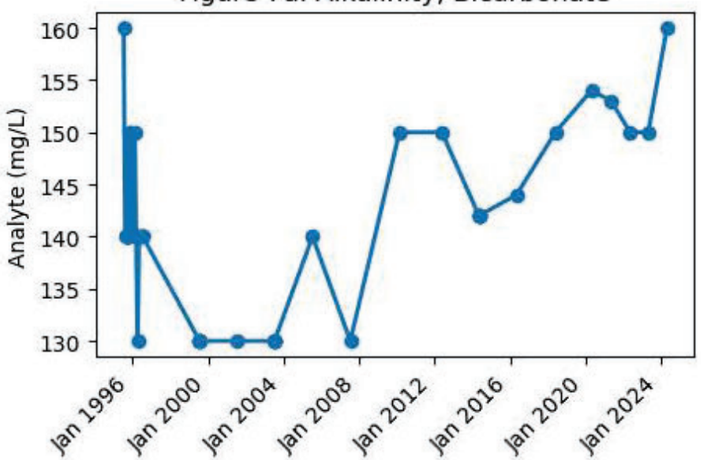


Figure 7b. Alkalinity, Carbonate

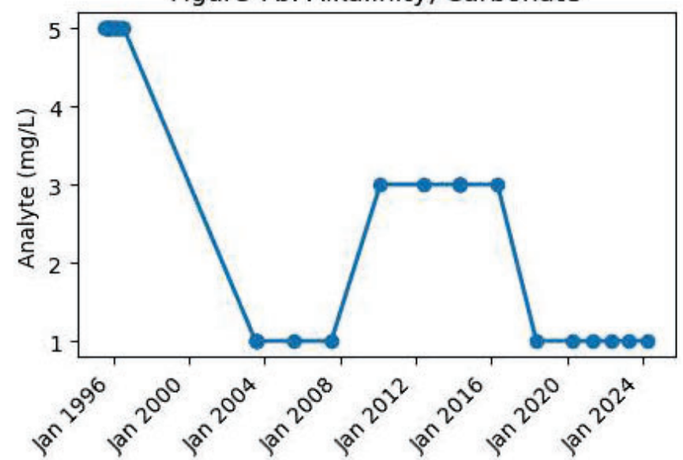


Figure 7c. Alkalinity, Hydroxide

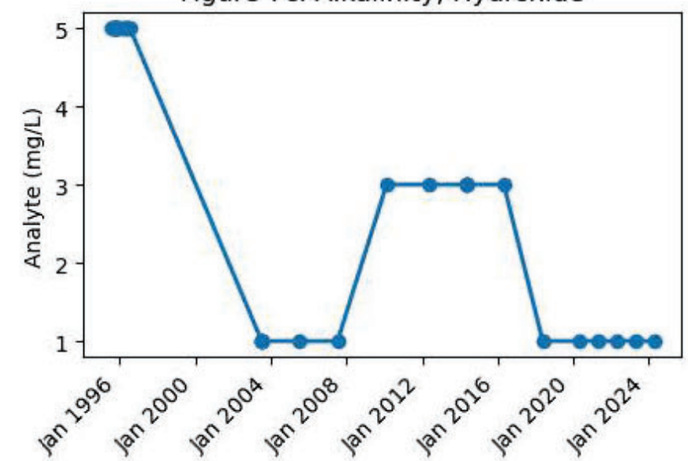


Figure 7d. Alkalinity, Total (as CaCO3)

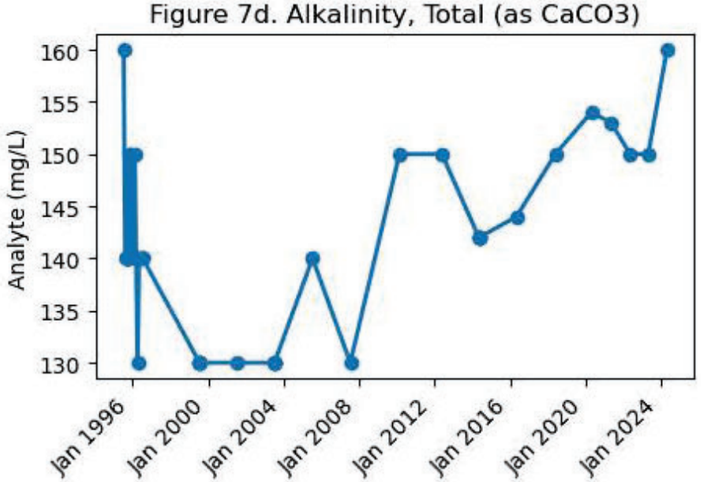


Figure 7e. Aluminum

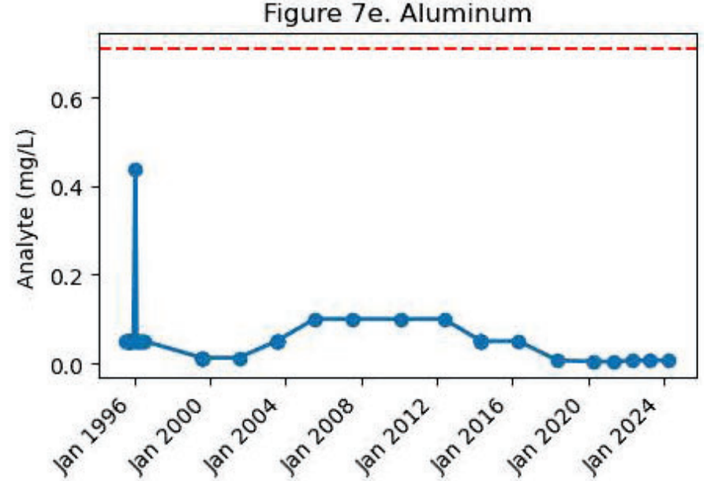


Figure 7f. Antimony

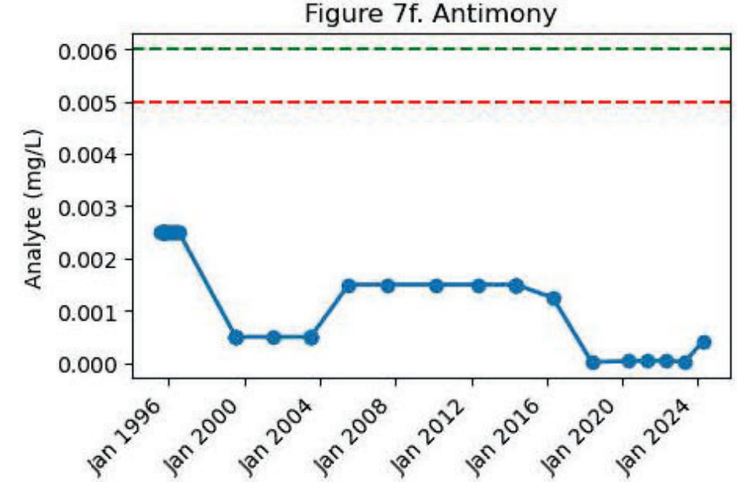


Figure 7g. Arsenic

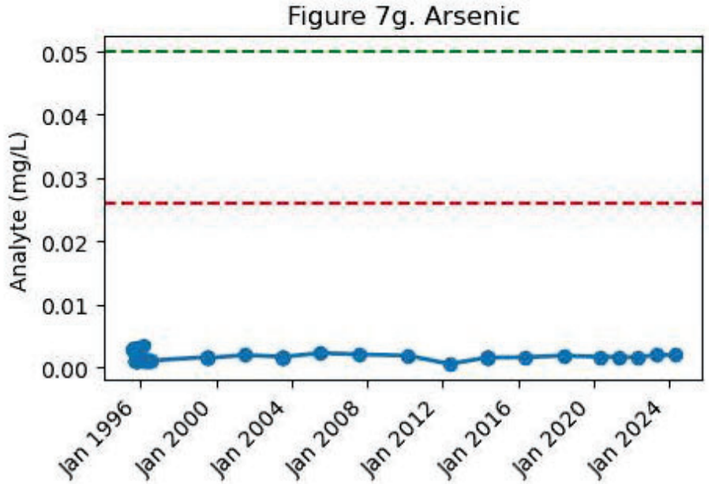
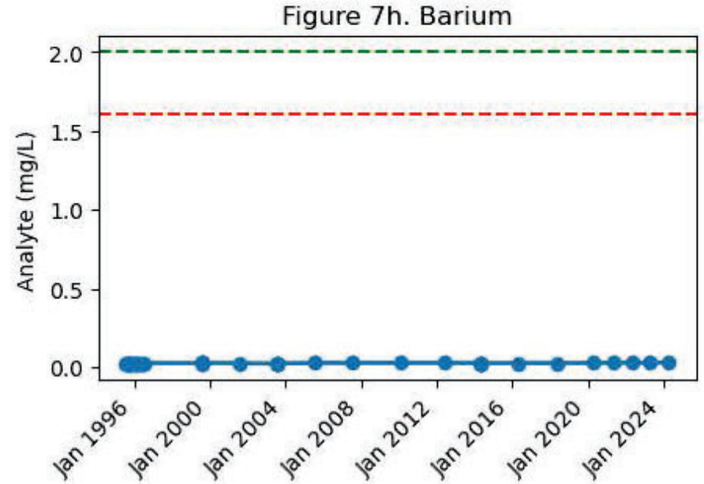


Figure 7h. Barium



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M1-GL Quarterly Analyte Graphs

Figure 7i. Benzene

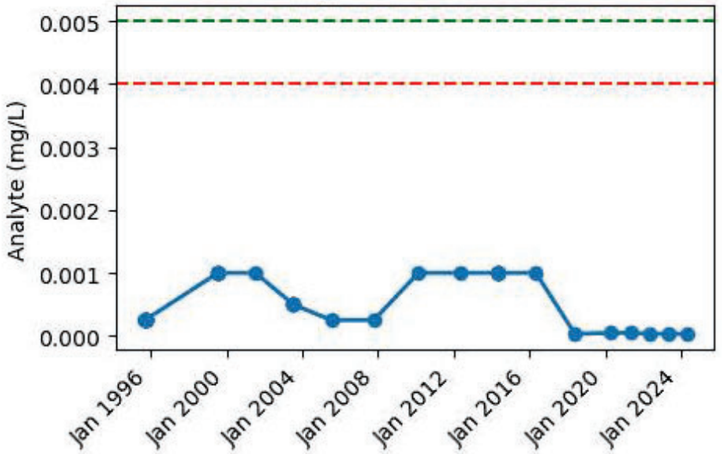


Figure 7j. Beryllium

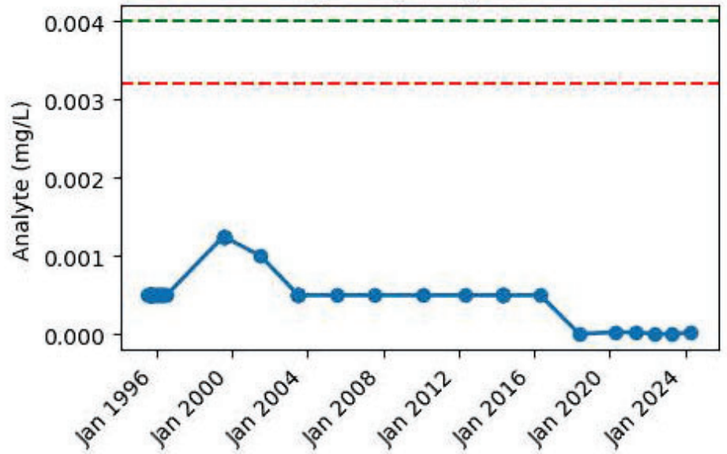


Figure 7k. Cadmium

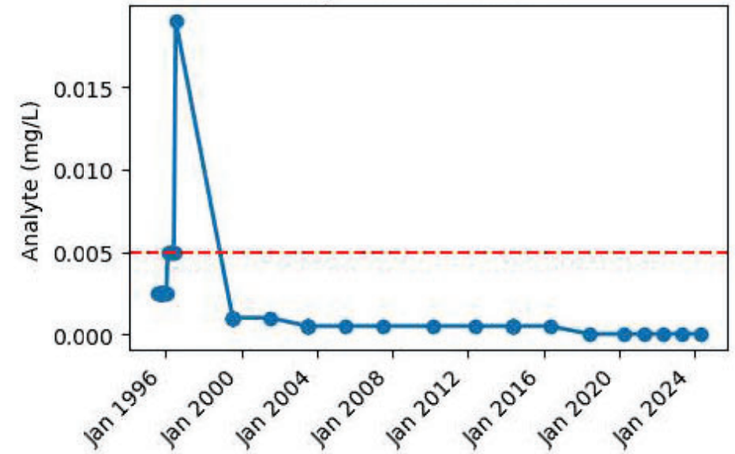


Figure 7l. Calcium

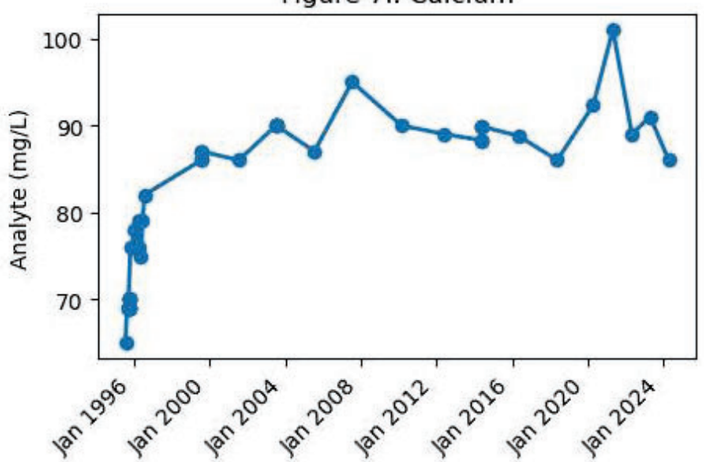


Figure 7m. Chloride

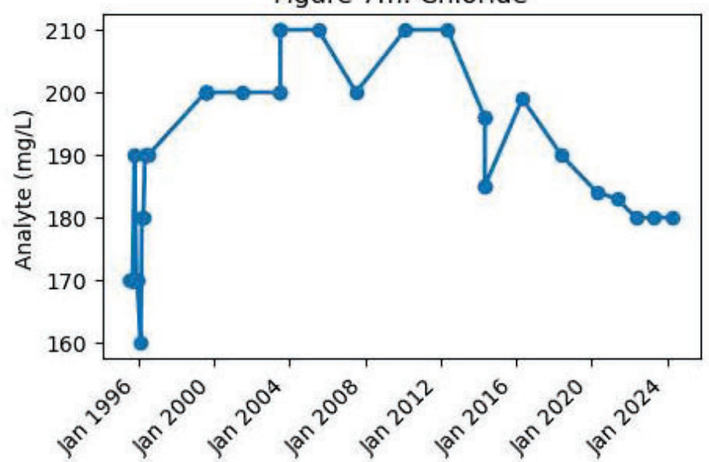


Figure 7n. Chromium

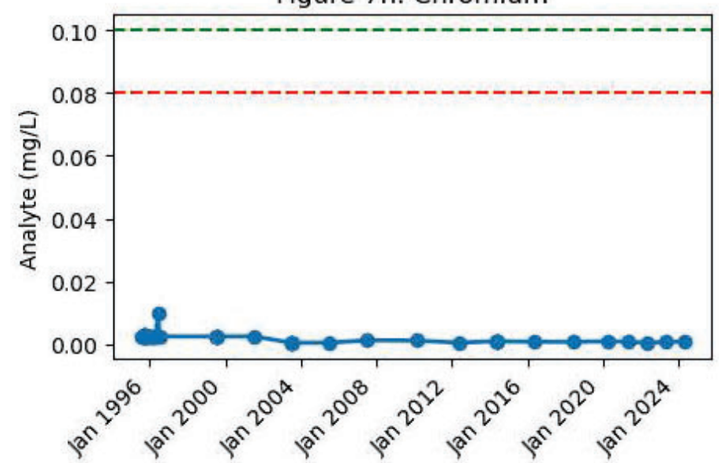


Figure 7o. Cobalt

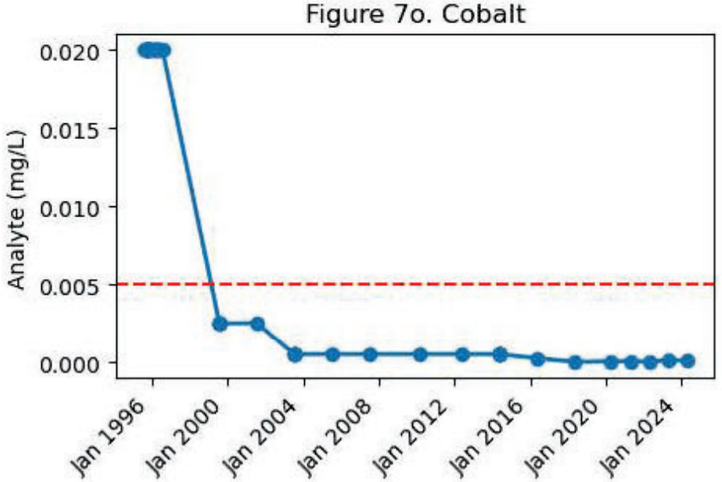
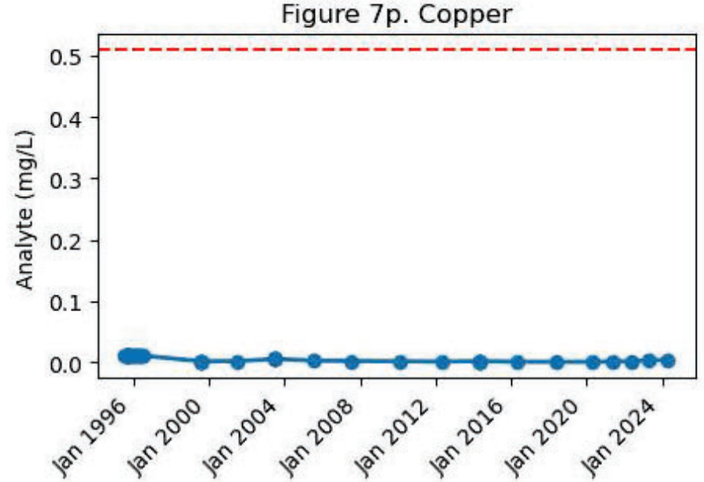


Figure 7p. Copper



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M1-GL Quarterly Analyte Graphs

Figure 7q. Ethylbenzene

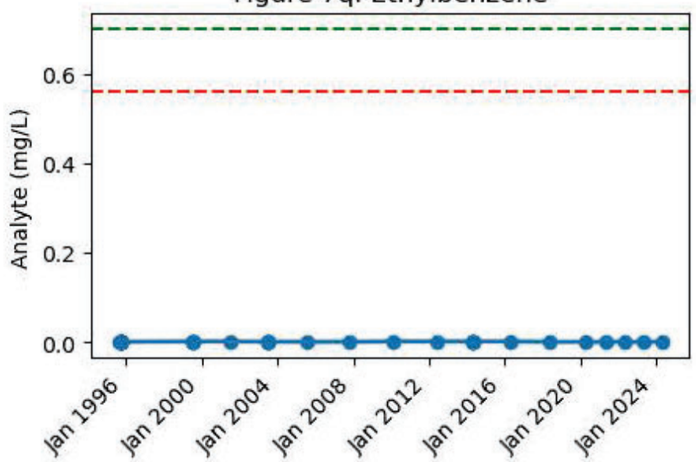

Figure 7r. Fluoride

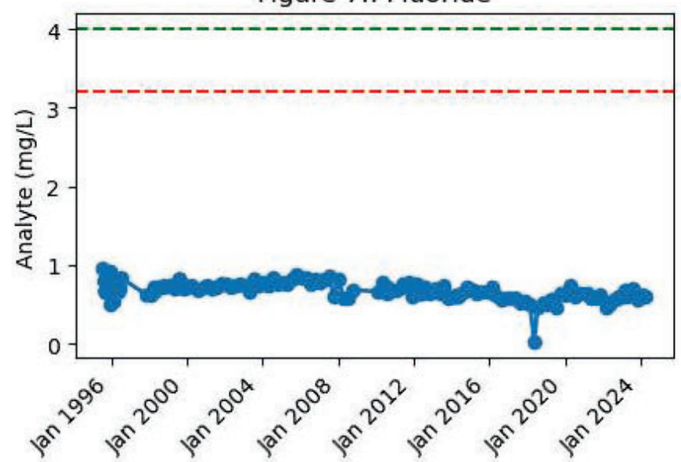

Figure 7s. Gross Alpha Analytes

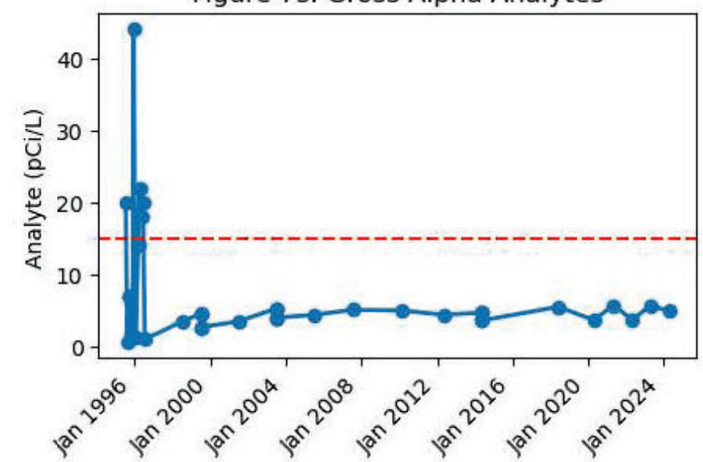

Figure 7t. Iron

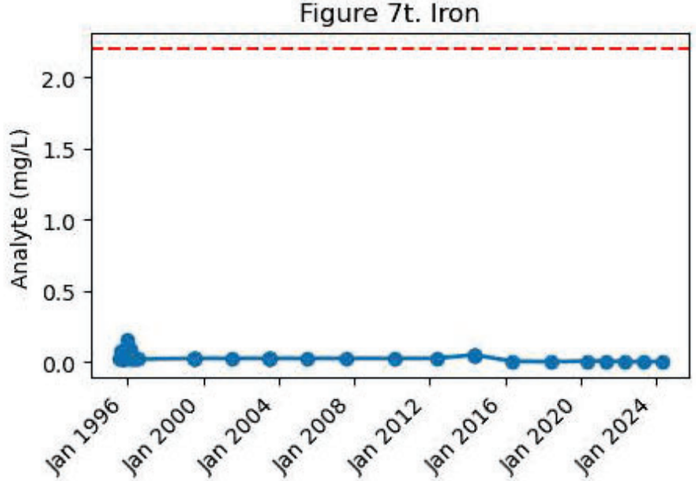

Figure 7u. Lead

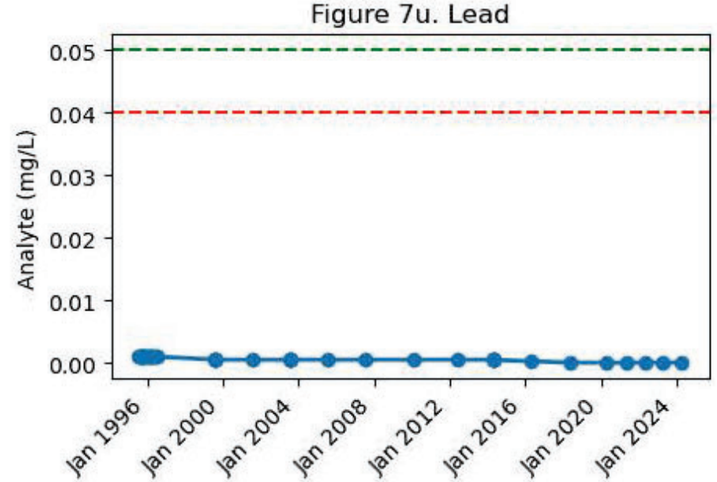

Figure 7v. Magnesium

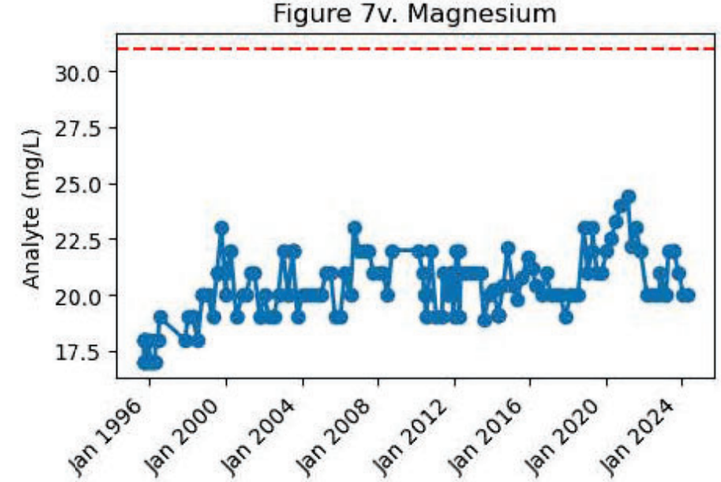

Figure 7w. Manganese

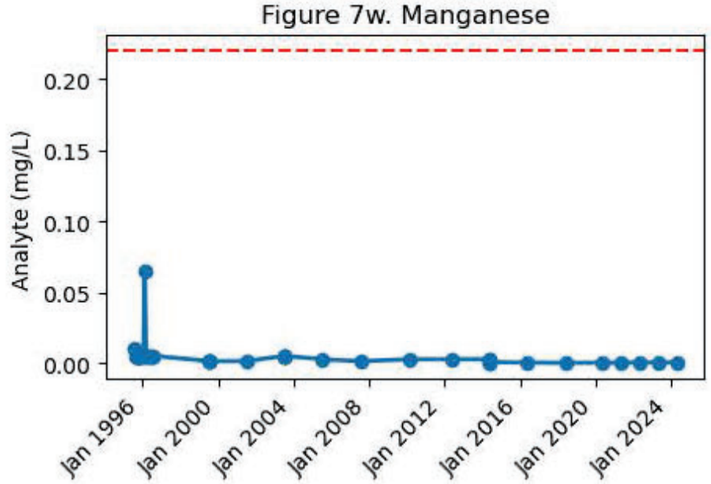

Figure 7x. Mercury

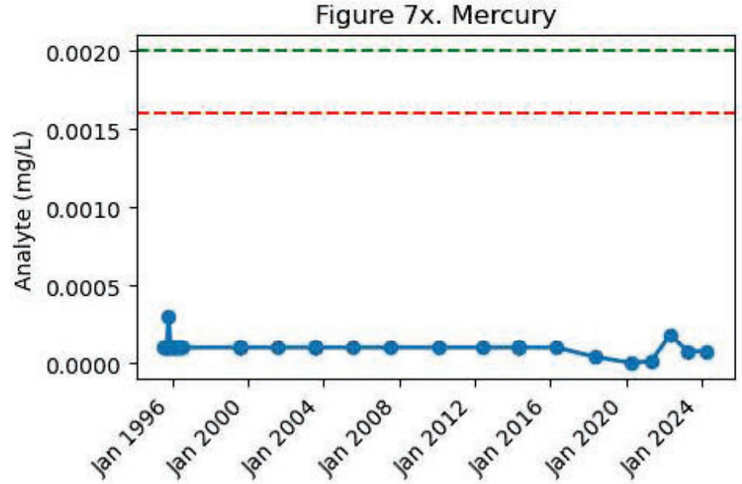

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Figure 7y. Nickel

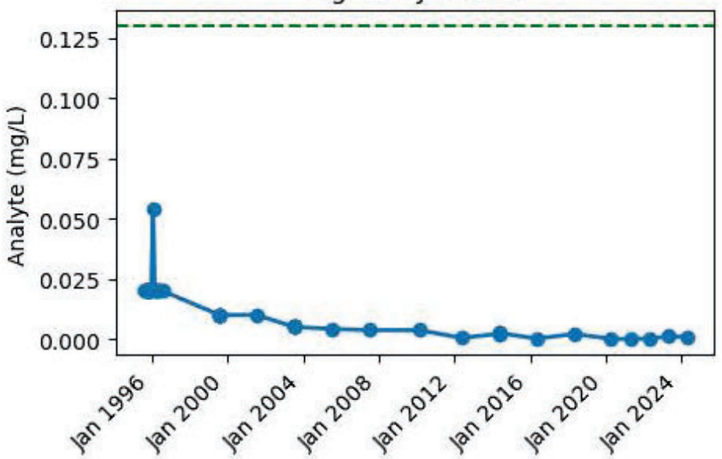

Figure 7z. Nitrate (as N)

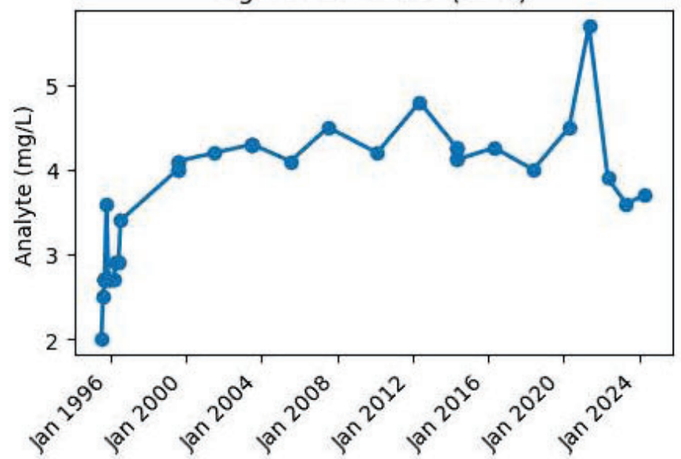

Figure 7aa. pH, Field

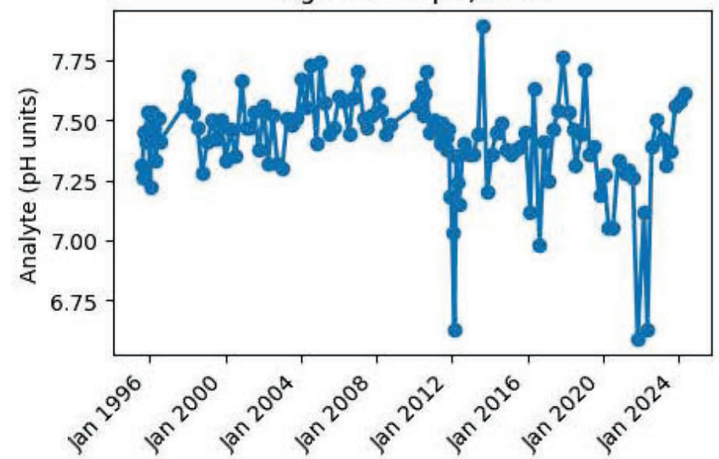

Figure 7ab. Potassium

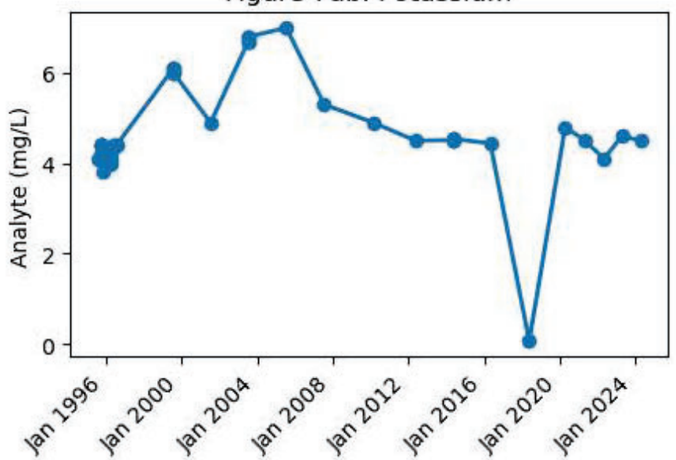

Figure 7ac. Radium-226 & 228

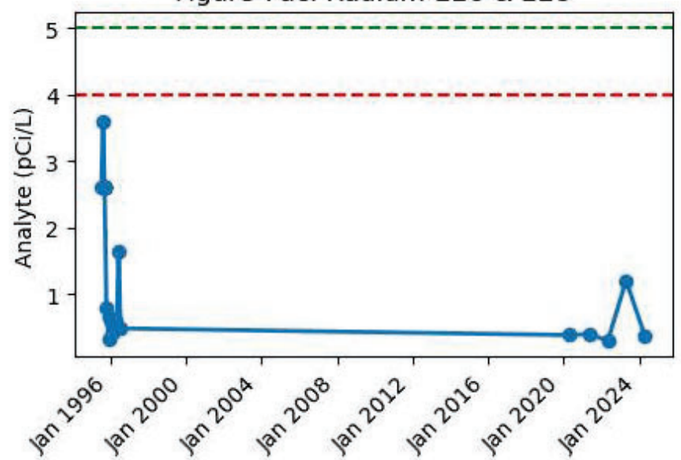

Figure 7ad. Selenium

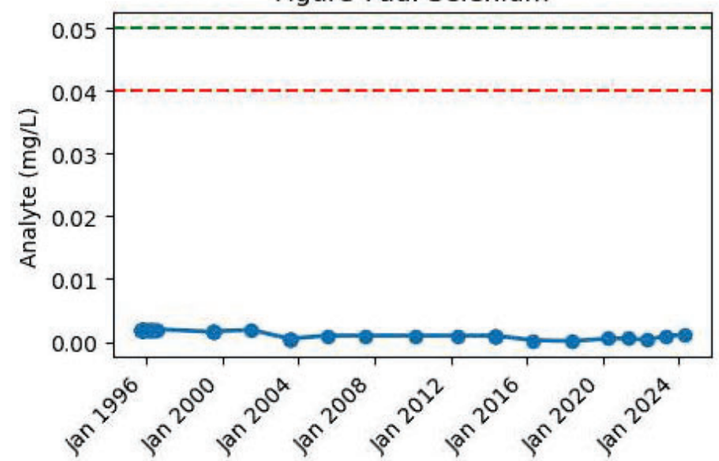

Figure 7ae. Sodium

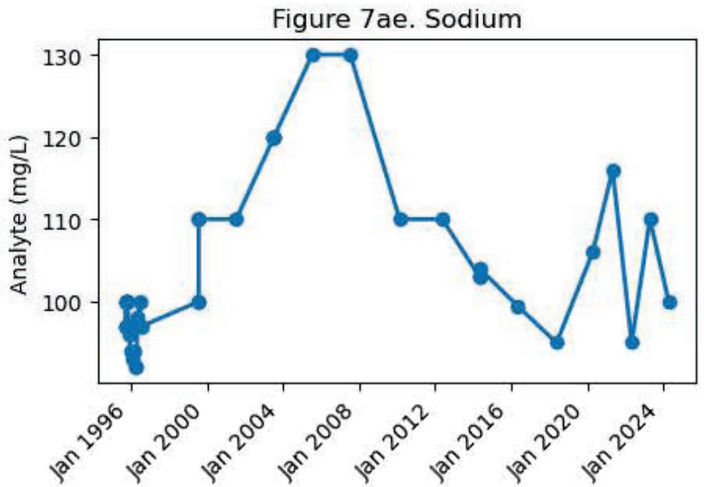

Figure 7af. Specific Conductance, Field

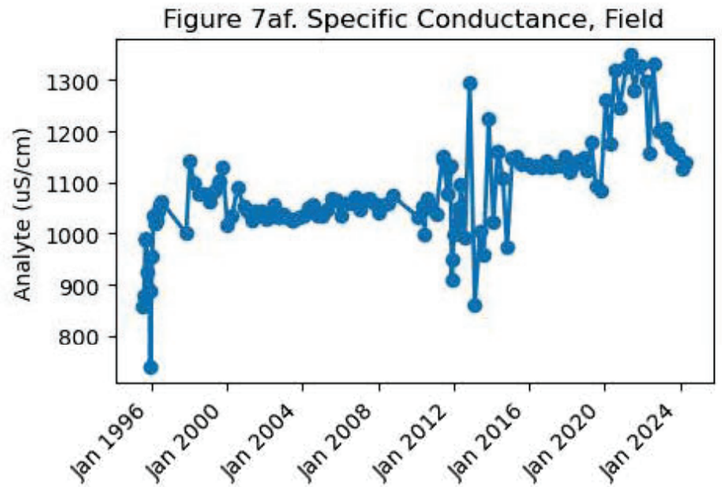

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Figure 7ag. Sulfate

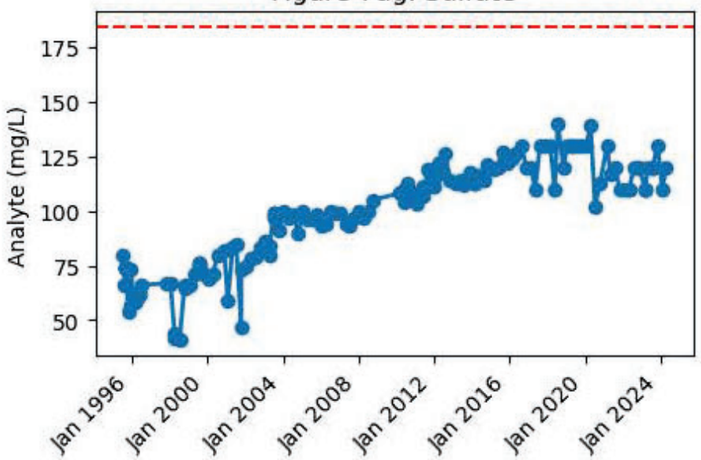


Figure 7ah. Temperature, Field

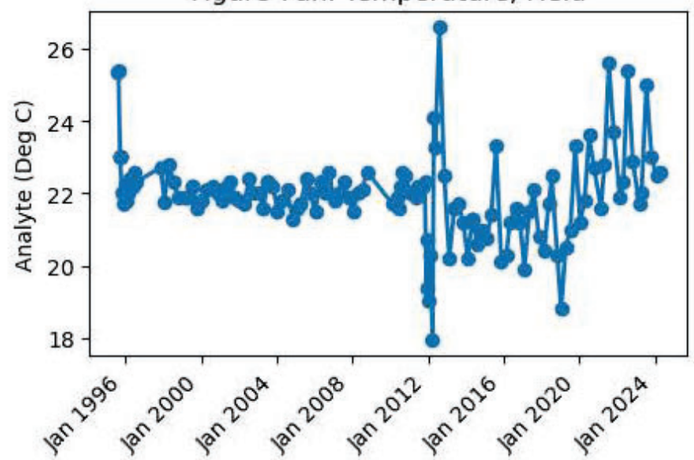


Figure 7ai. Thallium

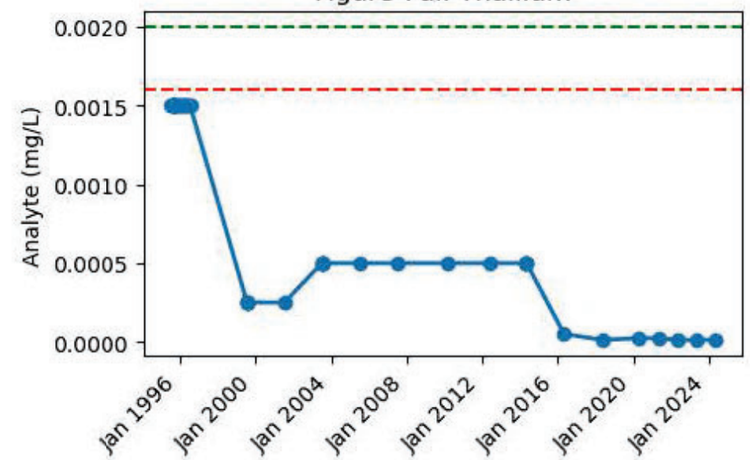


Figure 7aj. Toluene

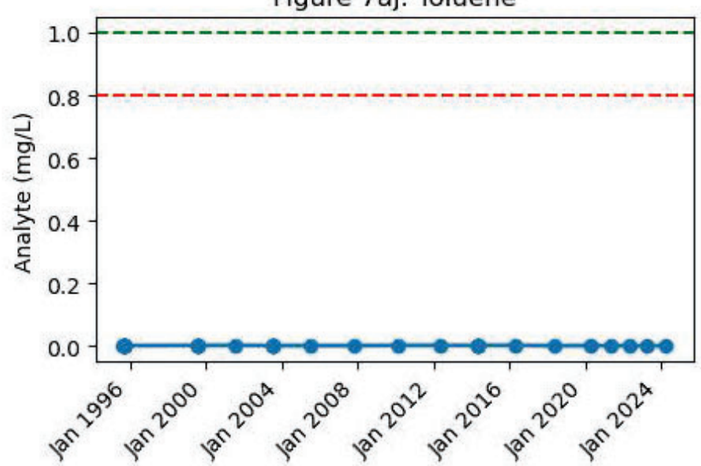


Figure 7ak. Total Dissolved Solids (TDS)

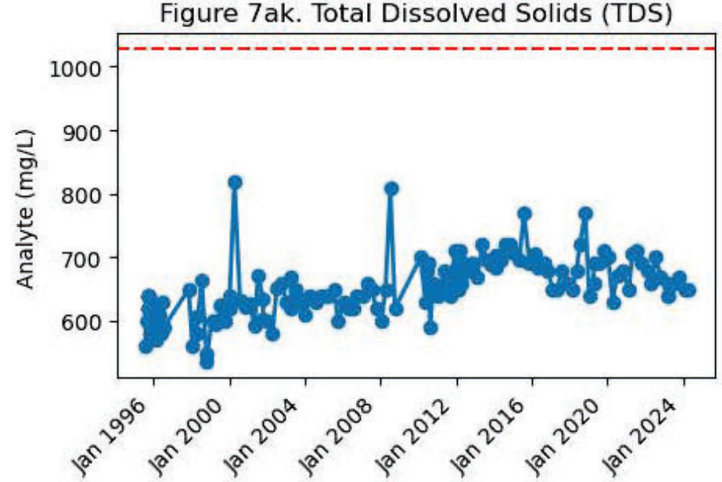


Figure 7al. Total Petroleum Hydrocarbons (C10-C22) Diesel

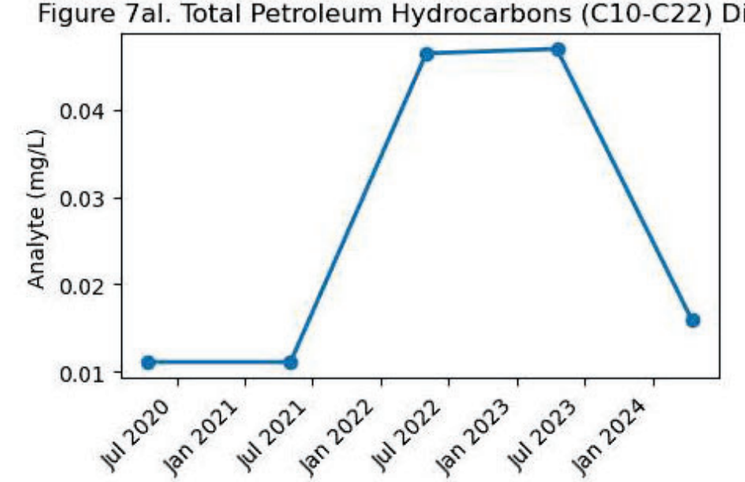


Figure 7am. Turbidity, Field

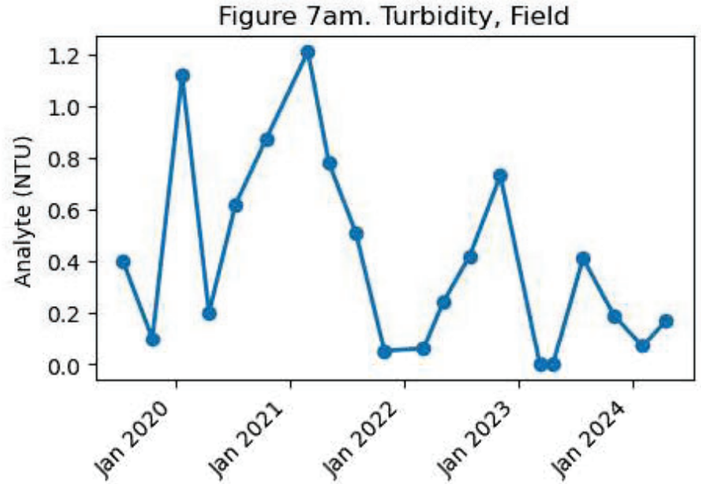
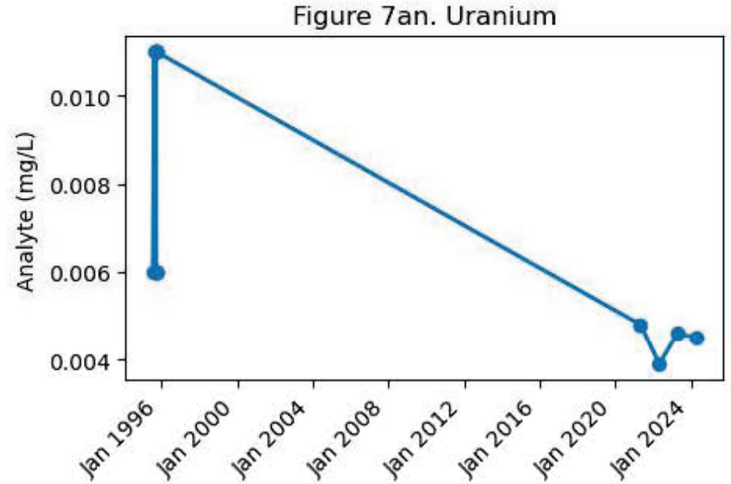


Figure 7an. Uranium



AL (APP & UIC)
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Figure 7ao. Xylene (Total)

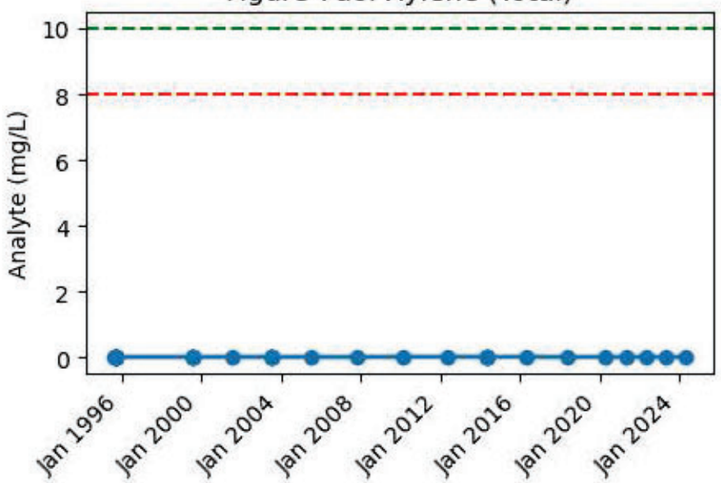


Figure 7ap. Zinc

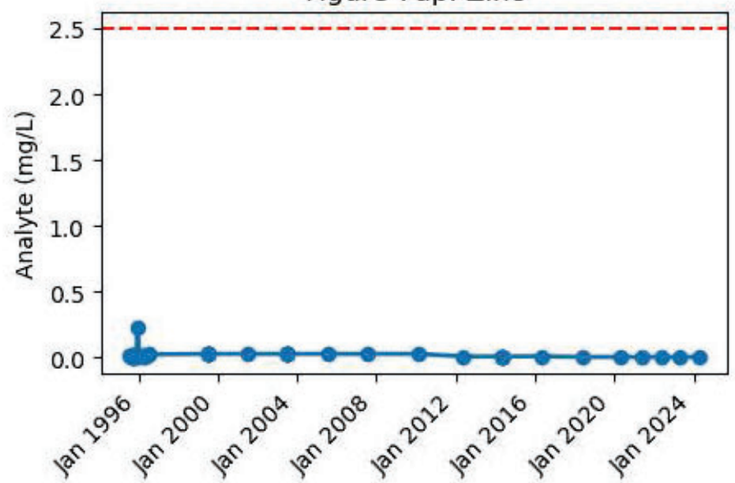


Figure 7aq. Total Uranium Isotopes

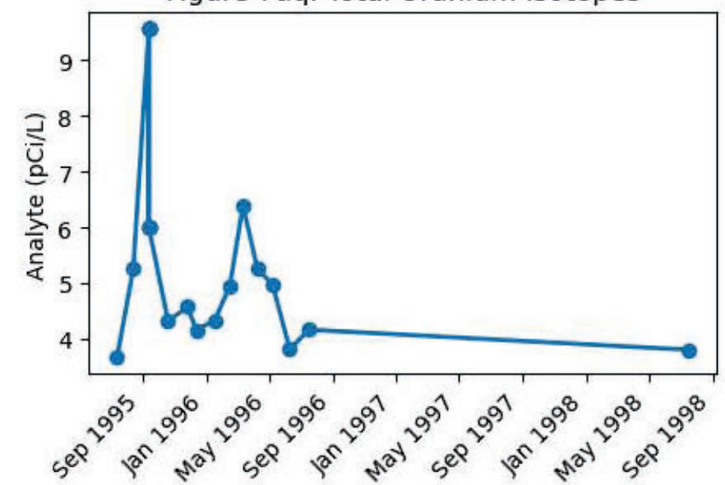
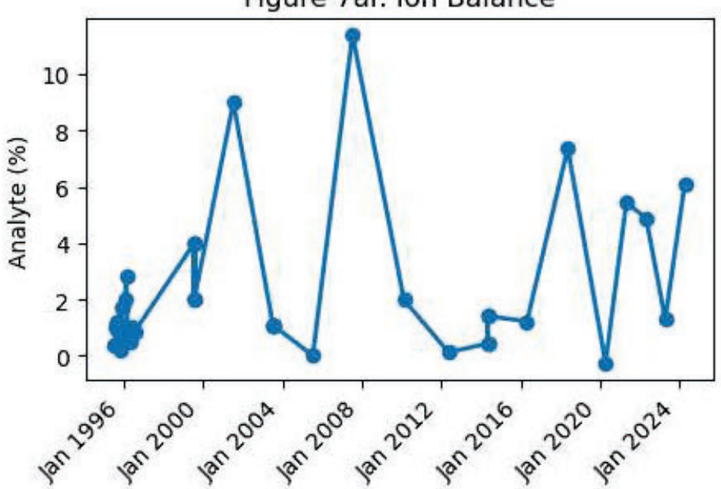


Figure 7ar. Ion Balance



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M20-O(R) Quarterly Analyte Graphs

Figure 8a. Alkalinity, Bicarbonate

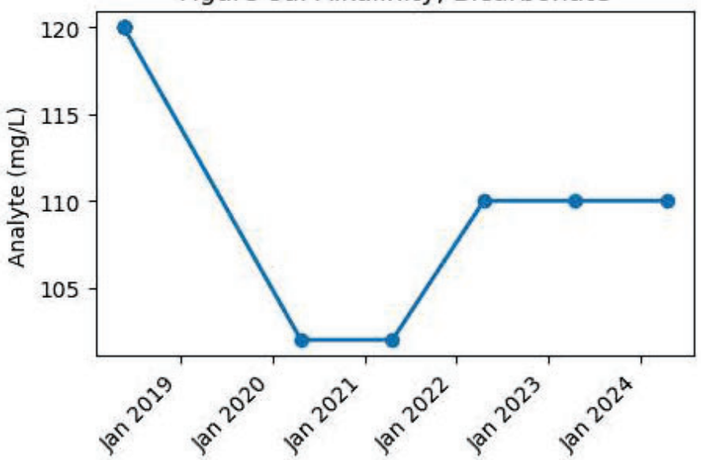


Figure 8b. Alkalinity, Carbonate

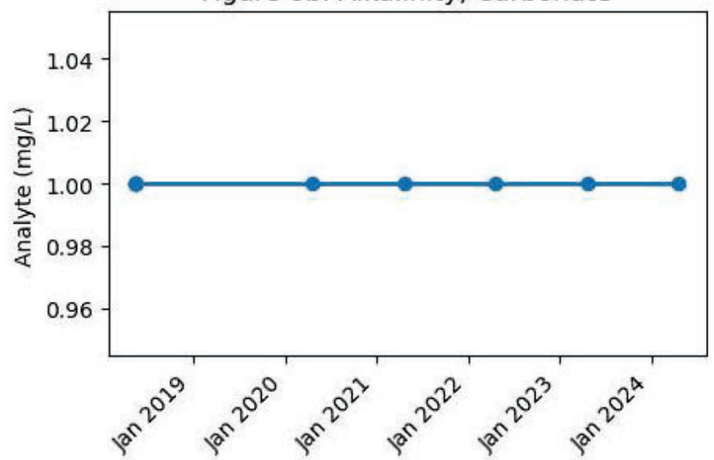


Figure 8c. Alkalinity, Hydroxide

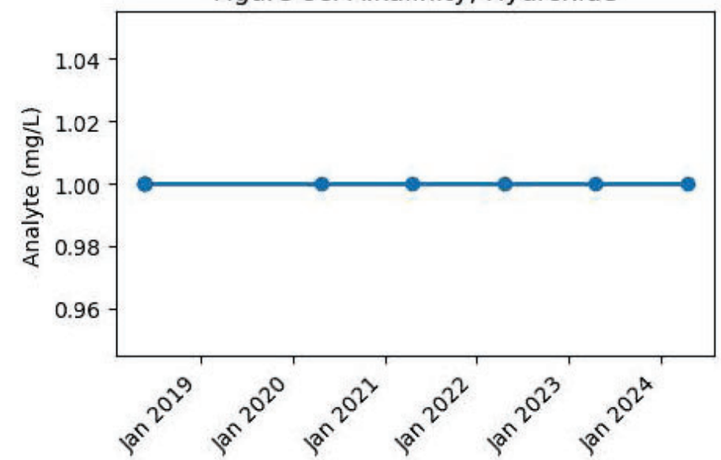


Figure 8d. Alkalinity, Total (as CaCO3)

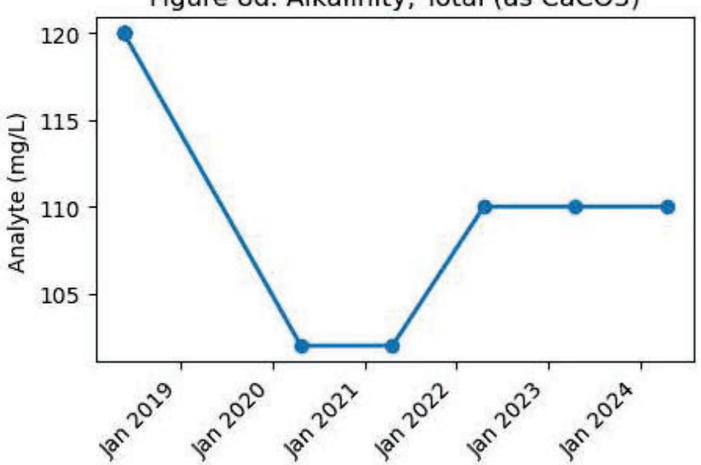


Figure 8e. Aluminum

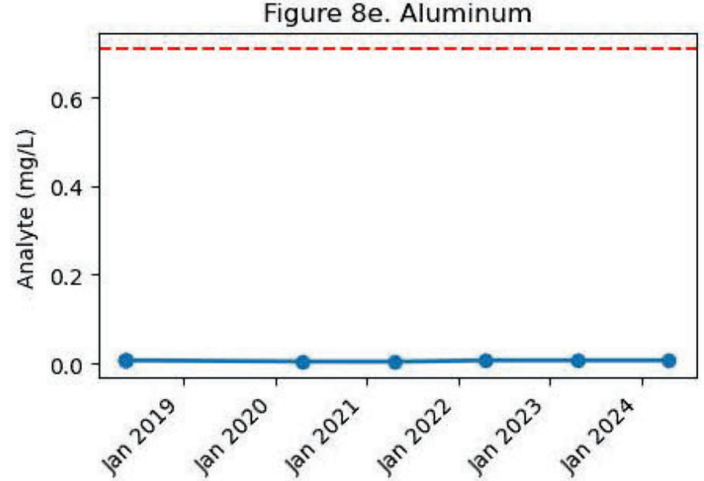


Figure 8f. Antimony

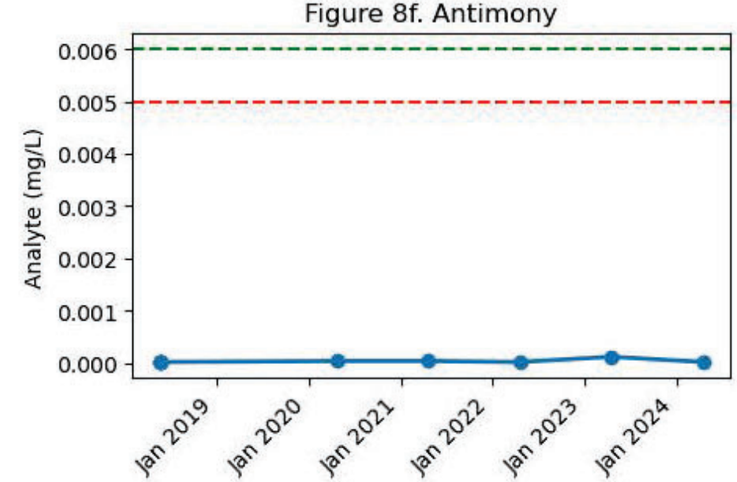


Figure 8g. Arsenic

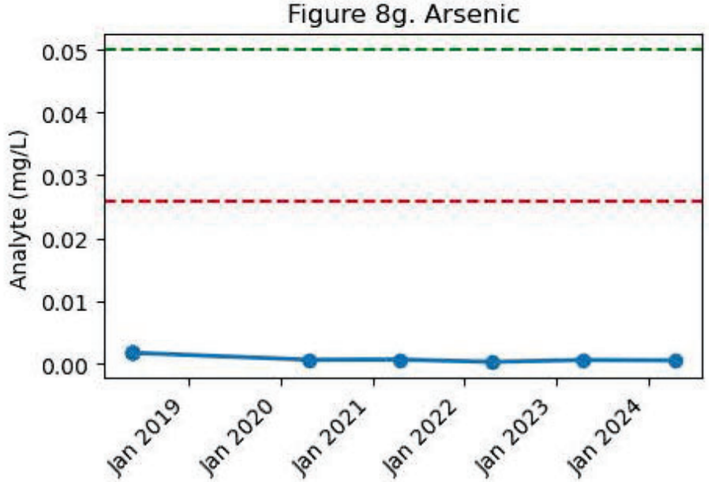
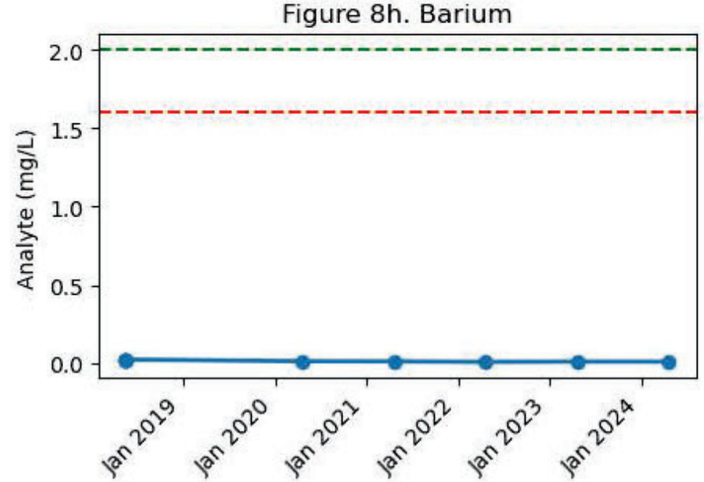


Figure 8h. Barium



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M20-O(R) Quarterly Analyte Graphs

Figure 8i. Benzene

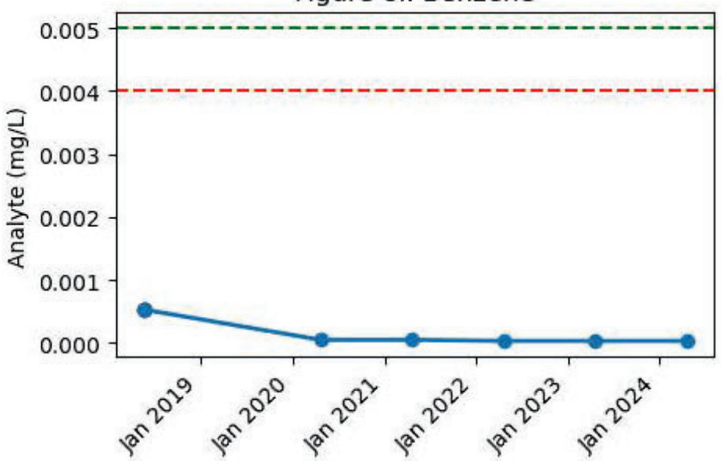


Figure 8j. Beryllium

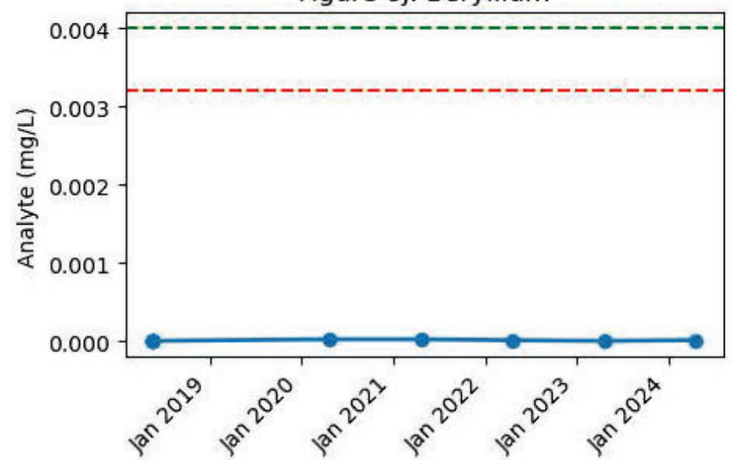


Figure 8k. Cadmium

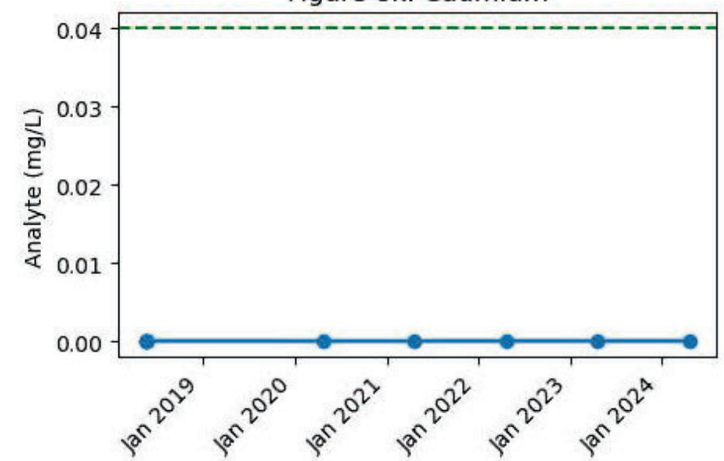


Figure 8l. Calcium

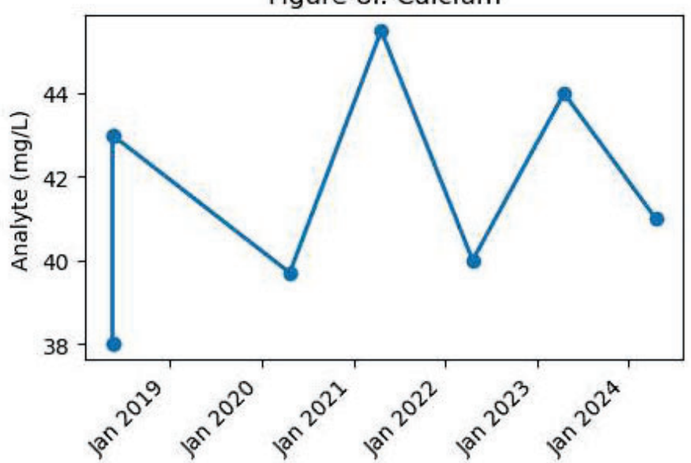


Figure 8m. Chloride

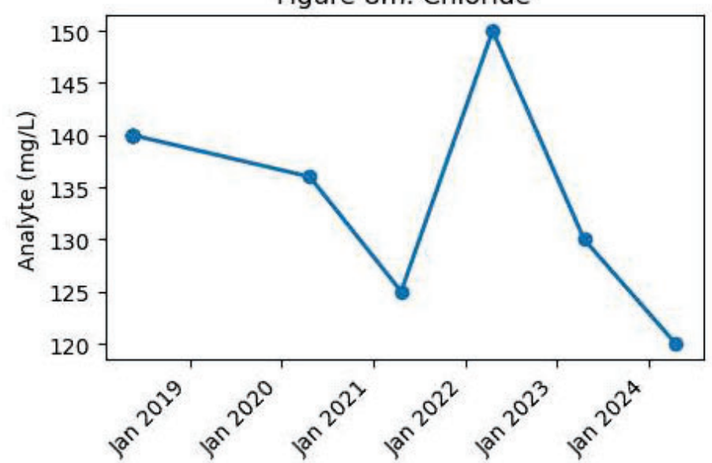


Figure 8n. Chromium

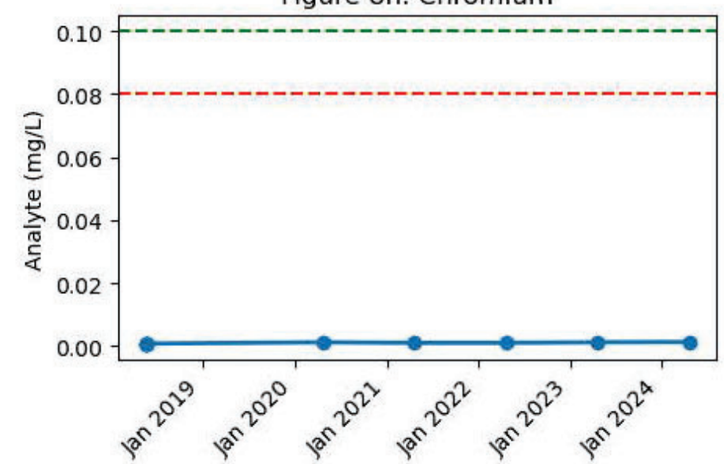


Figure 8o. Cobalt

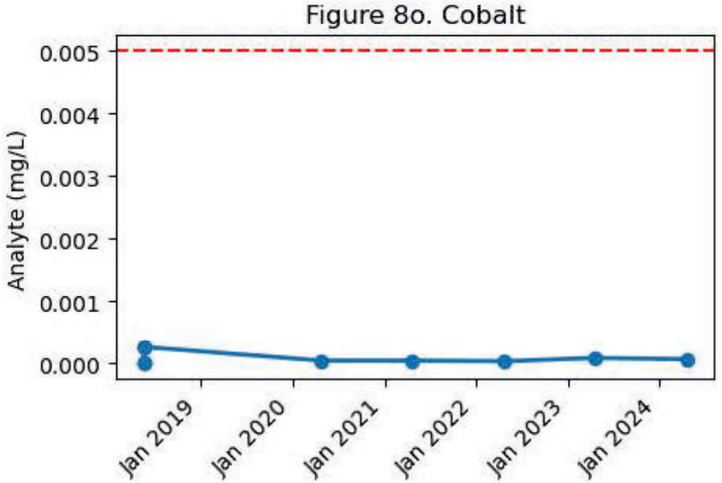
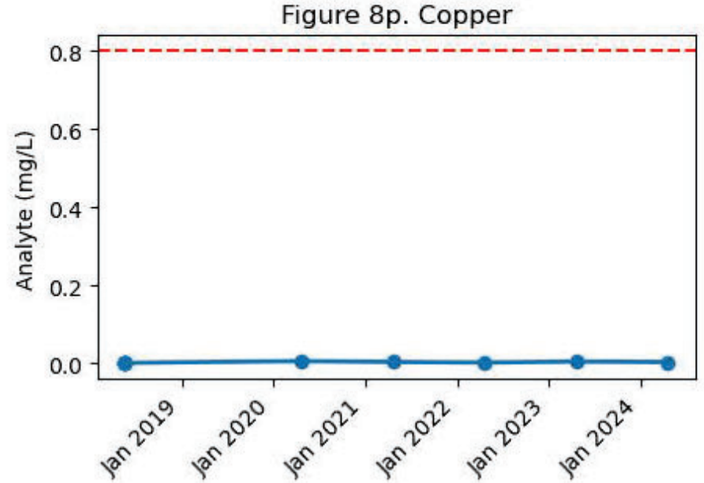


Figure 8p. Copper



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M20-O(R) Quarterly Analyte Graphs

Figure 8q. Ethylbenzene

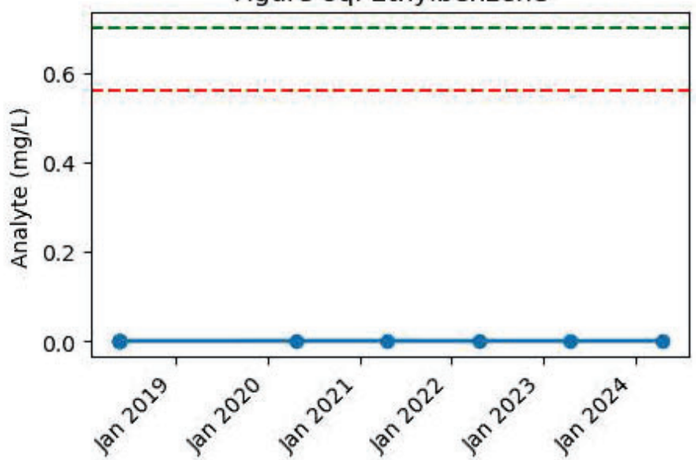


Figure 8r. Fluoride

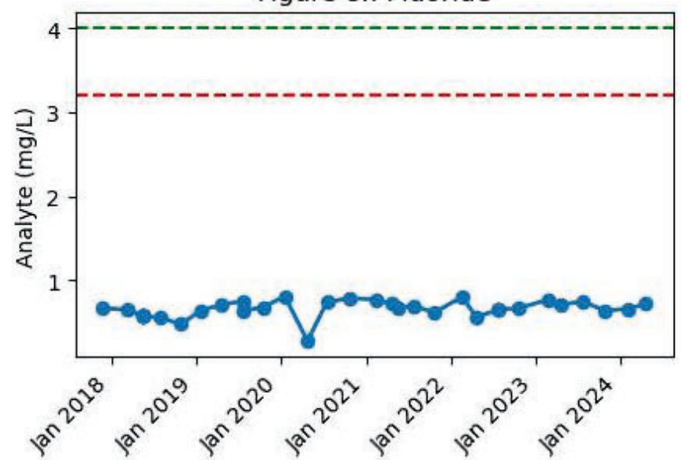


Figure 8s. Gross Alpha Analytes

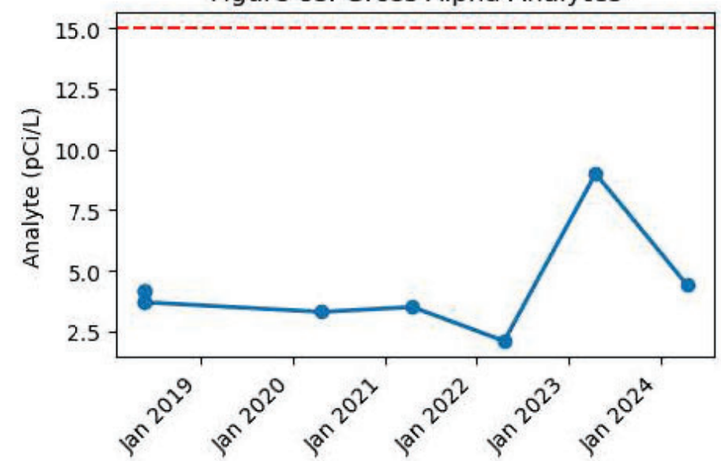


Figure 8t. Iron

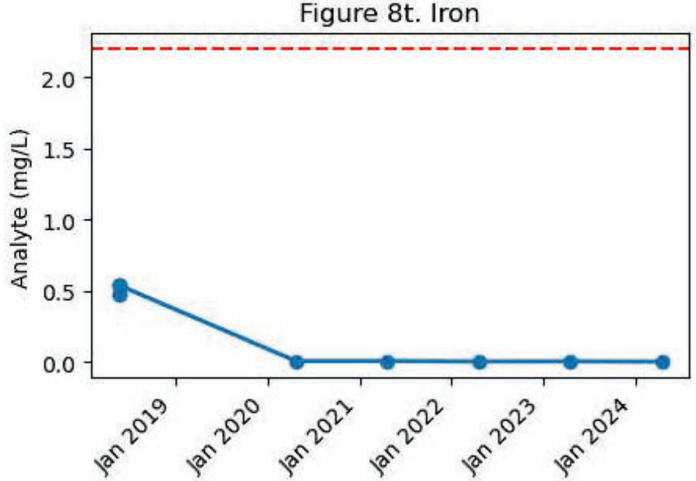


Figure 8u. Lead

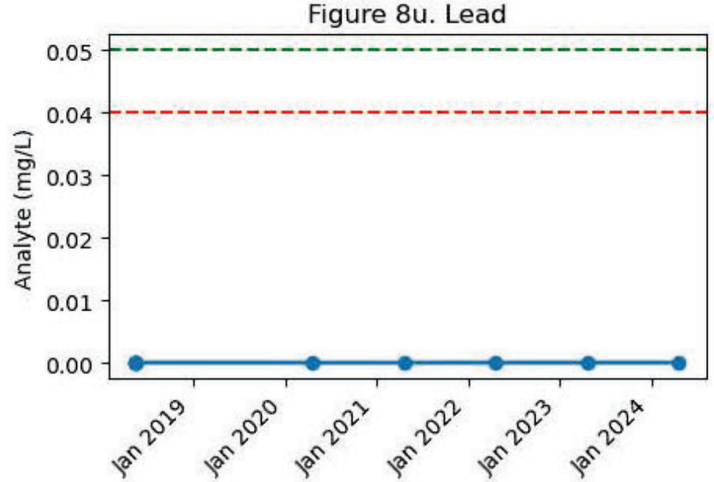


Figure 8v. Magnesium

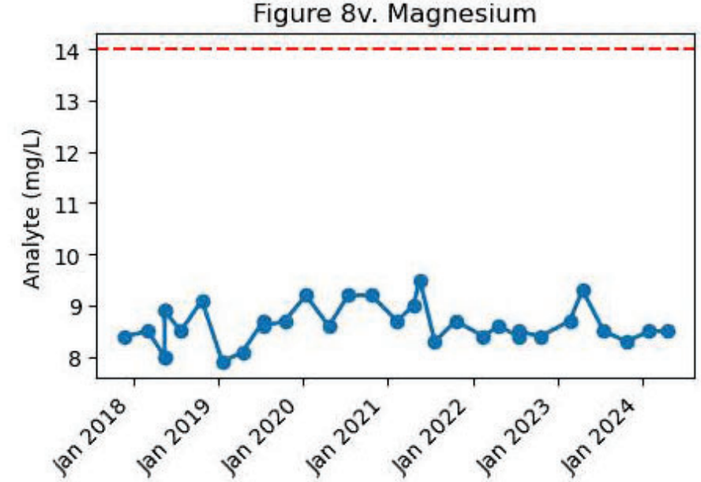


Figure 8w. Manganese

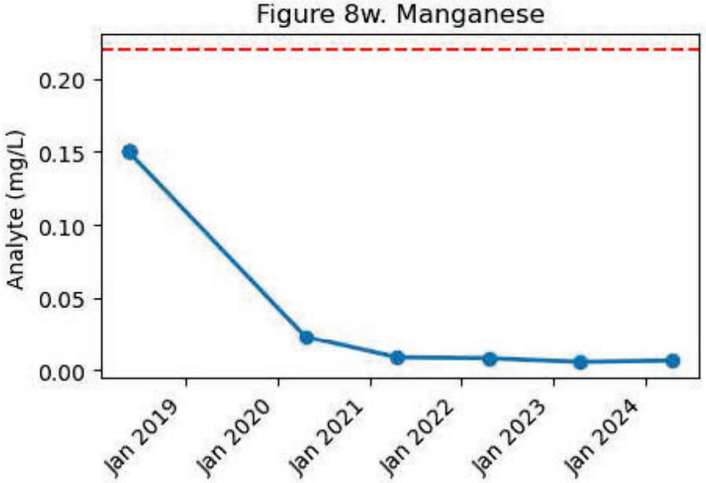
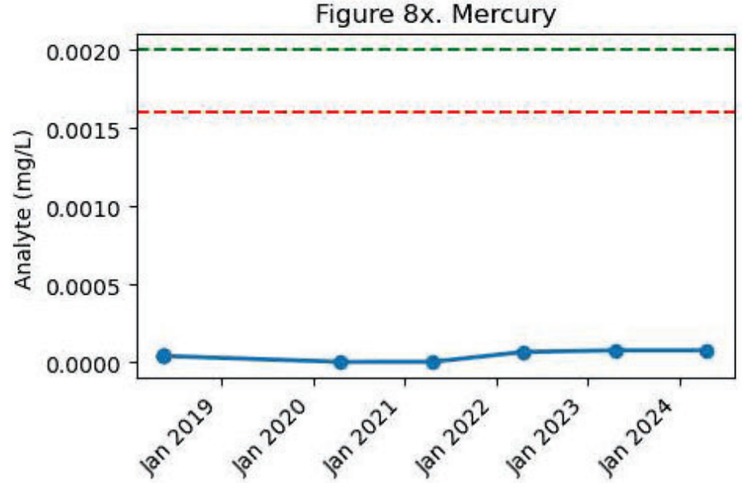


Figure 8x. Mercury



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M20-O(R) Quarterly Analyte Graphs

Figure 8y. Nickel

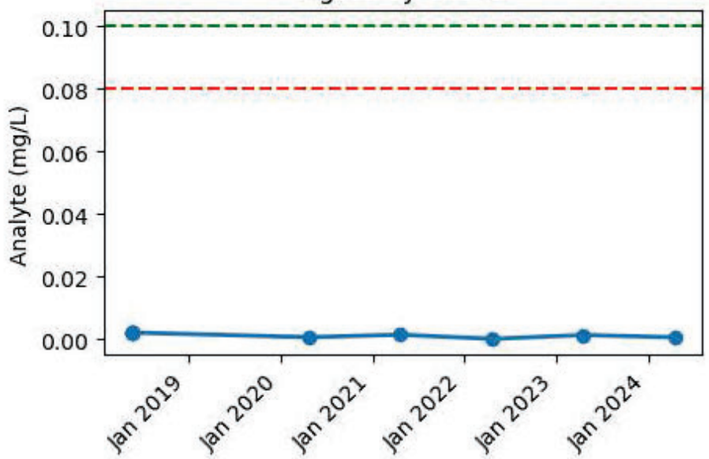


Figure 8z. Nitrate (as N)

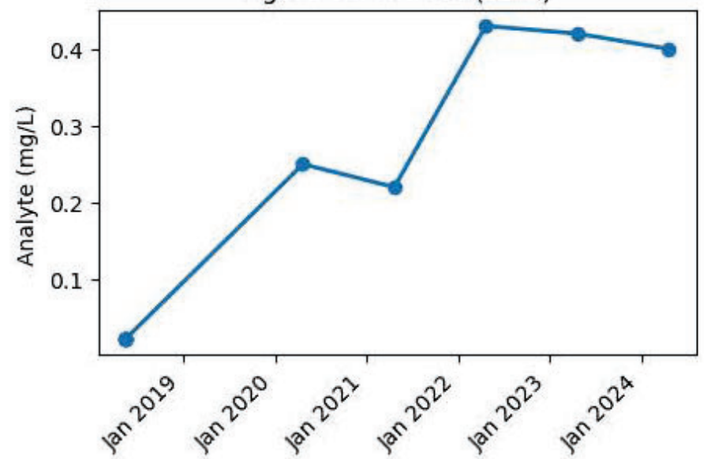


Figure 8aa. pH, Field

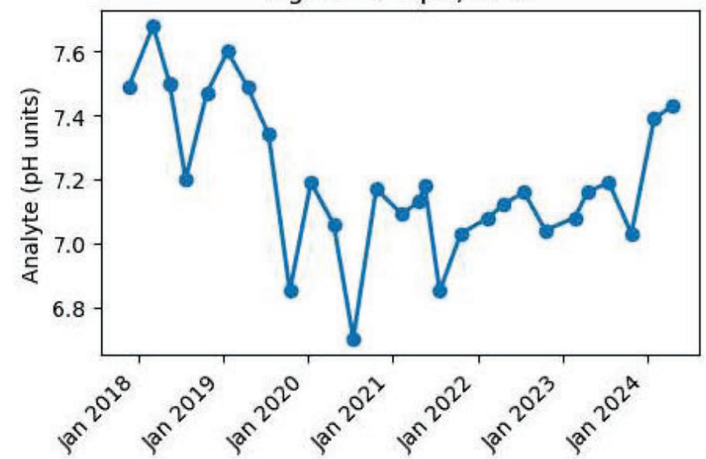


Figure 8ab. Potassium

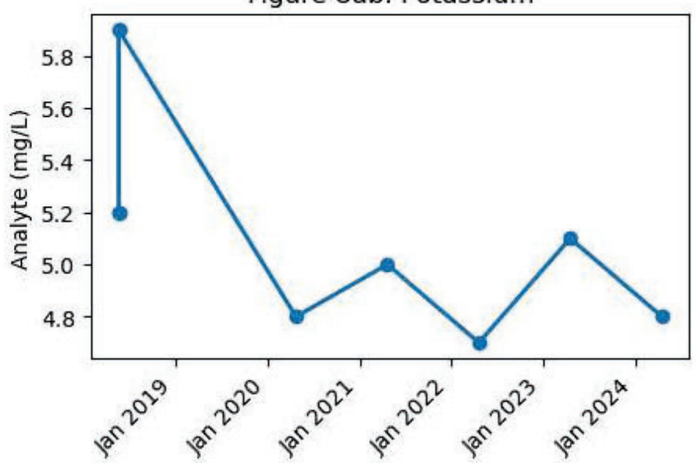


Figure 8ac. Radium-226 & 228

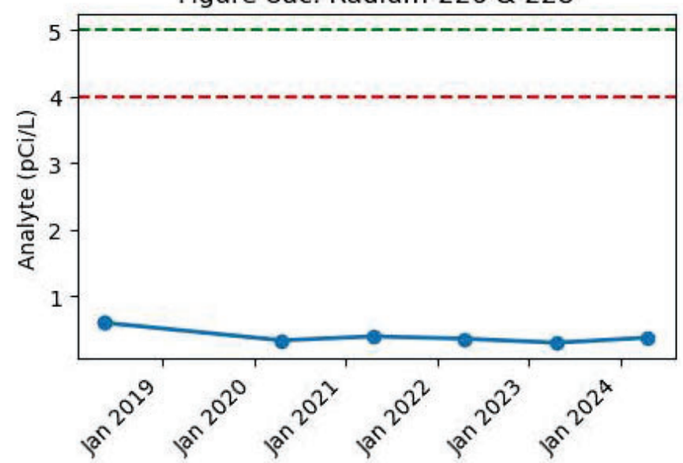


Figure 8ad. Selenium

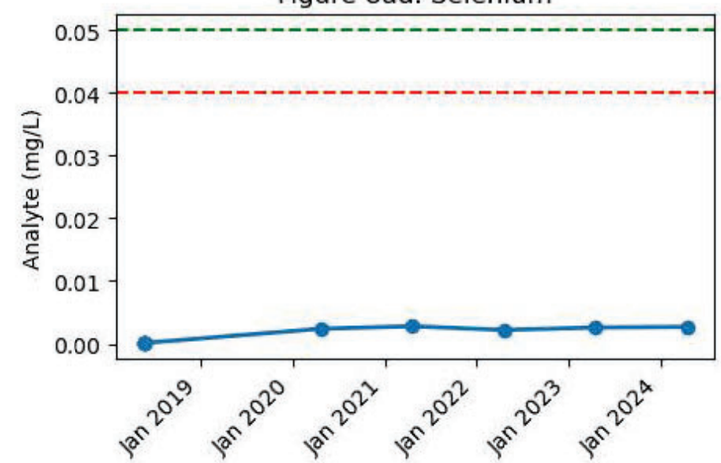


Figure 8ae. Sodium

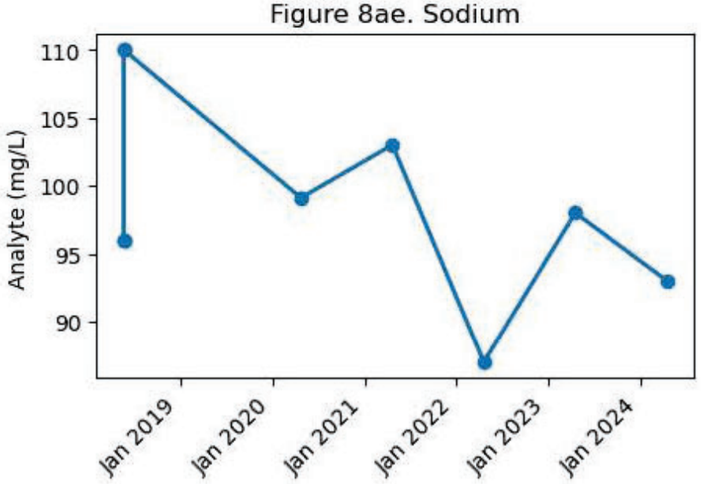
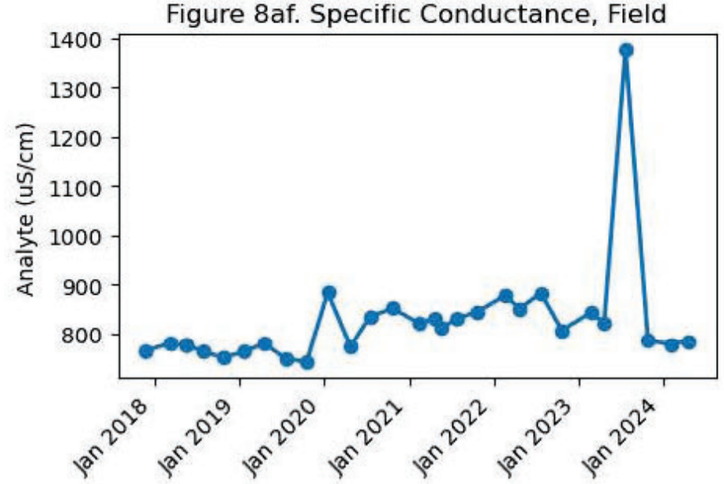


Figure 8af. Specific Conductance, Field



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M20-O(R) Quarterly Analyte Graphs

Figure 8ag. Sulfate

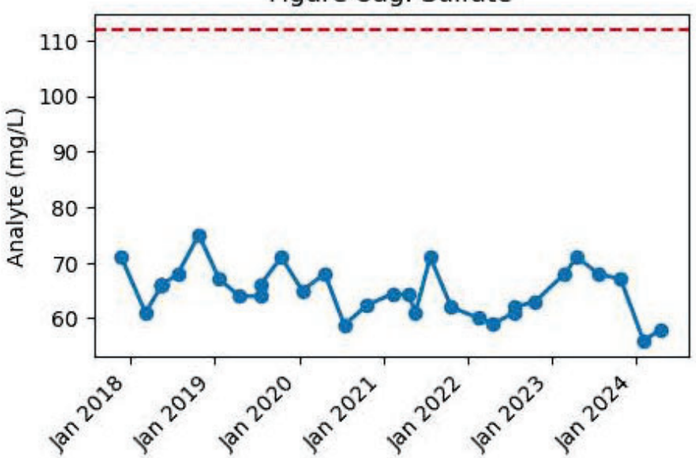


Figure 8ah. Temperature, Field

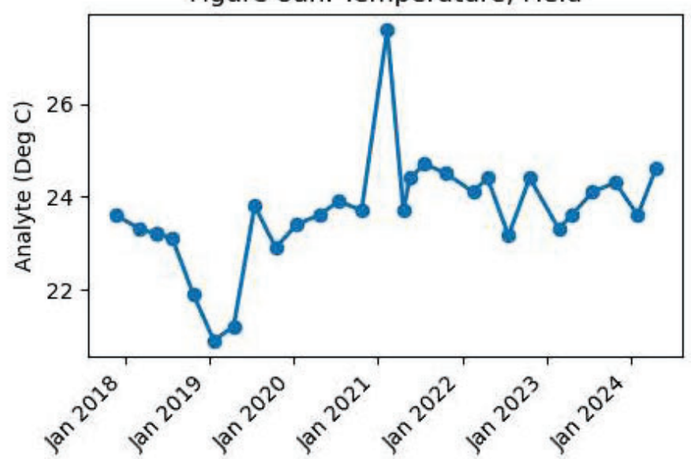


Figure 8ai. Thallium

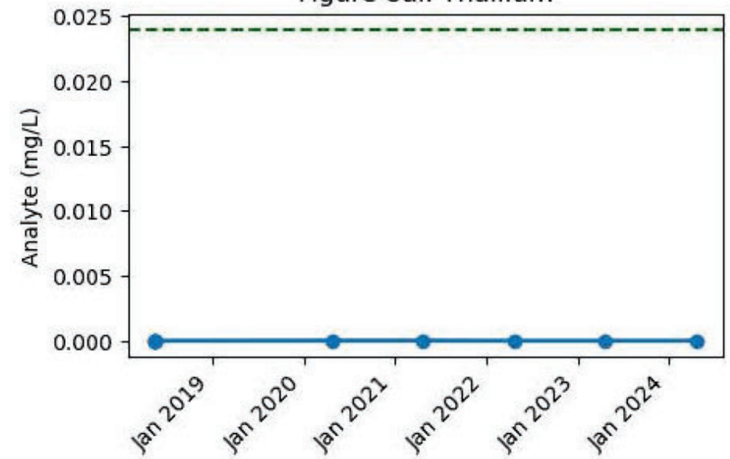


Figure 8aj. Toluene

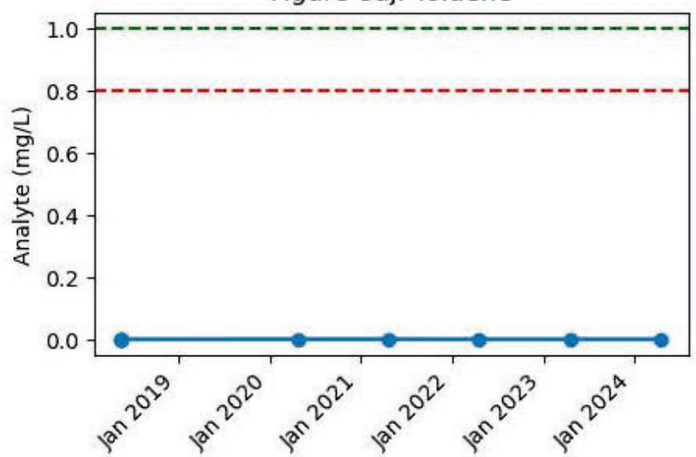


Figure 8ak. Total Dissolved Solids (TDS)

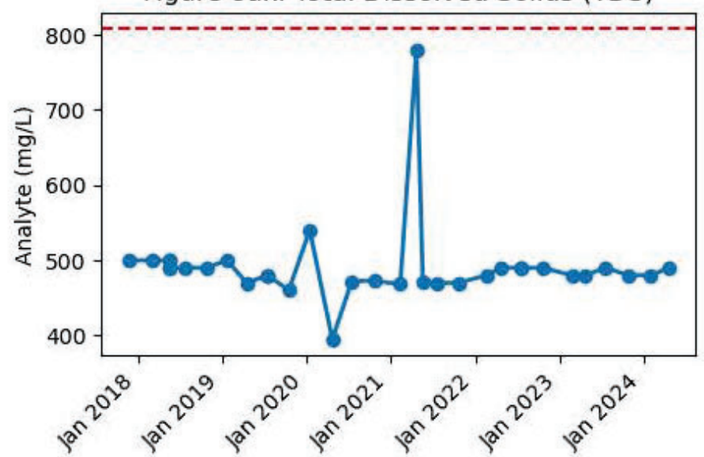


Figure 8al. Total Petroleum Hydrocarbons (C10-C22) Diesel

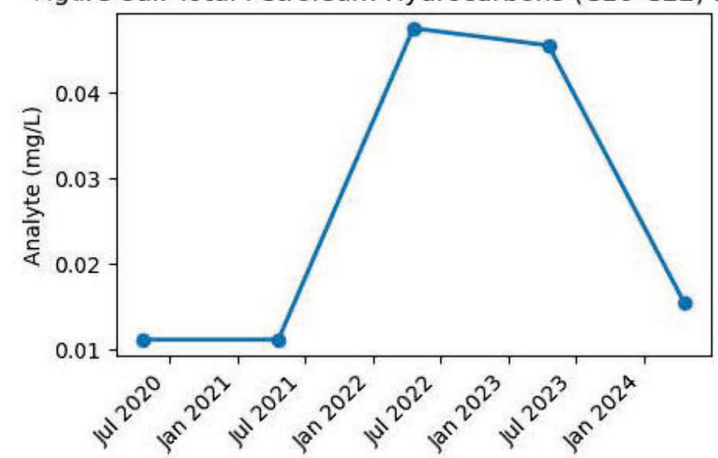


Figure 8am. Turbidity, Field

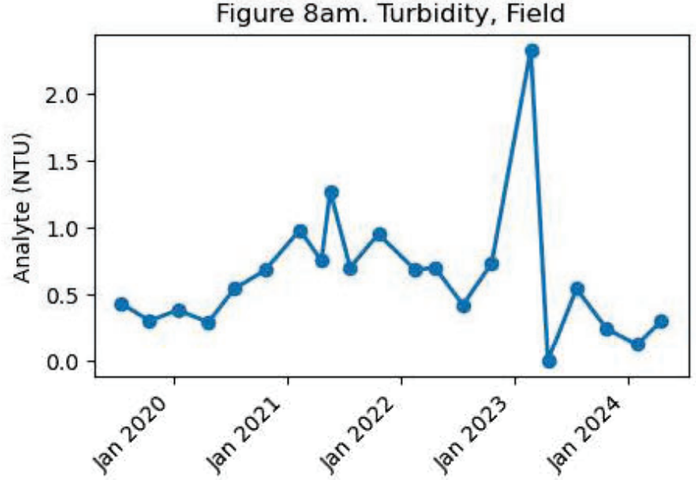
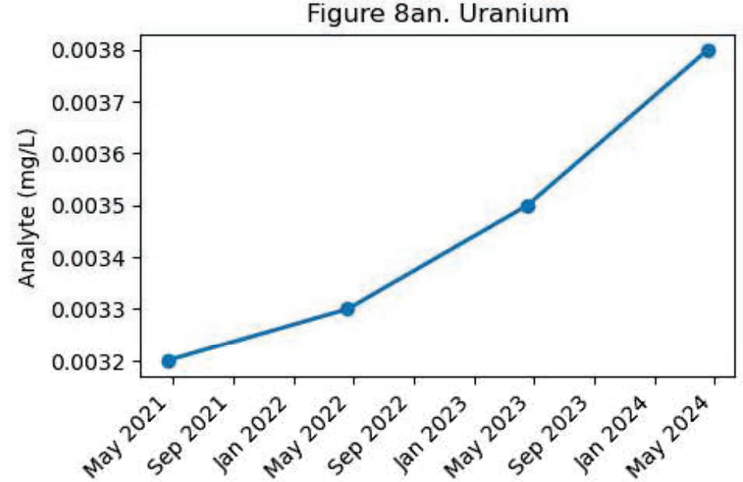


Figure 8an. Uranium



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M20-O(R) Quarterly Analyte Graphs

Figure 8ao. Xylene (Total)

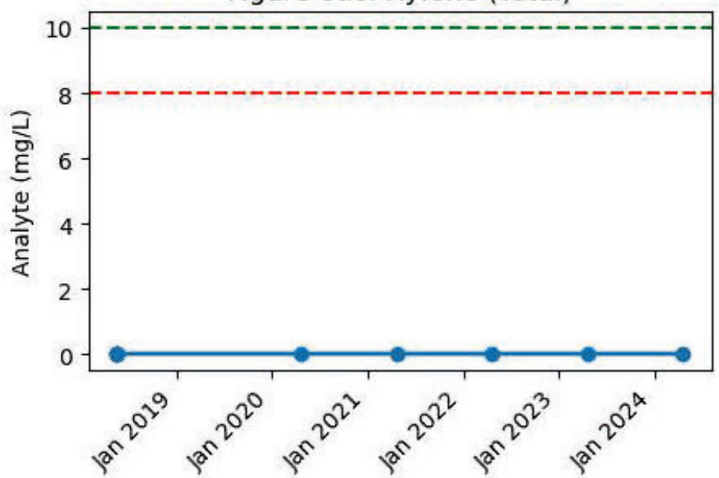


Figure 8ap. Zinc

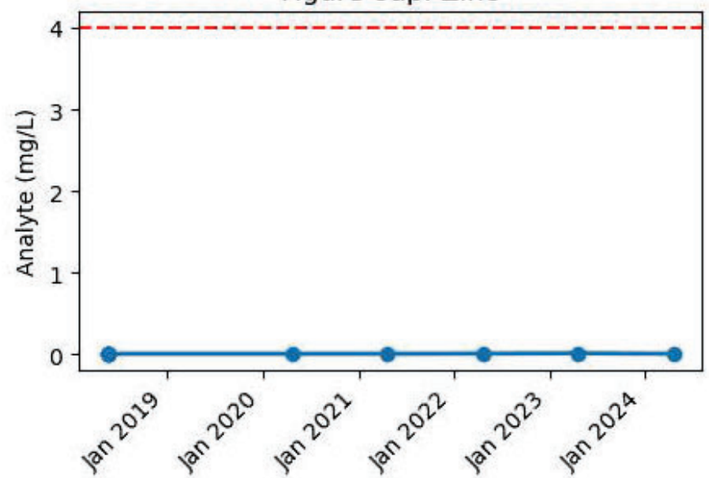


Figure 8aq. Total Uranium Isotopes

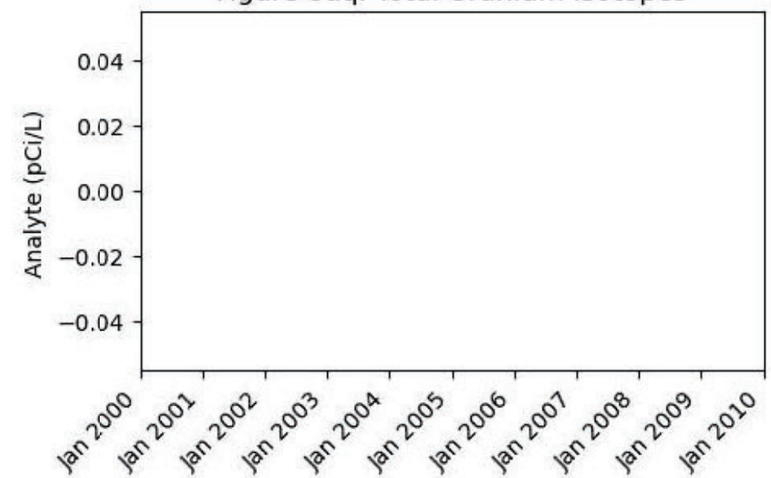
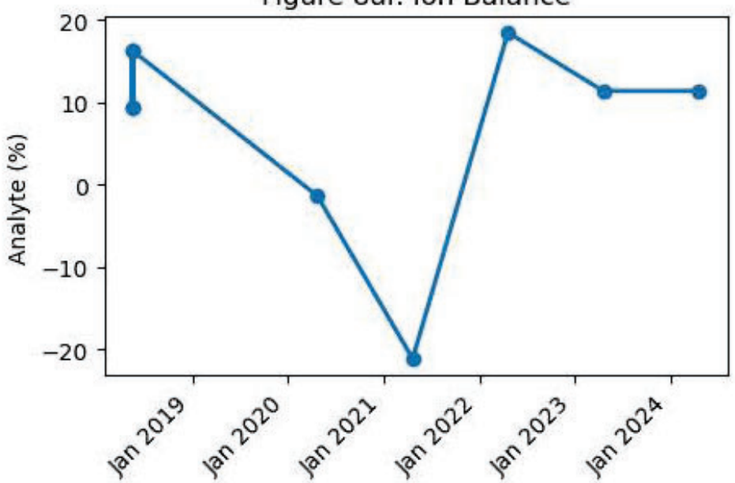


Figure 8ar. Ion Balance



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M21-UBF Quarterly Analyte Graphs

Figure 9a. Alkalinity, Bicarbonate

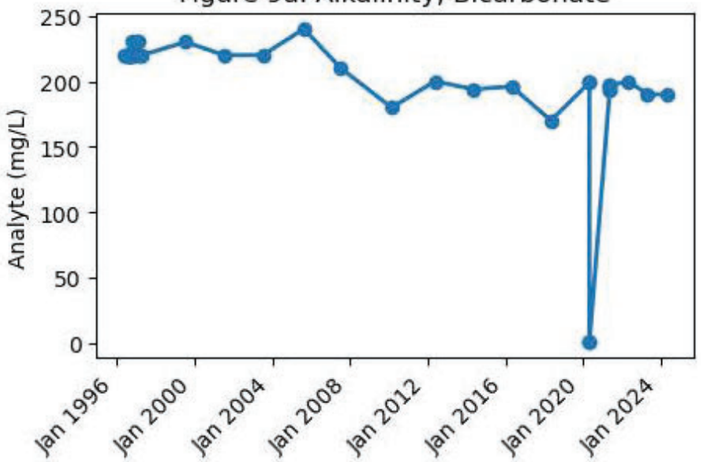


Figure 9b. Alkalinity, Carbonate

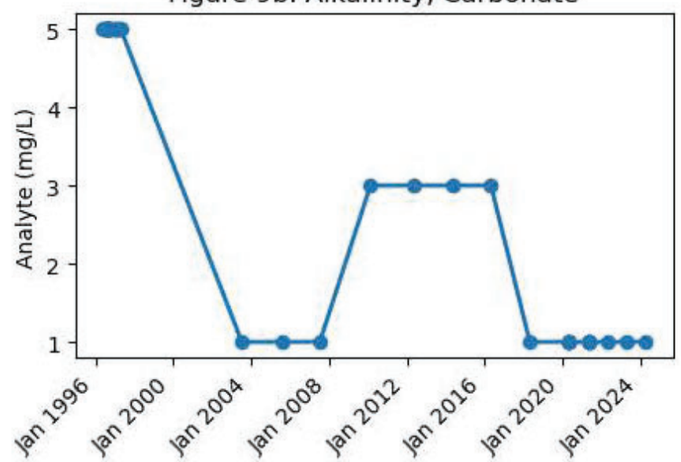


Figure 9c. Alkalinity, Hydroxide

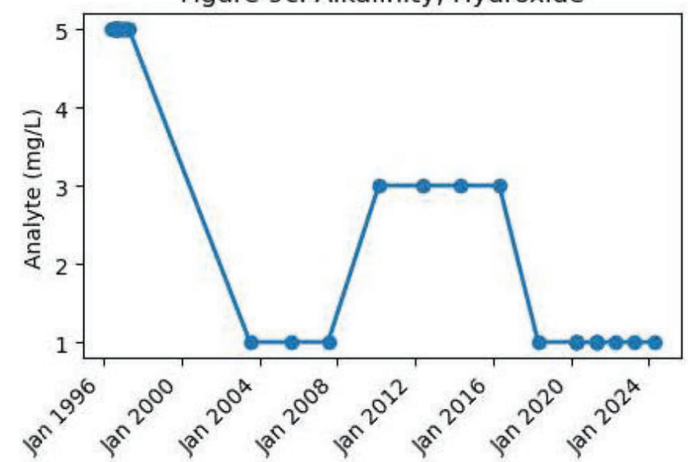


Figure 9d. Alkalinity, Total (as CaCO3)

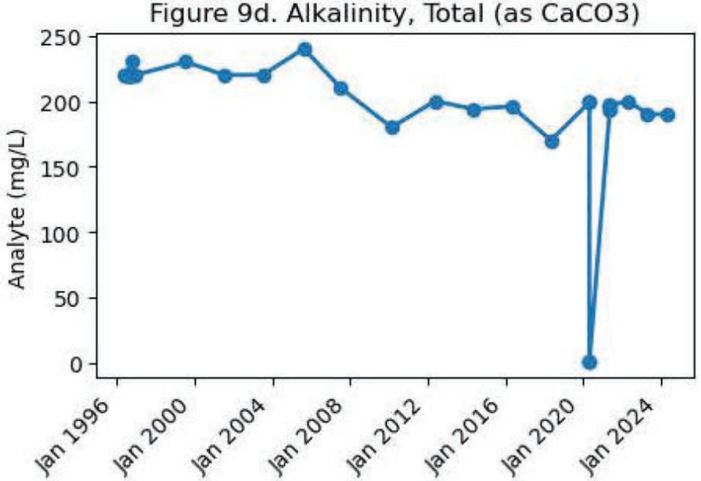


Figure 9e. Aluminum

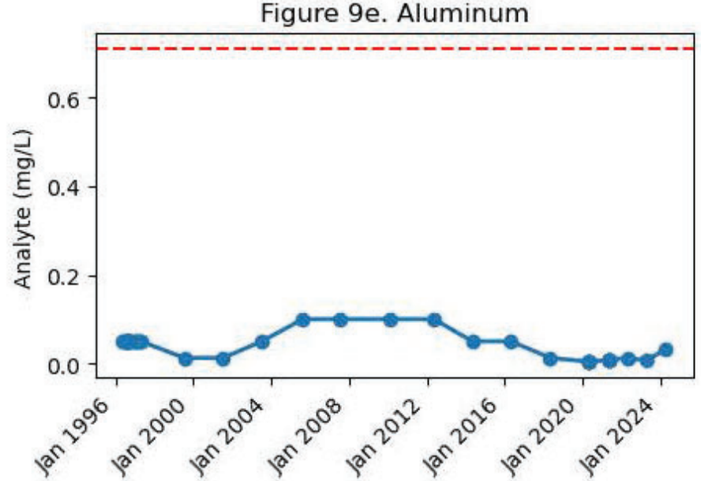


Figure 9f. Antimony

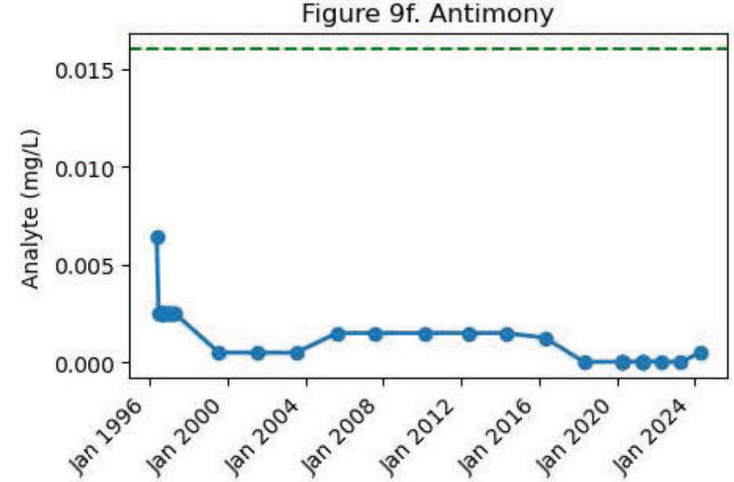


Figure 9g. Arsenic

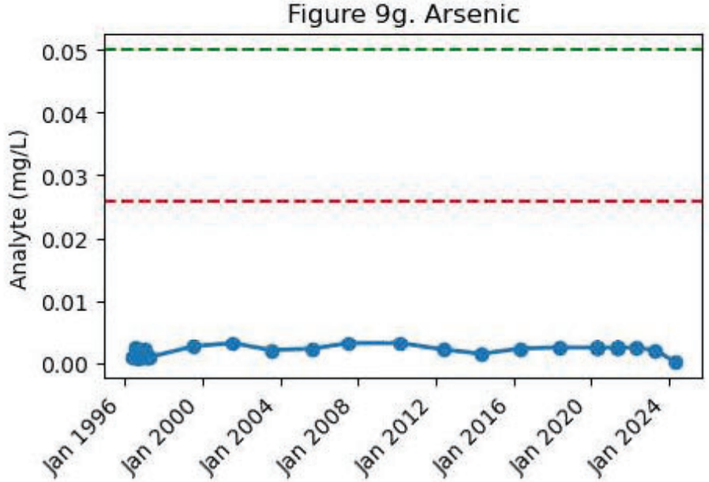
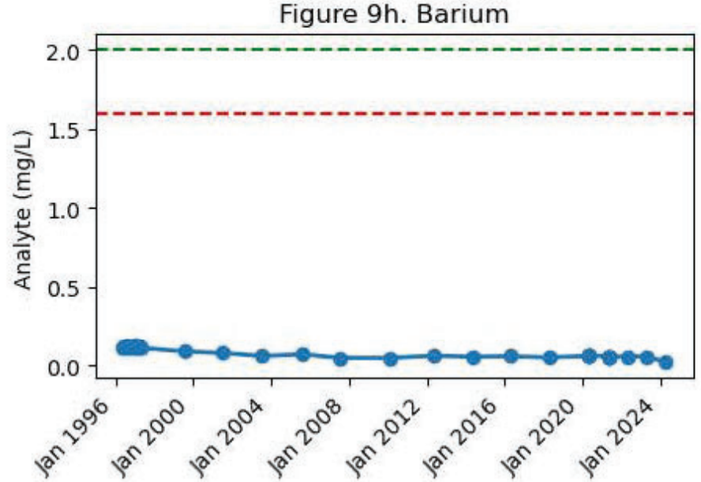


Figure 9h. Barium



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M21-UBF Quarterly Analyte Graphs

Figure 9i. Benzene

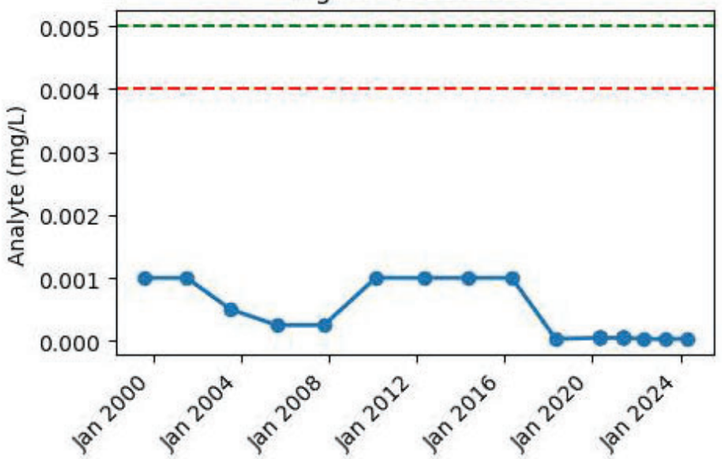

Figure 9j. Beryllium

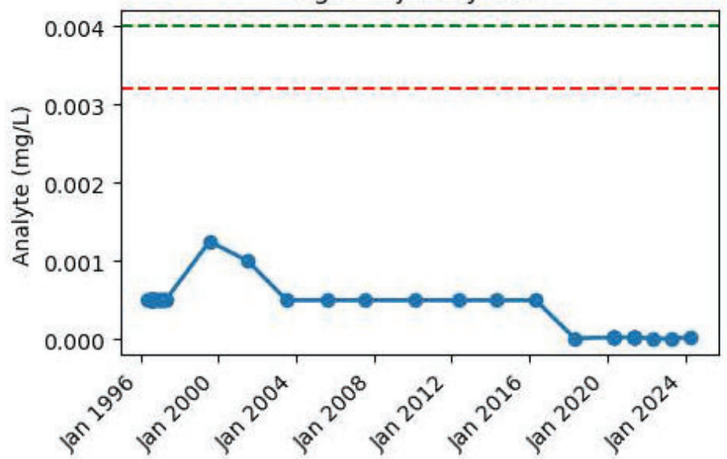

Figure 9k. Cadmium

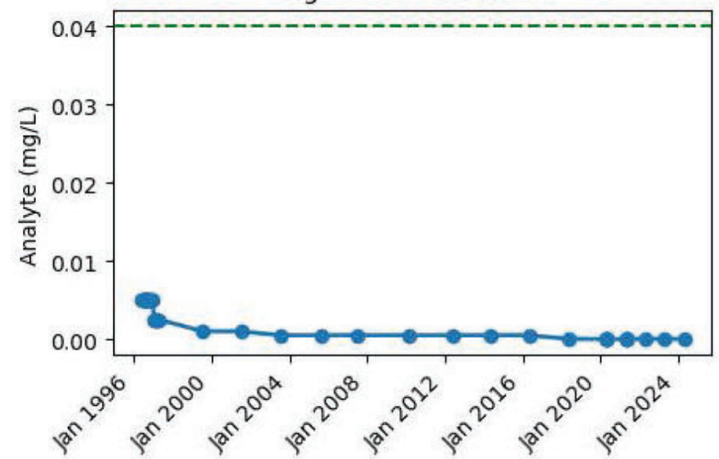

Figure 9l. Calcium

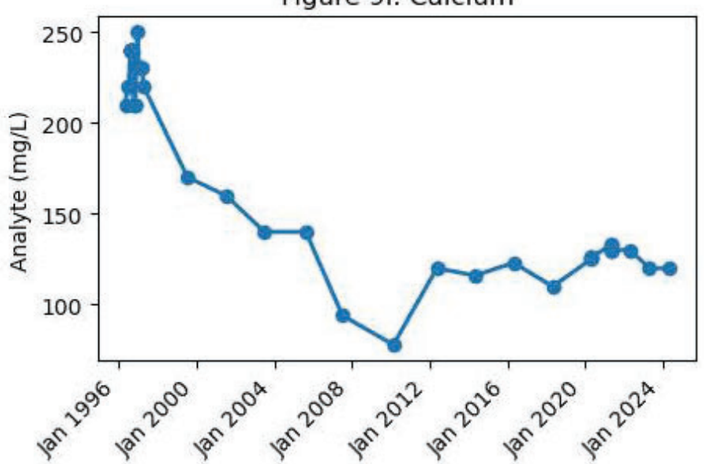

Figure 9m. Chloride

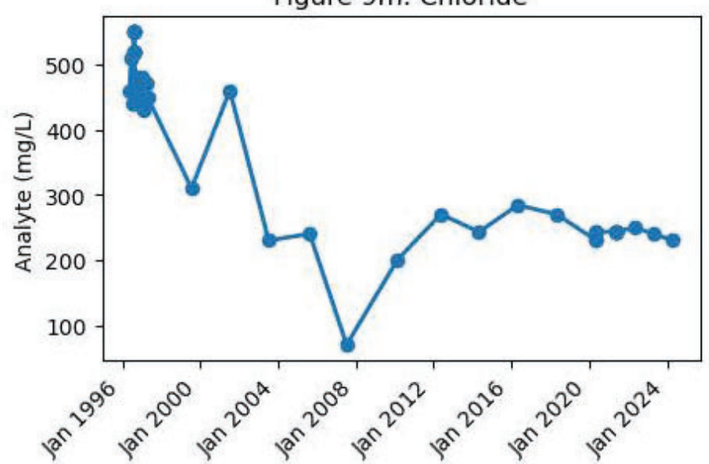

Figure 9n. Chromium

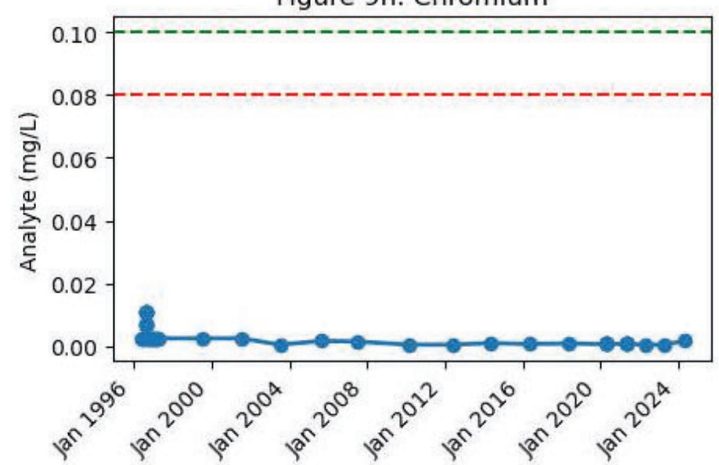

Figure 9o. Cobalt

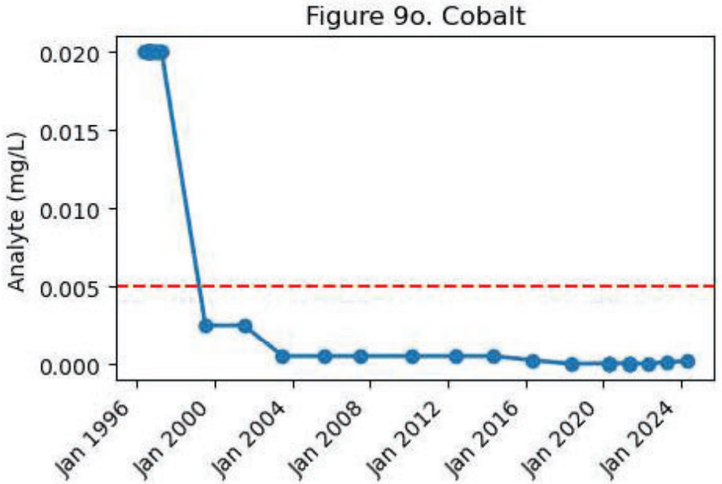

Figure 9p. Copper

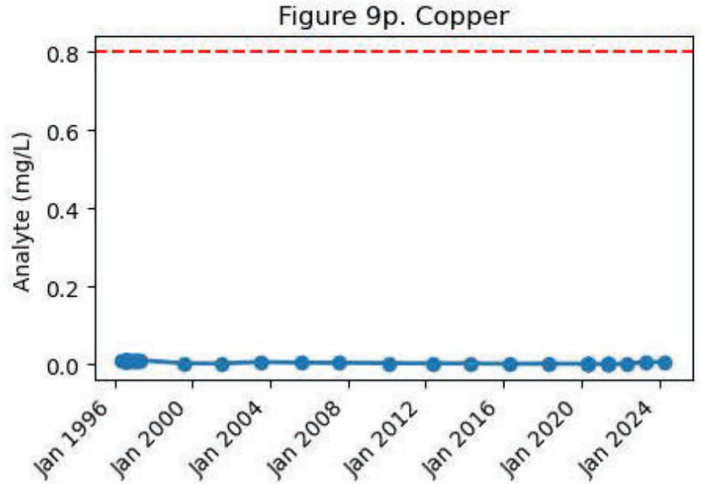

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Figure 9q. Ethylbenzene

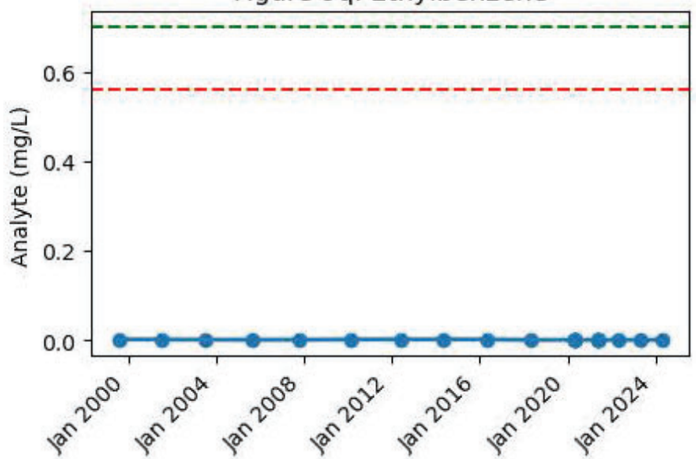


Figure 9r. Fluoride

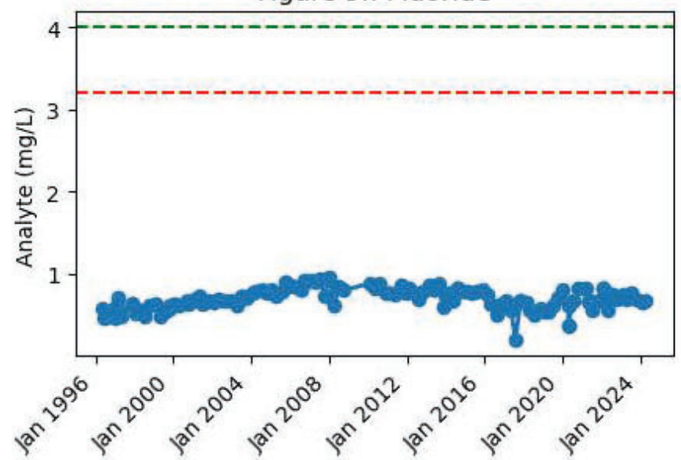


Figure 9s. Gross Alpha Analytes

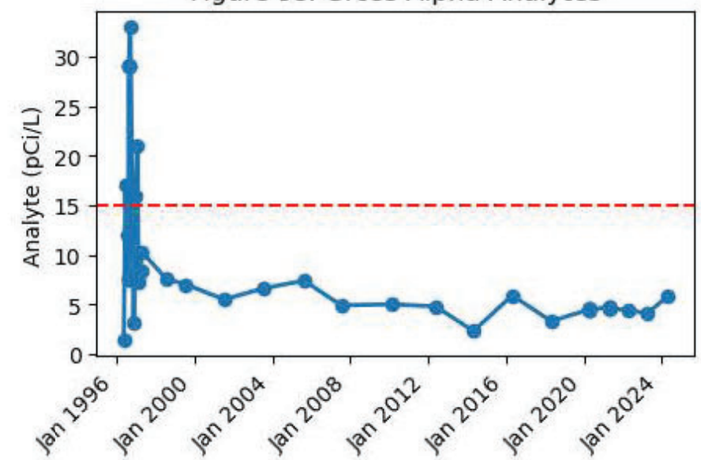


Figure 9t. Iron

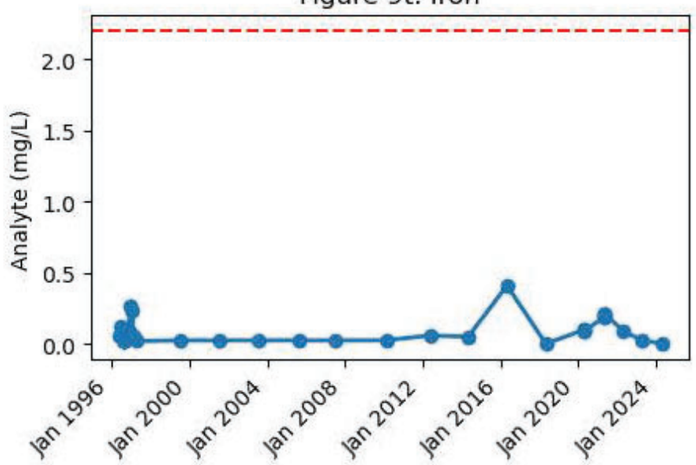


Figure 9u. Lead

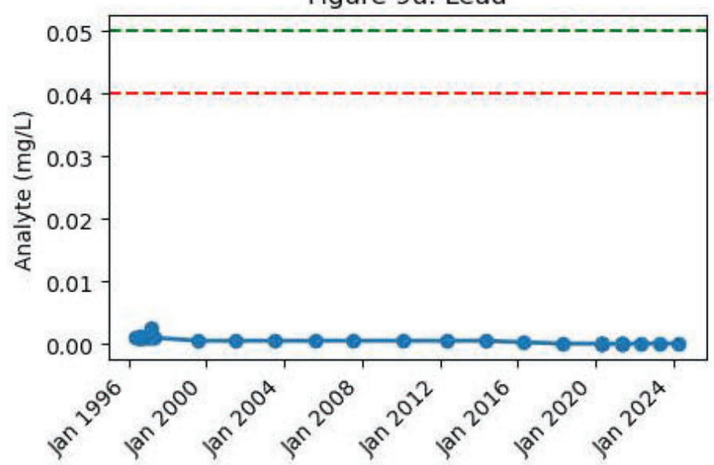


Figure 9v. Magnesium

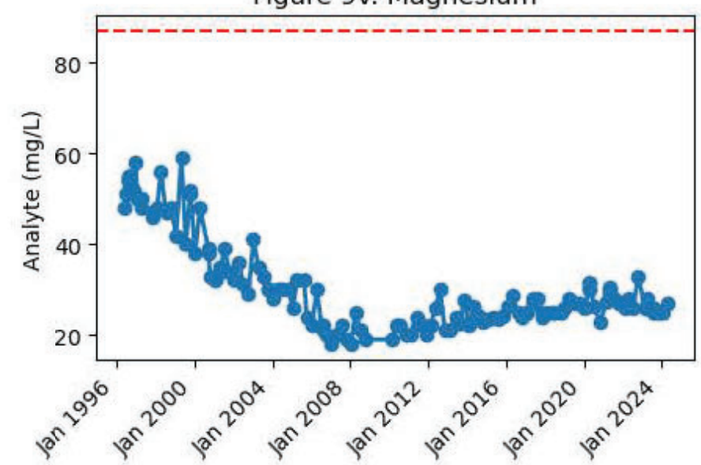


Figure 9w. Manganese

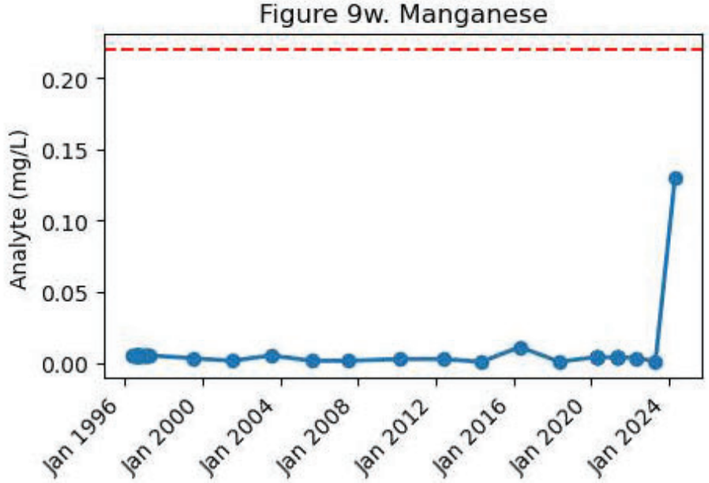
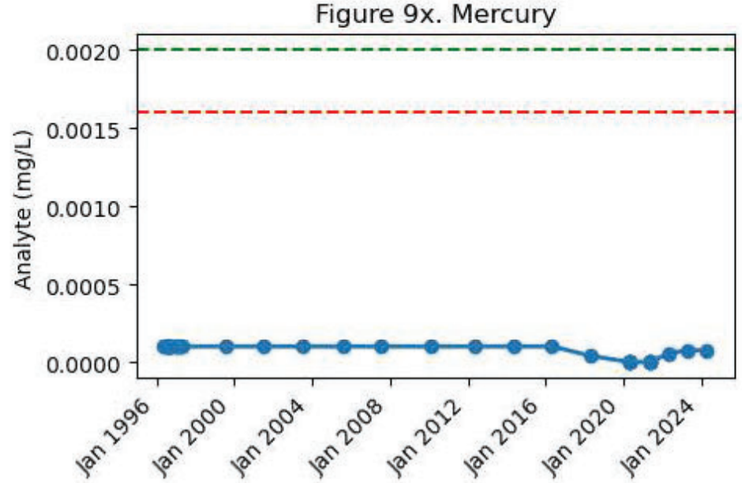


Figure 9x. Mercury



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M21-UBF Quarterly Analyte Graphs

Figure 9y. Nickel

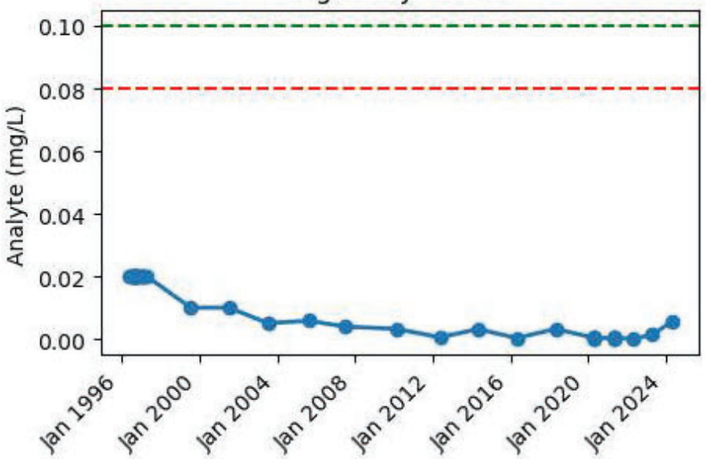

Figure 9z. Nitrate (as N)

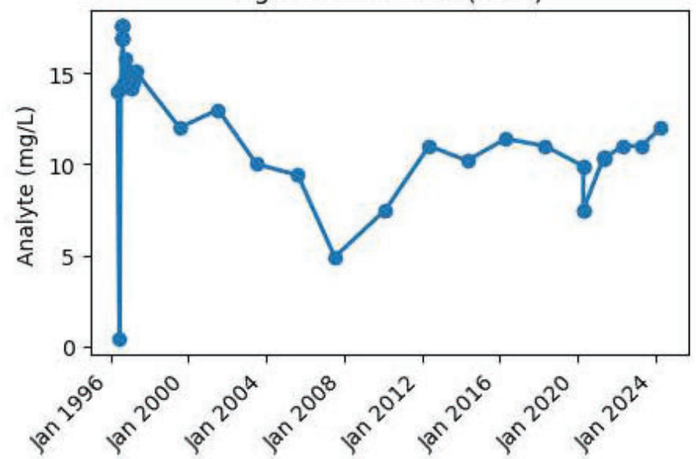

Figure 9aa. pH, Field

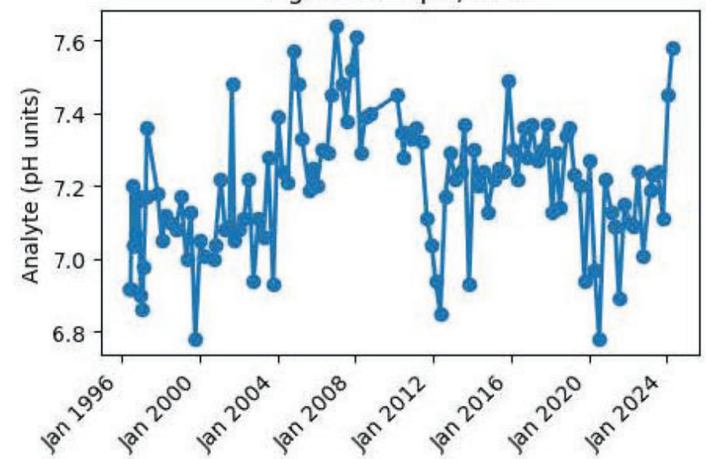

Figure 9ab. Potassium

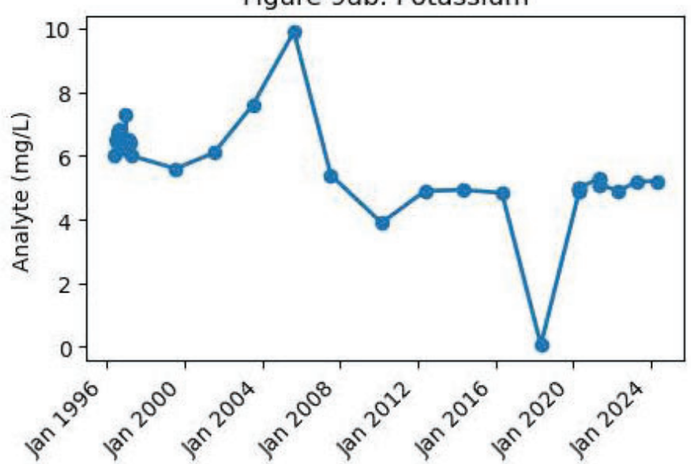

Figure 9ac. Radium-226 & 228

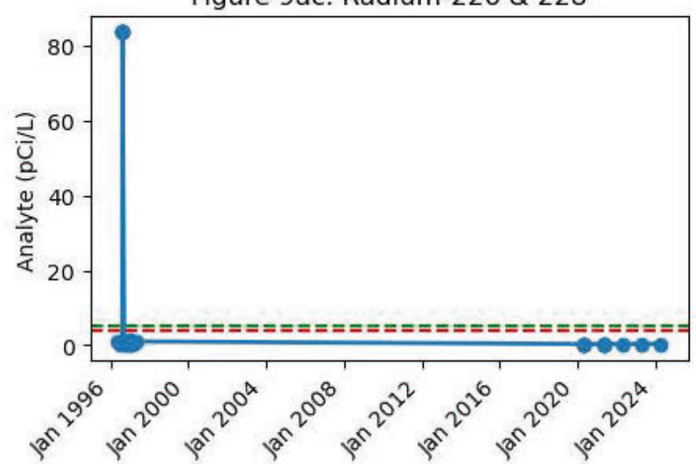

Figure 9ad. Selenium

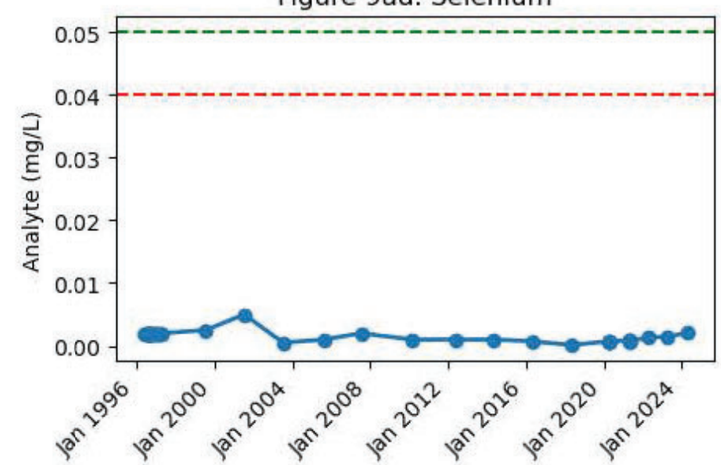

Figure 9ae. Sodium

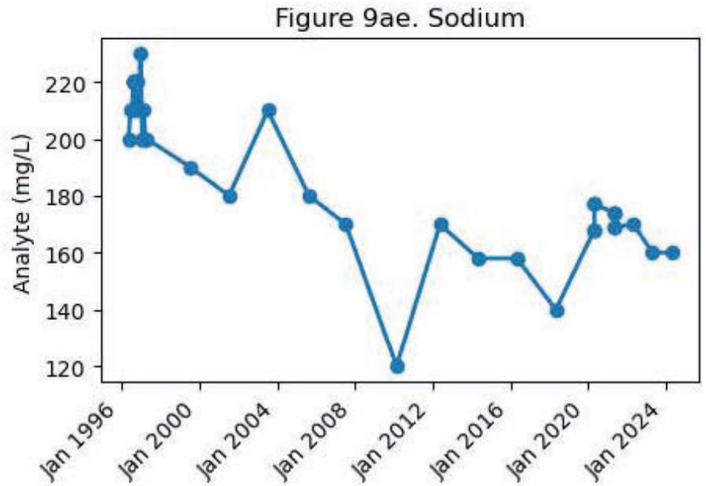

Figure 9af. Specific Conductance, Field

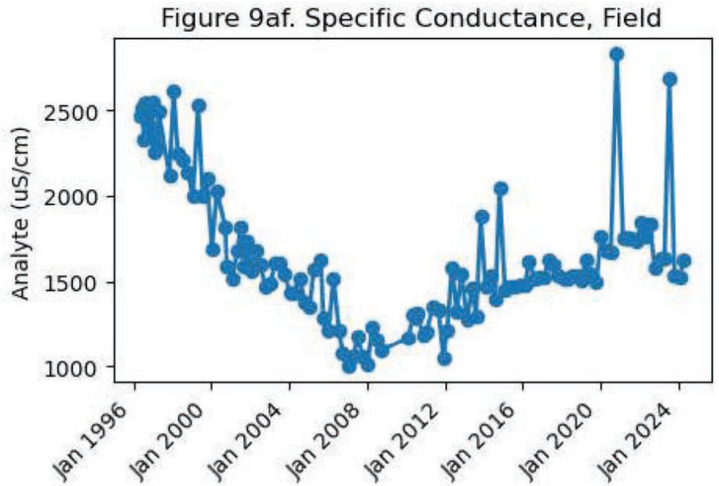

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Figure 9ag. Sulfate

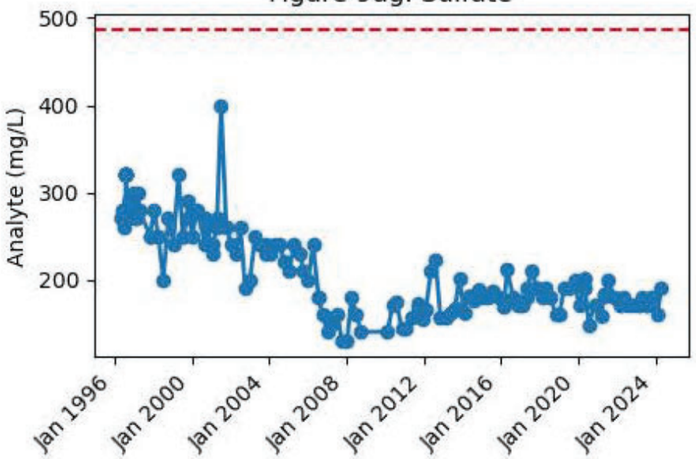


Figure 9ah. Temperature, Field

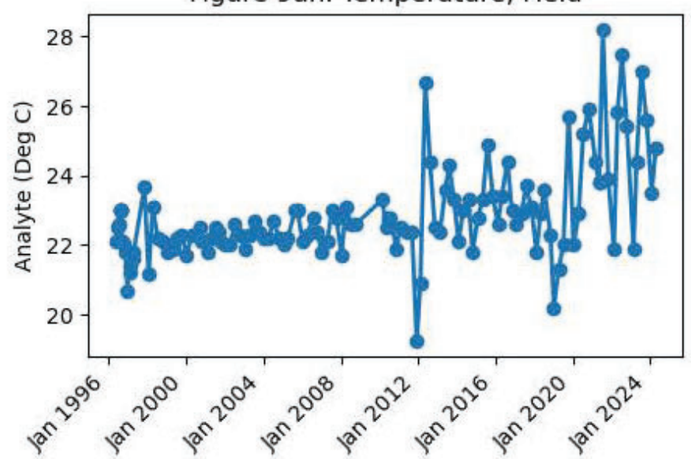


Figure 9ai. Thallium

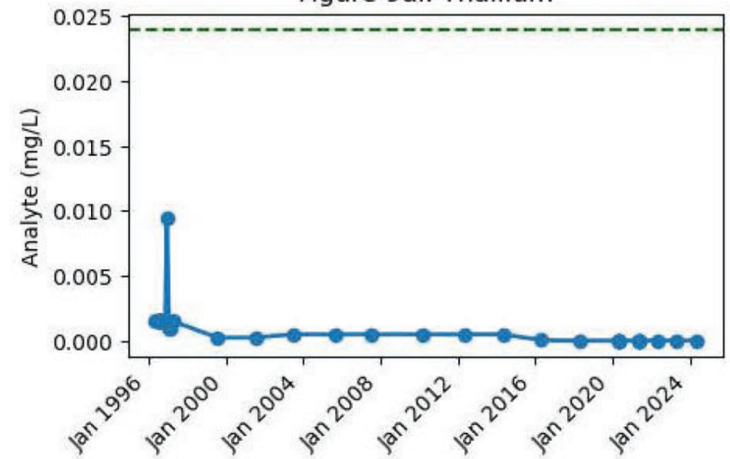


Figure 9aj. Toluene

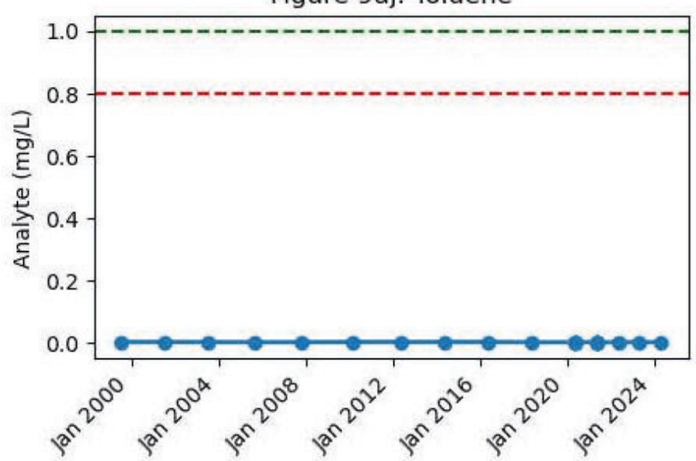


Figure 9ak. Total Dissolved Solids (TDS)

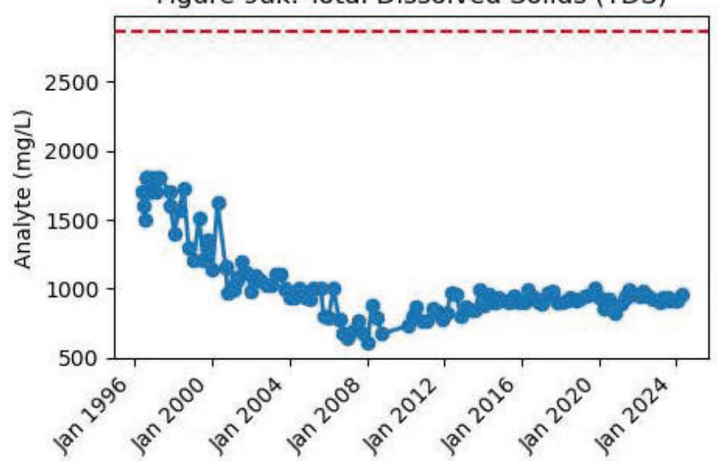


Figure 9al. Total Petroleum Hydrocarbons (C10-C22) Diesel

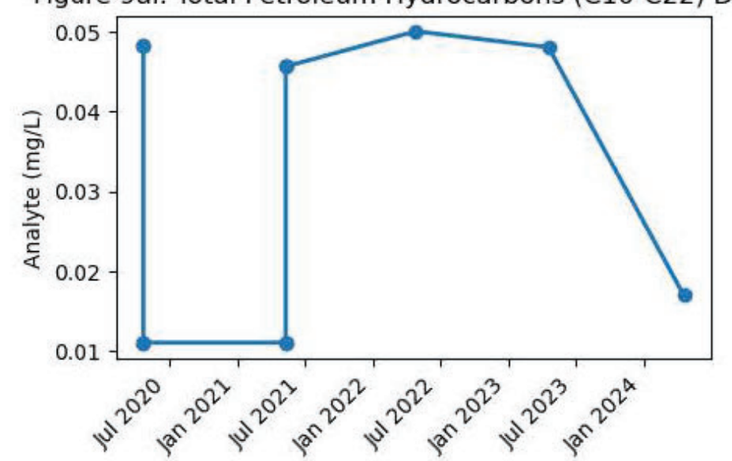


Figure 9am. Turbidity, Field

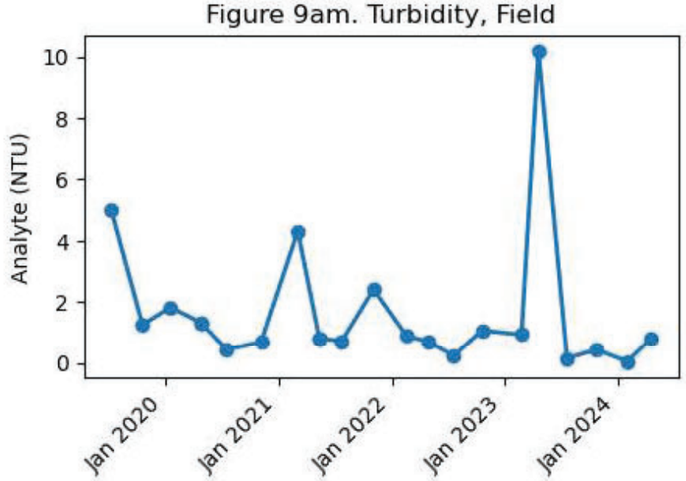
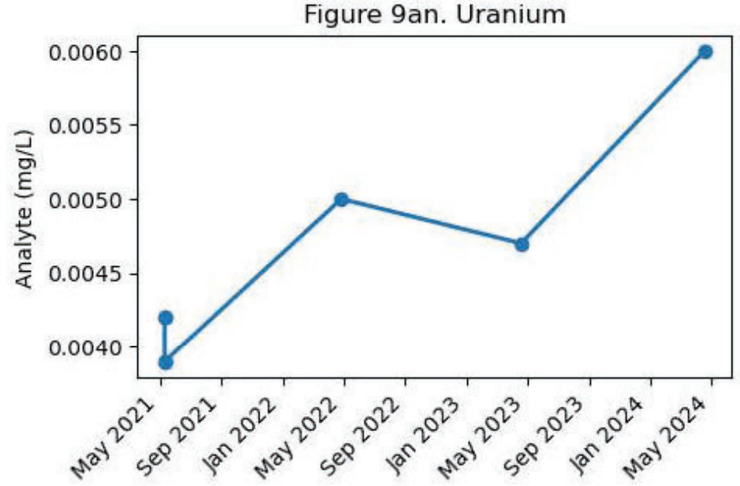


Figure 9an. Uranium



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M21-UBF Quarterly Analyte Graphs

Figure 9ao. Xylene (Total)

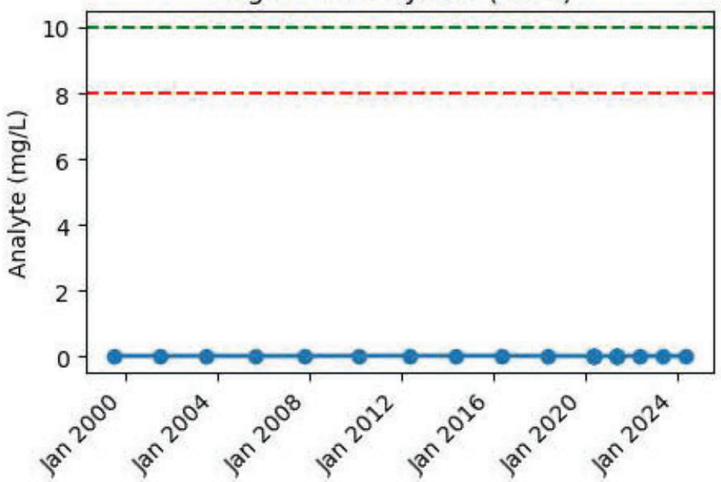


Figure 9ap. Zinc

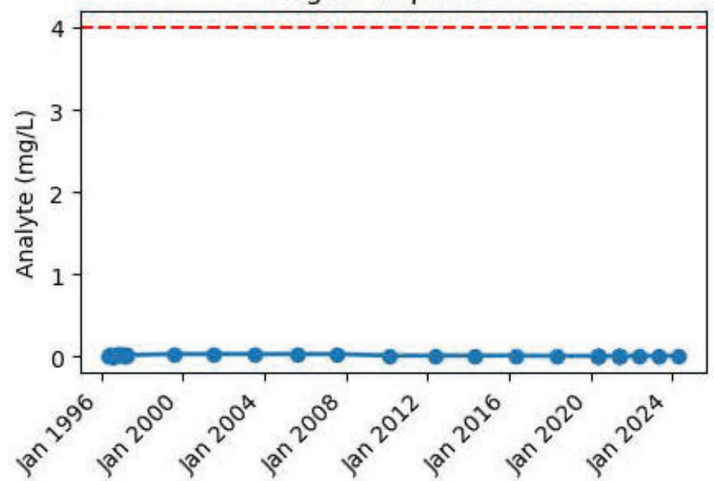


Figure 9aq. Total Uranium Isotopes

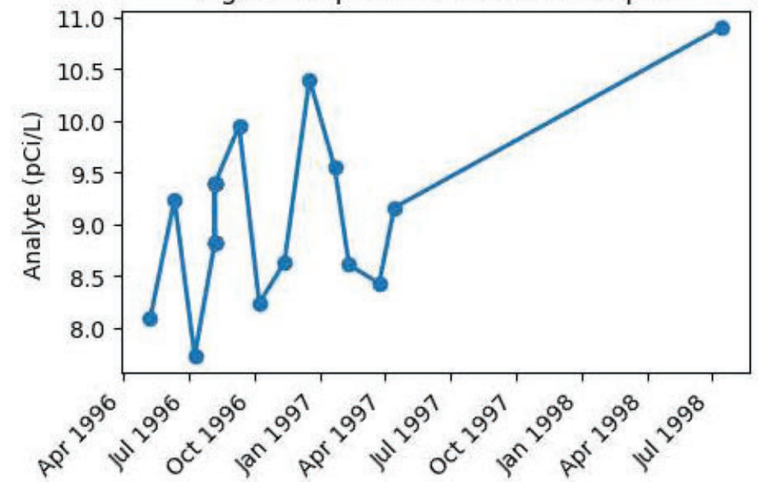
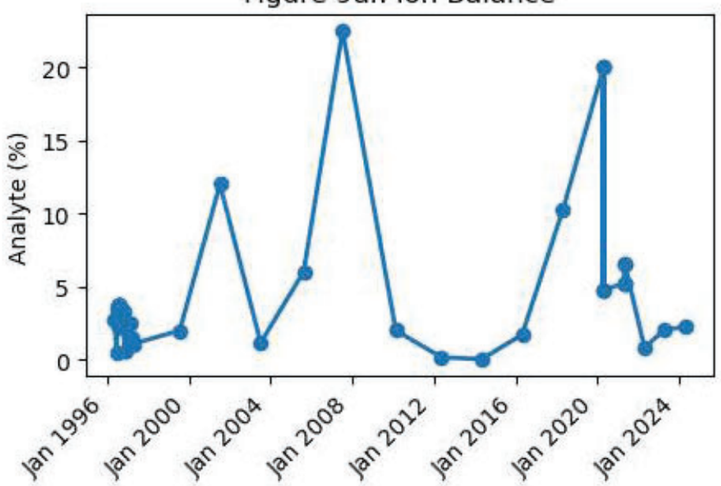


Figure 9ar. Ion Balance



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M22-O Quarterly Analyte Graphs

Figure 10a. Alkalinity, Bicarbonate

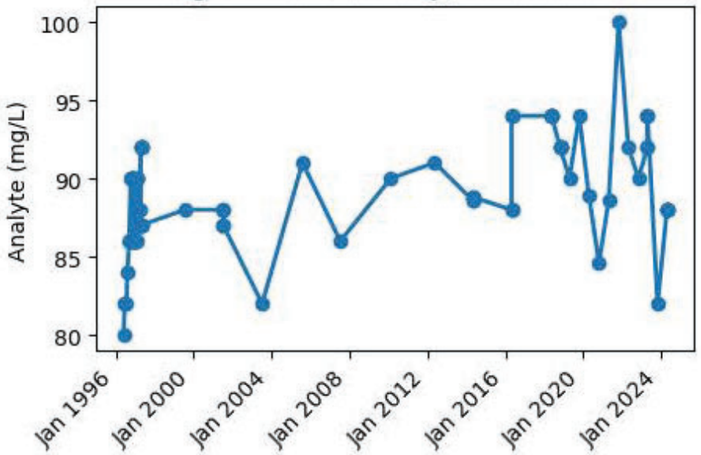


Figure 10b. Alkalinity, Carbonate

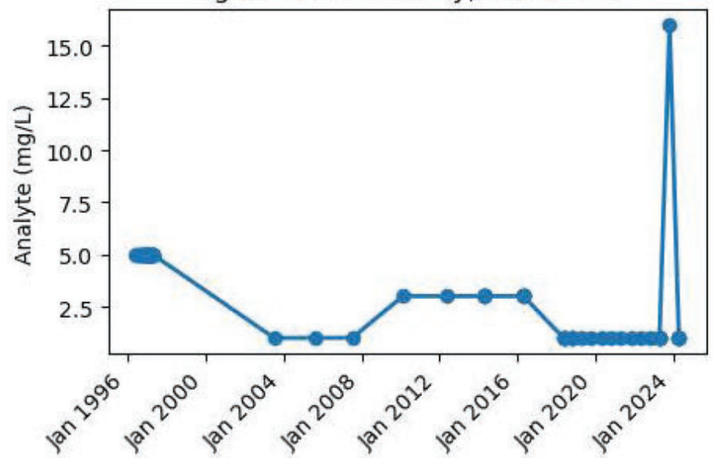


Figure 10c. Alkalinity, Hydroxide

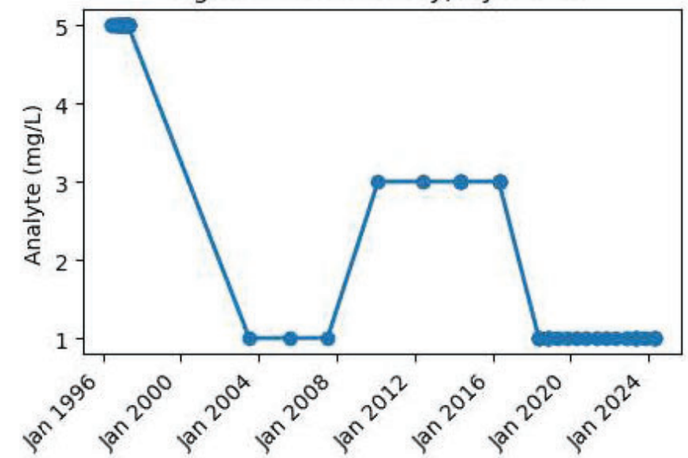


Figure 10d. Alkalinity, Total (as CaCO3)

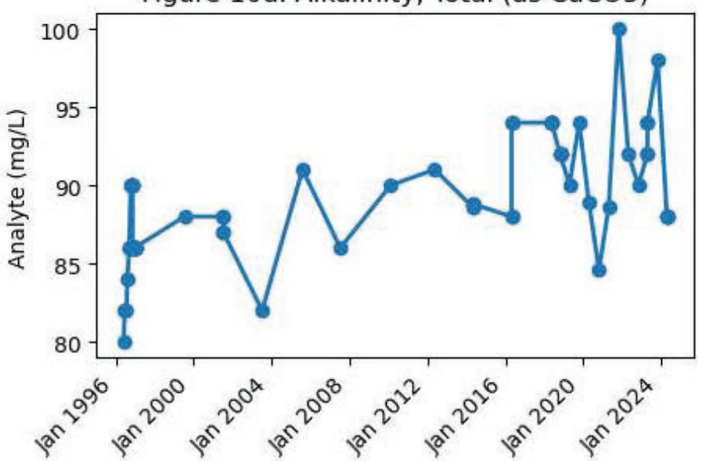


Figure 10e. Aluminum

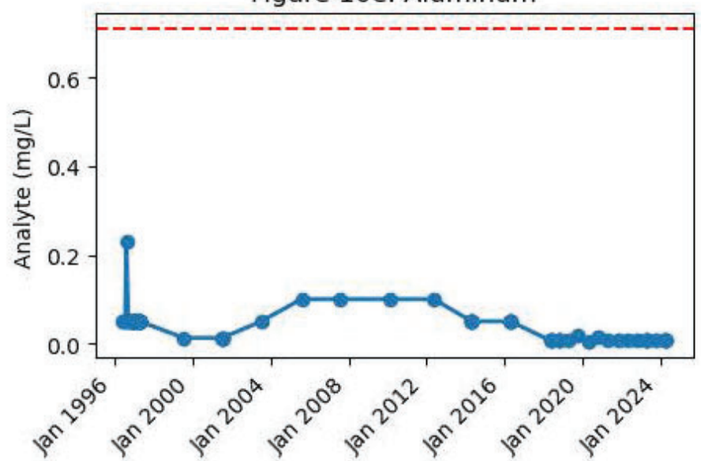


Figure 10f. Antimony

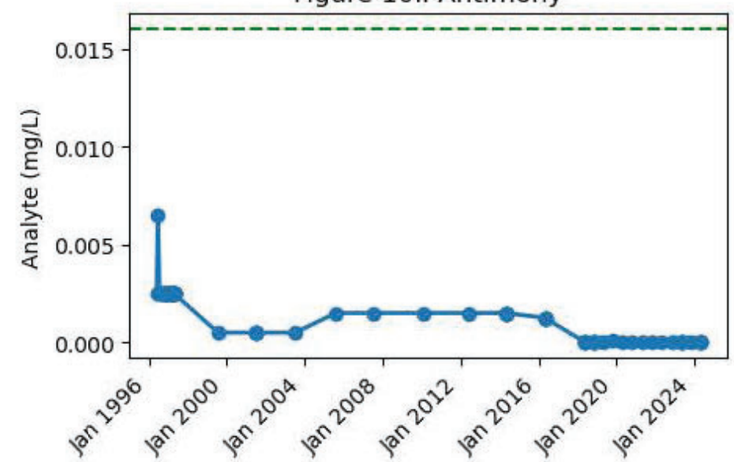


Figure 10g. Arsenic

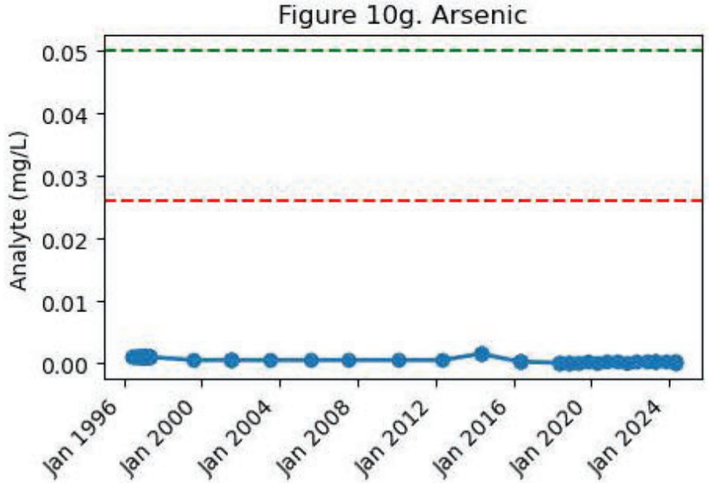
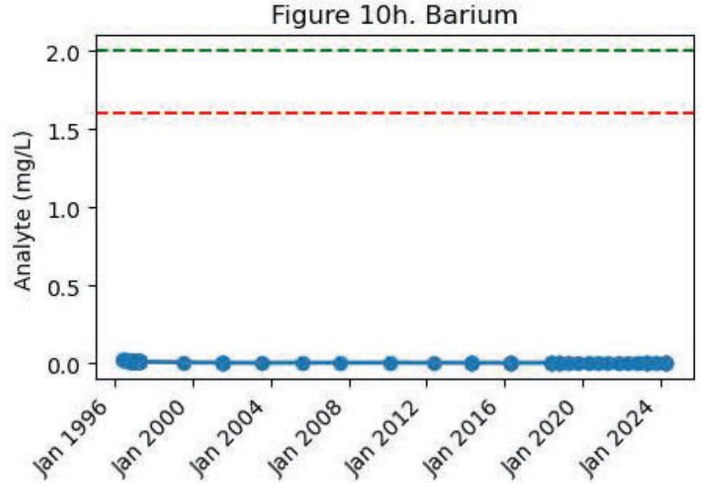


Figure 10h. Barium



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M22-O Quarterly Analyte Graphs

Figure 10i. Benzene

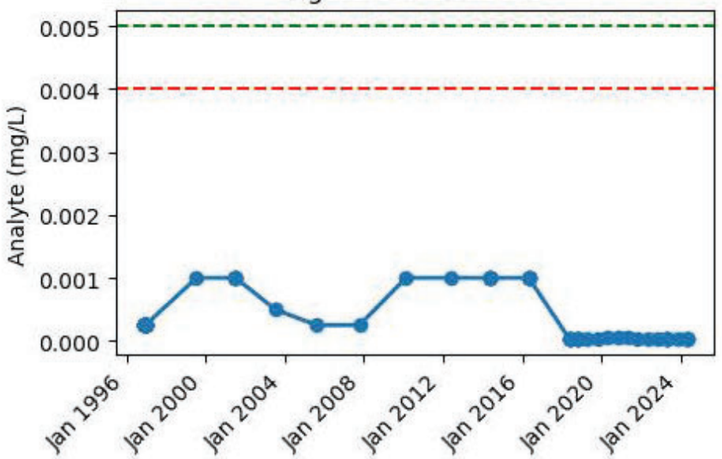

Figure 10j. Beryllium

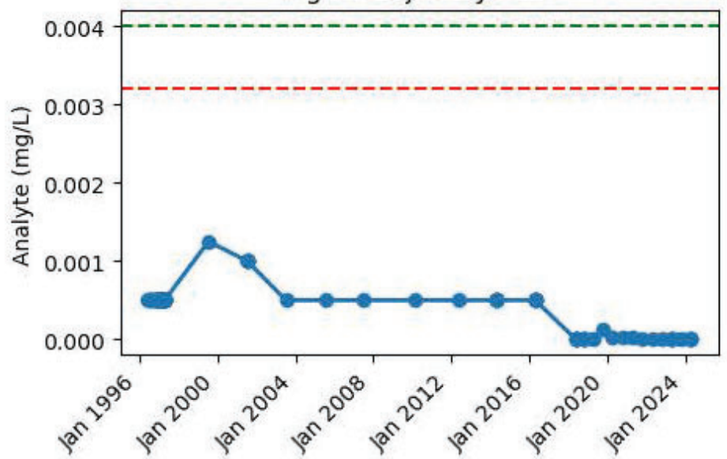

Figure 10k. Cadmium

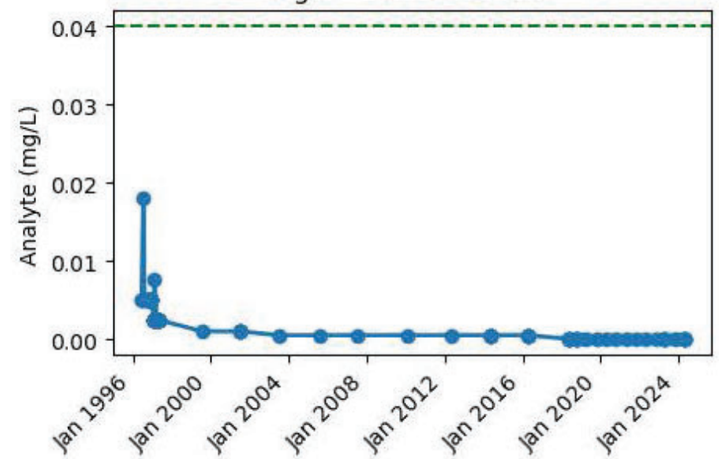

Figure 10l. Calcium

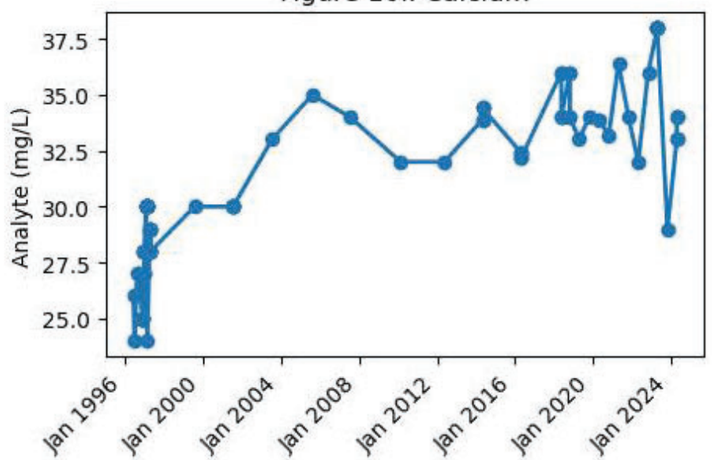

Figure 10m. Chloride

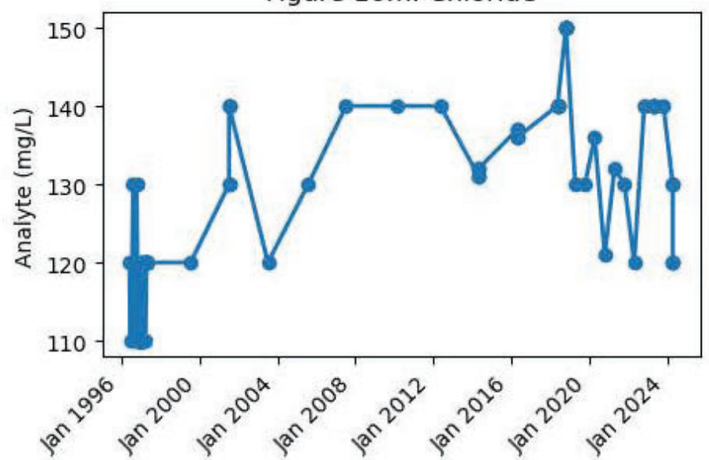

Figure 10n. Chromium

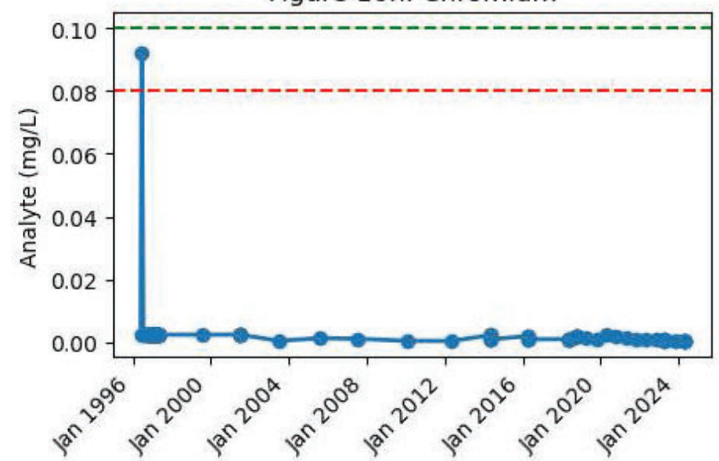

Figure 10o. Cobalt

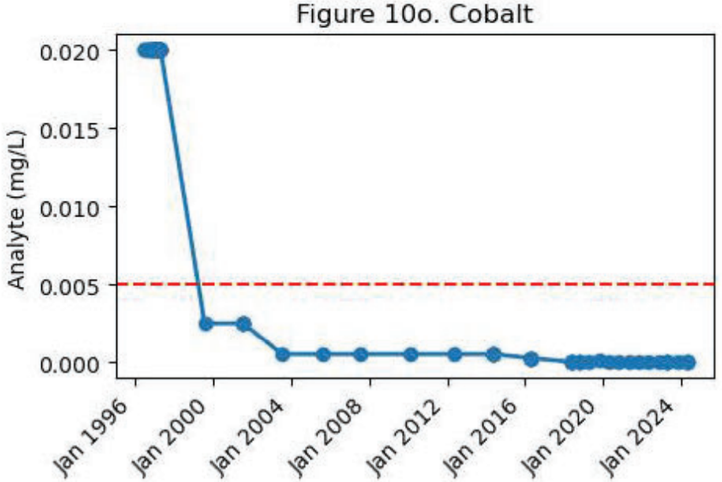

Figure 10p. Copper

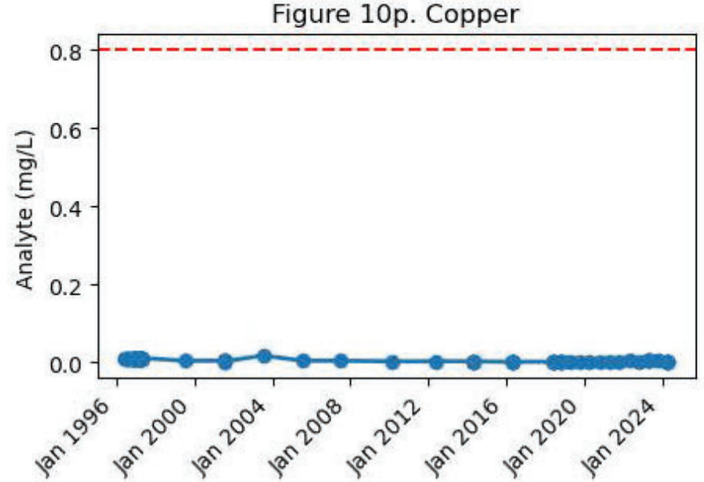

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Figure 10q. Ethylbenzene

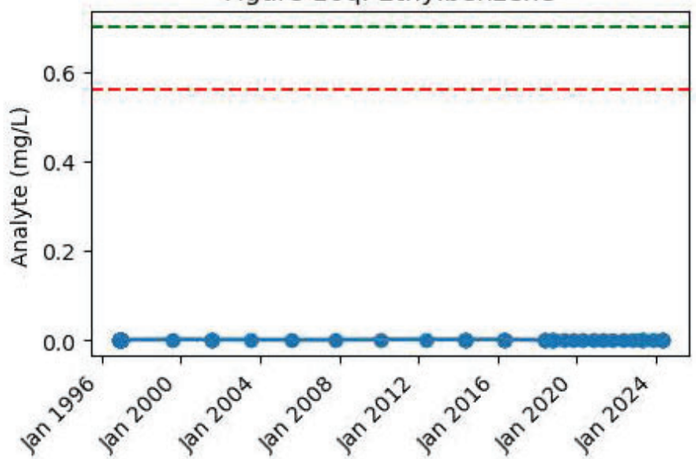

Figure 10r. Fluoride

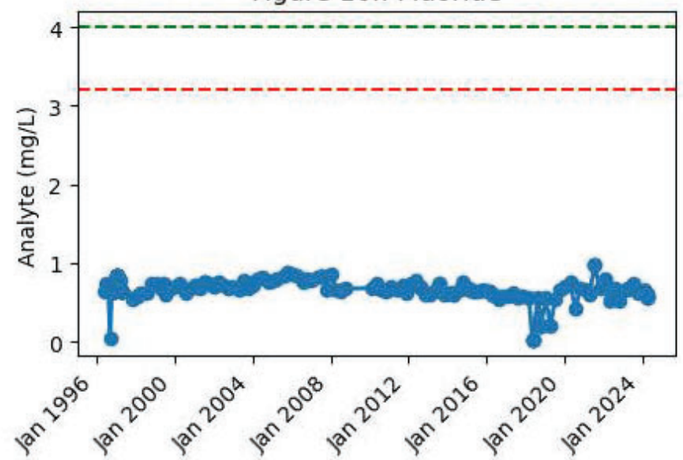

Figure 10s. Gross Alpha Analytes

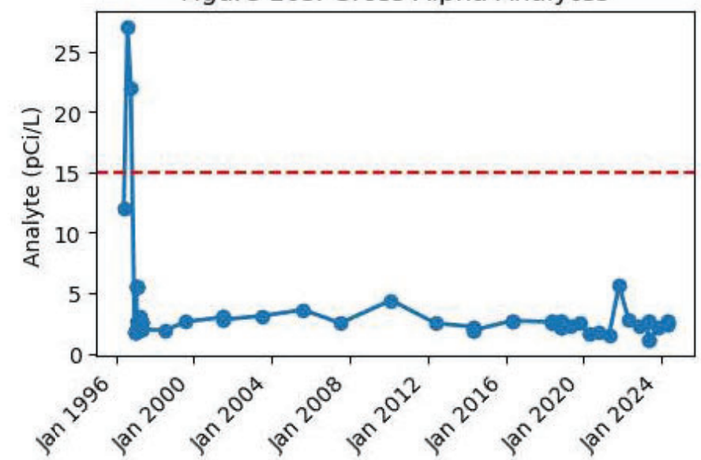

Figure 10t. Iron

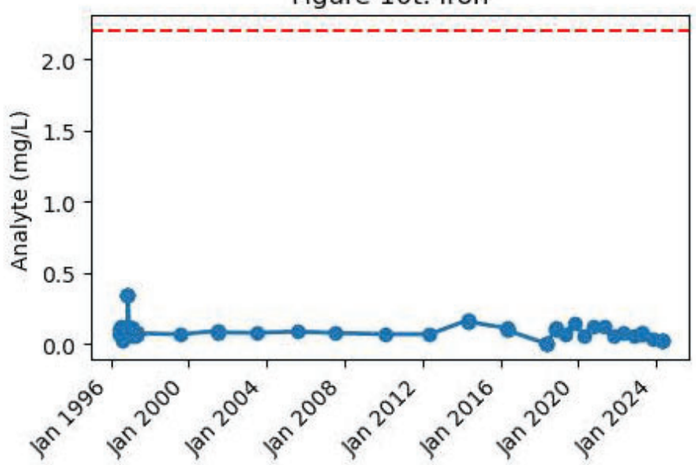

Figure 10u. Lead

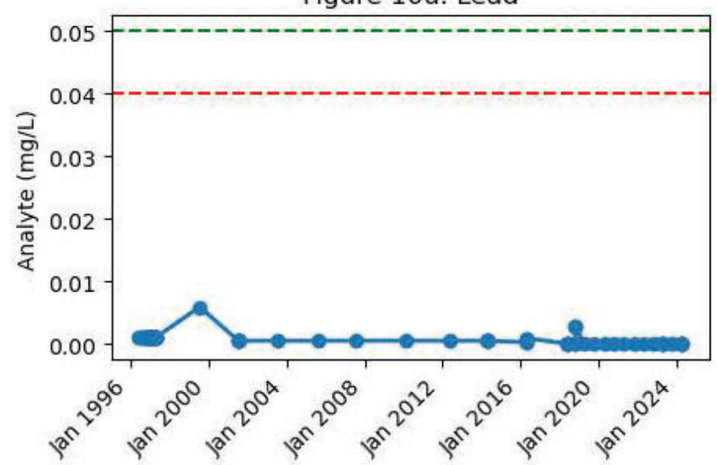

Figure 10v. Magnesium

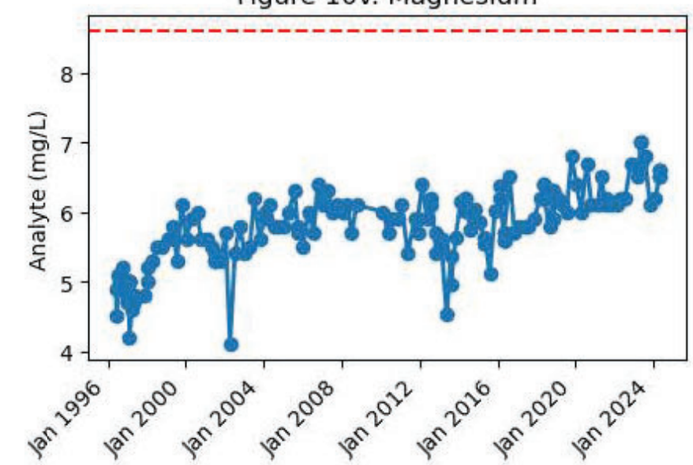

Figure 10w. Manganese

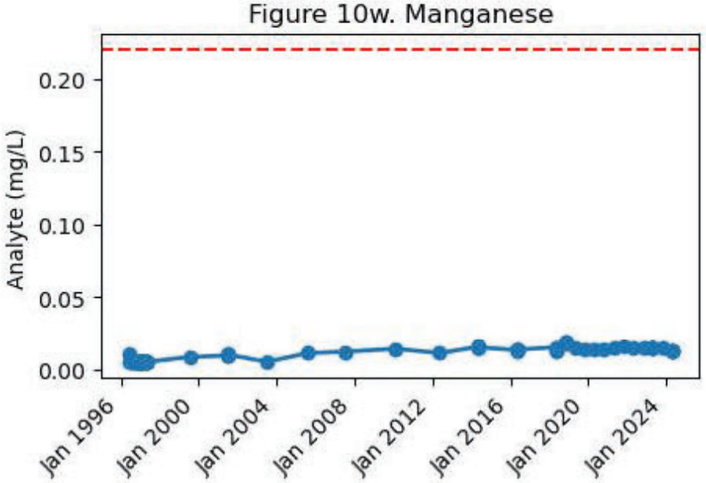

Figure 10x. Mercury

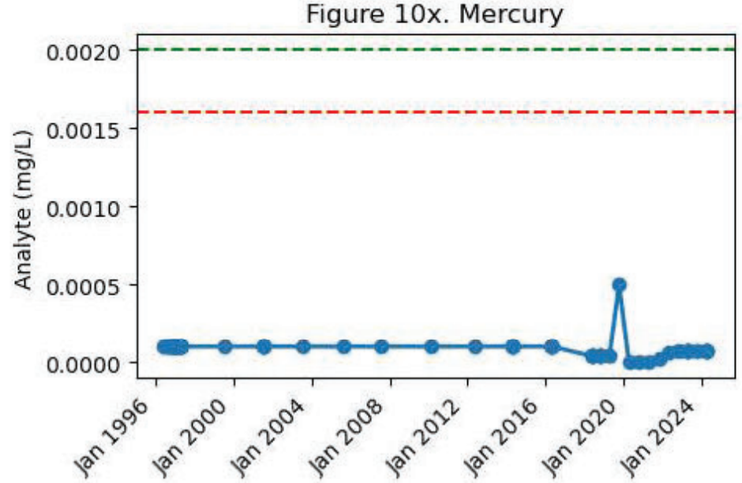

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Figure 10y. Nickel

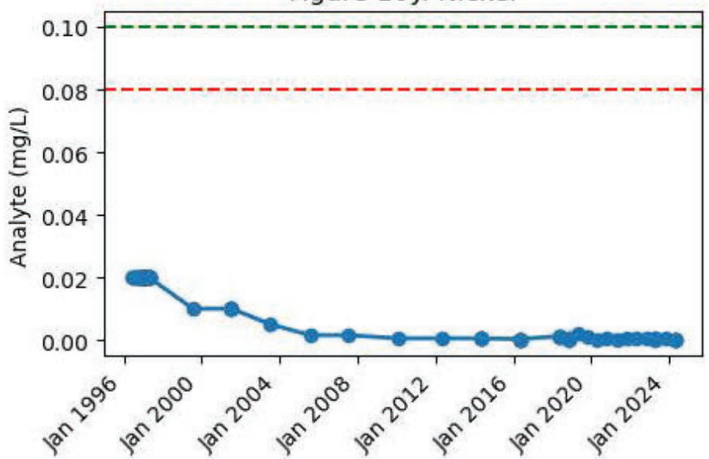

Figure 10z. Nitrate (as N)

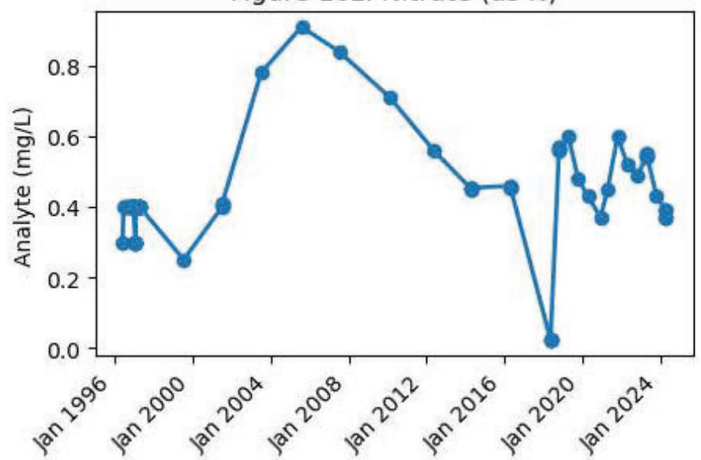

Figure 10aa. pH, Field

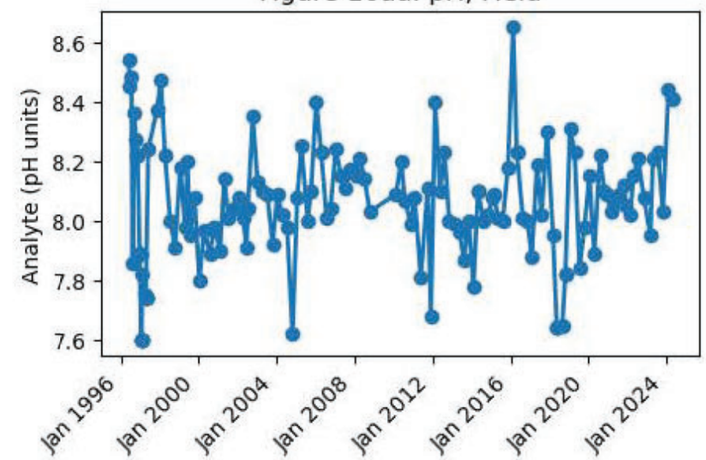

Figure 10ab. Potassium

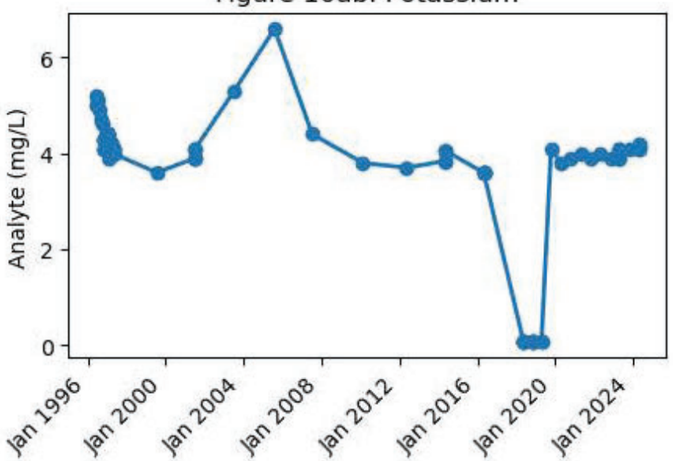

Figure 10ac. Radium-226 & 228

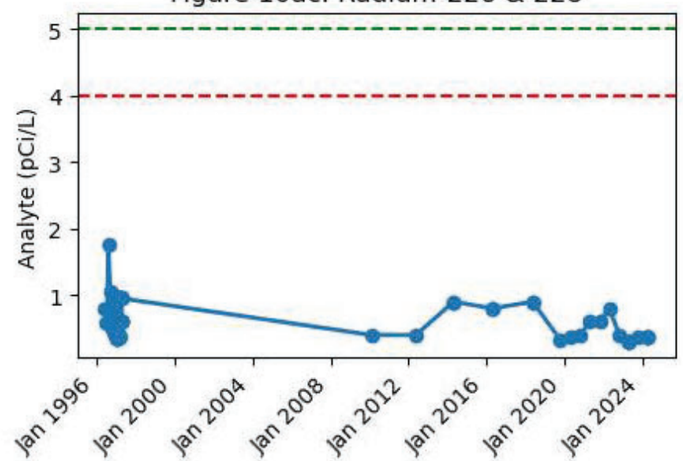

Figure 10ad. Selenium

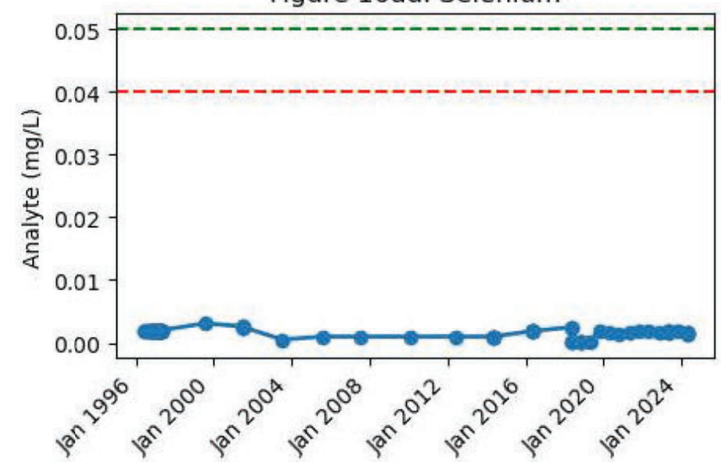

Figure 10ae. Sodium

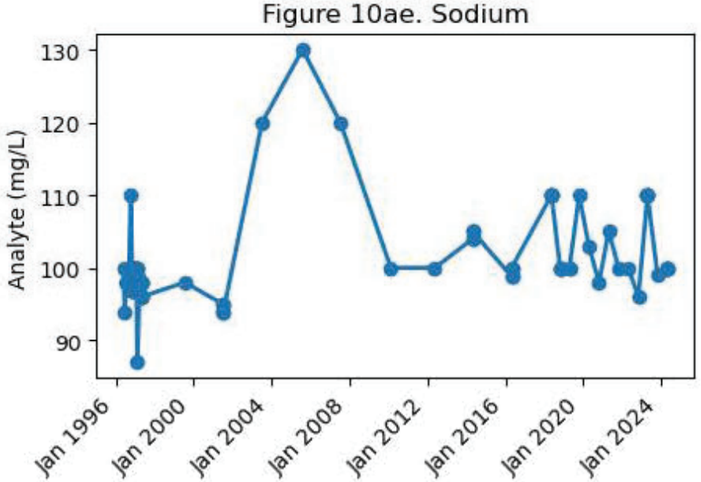

Figure 10af. Specific Conductance, Field

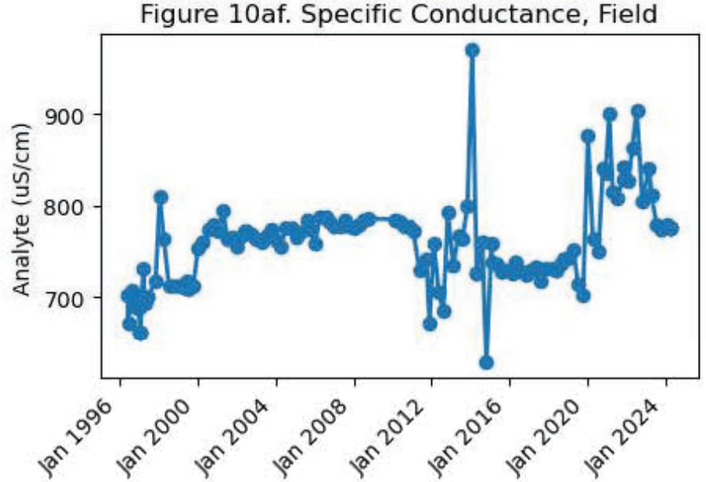

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Figure 10ag. Sulfate

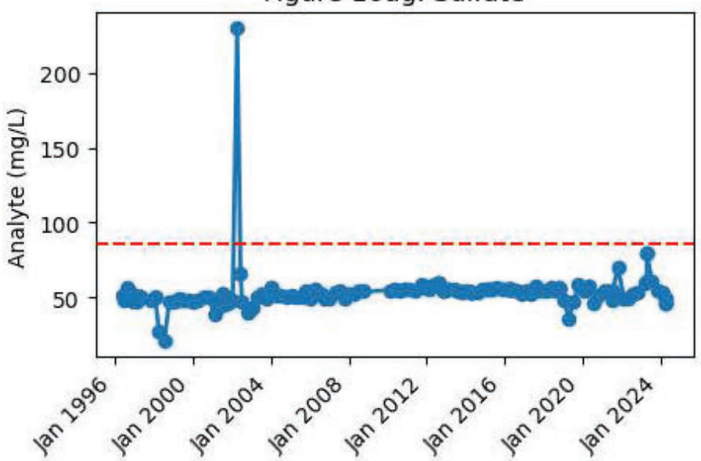

Figure 10ah. Temperature, Field

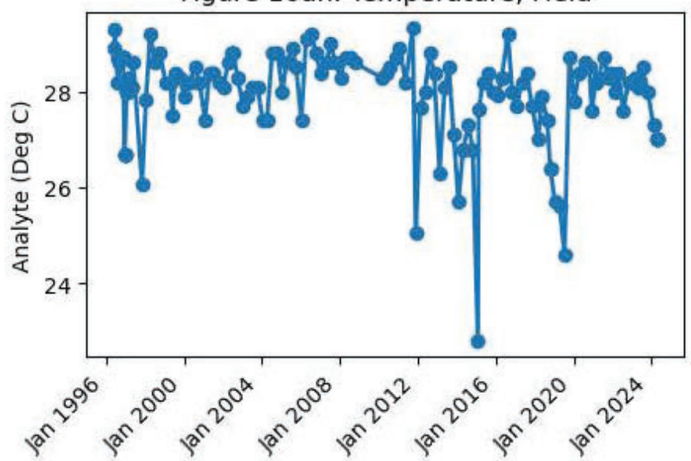

Figure 10ai. Thallium

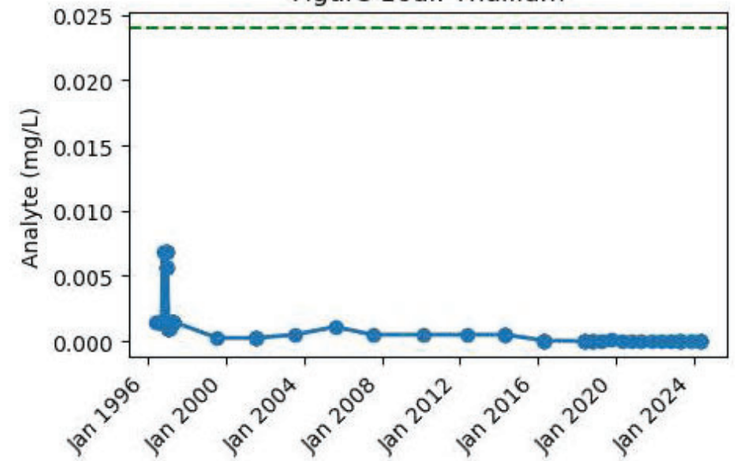

Figure 10aj. Toluene

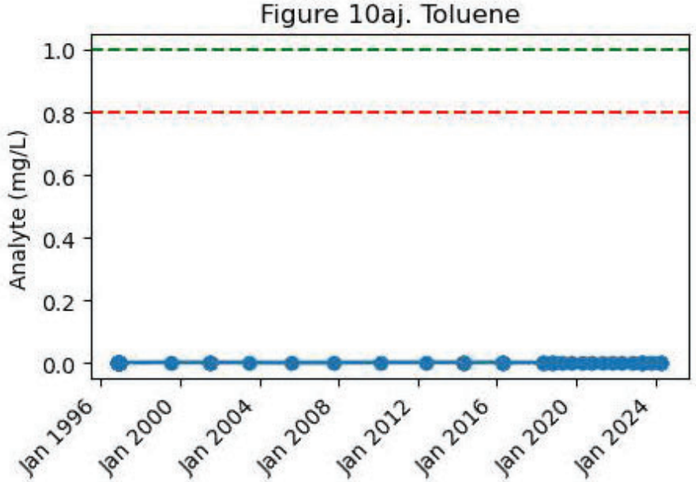

Figure 10ak. Total Dissolved Solids (TDS)

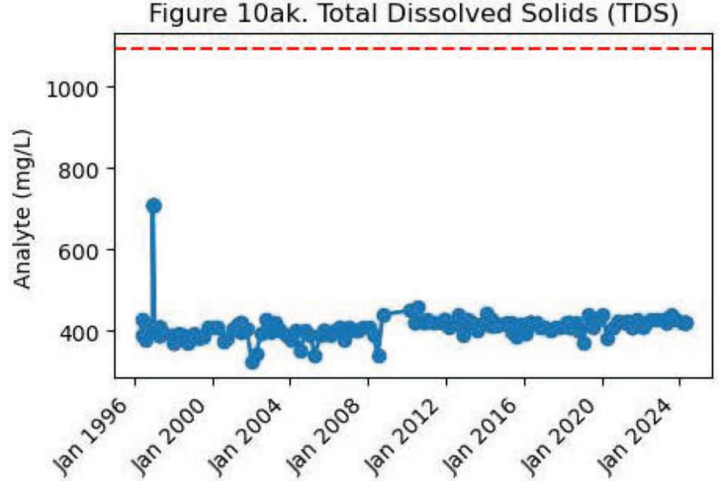

Figure 10al. Total Petroleum Hydrocarbons (C10-C22) Diesel

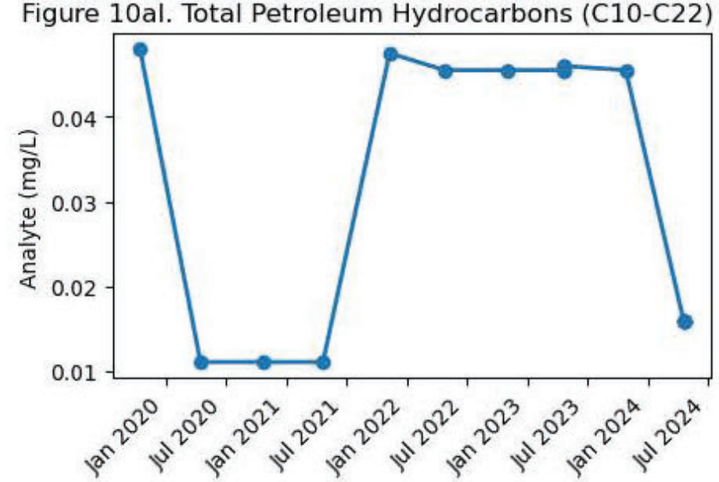

Figure 10am. Turbidity, Field

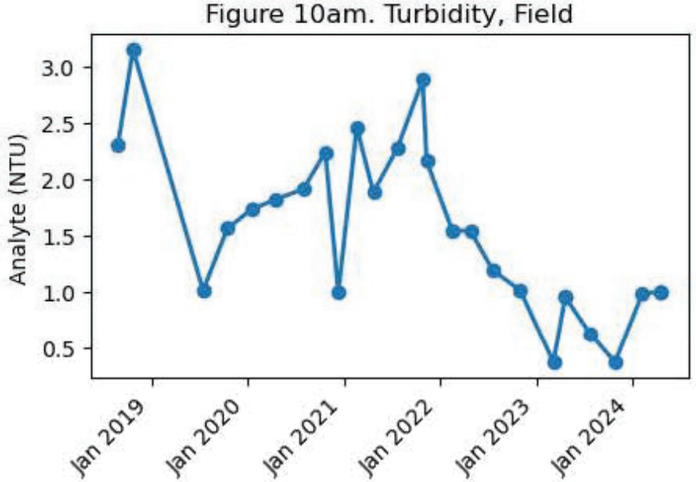

Figure 10an. Uranium

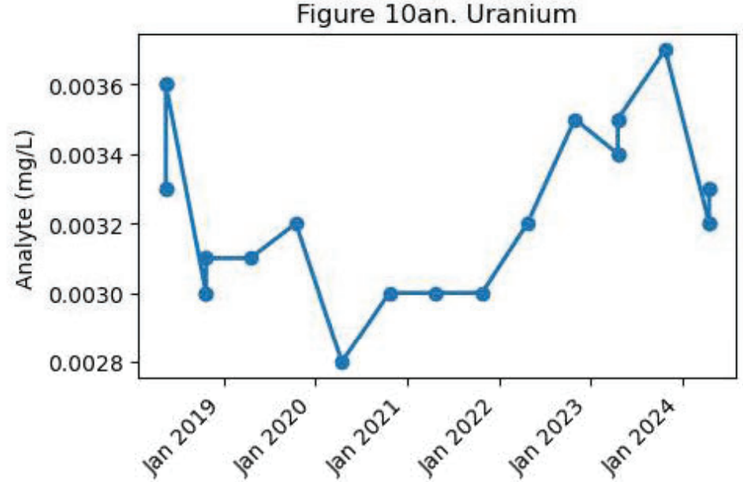

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Figure 10ao. Xylene (Total)

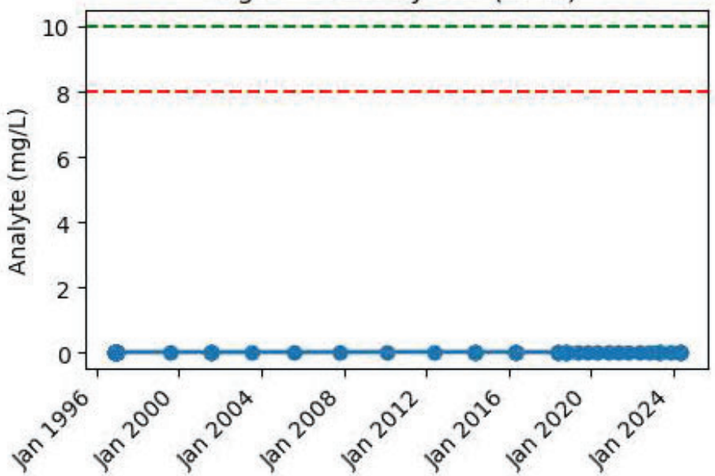

Figure 10ap. Zinc

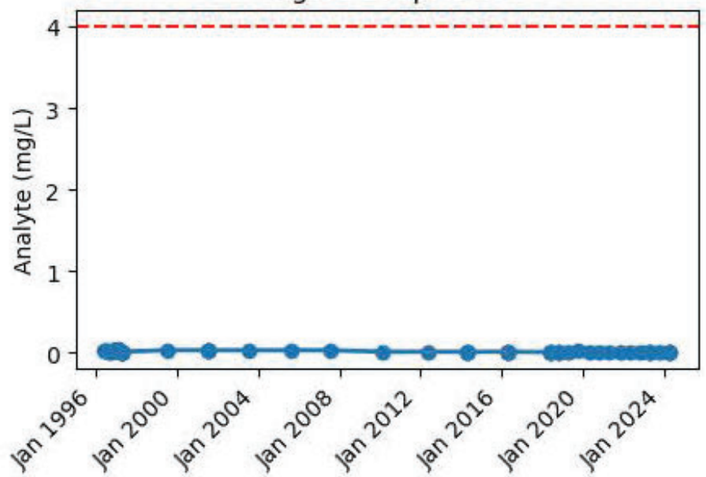

Figure 10aq. Total Uranium Isotopes

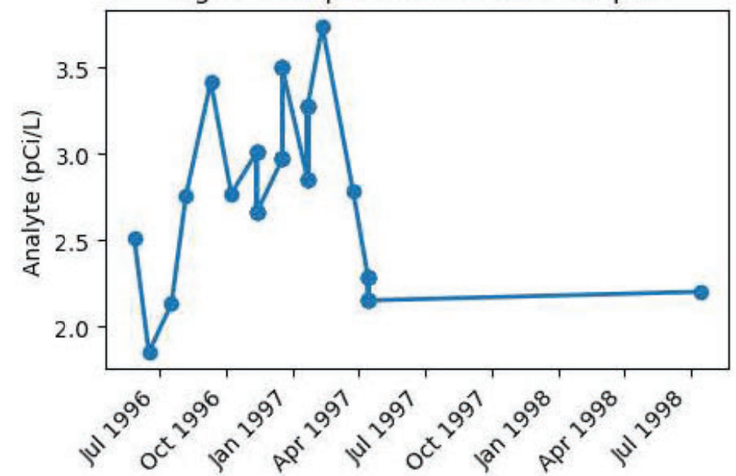

Figure 10ar. Ion Balance

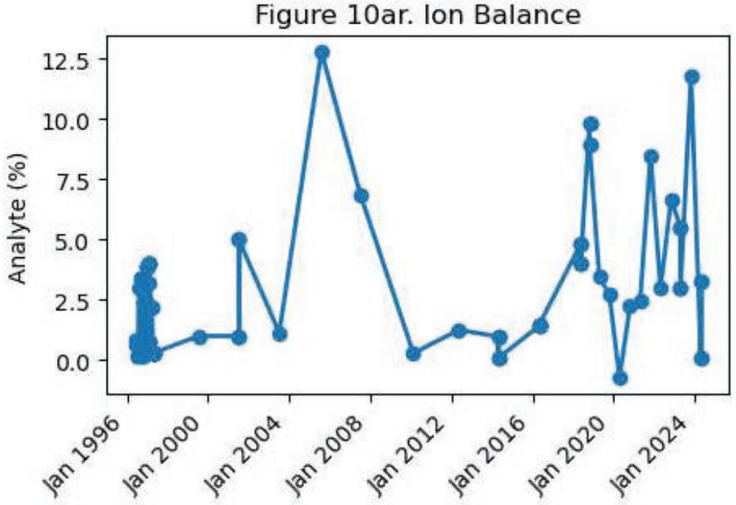

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Figure 11a. Alkalinity, Bicarbonate

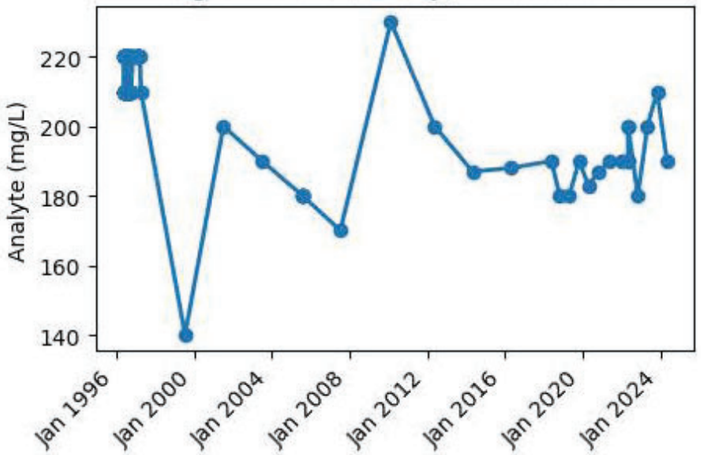


Figure 11b. Alkalinity, Carbonate

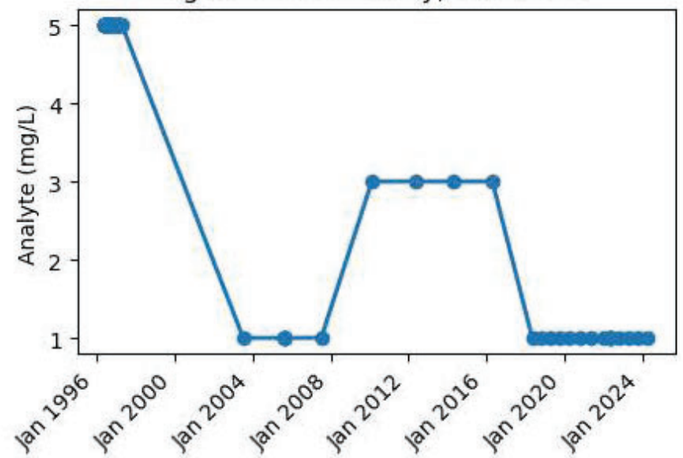


Figure 11c. Alkalinity, Hydroxide

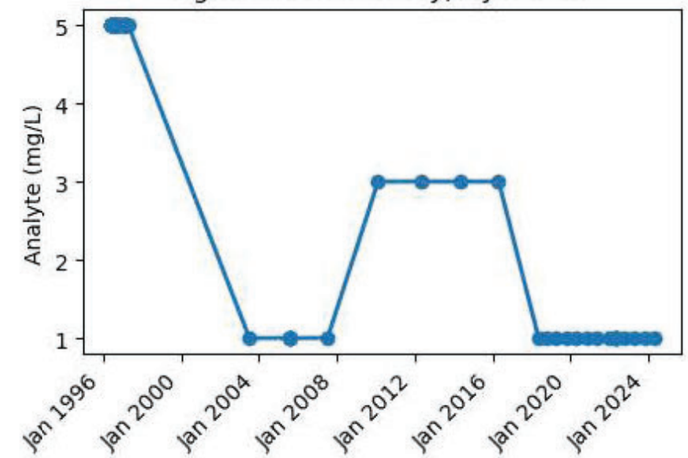


Figure 11d. Alkalinity, Total (as CaCO3)

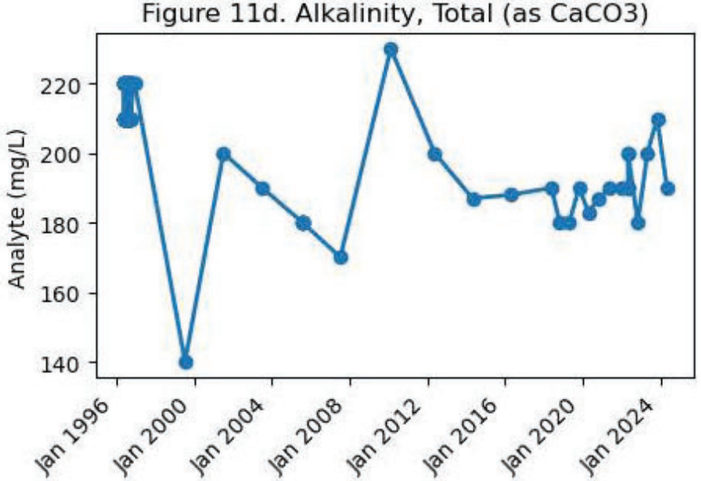


Figure 11e. Aluminum

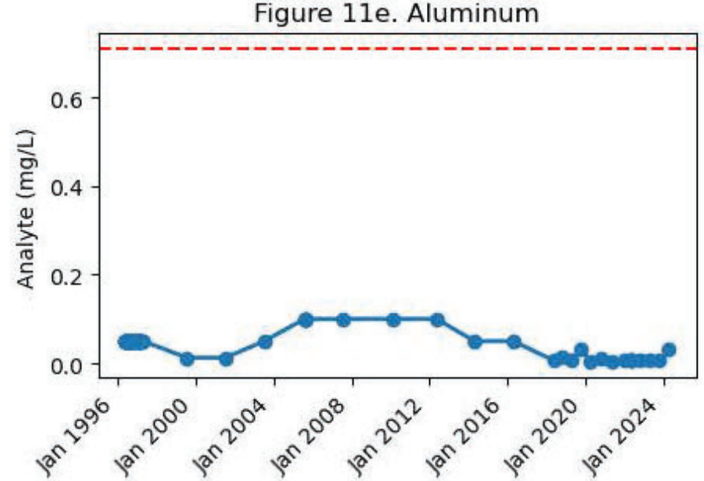


Figure 11f. Antimony

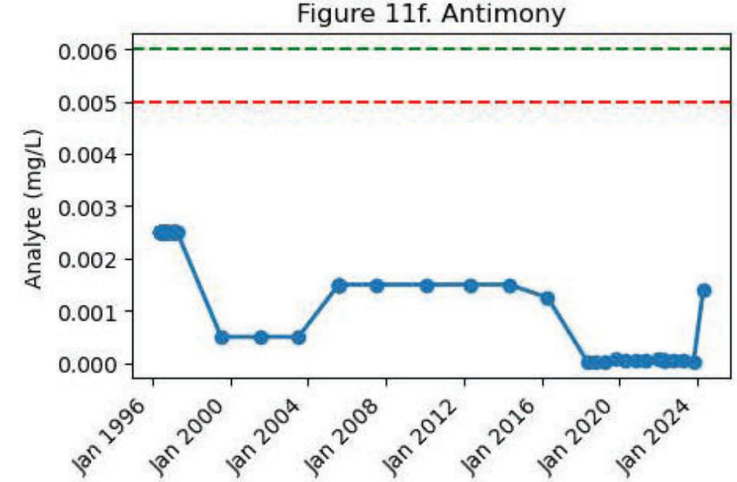


Figure 11g. Arsenic

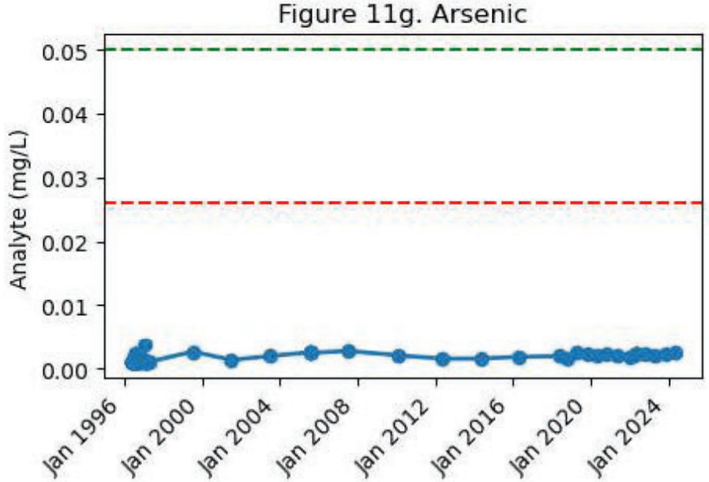
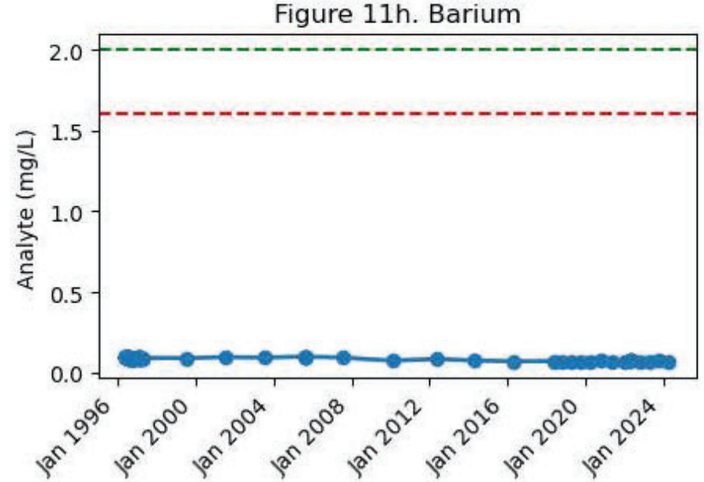


Figure 11h. Barium



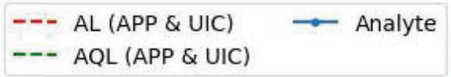


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Figure 11i. Benzene

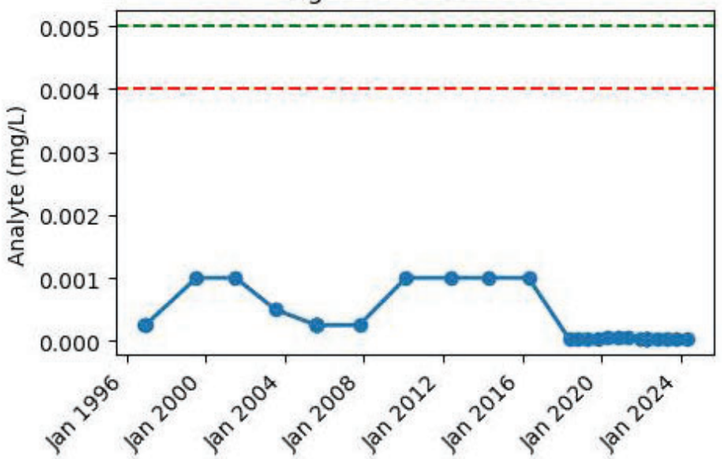

Figure 11j. Beryllium

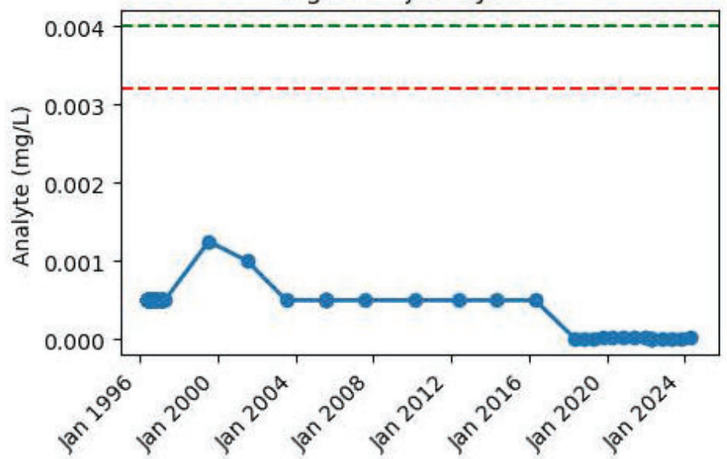

Figure 11k. Cadmium

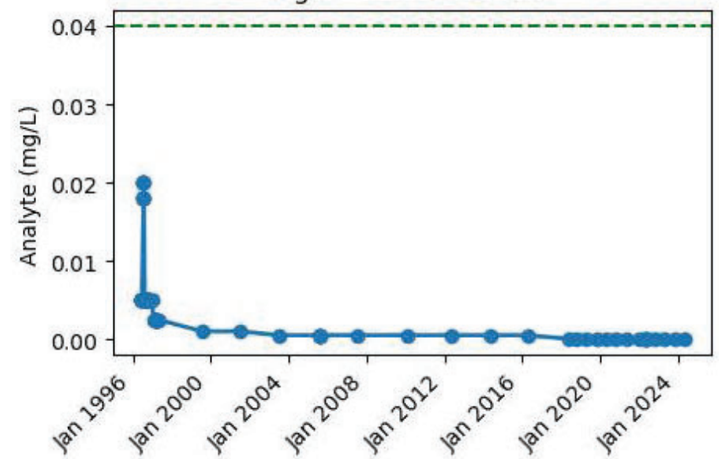

Figure 11l. Calcium

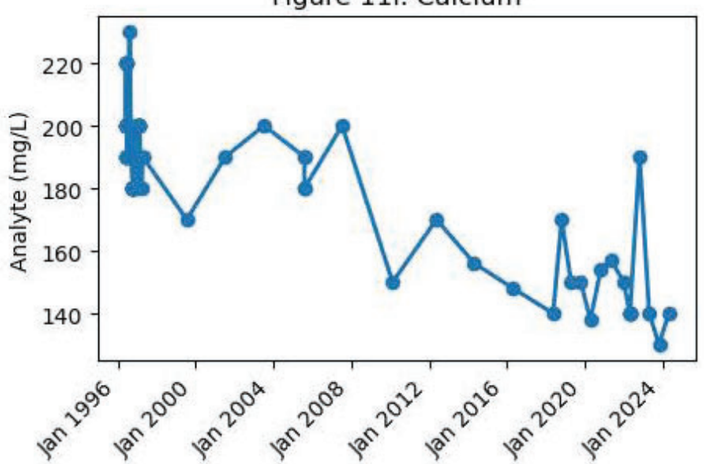

Figure 11m. Chloride

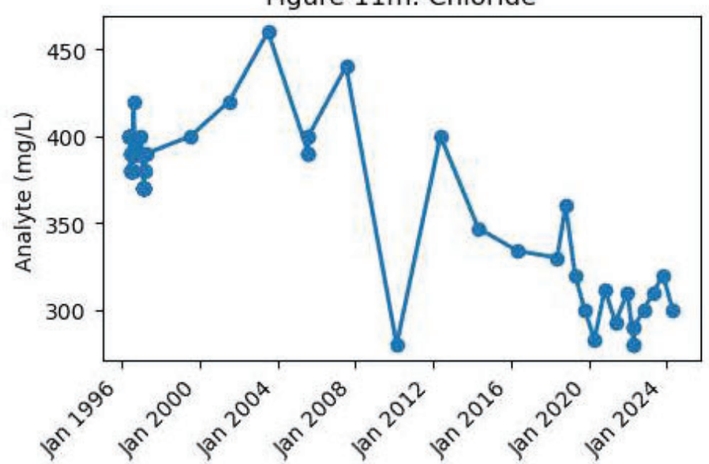

Figure 11n. Chromium

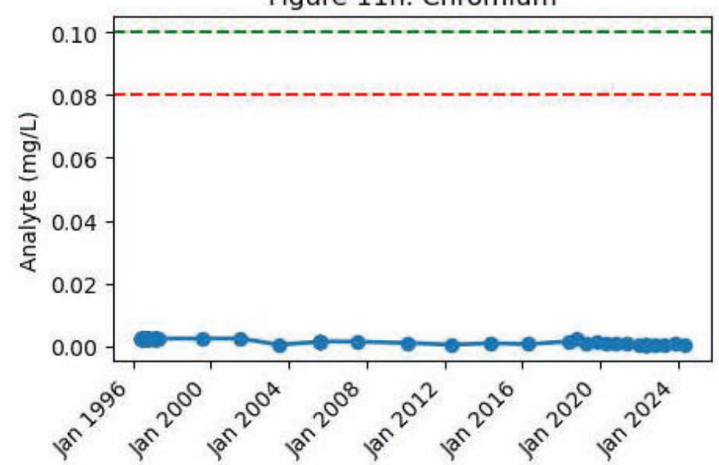

Figure 11o. Cobalt

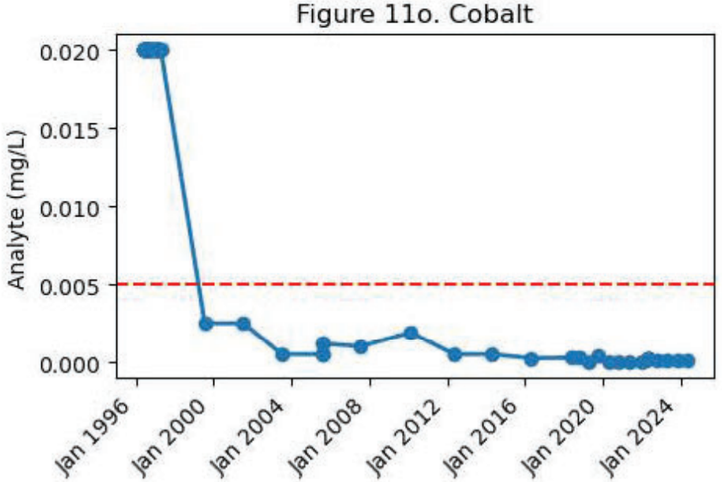

Figure 11p. Copper

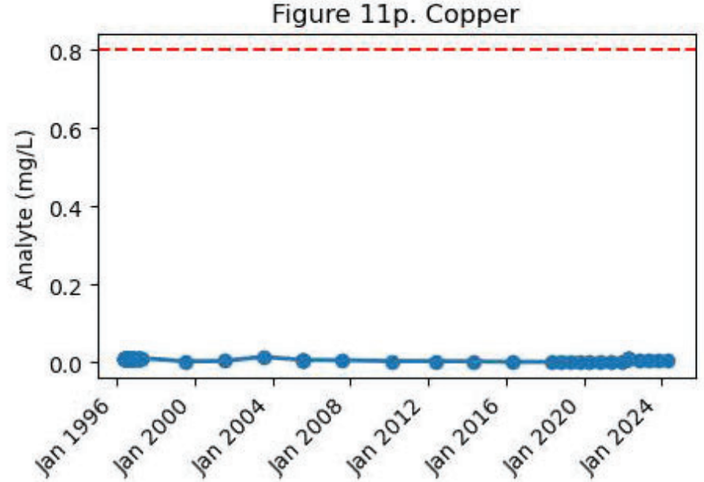

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Figure 11q. Ethylbenzene

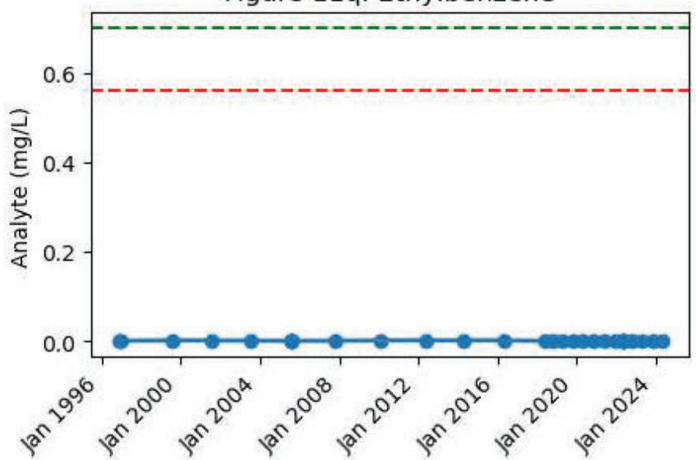

Figure 11r. Fluoride

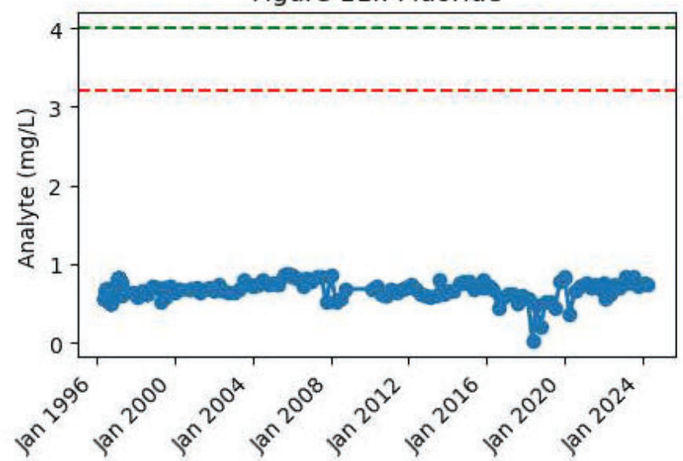

Figure 11s. Gross Alpha Analytes

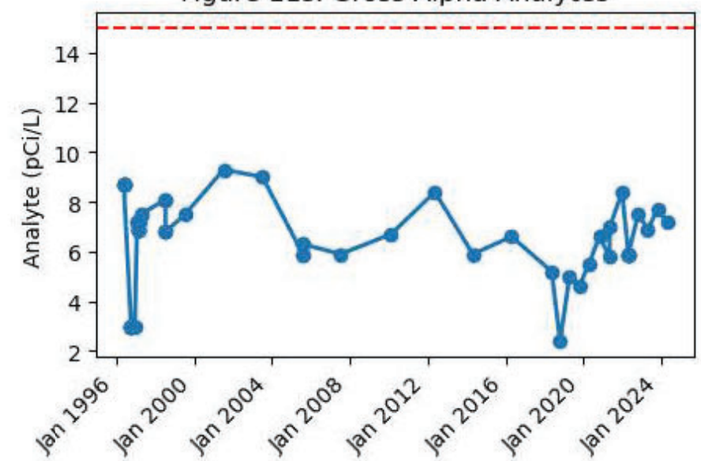

Figure 11t. Iron

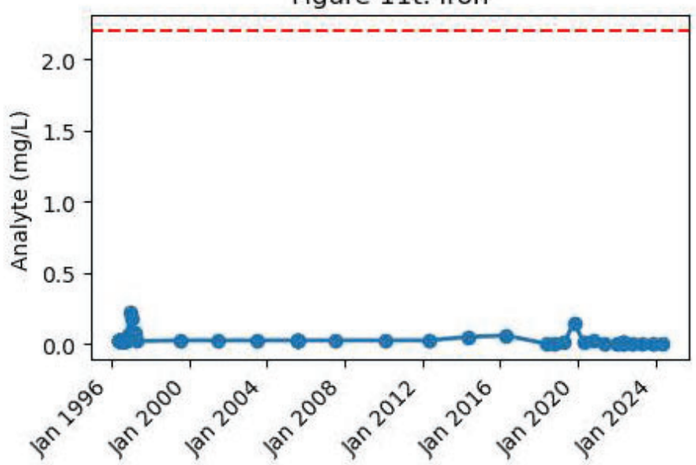

Figure 11u. Lead

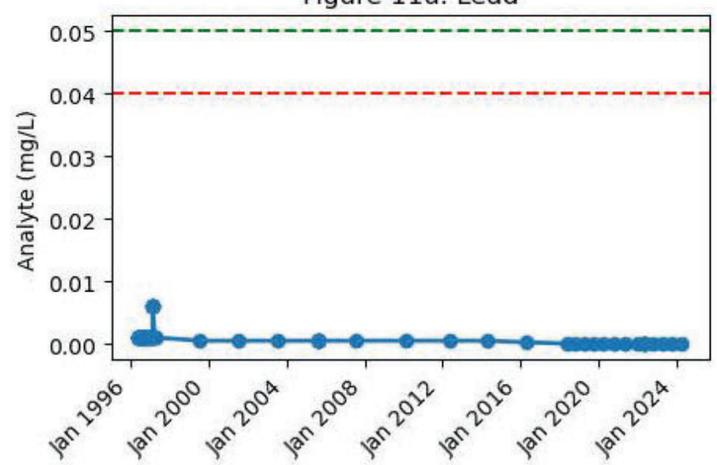

Figure 11v. Magnesium

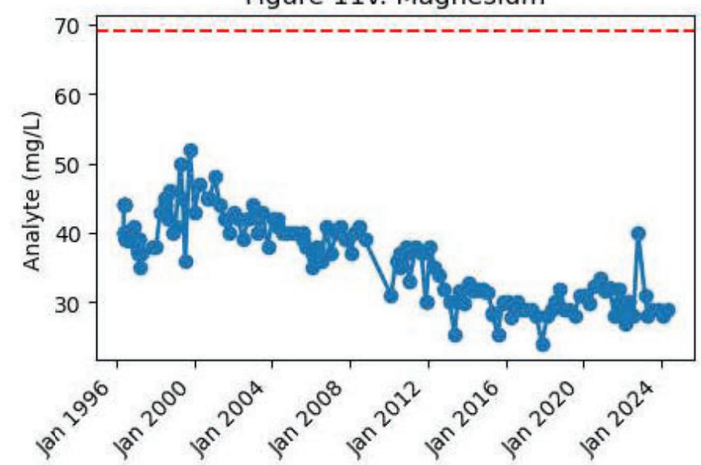

Figure 11w. Manganese

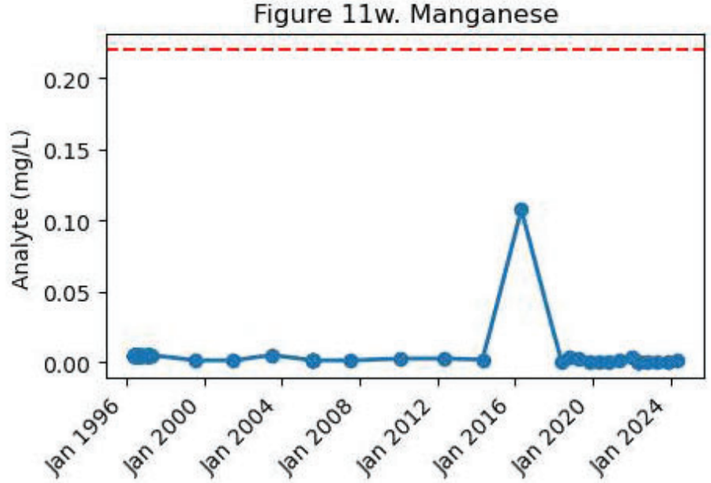

Figure 11x. Mercury

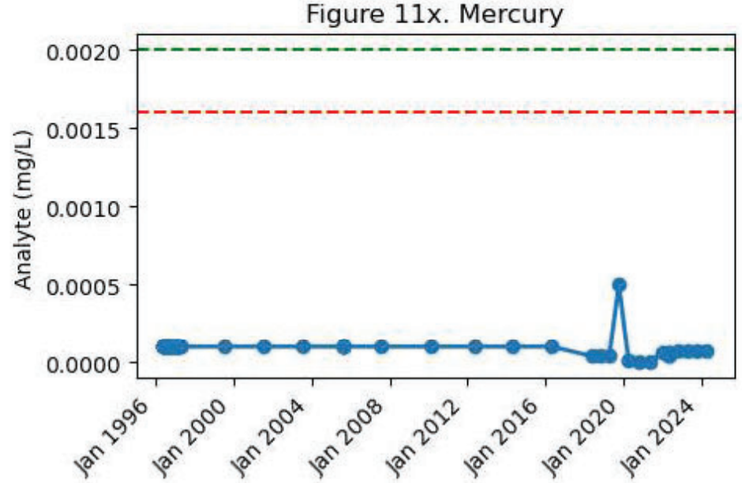

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Figure 11y. Nickel

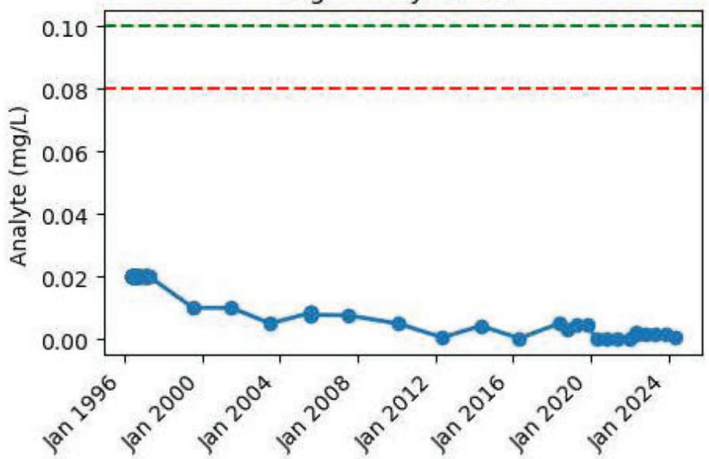

Figure 11z. Nitrate (as N)

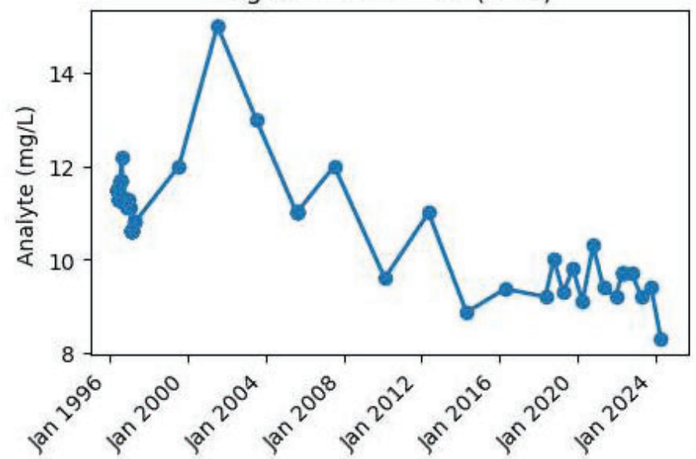

Figure 11aa. pH, Field

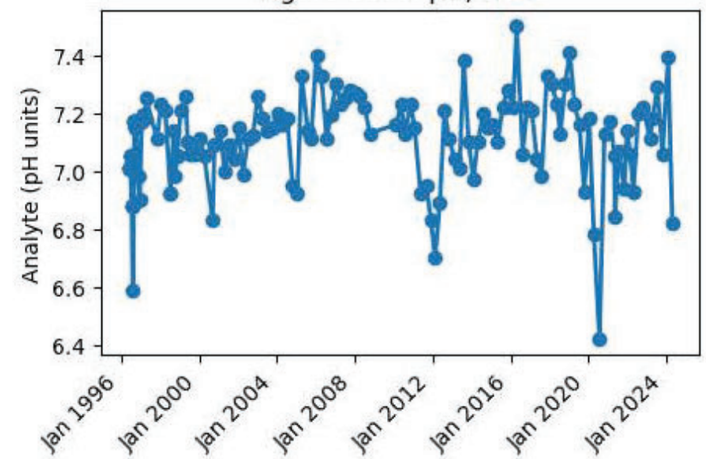

Figure 11ab. Potassium

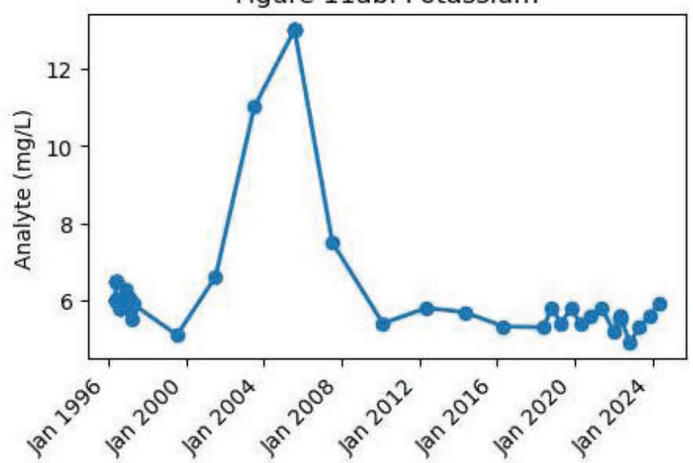

Figure 11ac. Radium-226 & 228

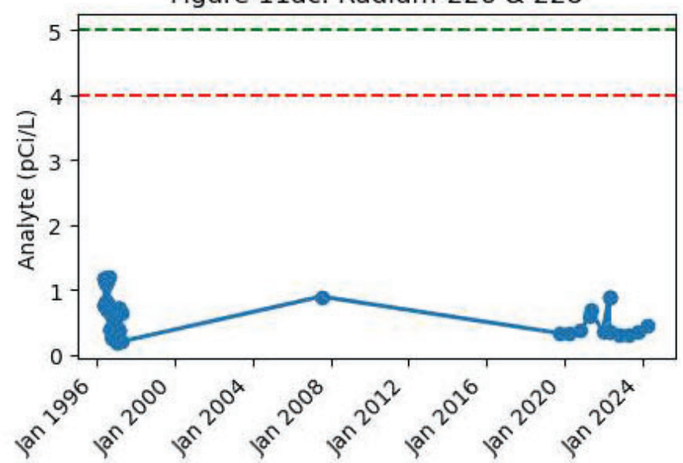

Figure 11ad. Selenium

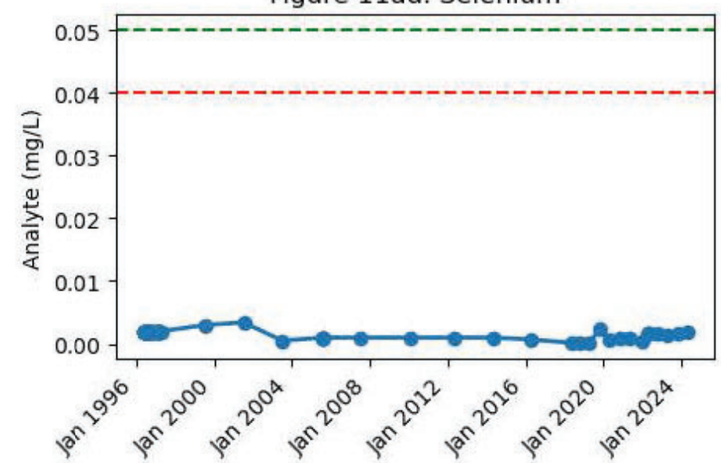

Figure 11ae. Sodium

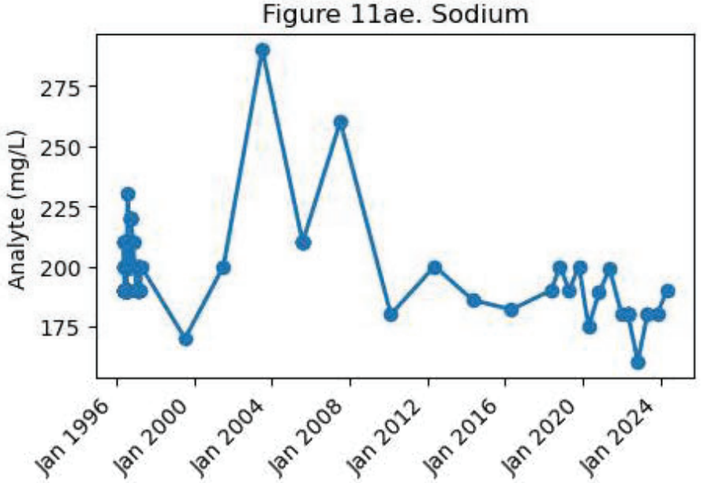

Figure 11af. Specific Conductance, Field

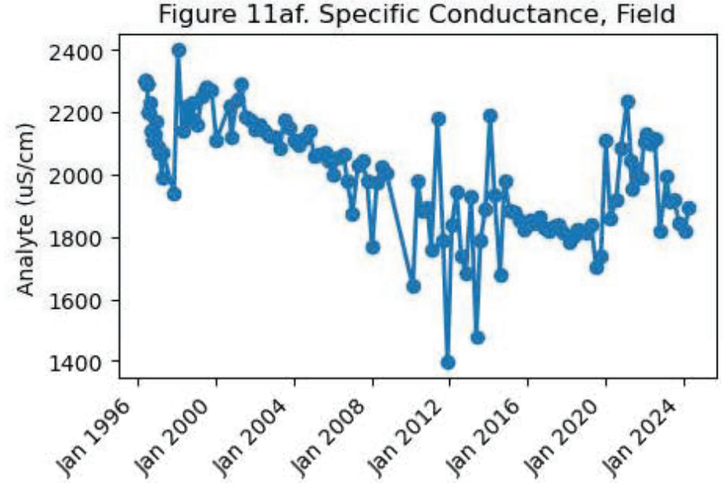

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Figure 11ag. Sulfate

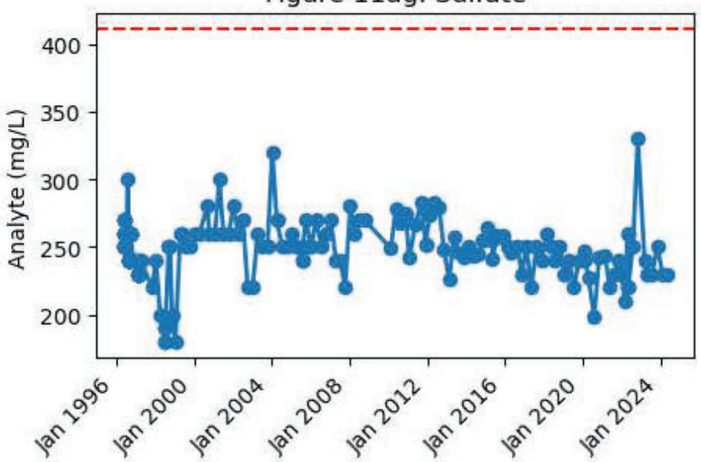


Figure 11ah. Temperature, Field

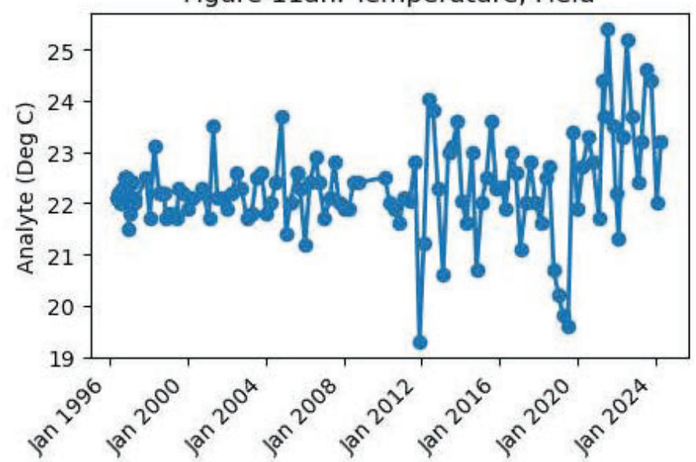


Figure 11ai. Thallium

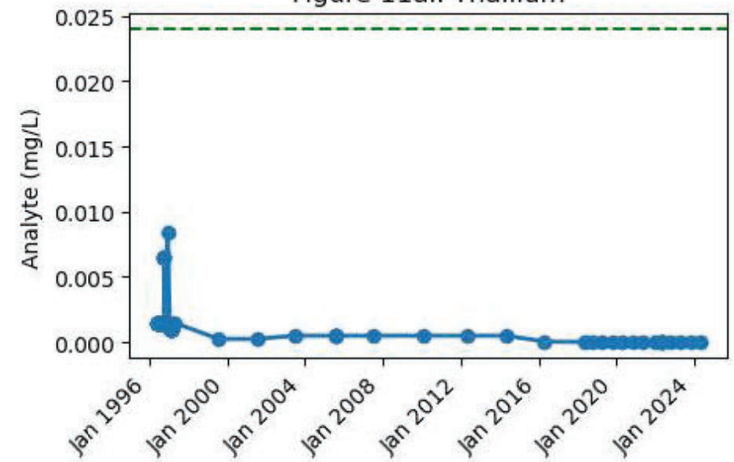


Figure 11aj. Toluene

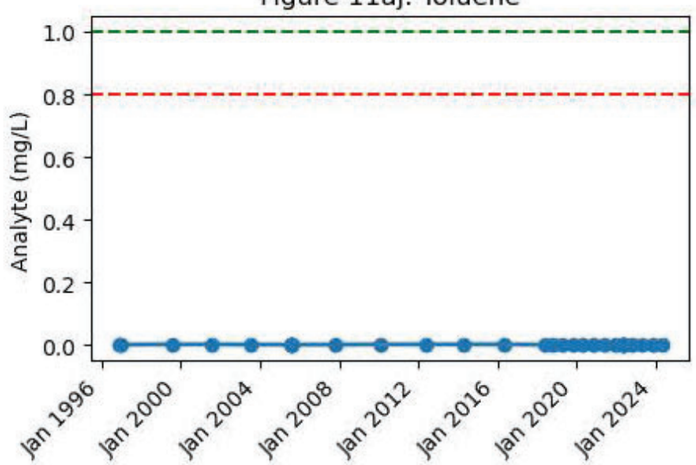


Figure 11ak. Total Dissolved Solids (TDS)

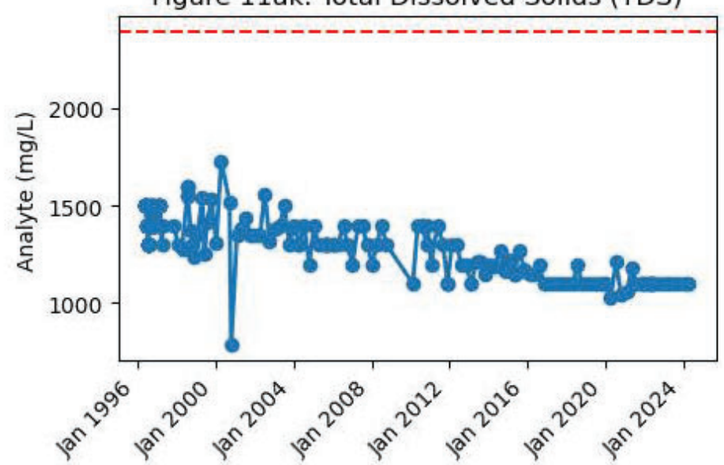


Figure 11al. Total Petroleum Hydrocarbons (C10-C22) Diesel

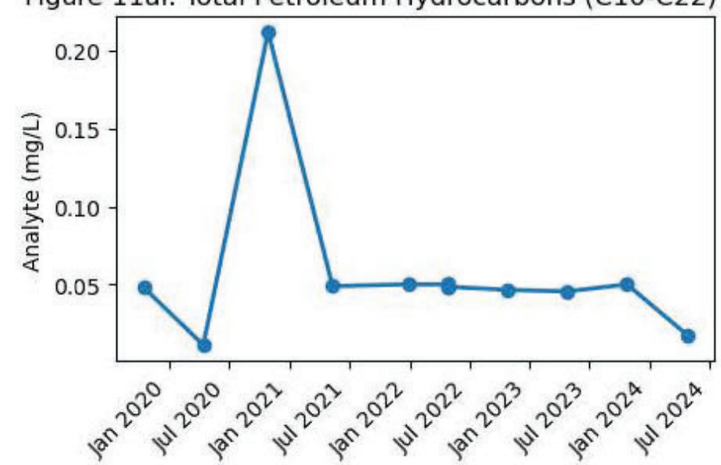


Figure 11am. Turbidity, Field

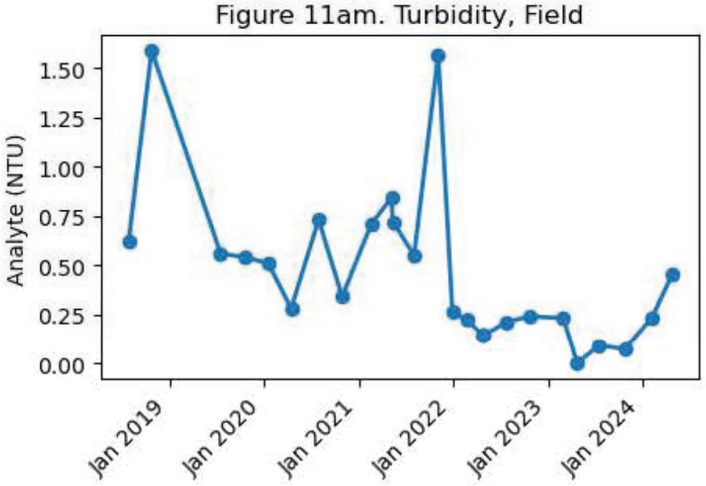
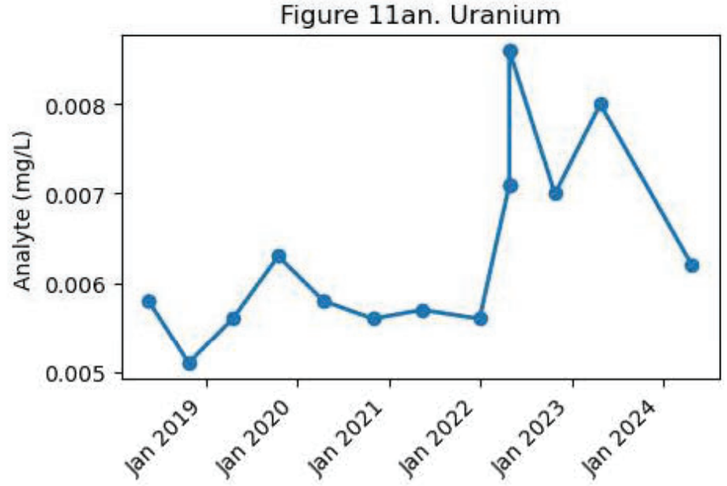


Figure 11an. Uranium



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M23-UBF Quarterly Analyte Graphs

Figure 11ao. Xylene (Total)

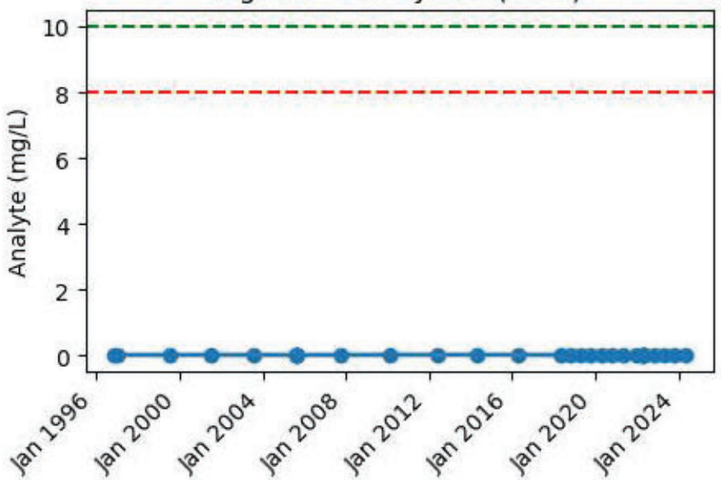


Figure 11ap. Zinc

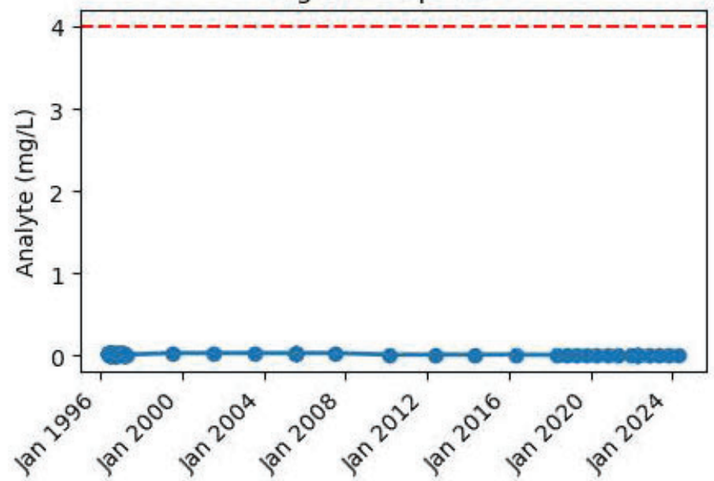


Figure 11aq. Total Uranium Isotopes

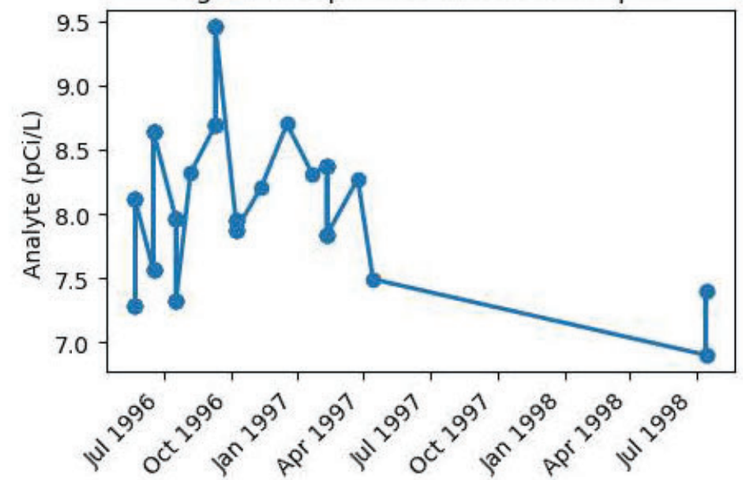
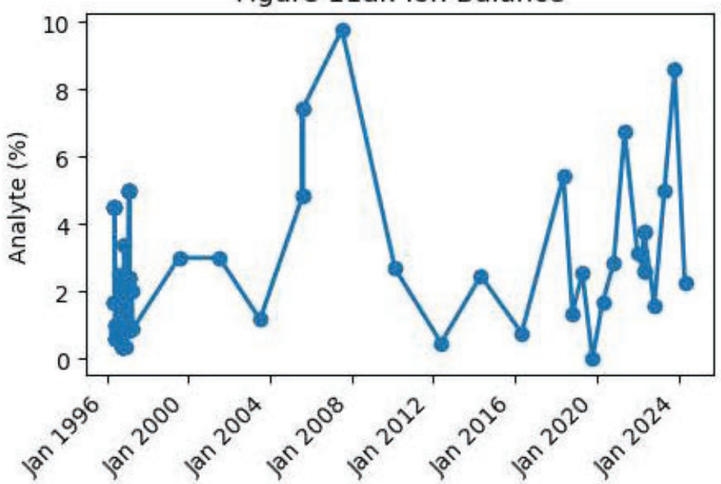


Figure 11ar. Ion Balance



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M24-O Quarterly Analyte Graphs

Figure 12a. Alkalinity, Bicarbonate

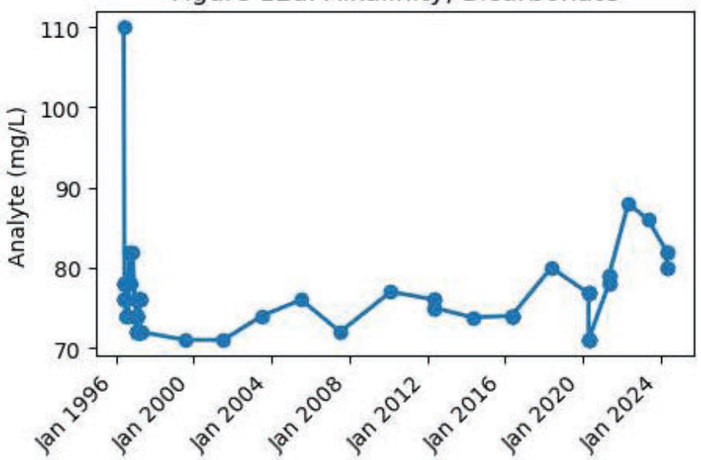


Figure 12b. Alkalinity, Carbonate

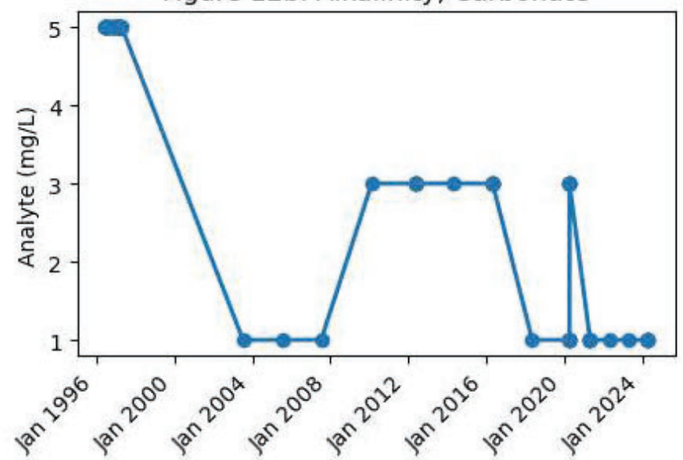


Figure 12c. Alkalinity, Hydroxide

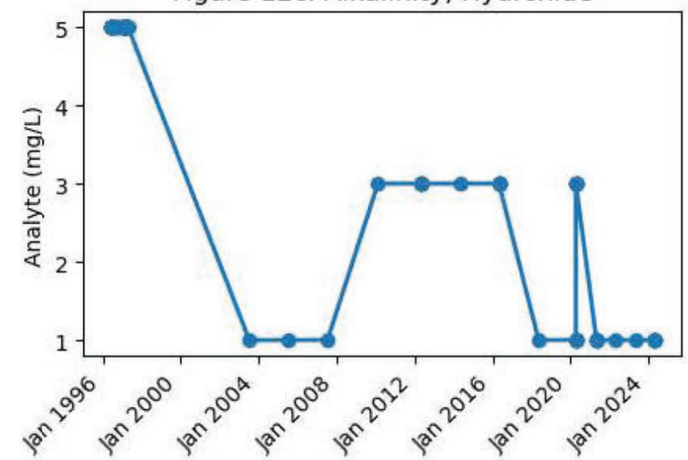


Figure 12d. Alkalinity, Total (as CaCO3)

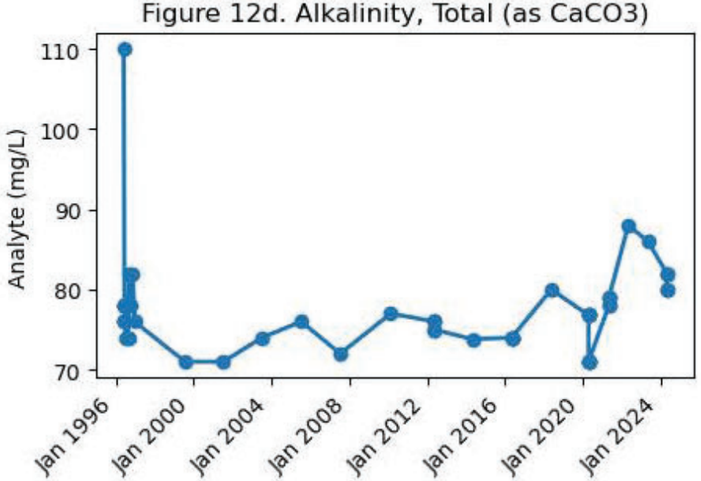


Figure 12e. Aluminum

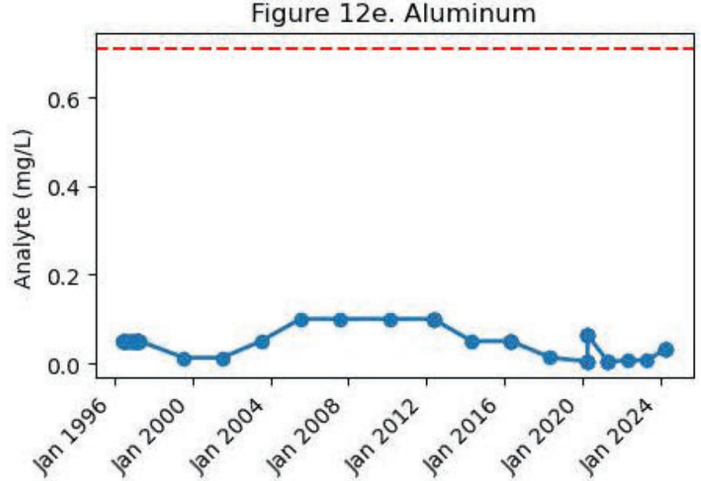


Figure 12f. Antimony

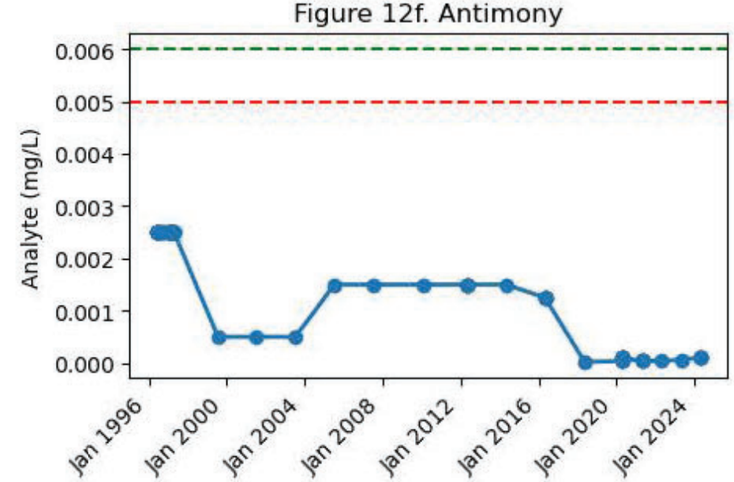


Figure 12g. Arsenic

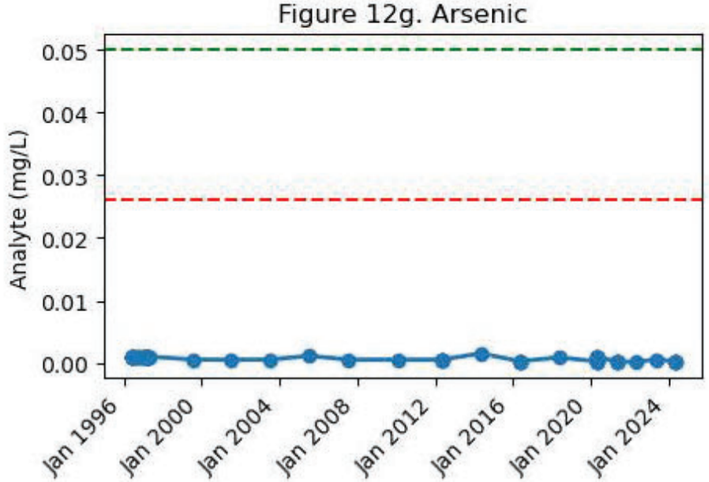
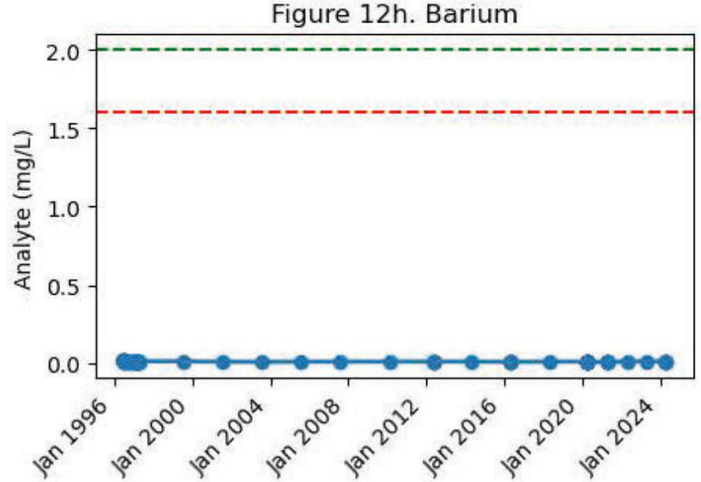


Figure 12h. Barium



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M24-O Quarterly Analyte Graphs

Figure 12i. Benzene

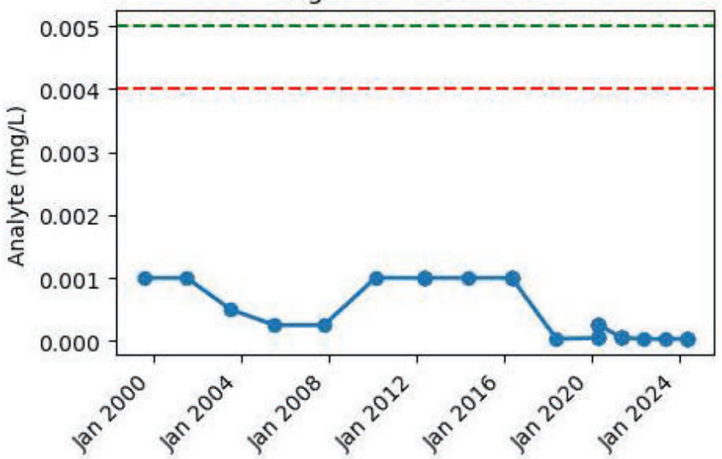

Figure 12j. Beryllium

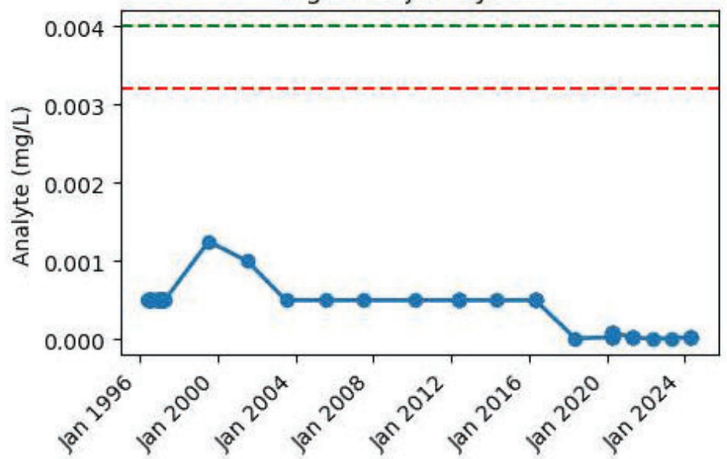

Figure 12k. Cadmium

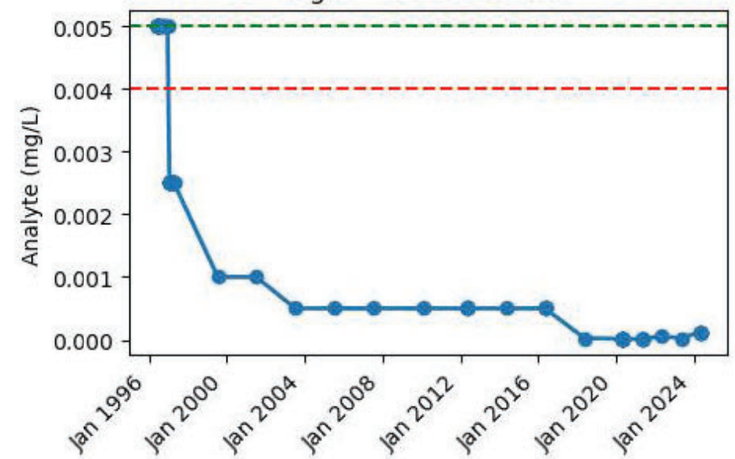

Figure 12l. Calcium

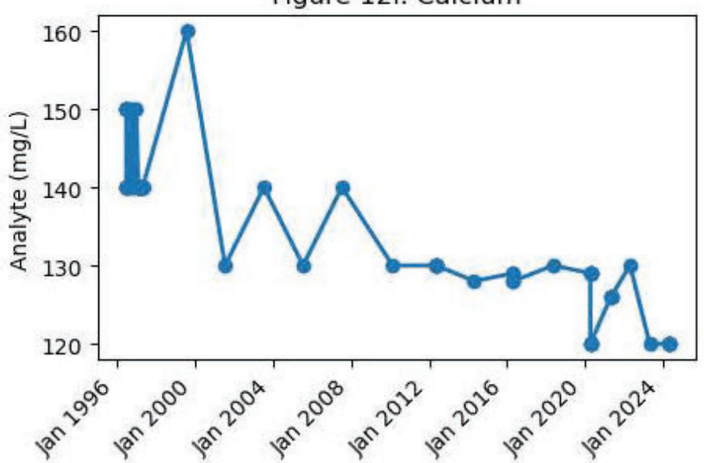

Figure 12m. Chloride

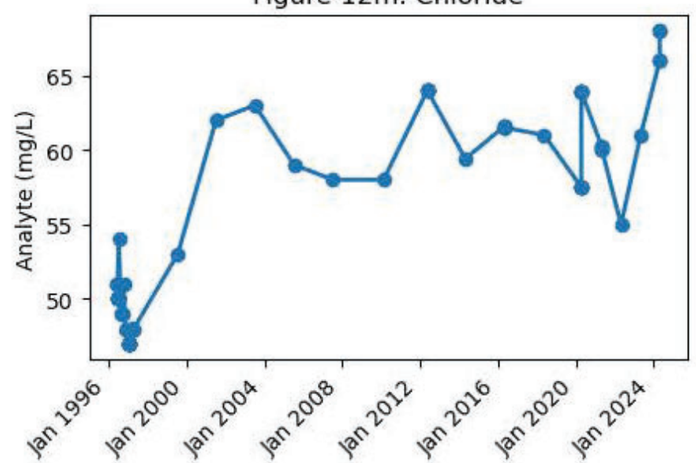

Figure 12n. Chromium

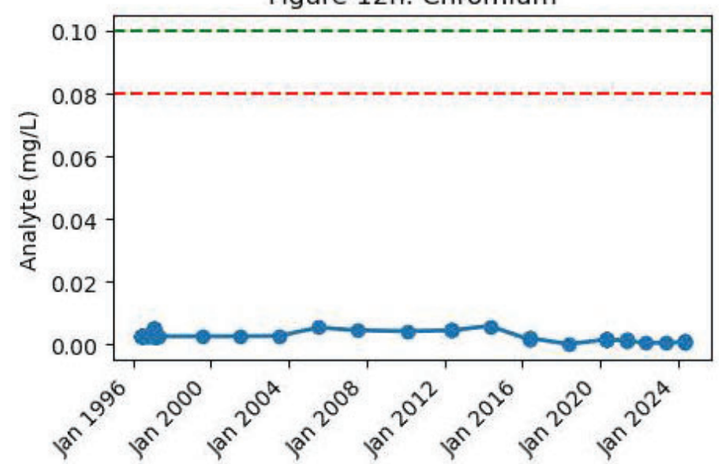

Figure 12o. Cobalt

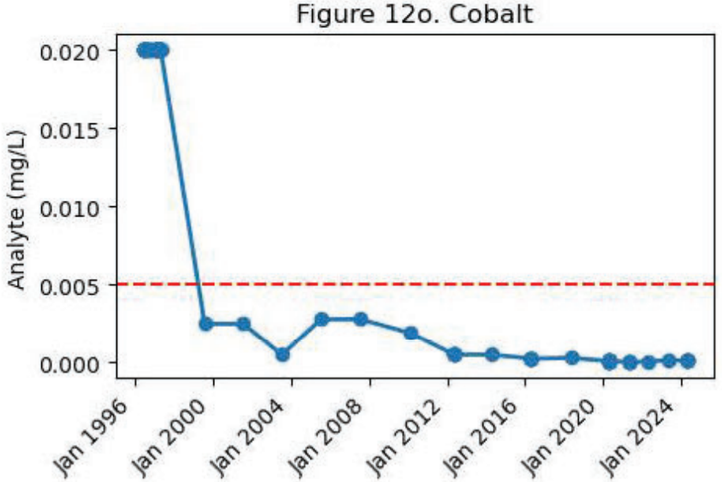

Figure 12p. Copper

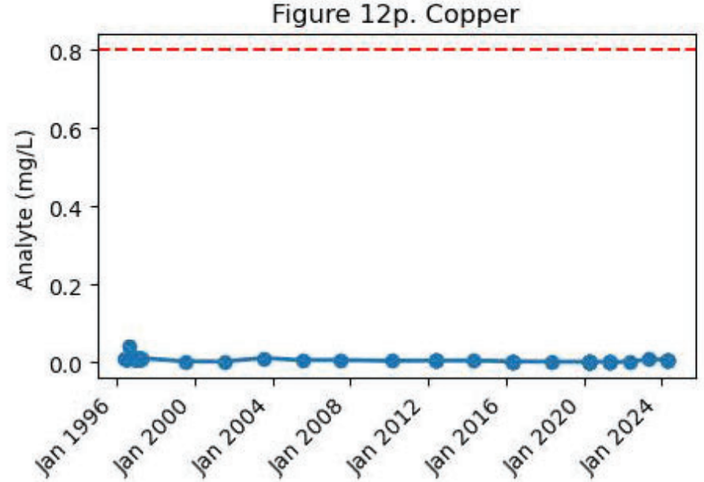

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Figure 12q. Ethylbenzene

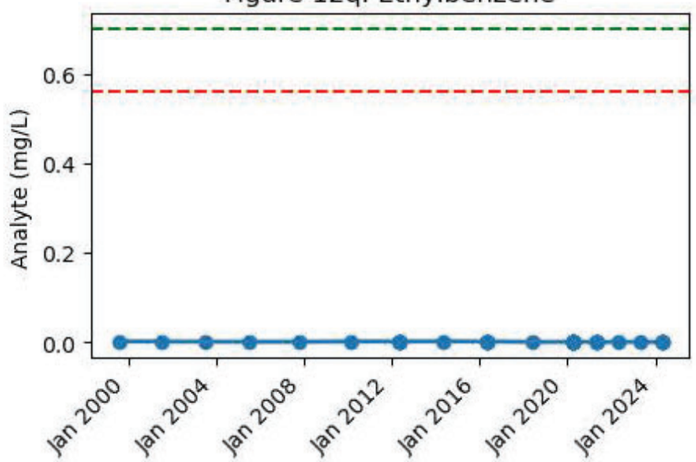

Figure 12r. Fluoride

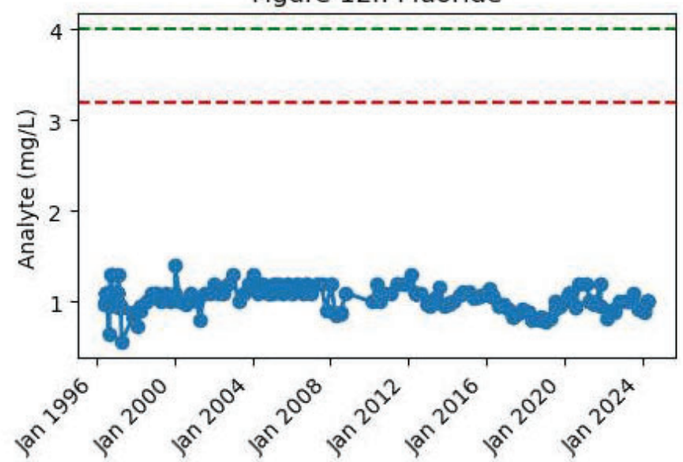

Figure 12s. Gross Alpha Analytes

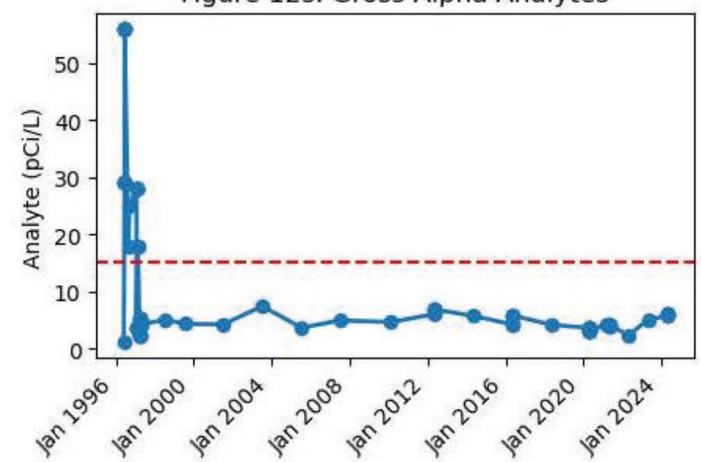

Figure 12t. Iron

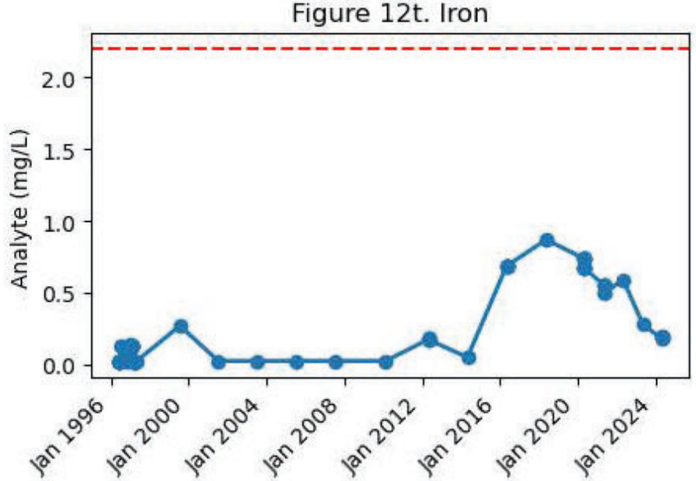

Figure 12u. Lead

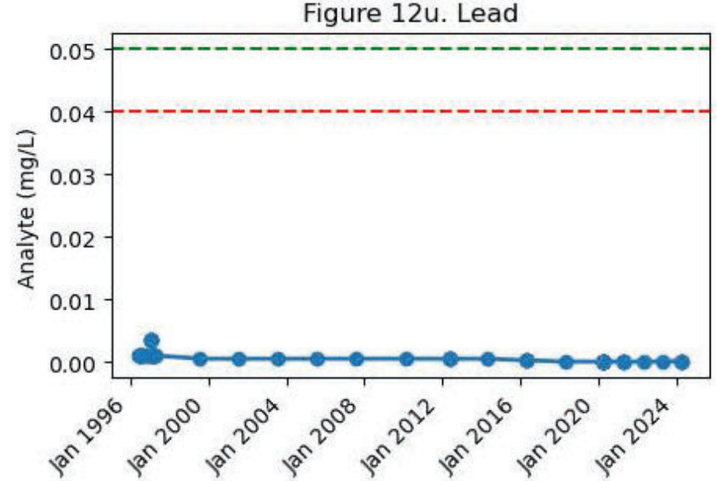

Figure 12v. Magnesium

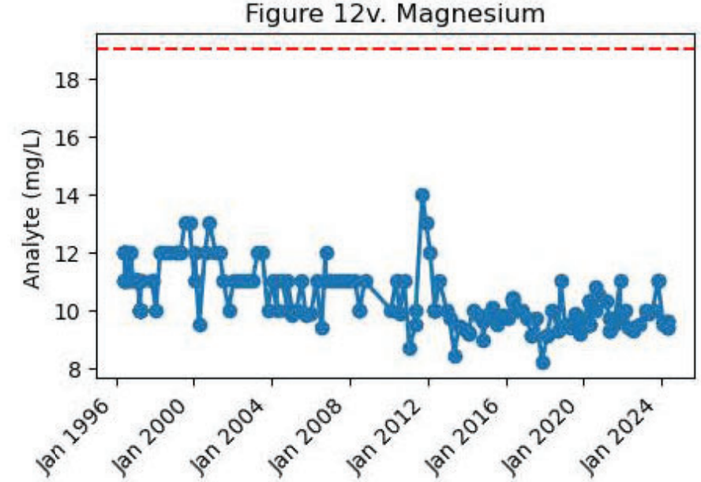

Figure 12w. Manganese

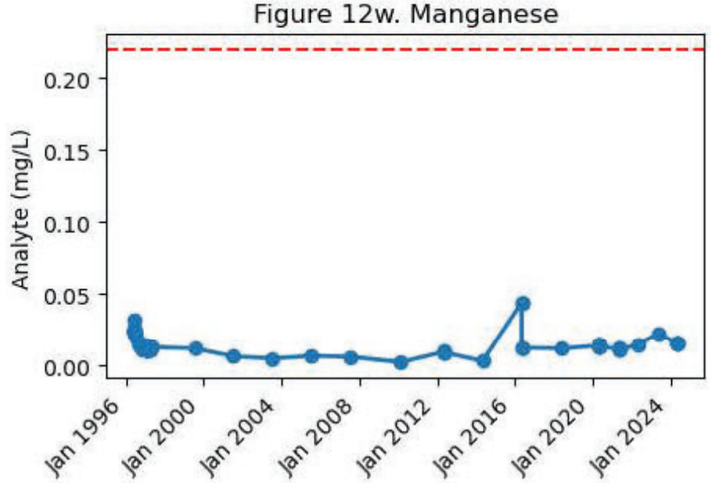

Figure 12x. Mercury

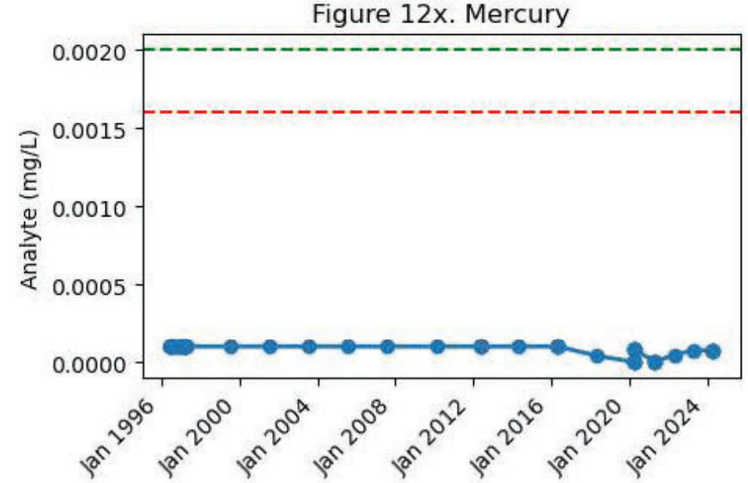

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Figure 12y. Nickel

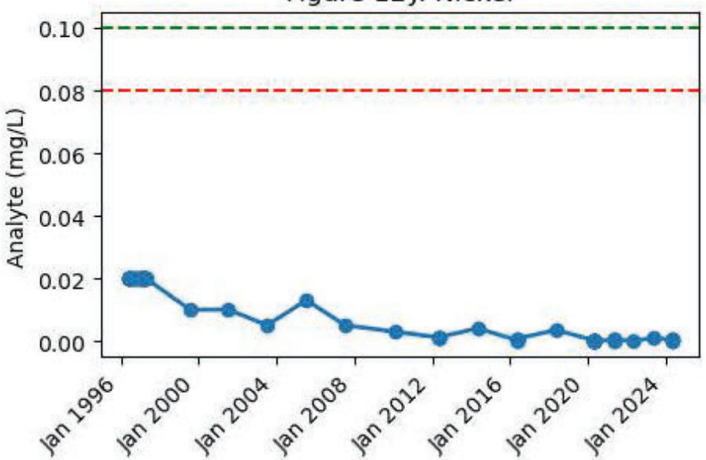

Figure 12z. Nitrate (as N)

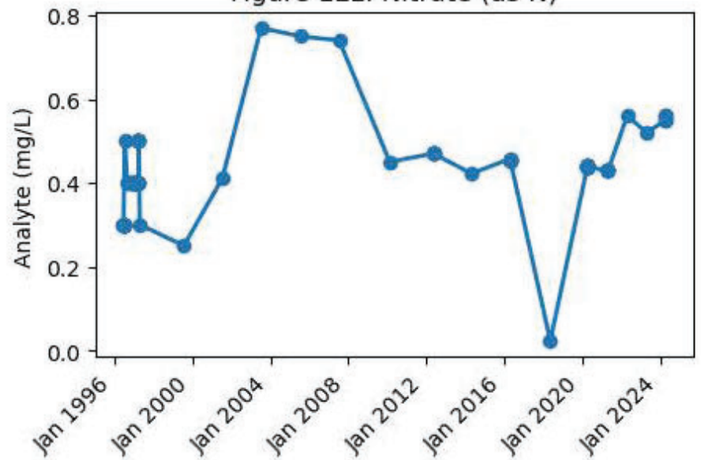

Figure 12aa. pH, Field

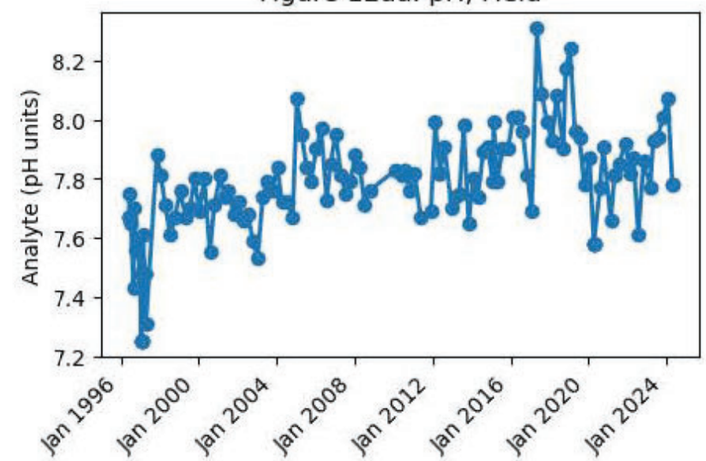

Figure 12ab. Potassium

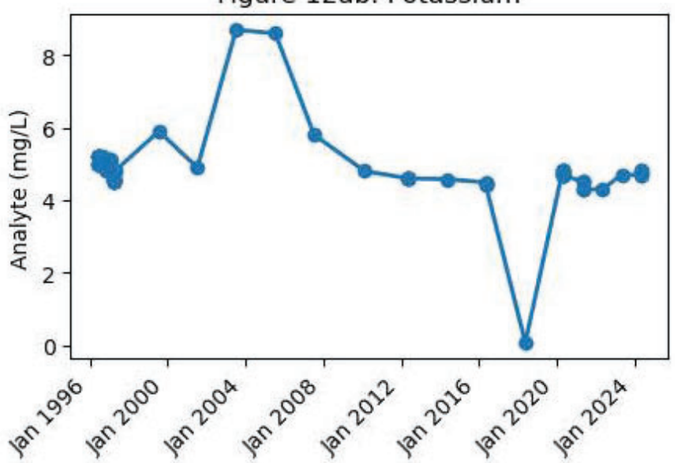

Figure 12ac. Radium-226 & 228

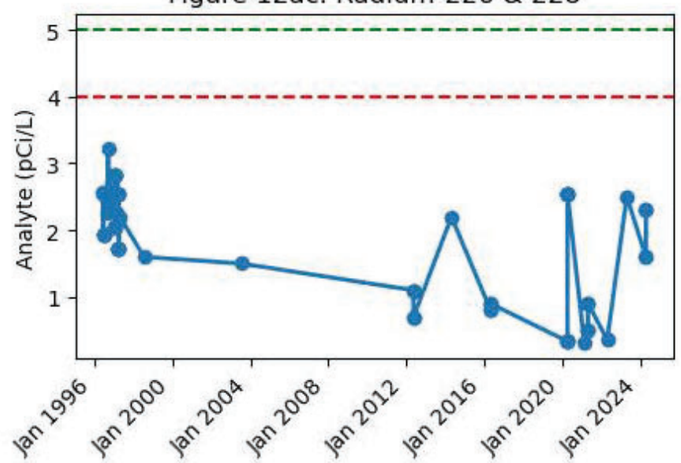

Figure 12ad. Selenium

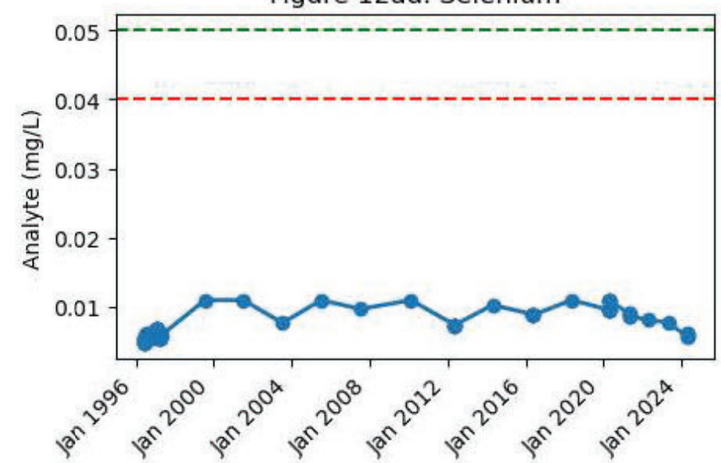

Figure 12ae. Sodium

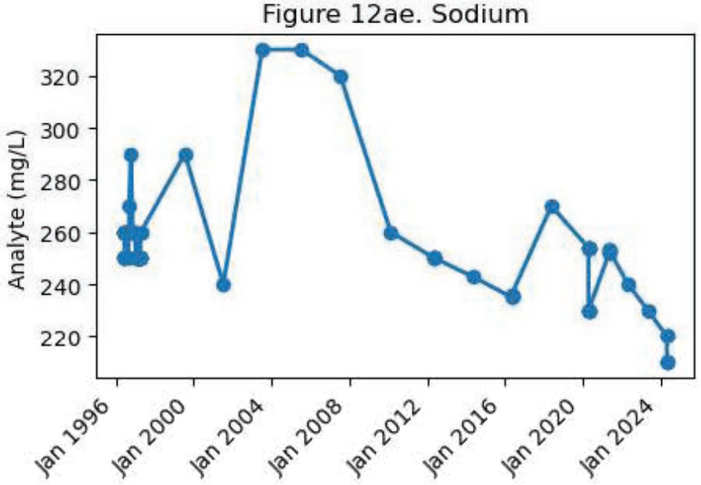

Figure 12af. Specific Conductance, Field

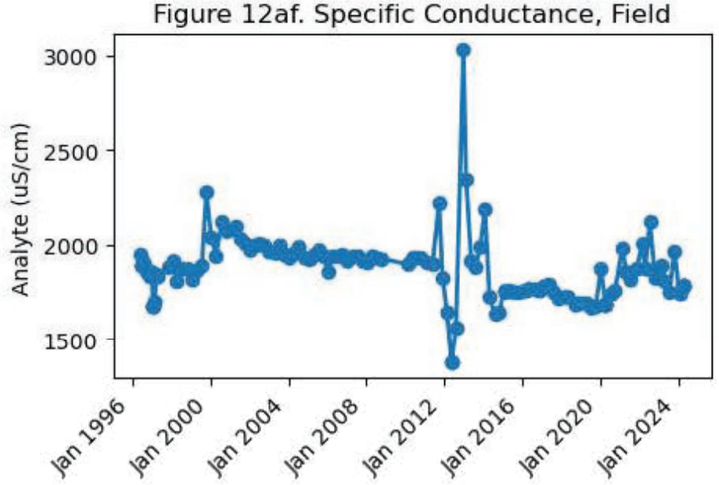

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Figure 12ag. Sulfate

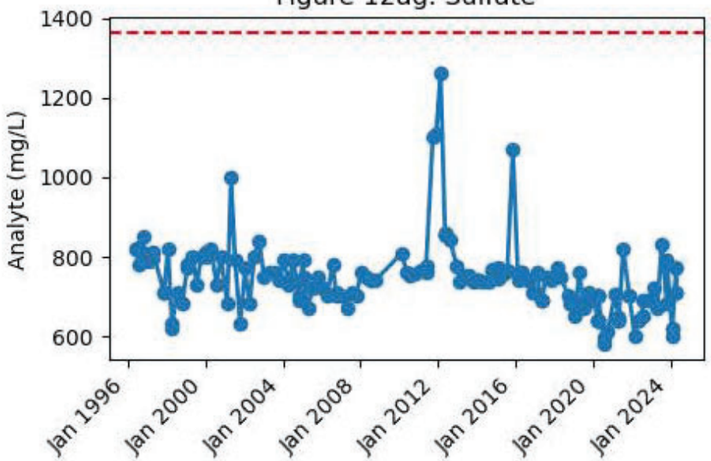


Figure 12ah. Temperature, Field

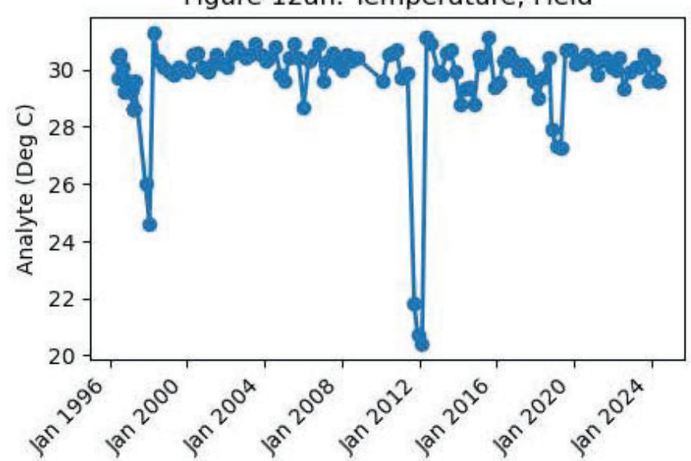


Figure 12ai. Thallium

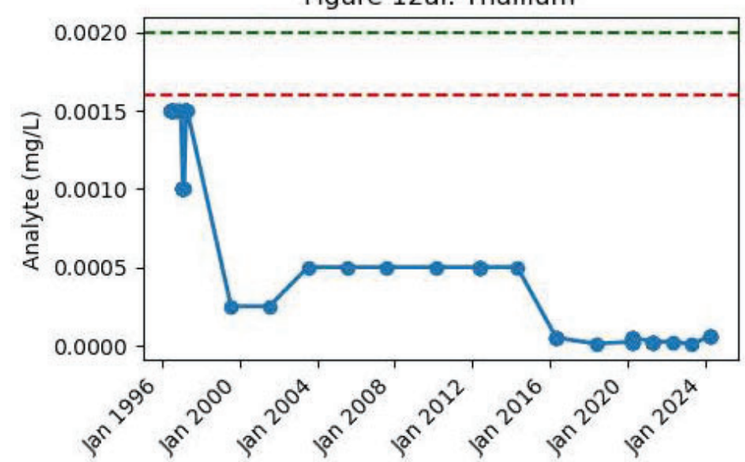


Figure 12aj. Toluene

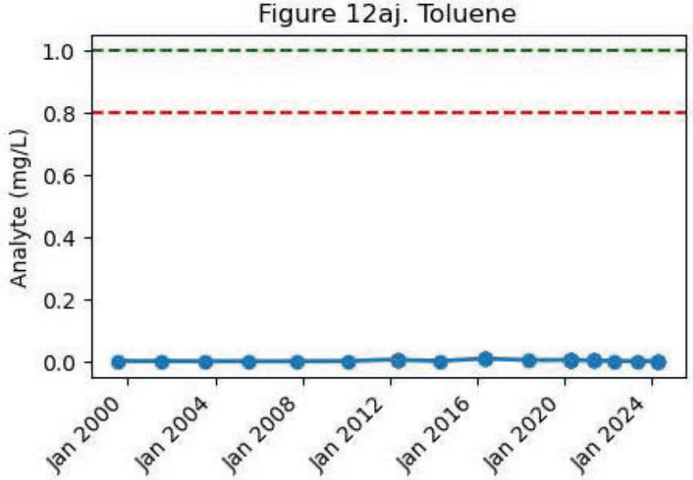


Figure 12ak. Total Dissolved Solids (TDS)

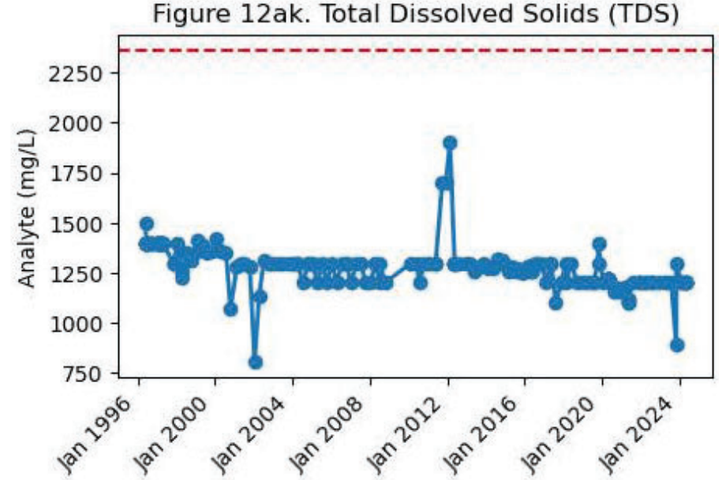


Figure 12al. Total Petroleum Hydrocarbons (C10-C22) Diesel

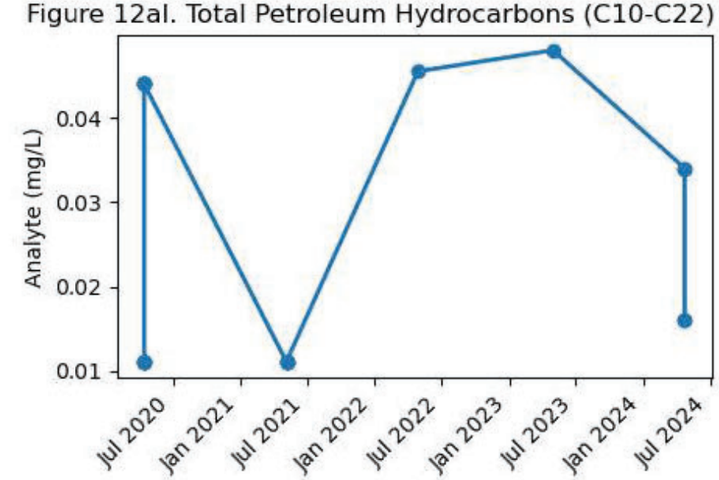


Figure 12am. Turbidity, Field

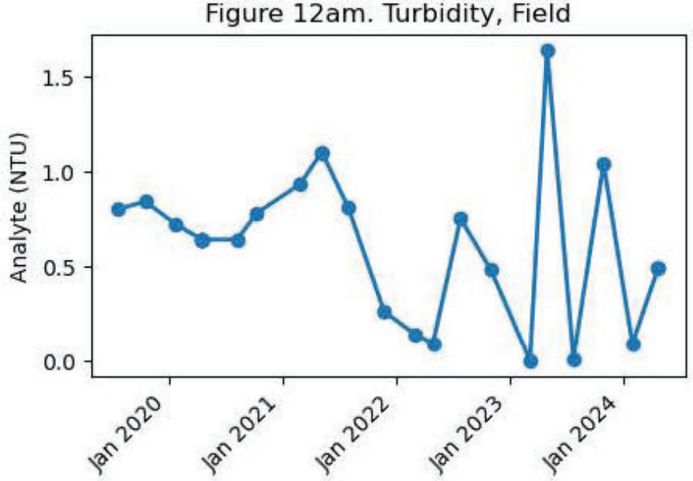
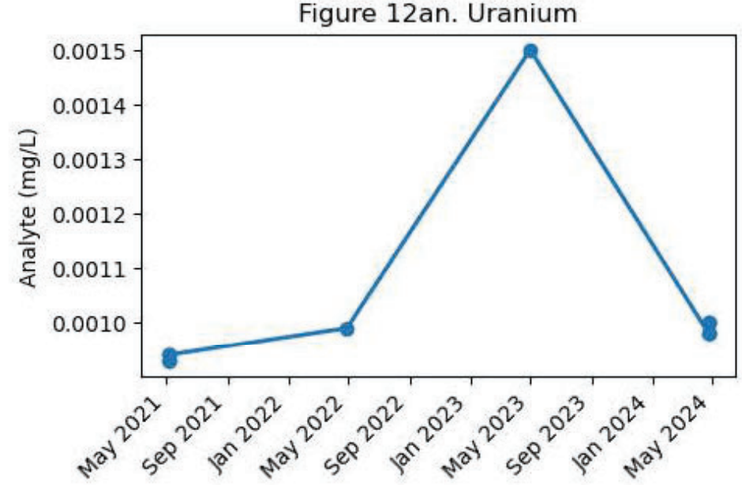


Figure 12an. Uranium



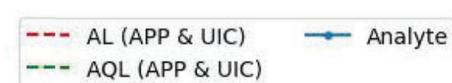


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Figure 12ao. Xylene (Total)

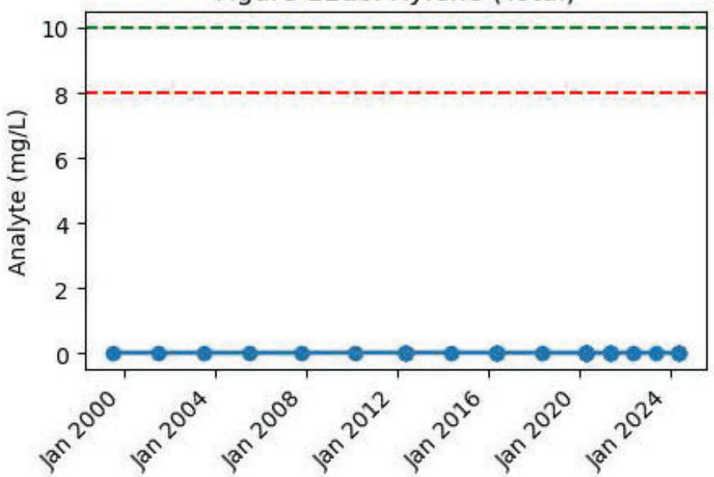

Figure 12ap. Zinc

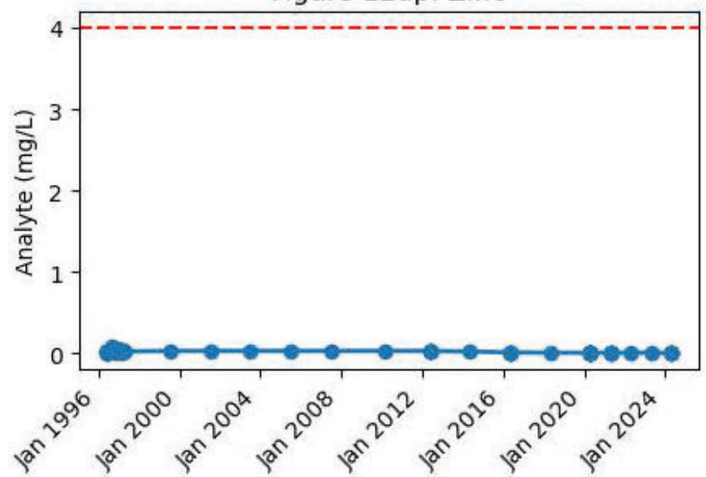

Figure 12aq. Total Uranium Isotopes

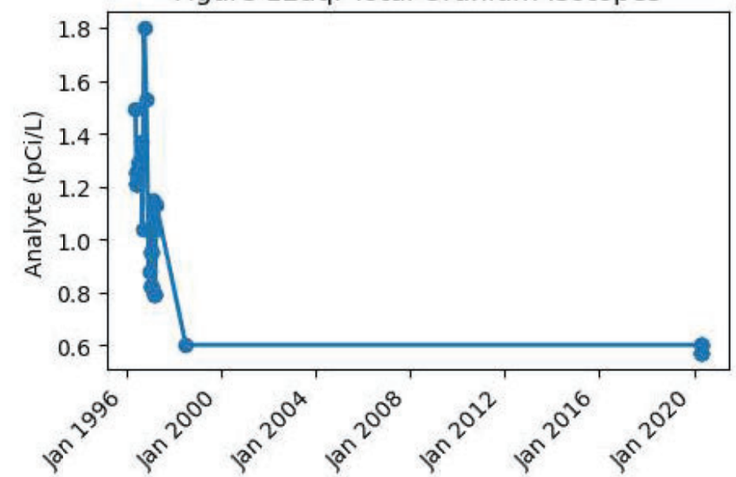

Figure 12ar. Ion Balance

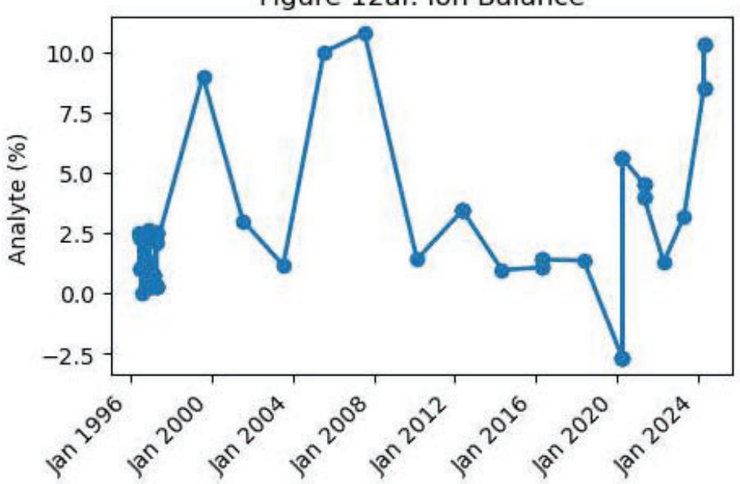

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Figure 13a. Alkalinity, Bicarbonate

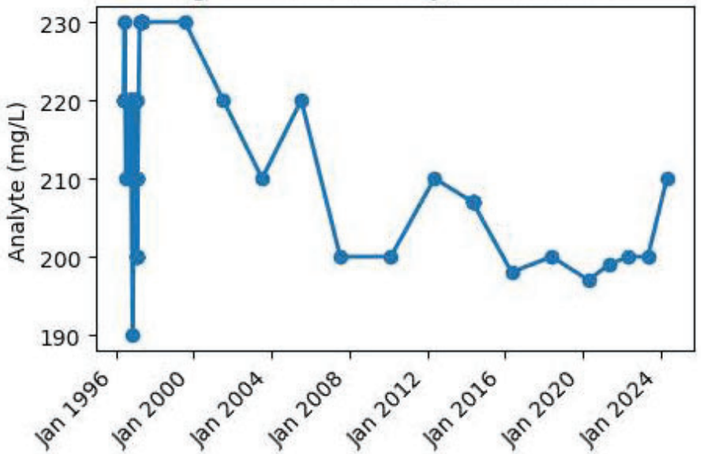


Figure 13b. Alkalinity, Carbonate

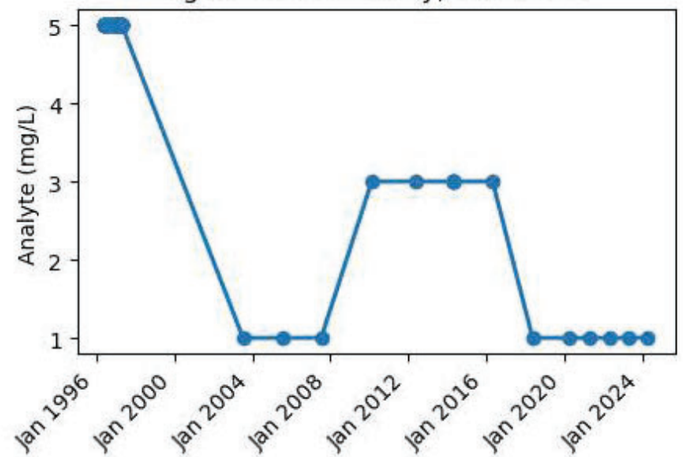


Figure 13c. Alkalinity, Hydroxide

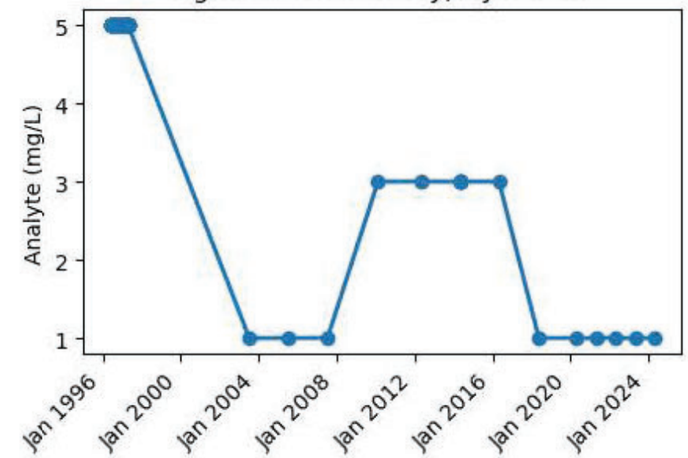


Figure 13d. Alkalinity, Total (as CaCO3)

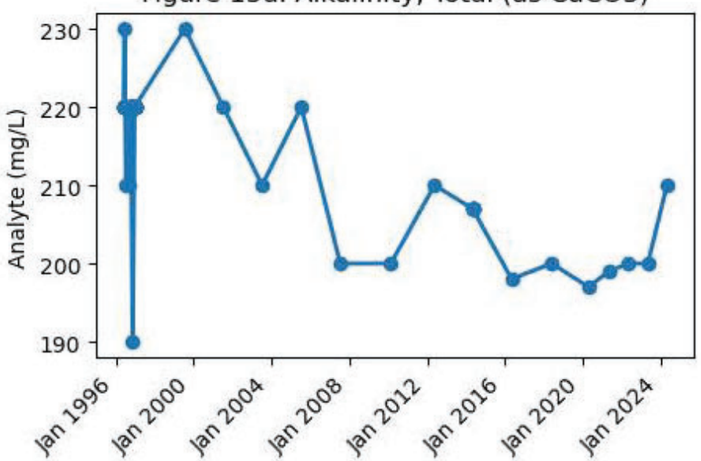


Figure 13e. Aluminum

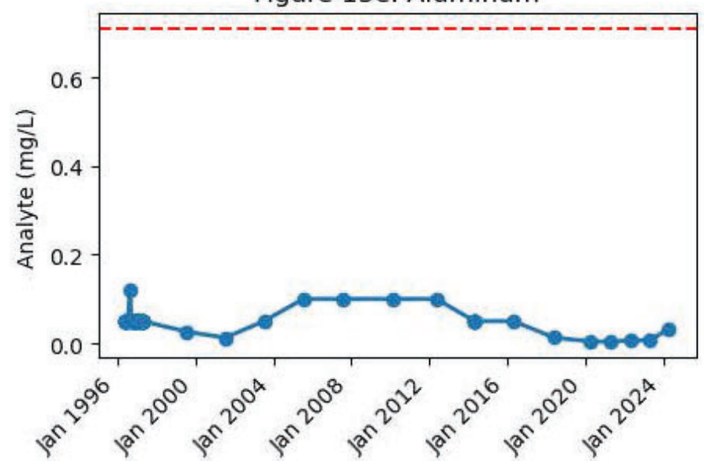


Figure 13f. Antimony

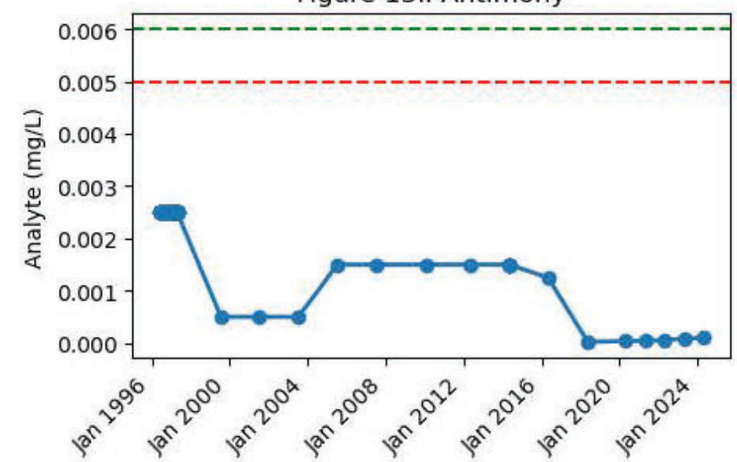


Figure 13g. Arsenic

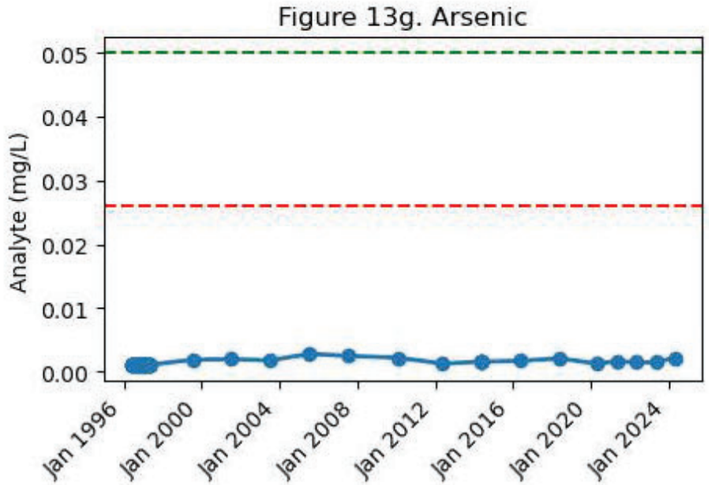
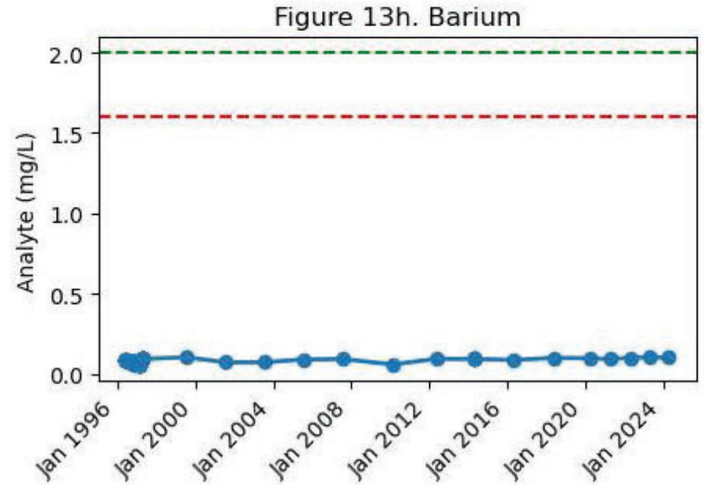


Figure 13h. Barium



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M25-UBF Quarterly Analyte Graphs

Figure 13i. Benzene

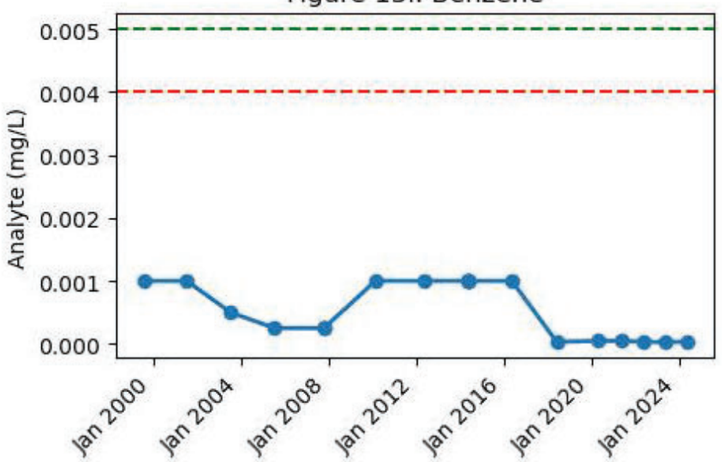

Figure 13j. Beryllium

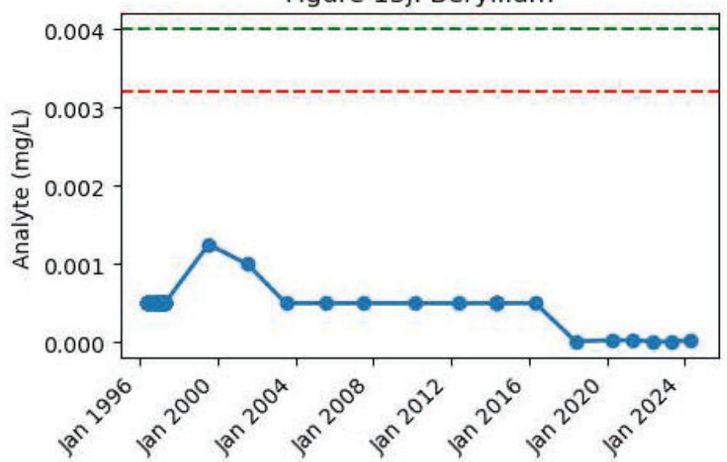

Figure 13k. Cadmium

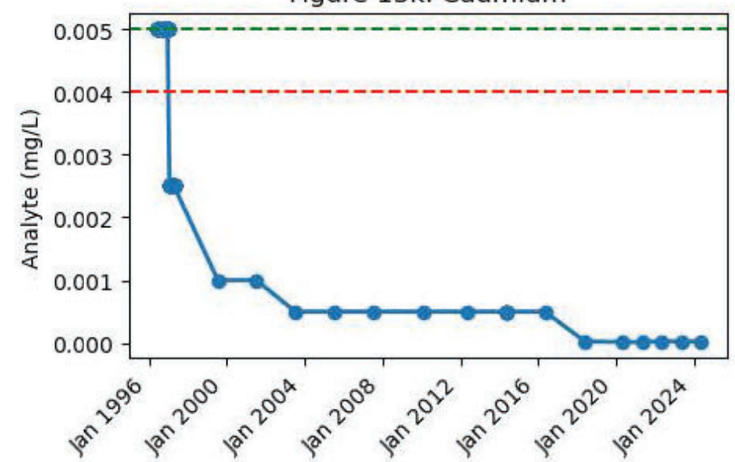

Figure 13l. Calcium

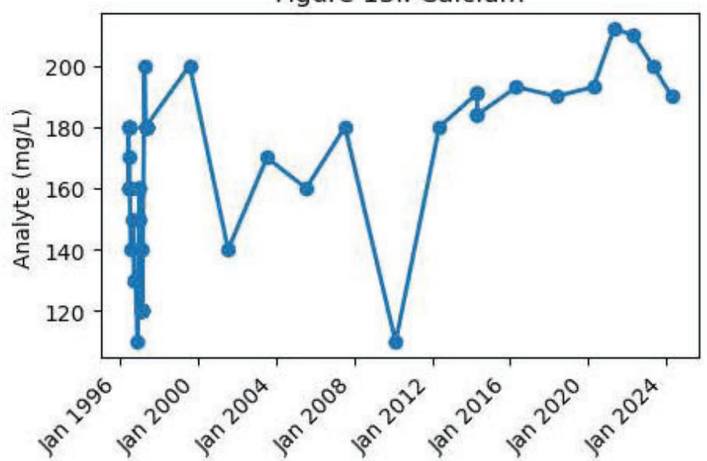

Figure 13m. Chloride

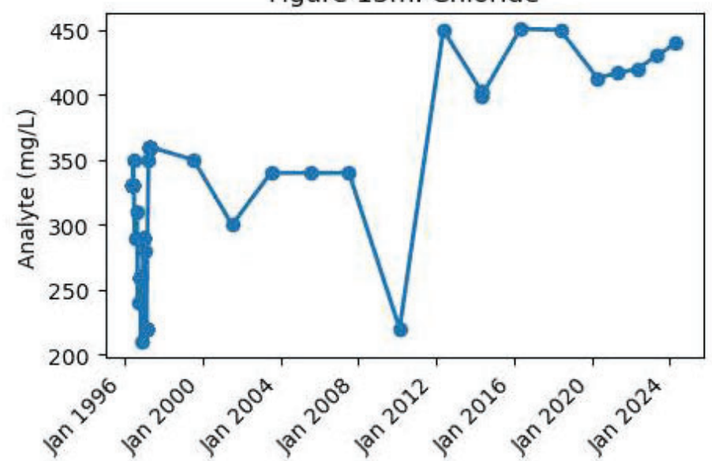

Figure 13n. Chromium

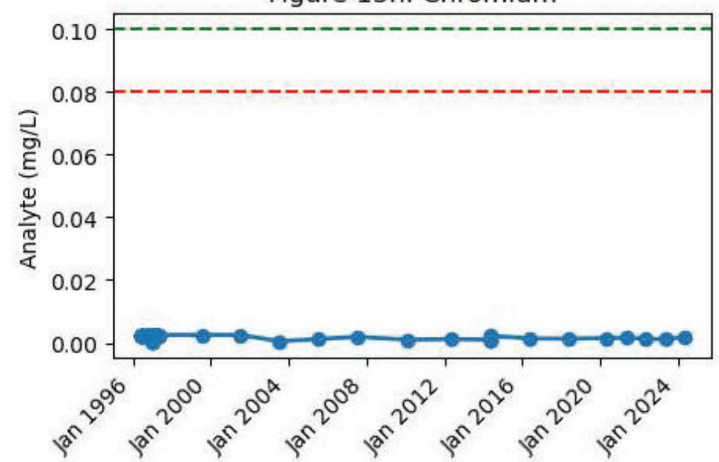

Figure 13o. Cobalt

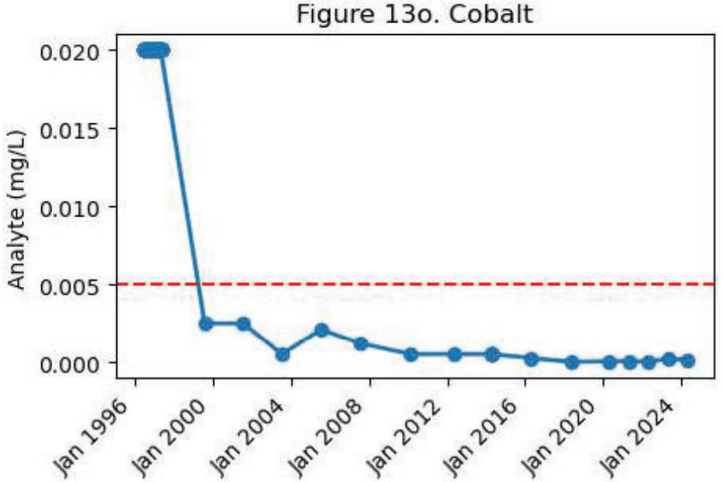

Figure 13p. Copper

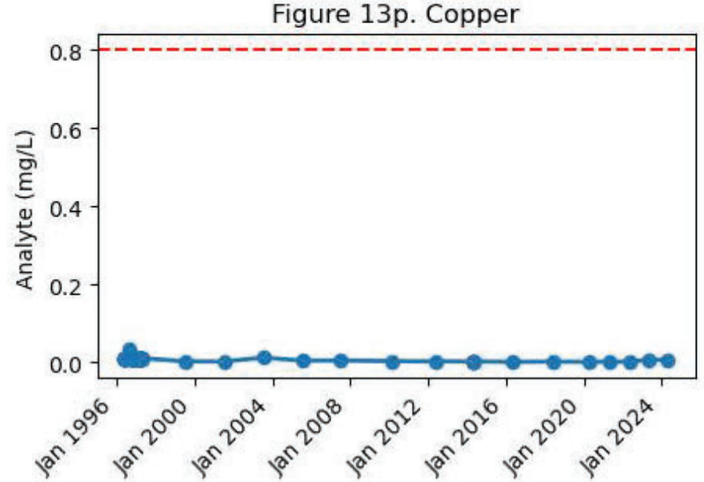

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Figure 13q. Ethylbenzene

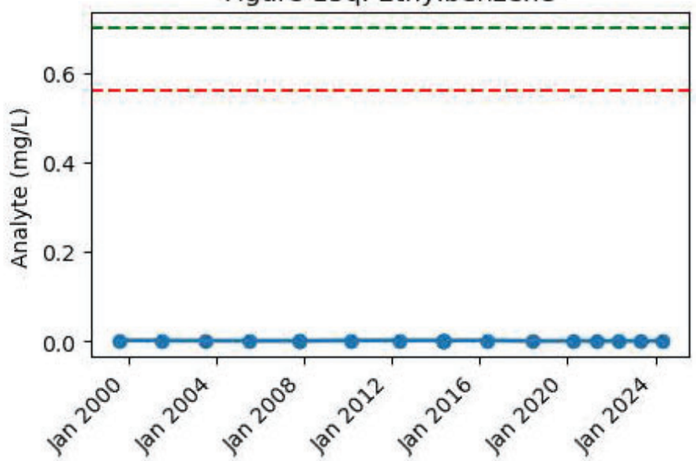

Figure 13r. Fluoride

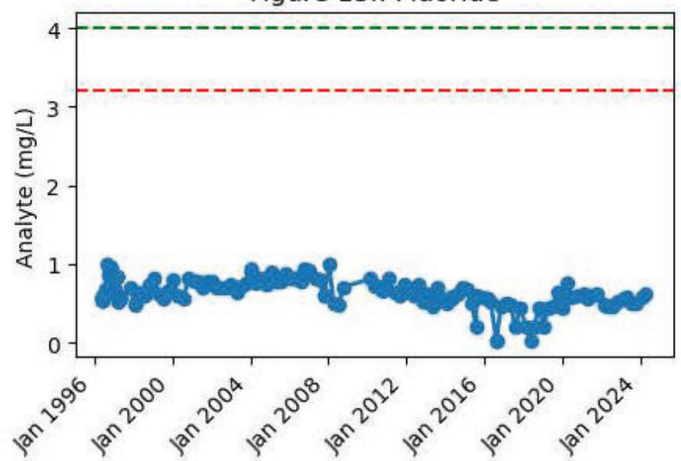

Figure 13s. Gross Alpha Analytes

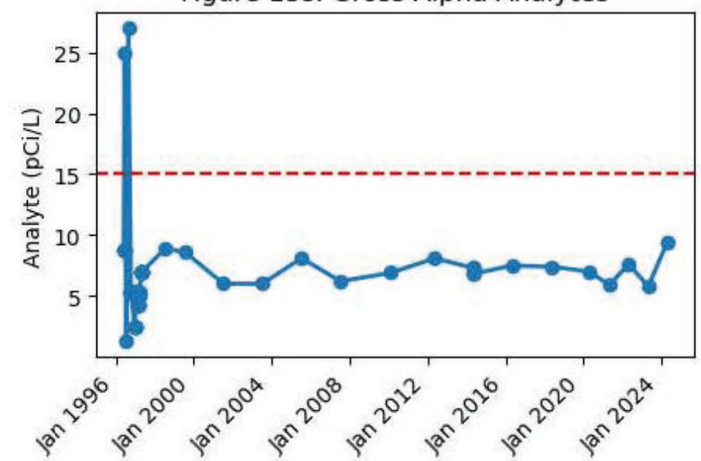

Figure 13t. Iron

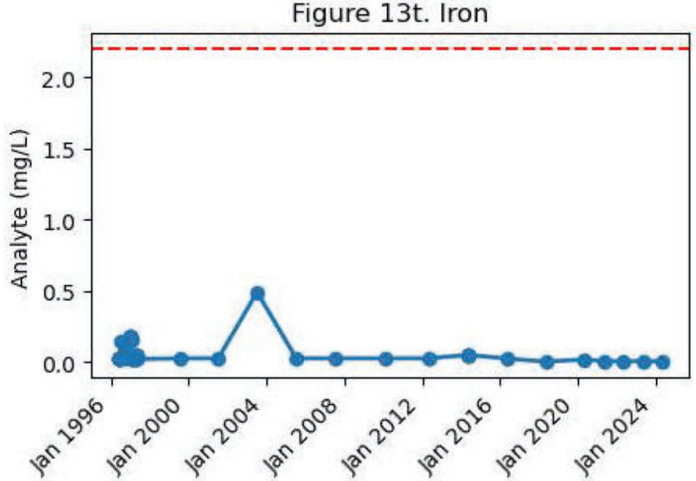

Figure 13u. Lead

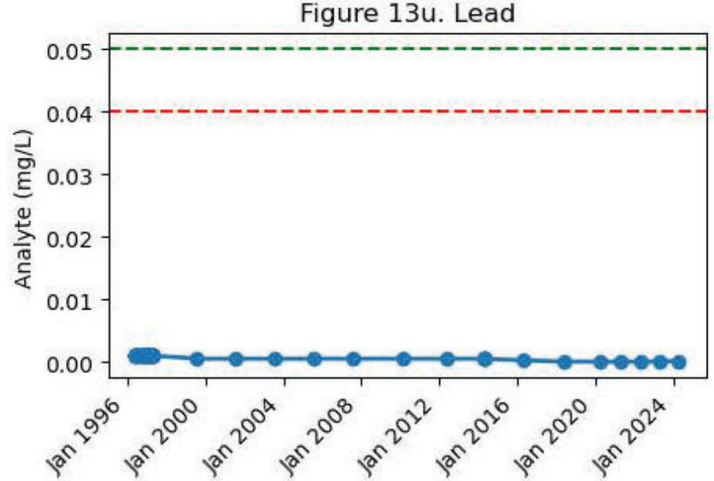

Figure 13v. Magnesium

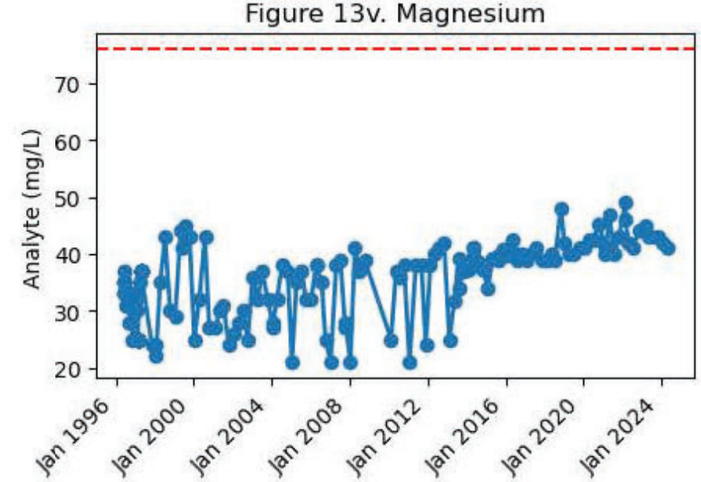

Figure 13w. Manganese

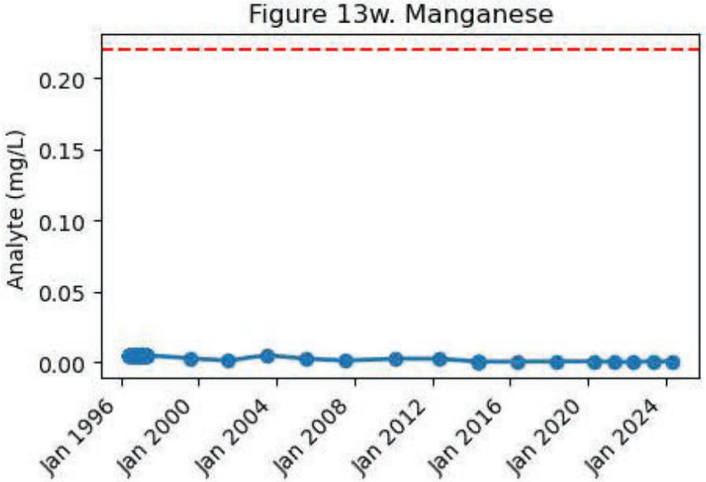

Figure 13x. Mercury

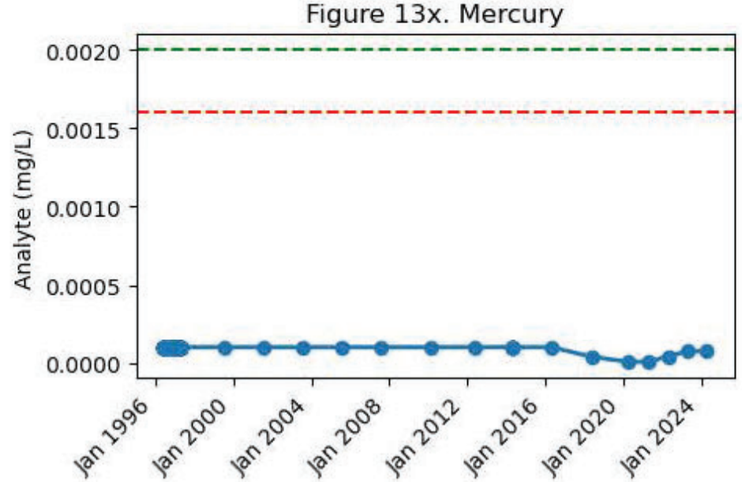

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Figure 13y. Nickel

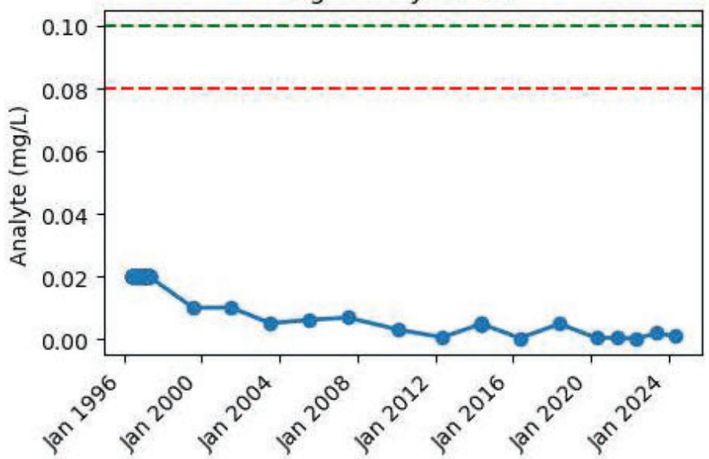

Figure 13z. Nitrate (as N)

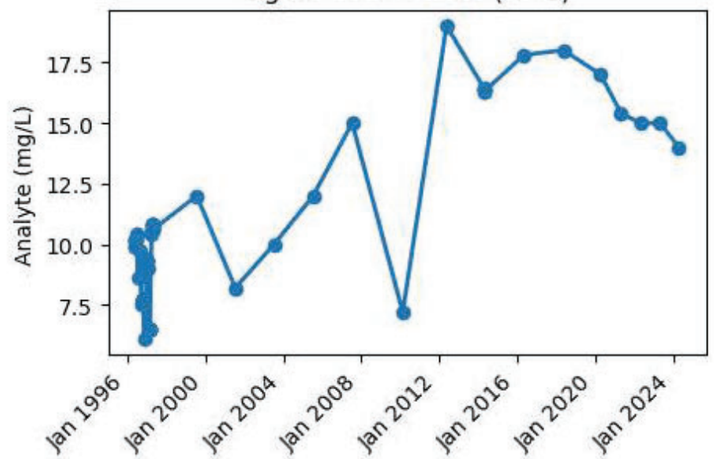

Figure 13aa. pH, Field

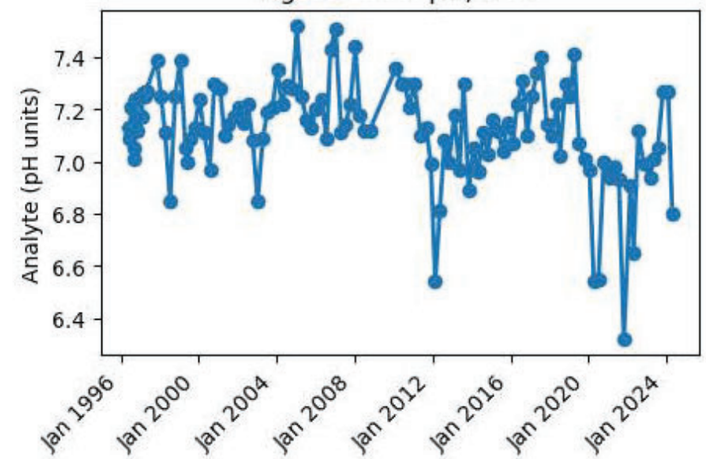

Figure 13ab. Potassium

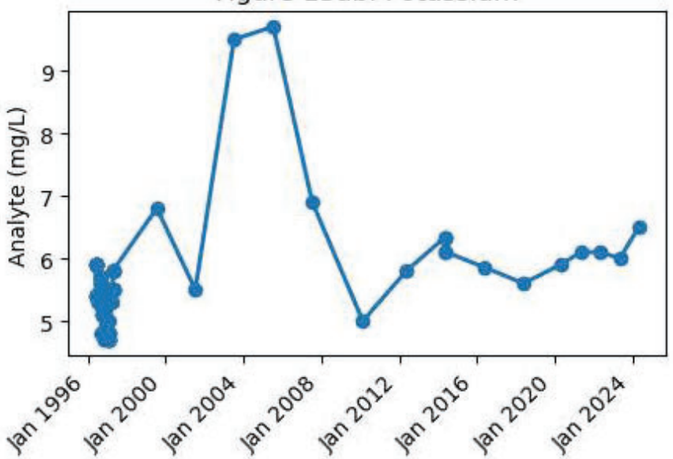

Figure 13ac. Radium-226 & 228

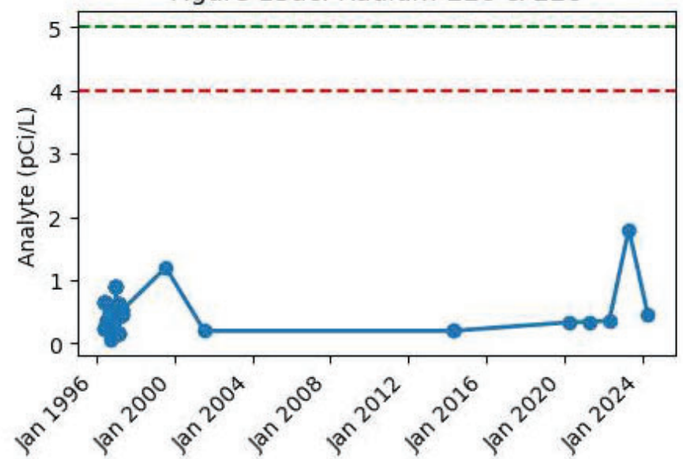

Figure 13ad. Selenium

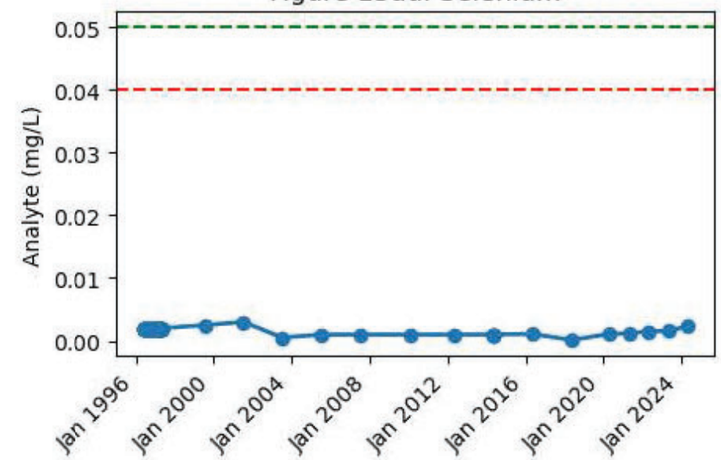

Figure 13ae. Sodium

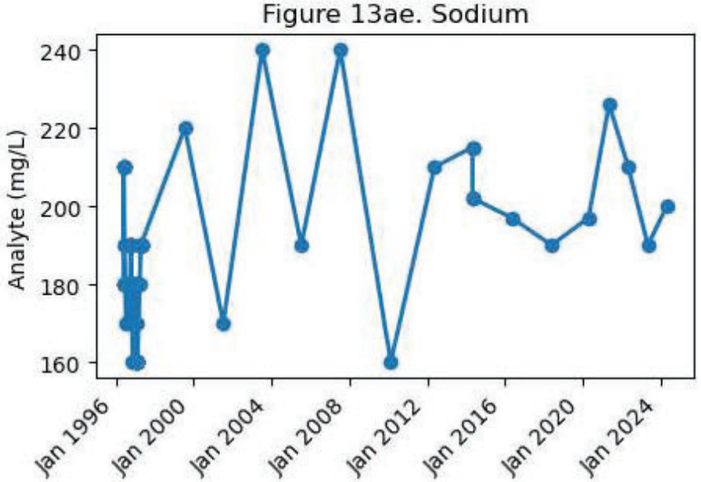

Figure 13af. Specific Conductance, Field

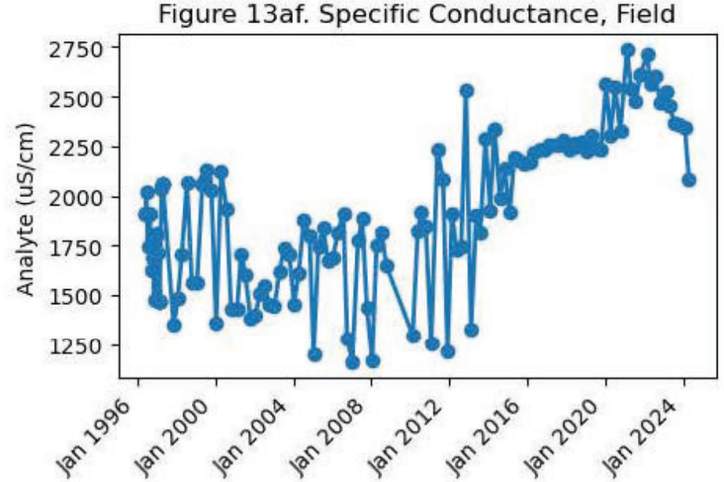

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Figure 13ag. Sulfate

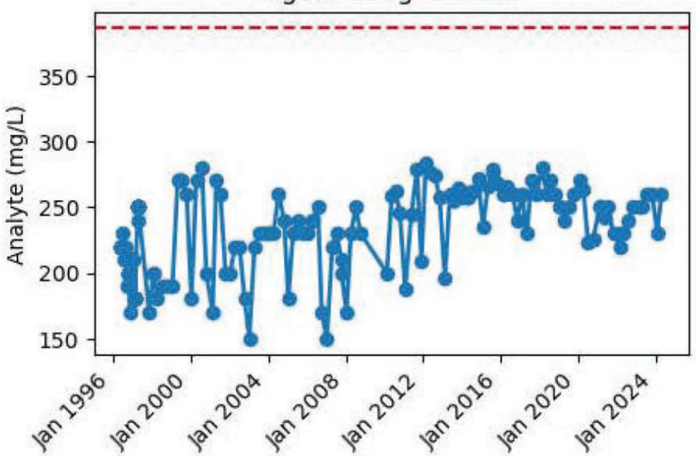


Figure 13ah. Temperature, Field

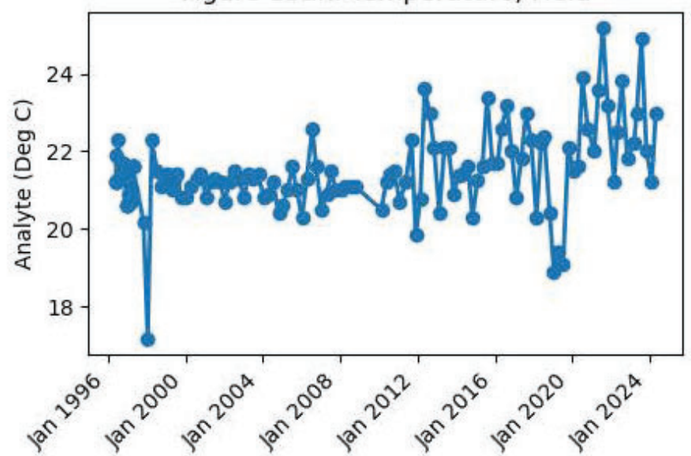


Figure 13ai. Thallium

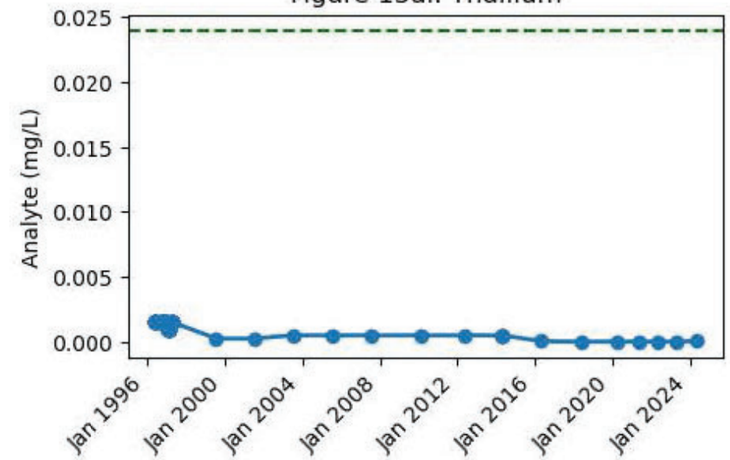


Figure 13aj. Toluene

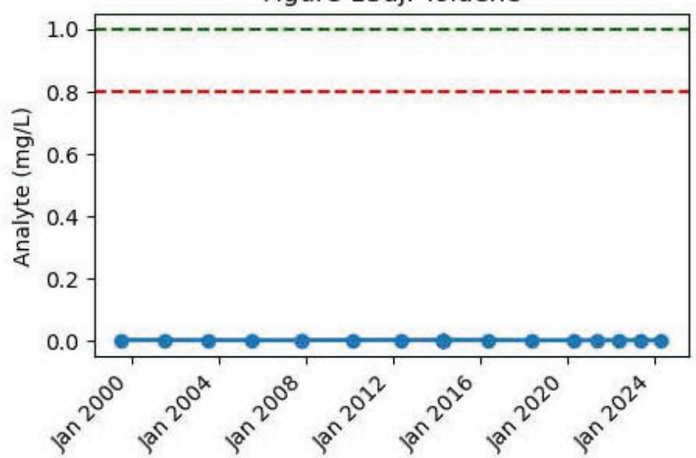


Figure 13ak. Total Dissolved Solids (TDS)

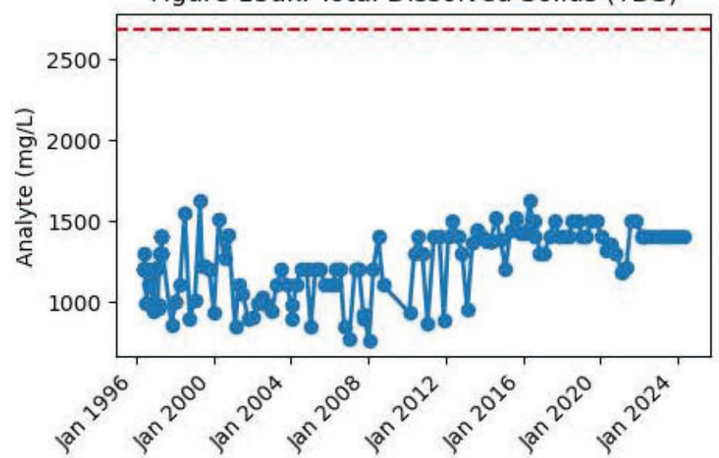


Figure 13al. Total Petroleum Hydrocarbons (C10-C22) Diesel

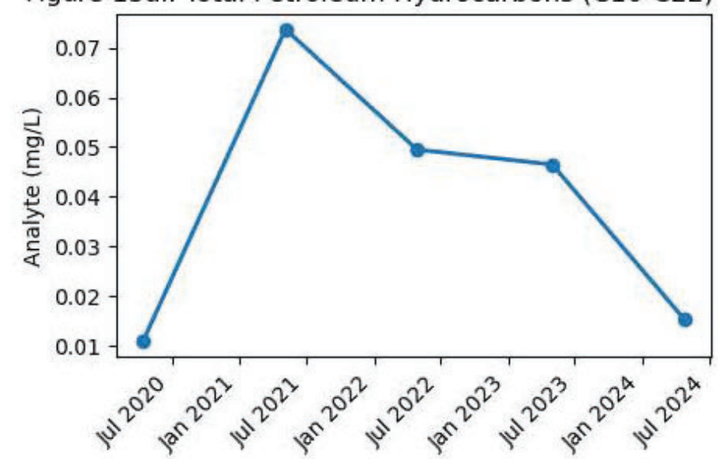


Figure 13am. Turbidity, Field

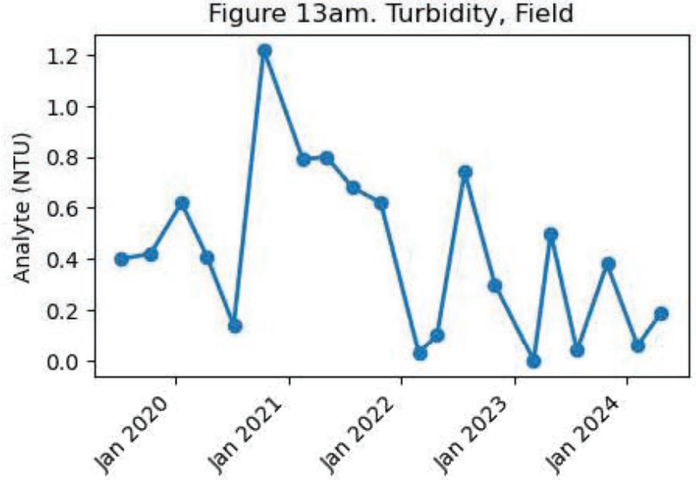
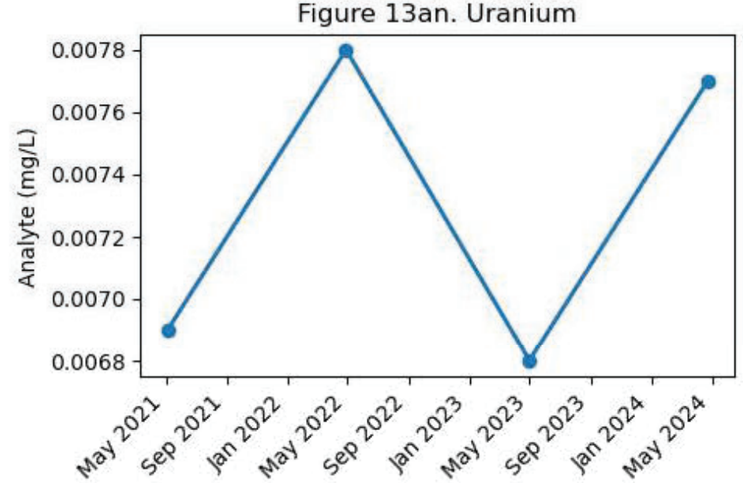


Figure 13an. Uranium



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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M25-UBF Quarterly Analyte Graphs

Figure 13ao. Xylene (Total)

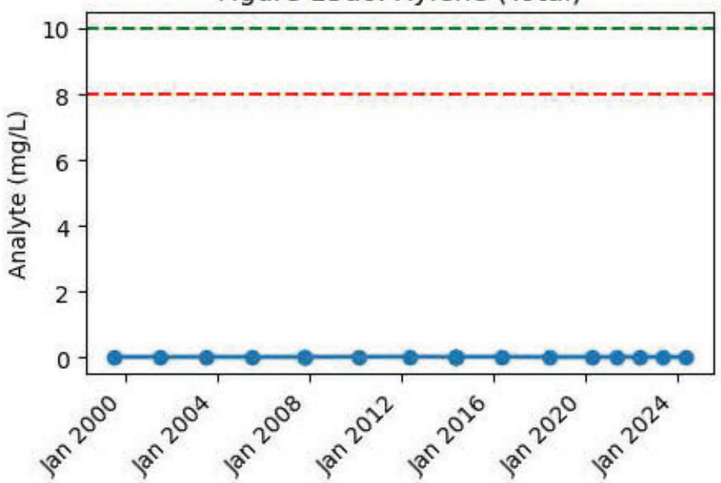


Figure 13ap. Zinc

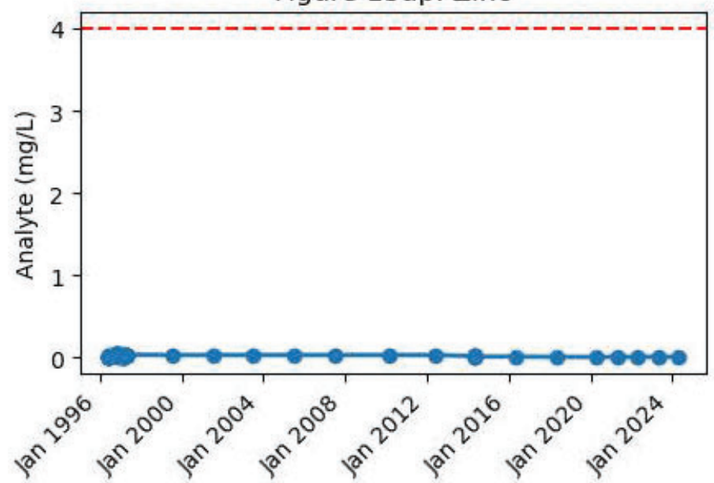


Figure 13aq. Total Uranium Isotopes

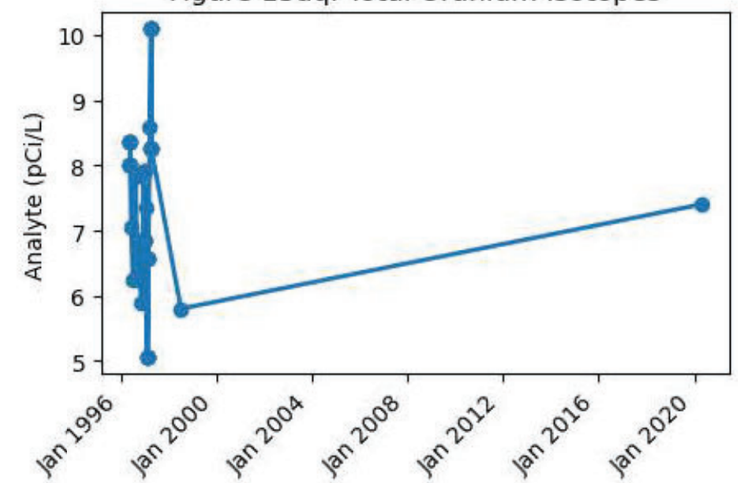
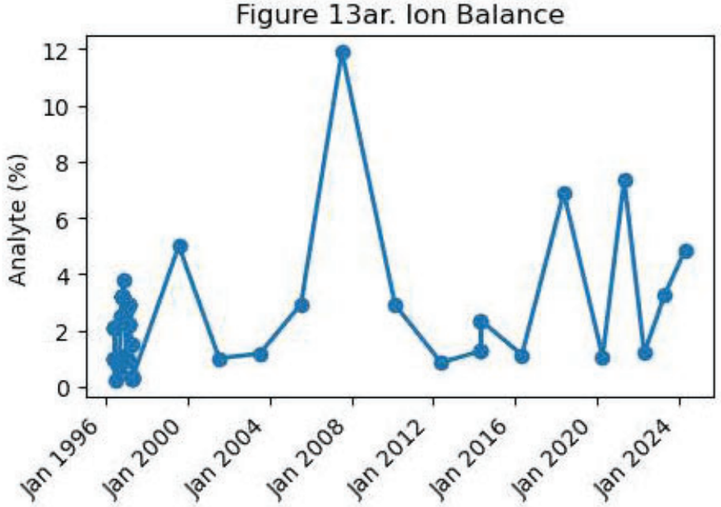


Figure 13ar. Ion Balance



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M26-O Quarterly Analyte Graphs

Figure 14a. Alkalinity, Bicarbonate

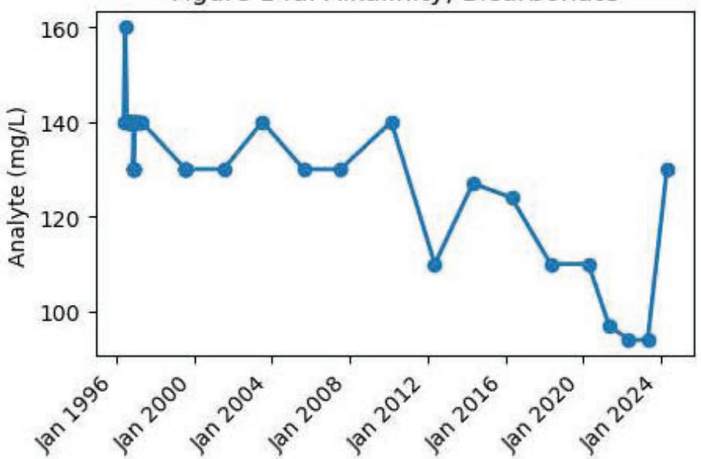


Figure 14b. Alkalinity, Carbonate

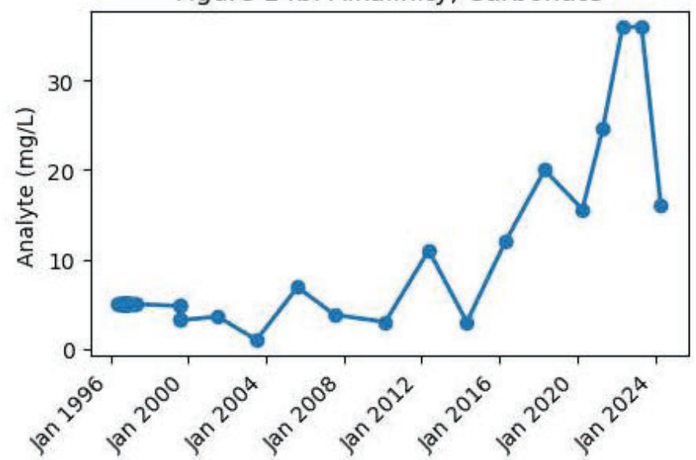


Figure 14c. Alkalinity, Hydroxide

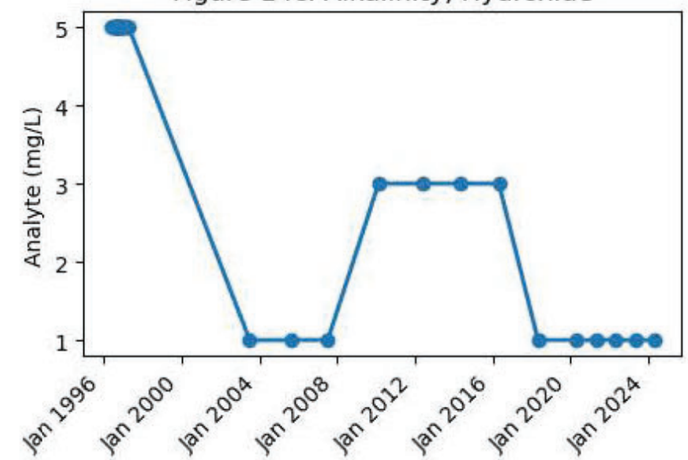


Figure 14d. Alkalinity, Total (as CaCO3)

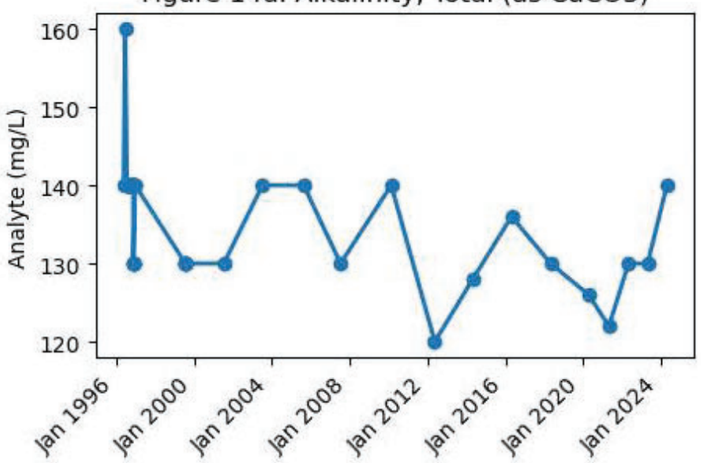


Figure 14e. Aluminum

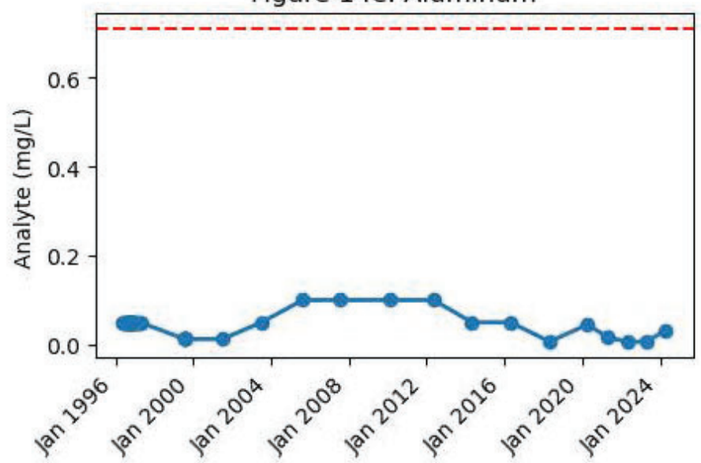


Figure 14f. Antimony

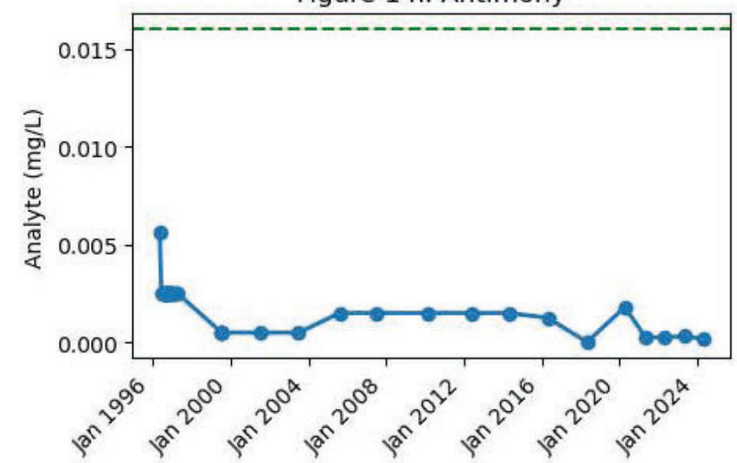


Figure 14g. Arsenic

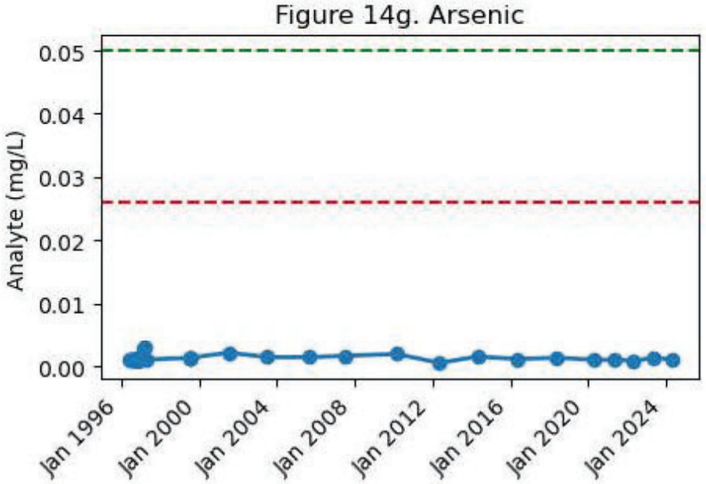
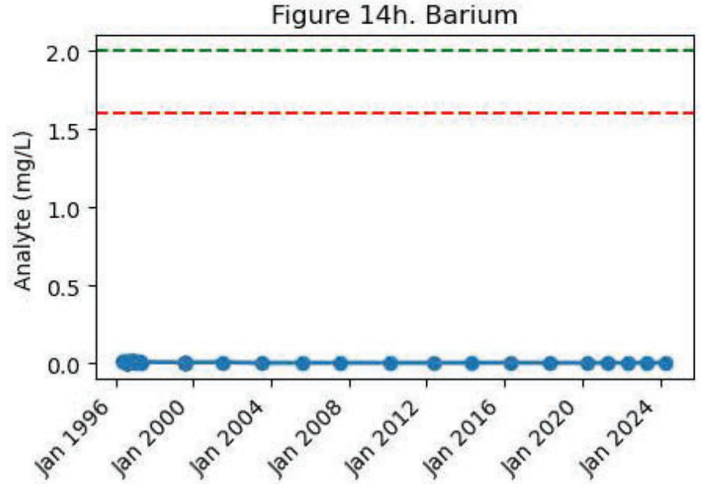
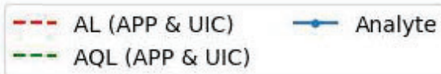


Figure 14h. Barium





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M26-O Quarterly Analyte Graphs

Figure 14i. Benzene

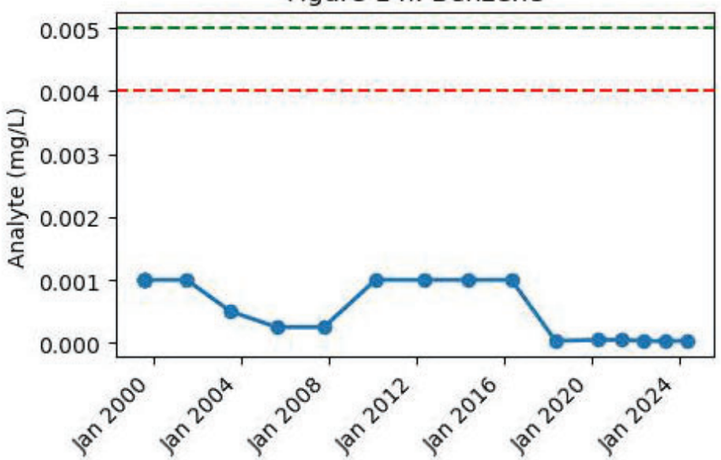


Figure 14j. Beryllium

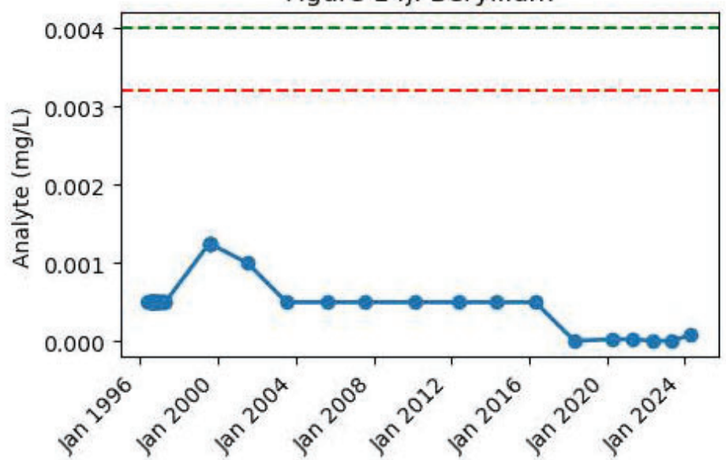


Figure 14k. Cadmium

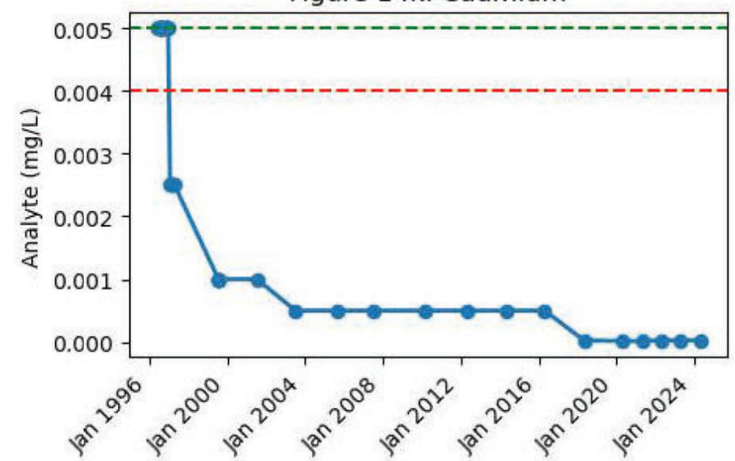


Figure 14l. Calcium

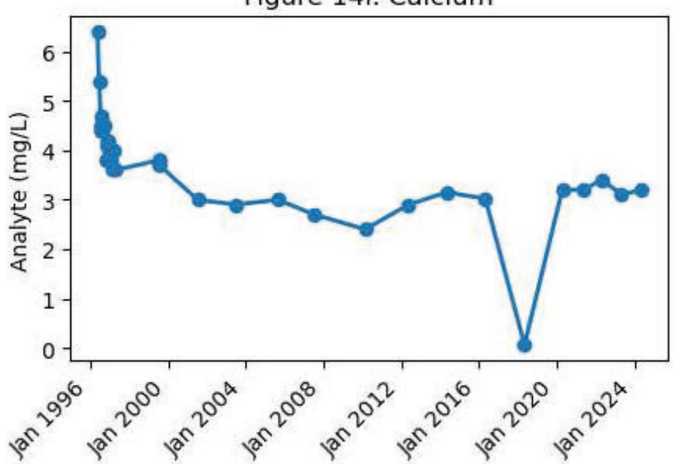


Figure 14m. Chloride

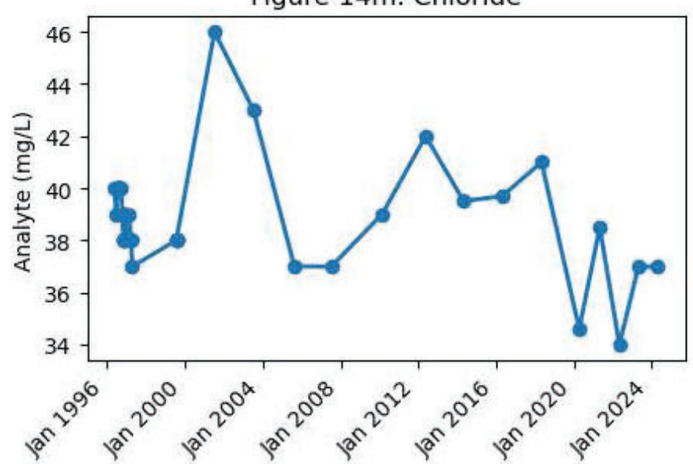


Figure 14n. Chromium

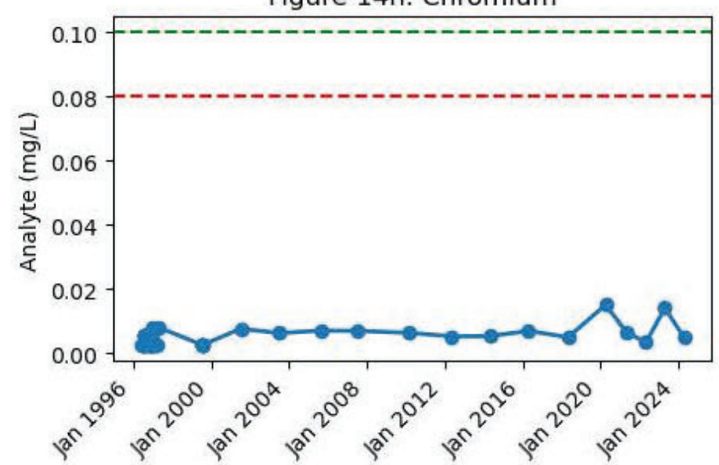


Figure 14o. Cobalt

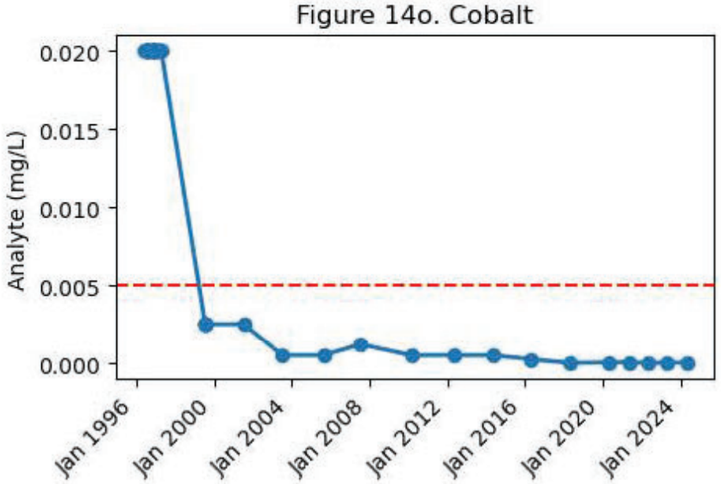
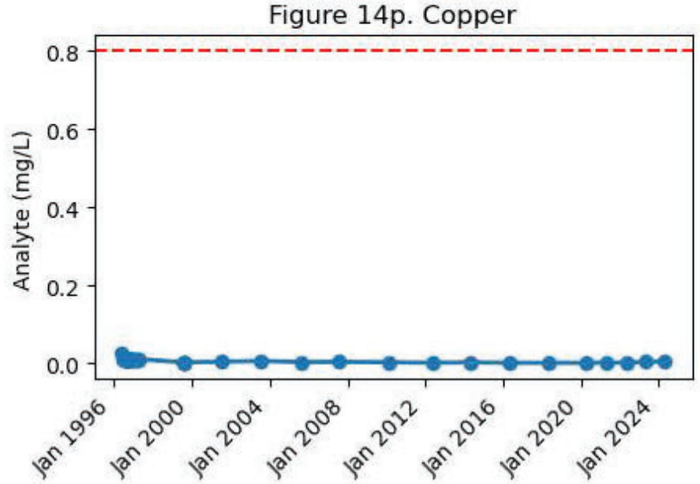


Figure 14p. Copper



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M26-O Quarterly Analyte Graphs

Figure 14q. Ethylbenzene

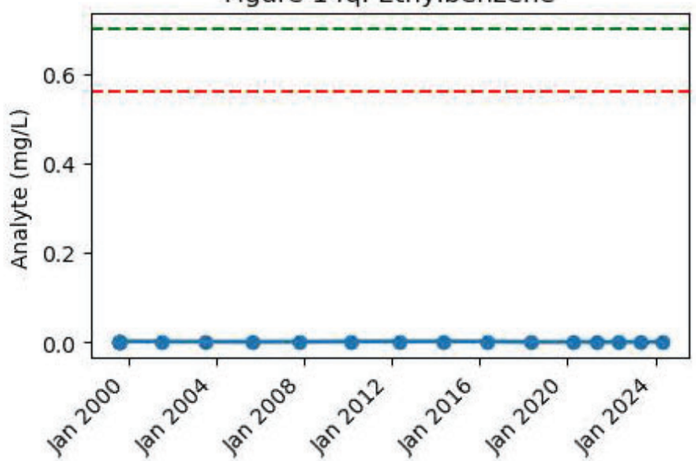


Figure 14r. Fluoride

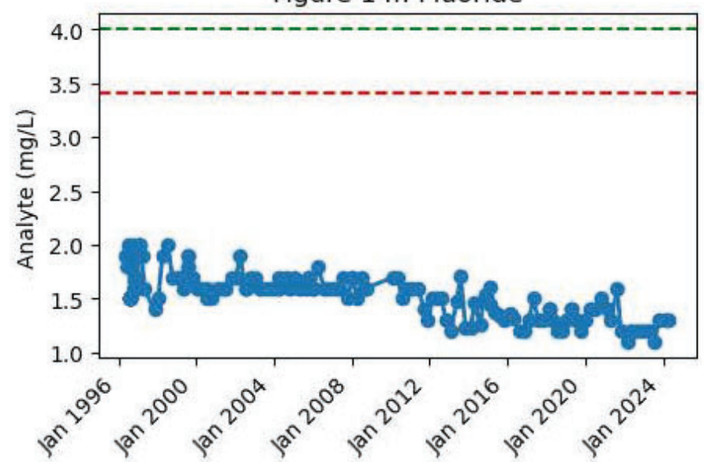


Figure 14s. Gross Alpha Analytes

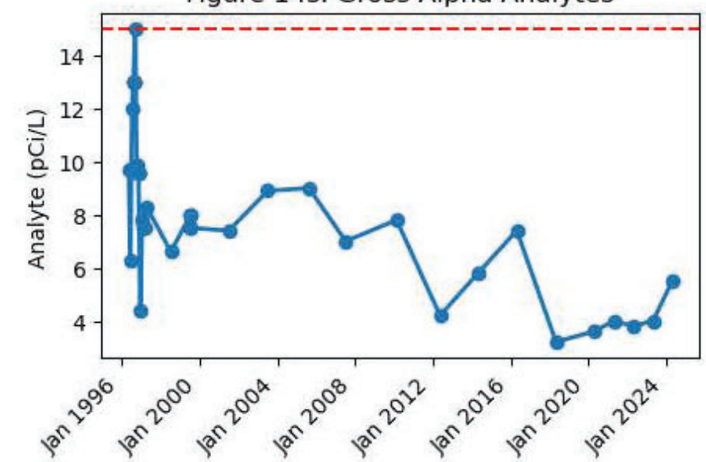


Figure 14t. Iron

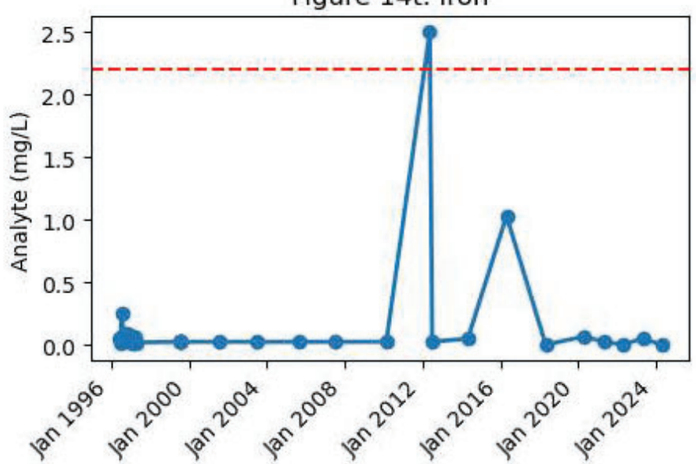


Figure 14u. Lead

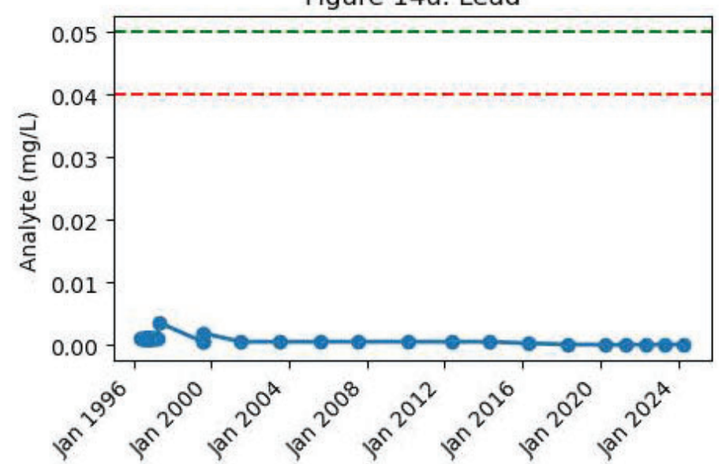


Figure 14v. Magnesium

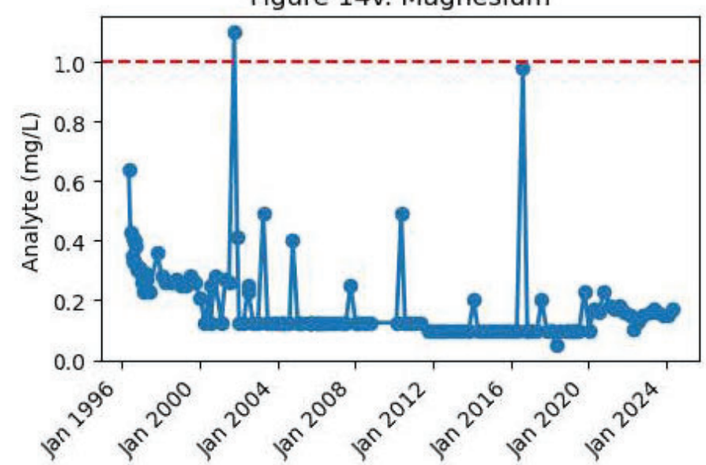


Figure 14w. Manganese

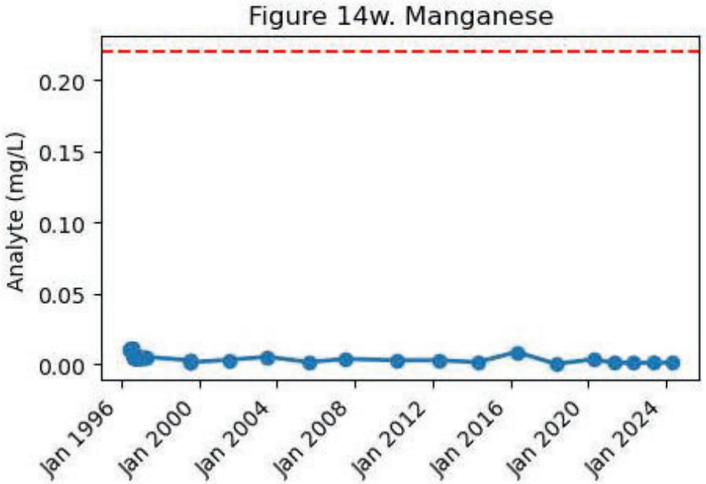
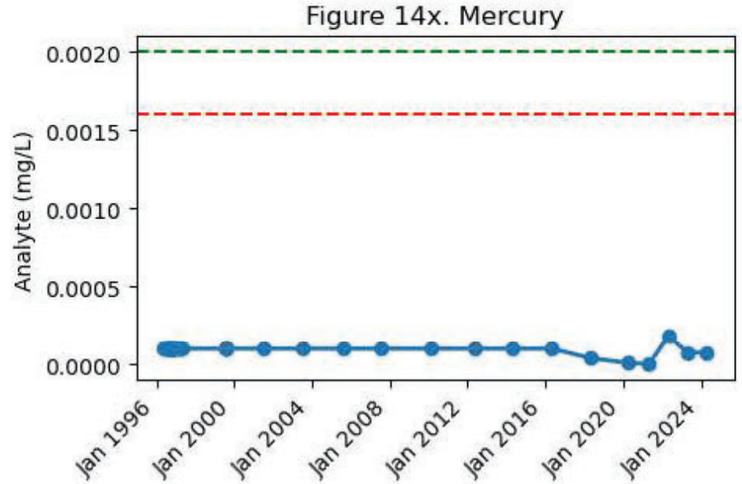


Figure 14x. Mercury



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M26-O Quarterly Analyte Graphs

Figure 14y. Nickel

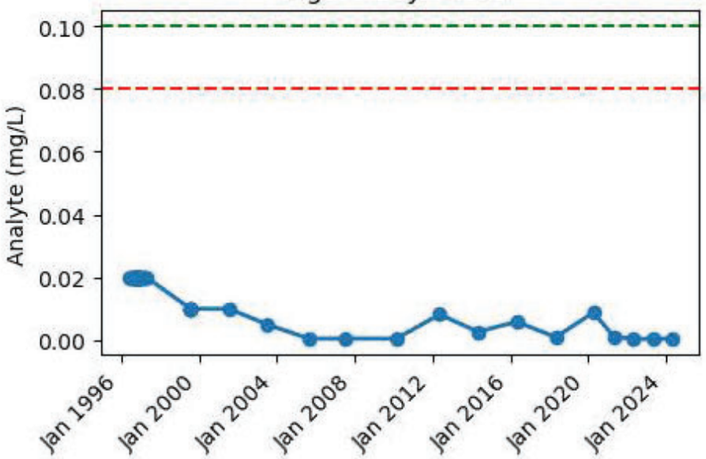


Figure 14z. Nitrate (as N)

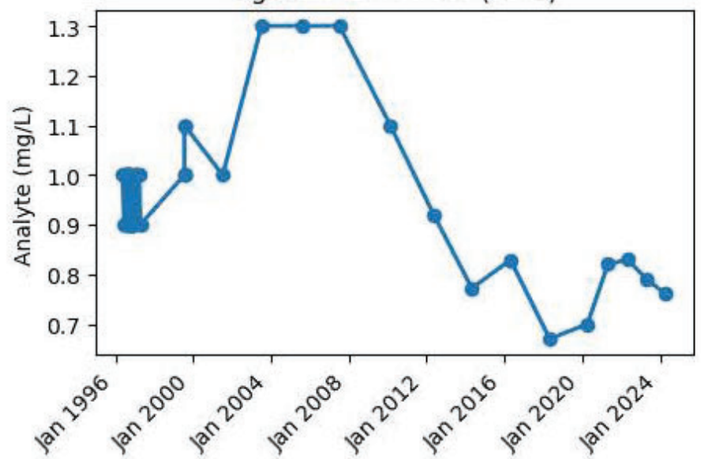


Figure 14aa. pH, Field

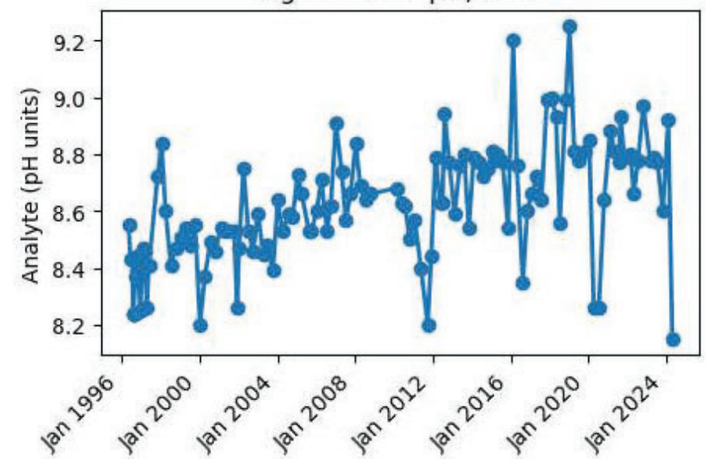


Figure 14ab. Potassium

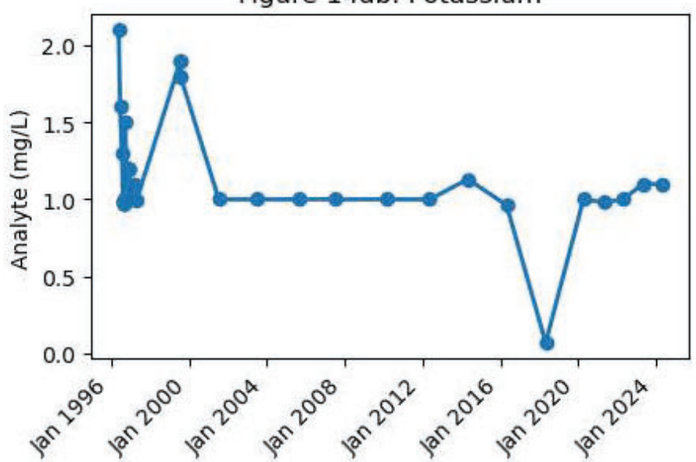


Figure 14ac. Radium-226 & 228

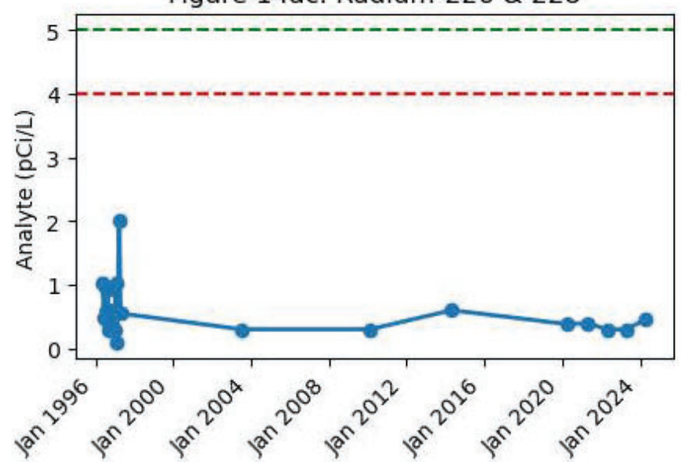


Figure 14ad. Selenium

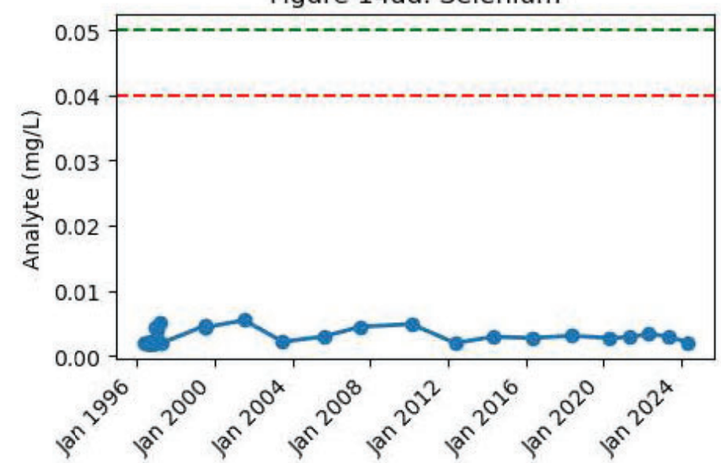


Figure 14ae. Sodium

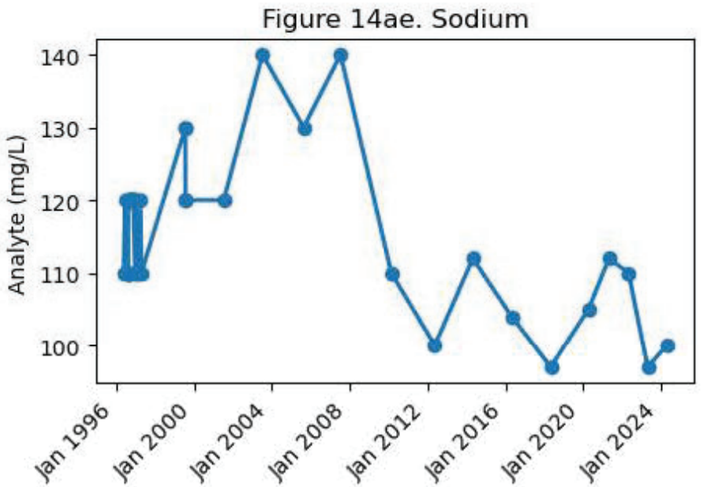
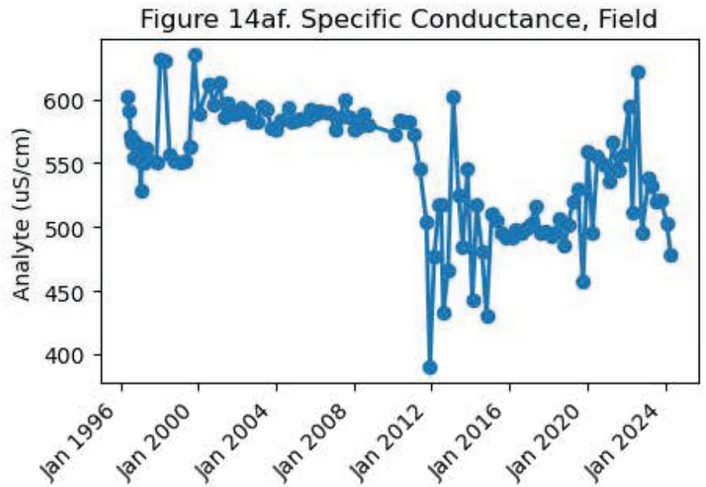


Figure 14af. Specific Conductance, Field



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M26-O Quarterly Analyte Graphs

Figure 14ag. Sulfate

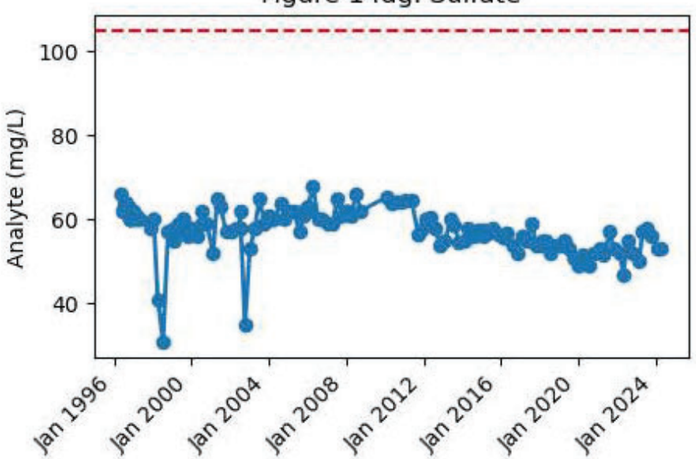


Figure 14ah. Temperature, Field

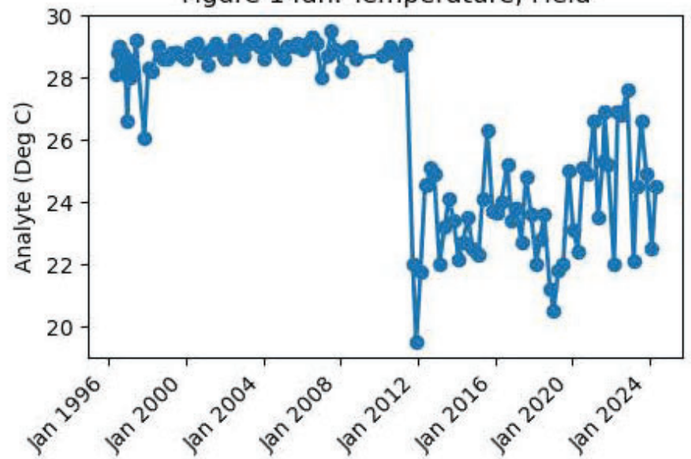


Figure 14ai. Thallium

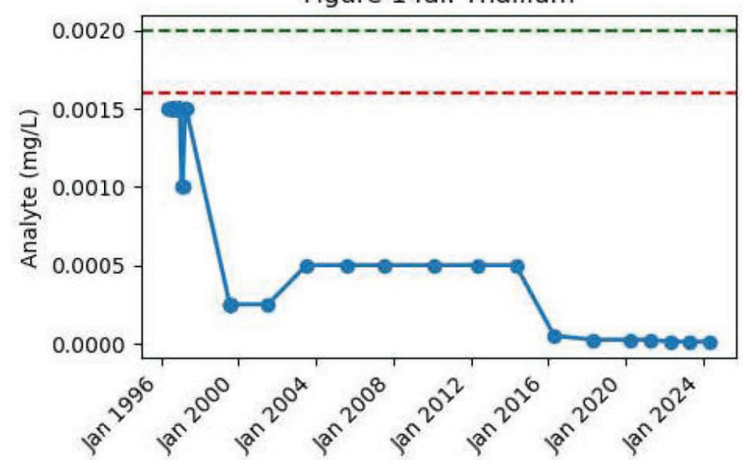


Figure 14aj. Toluene

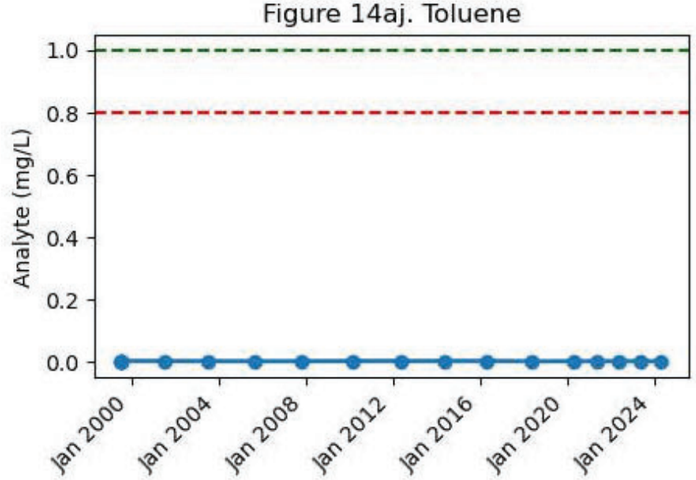


Figure 14ak. Total Dissolved Solids (TDS)

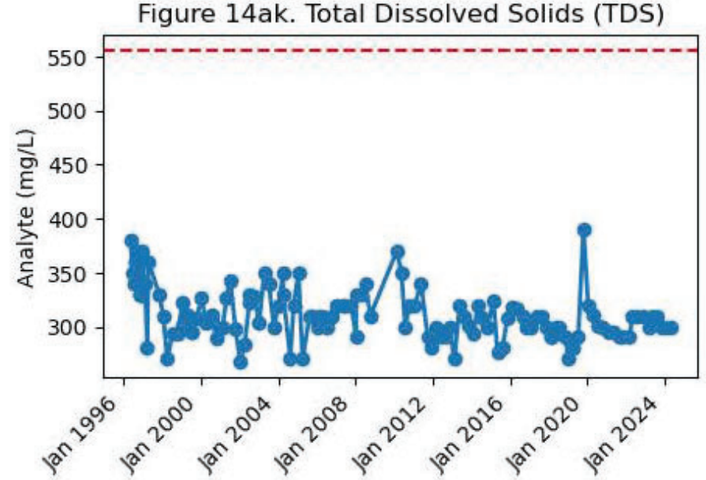


Figure 14al. Total Petroleum Hydrocarbons (C10-C22) Diesel

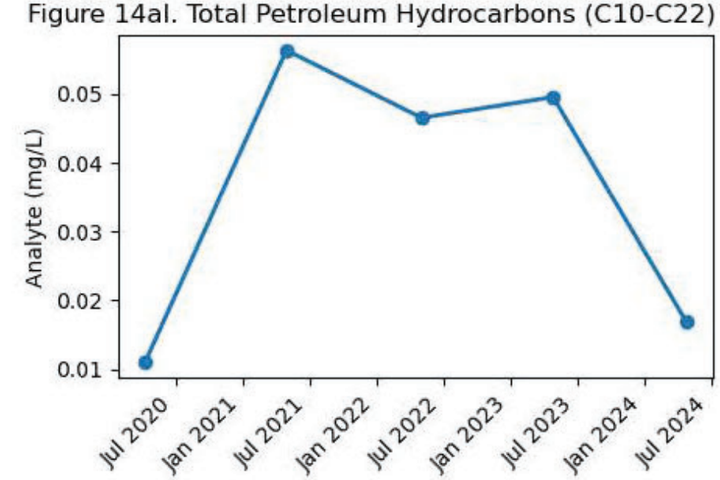


Figure 14am. Turbidity, Field

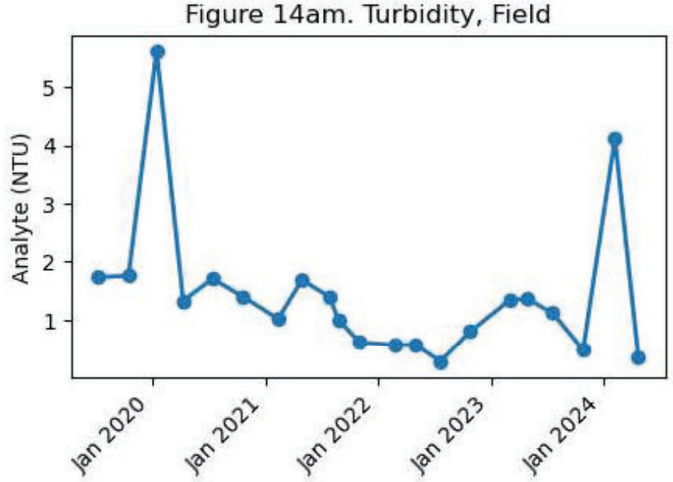
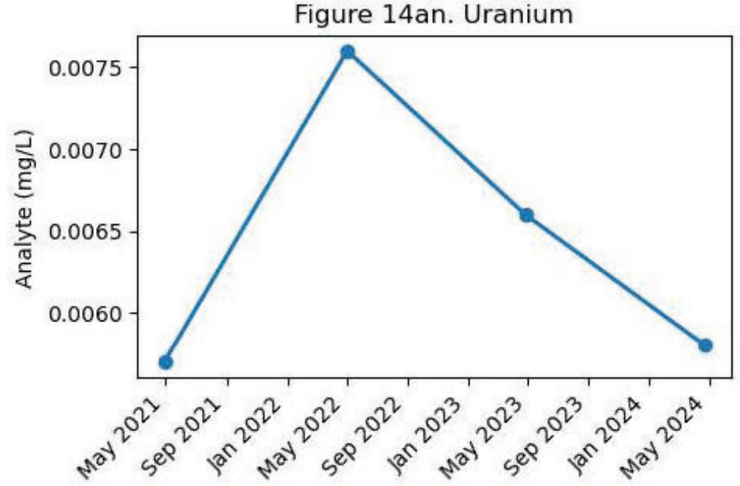


Figure 14an. Uranium



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M26-O Quarterly Analyte Graphs

Figure 14ao. Xylene (Total)

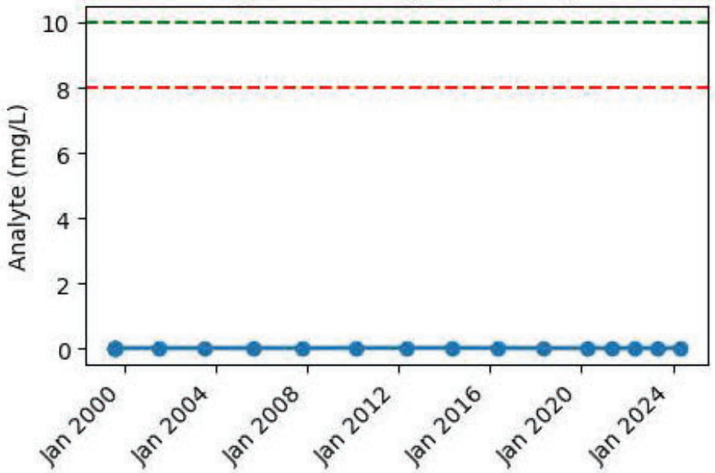


Figure 14ap. Zinc

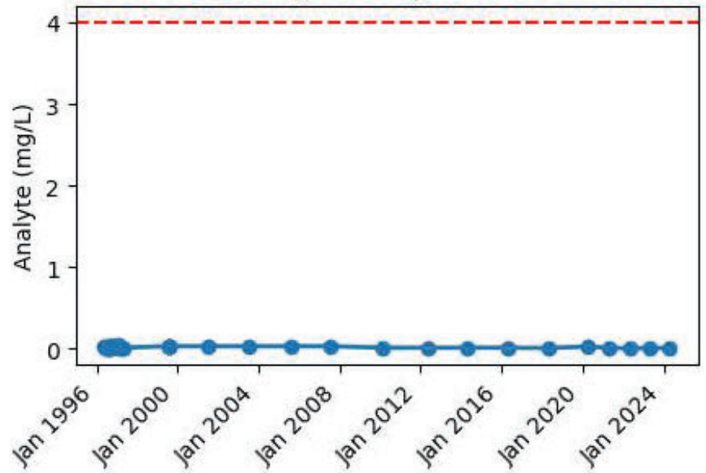


Figure 14aq. Total Uranium Isotopes

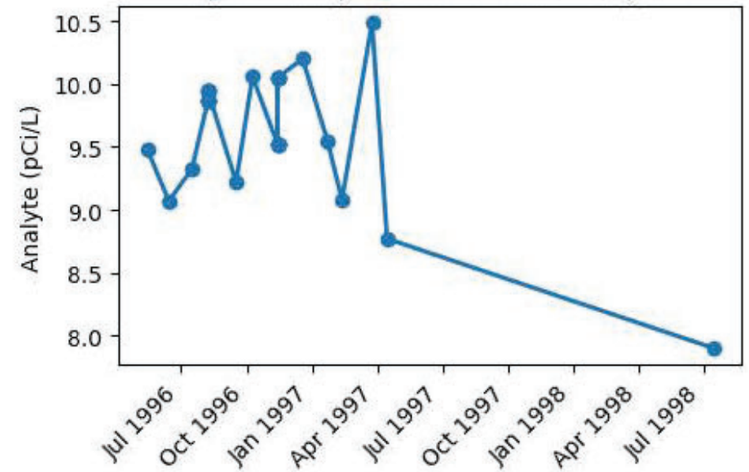
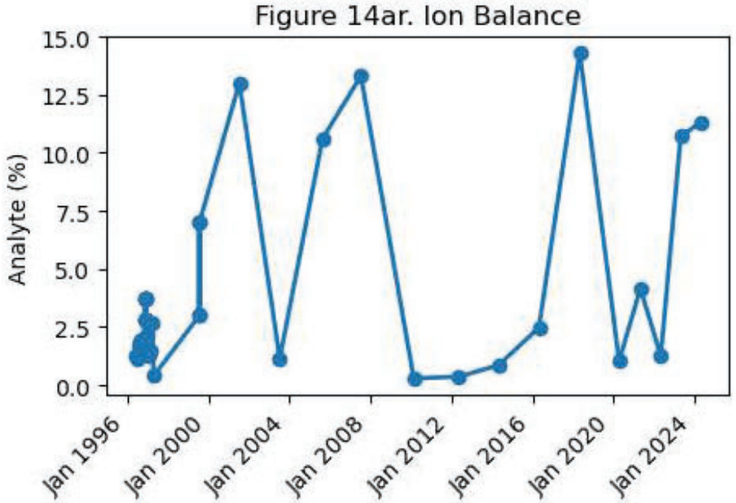
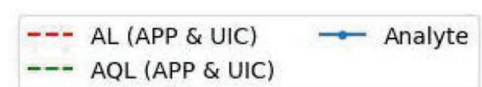


Figure 14ar. Ion Balance





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M27-LBF Quarterly Analyte Graphs

Figure 15a. Alkalinity, Bicarbonate

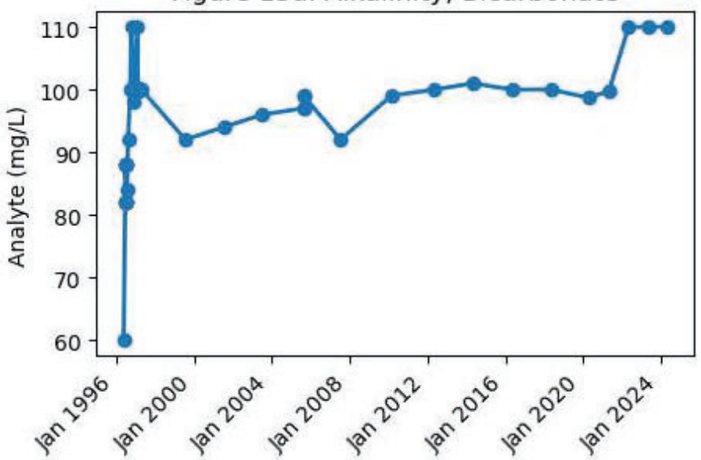


Figure 15b. Alkalinity, Carbonate

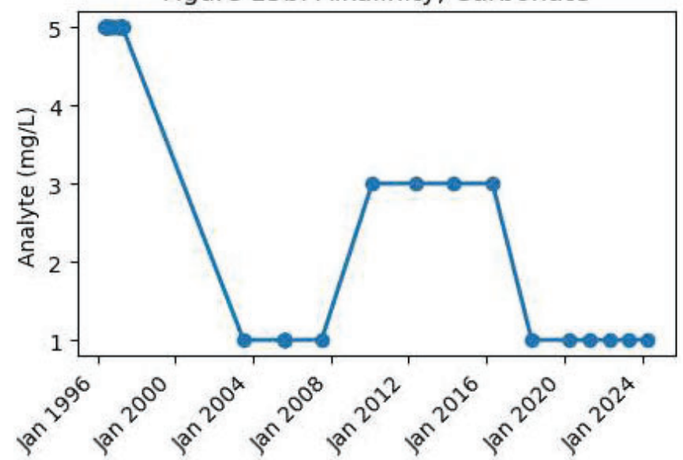


Figure 15c. Alkalinity, Hydroxide

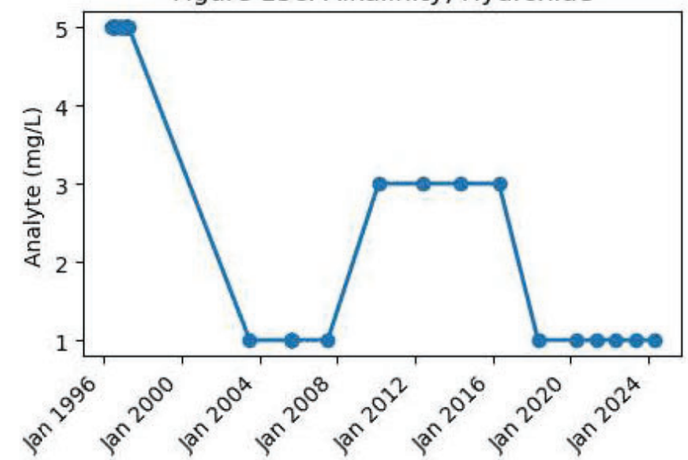


Figure 15d. Alkalinity, Total (as CaCO3)

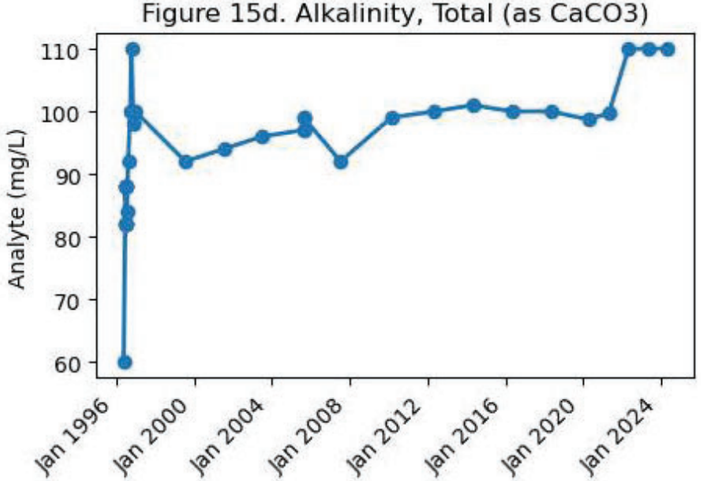


Figure 15e. Aluminum

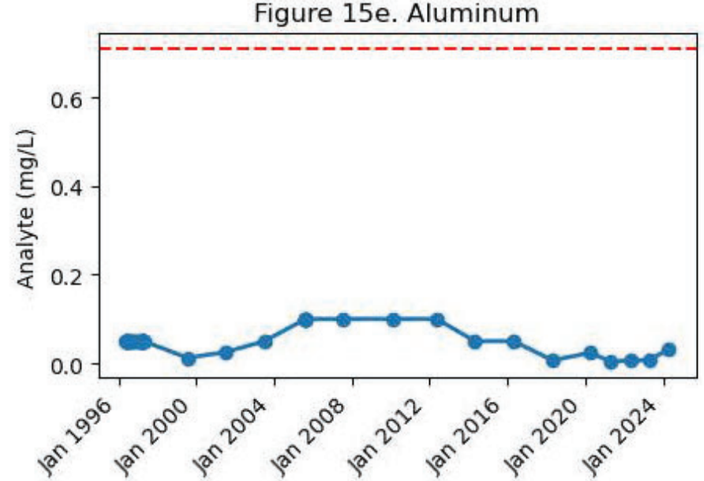


Figure 15f. Antimony

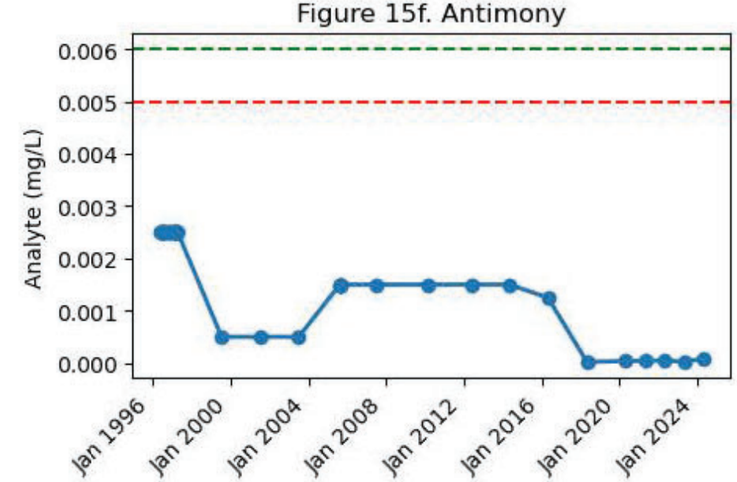


Figure 15g. Arsenic

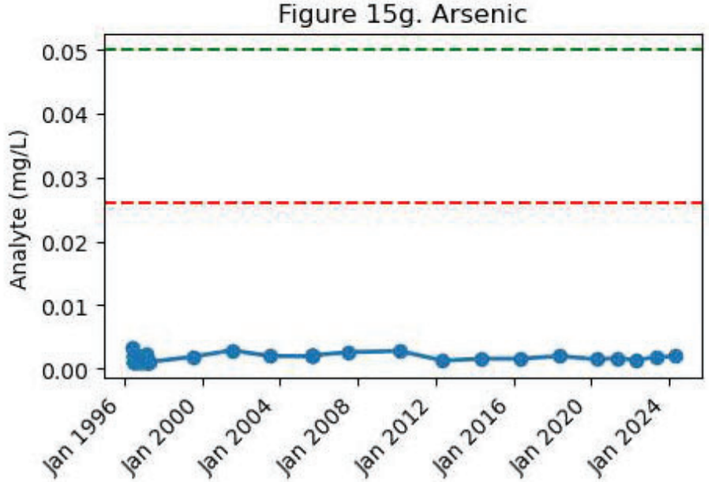
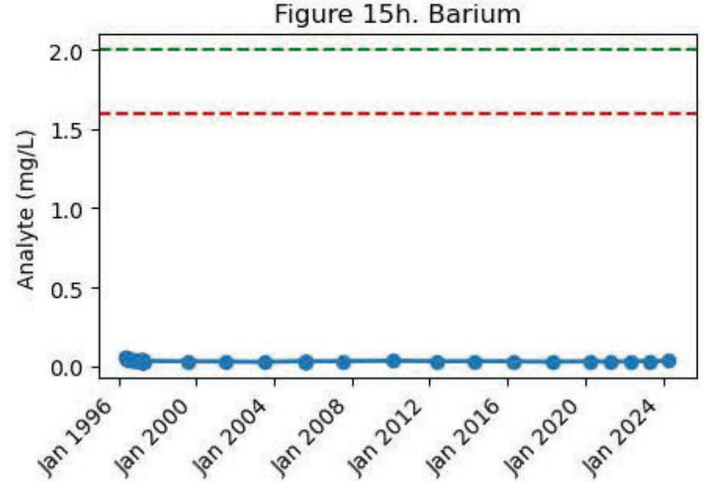


Figure 15h. Barium



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M27-LBF Quarterly Analyte Graphs

Figure 15i. Benzene

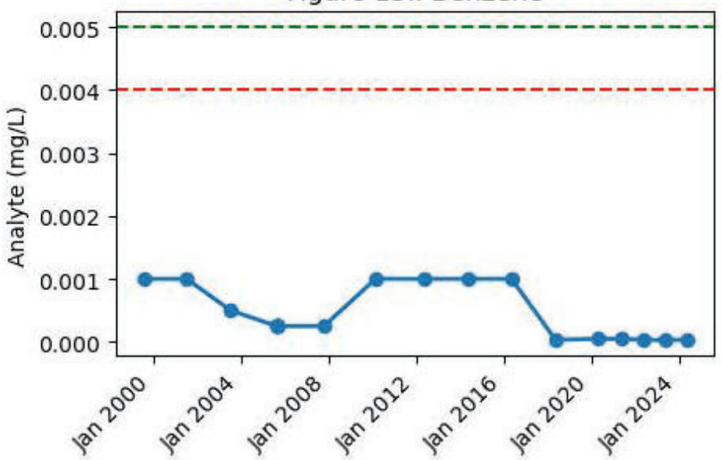

Figure 15j. Beryllium

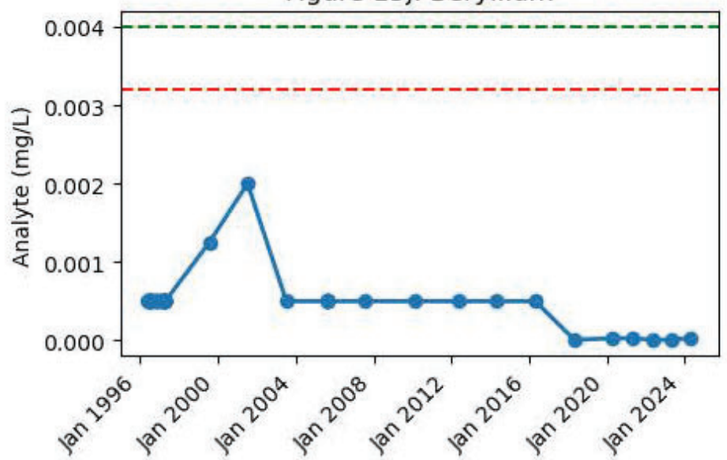

Figure 15k. Cadmium

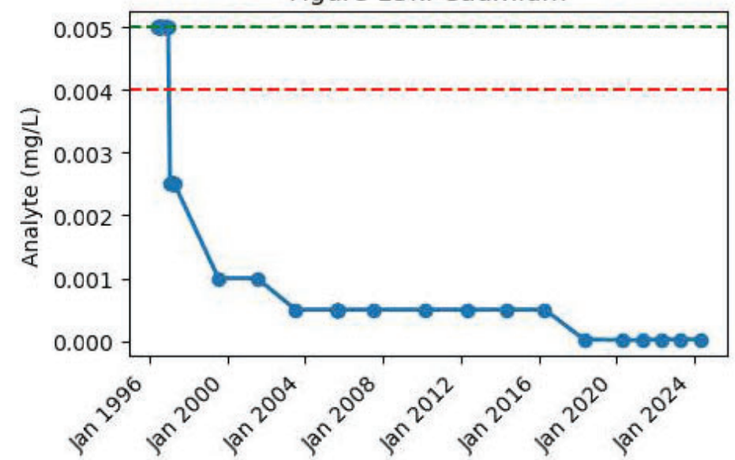

Figure 15l. Calcium

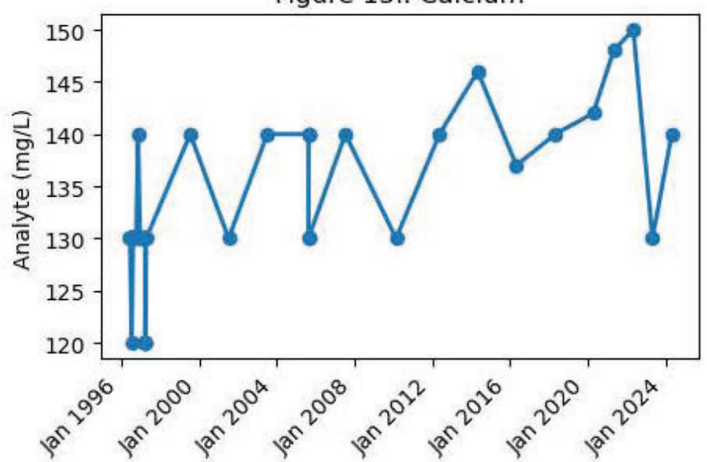

Figure 15m. Chloride

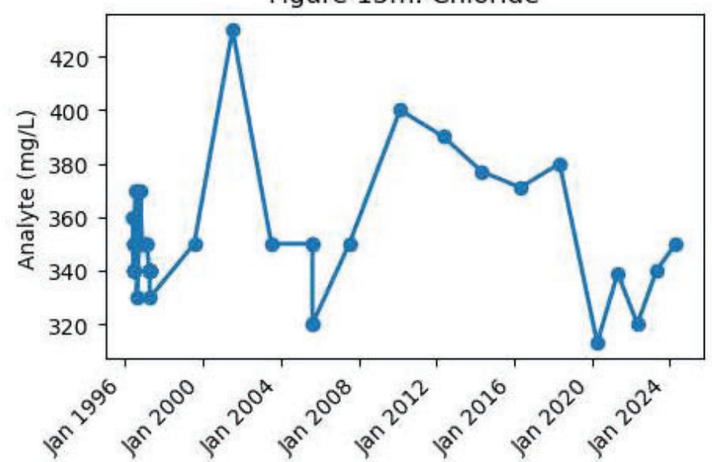

Figure 15n. Chromium

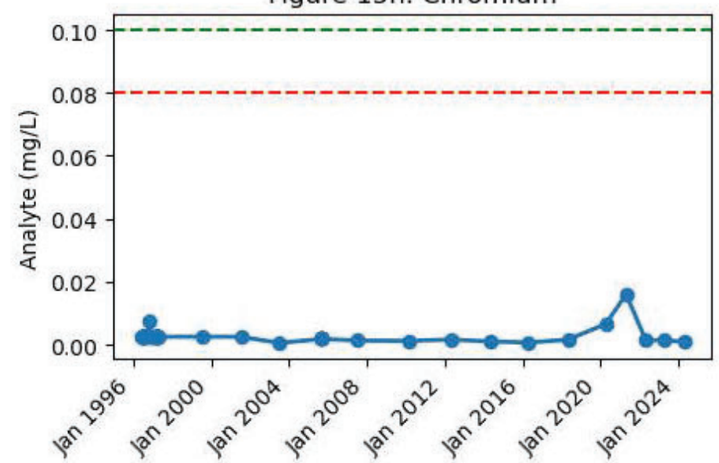

Figure 15o. Cobalt

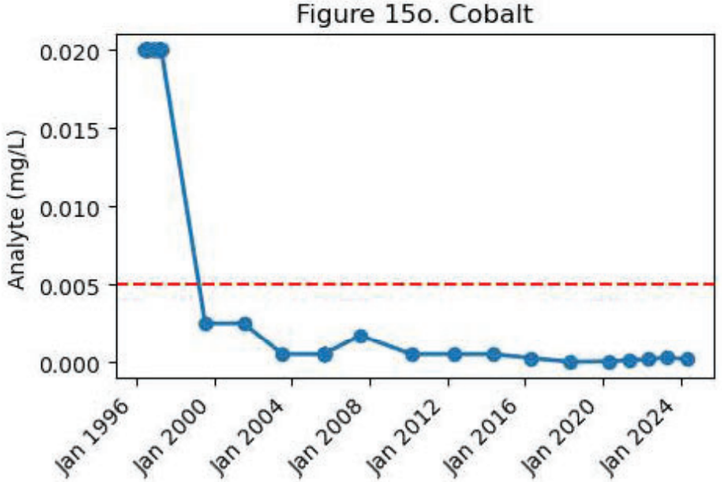

Figure 15p. Copper

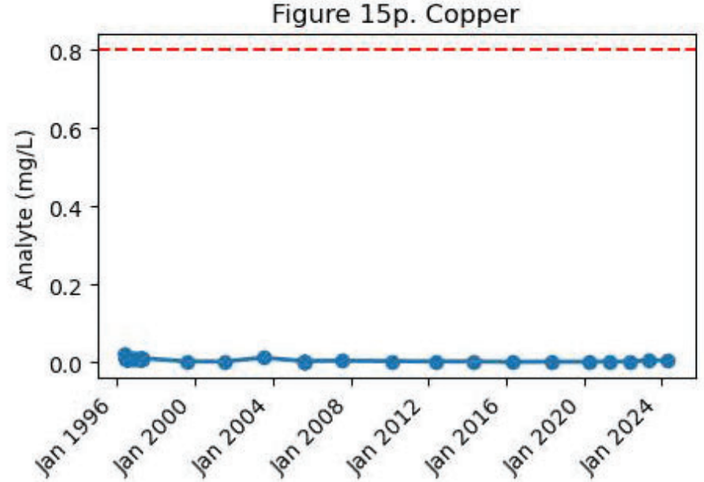

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Figure 15q. Ethylbenzene

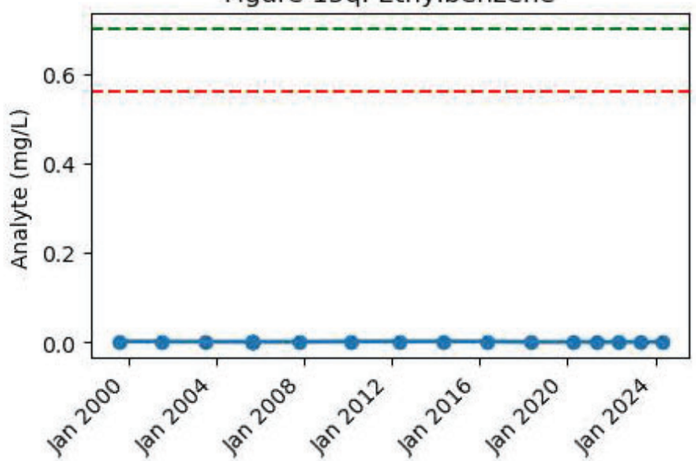


Figure 15r. Fluoride

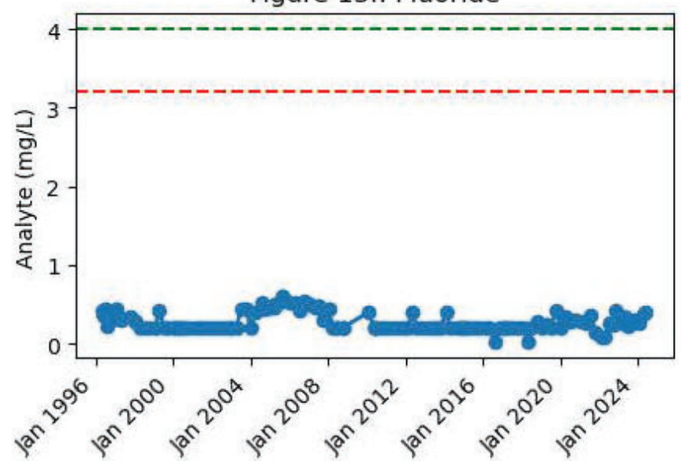


Figure 15s. Gross Alpha Analytes

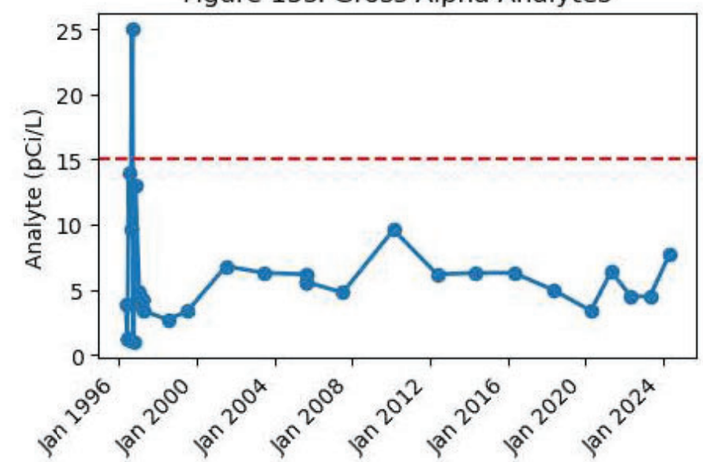


Figure 15t. Iron

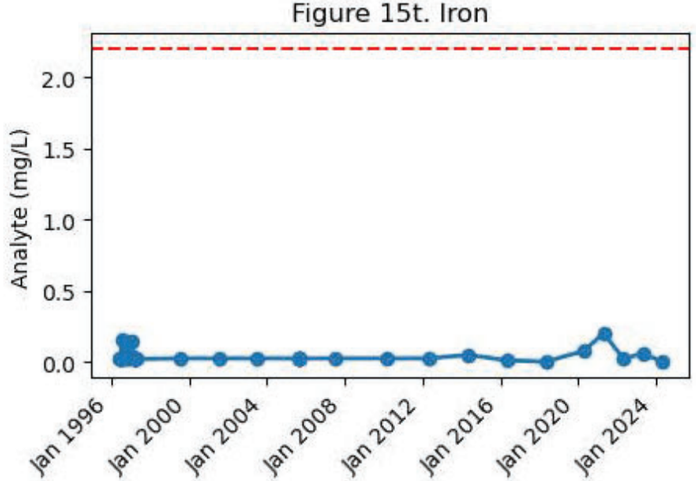


Figure 15u. Lead

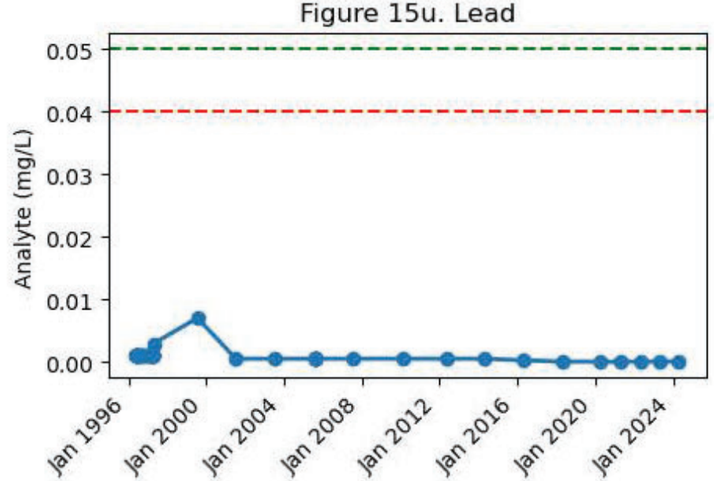


Figure 15v. Magnesium

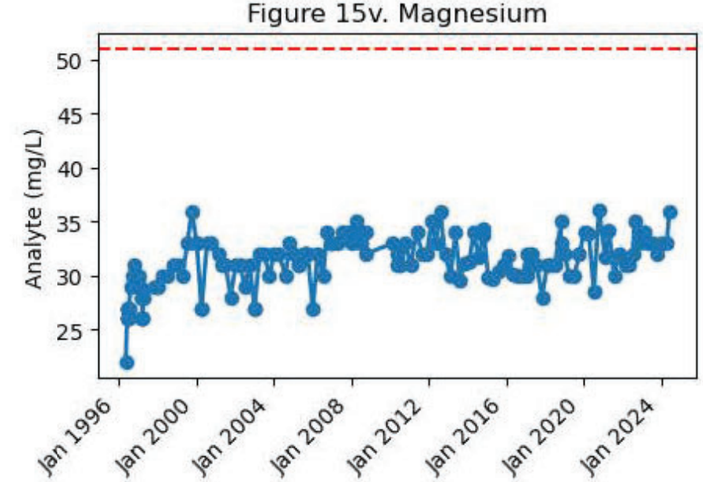


Figure 15w. Manganese

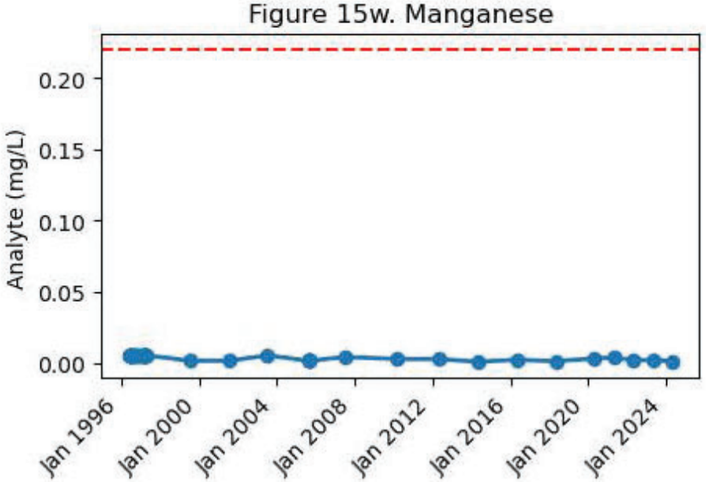
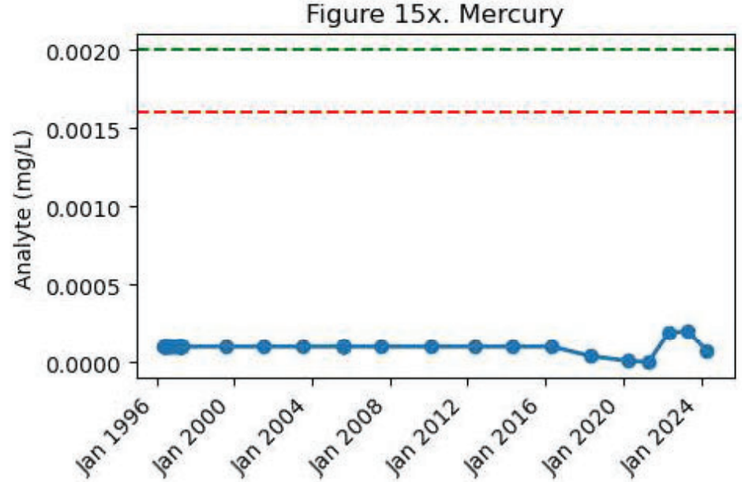


Figure 15x. Mercury



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M27-LBF Quarterly Analyte Graphs

Figure 15y. Nickel

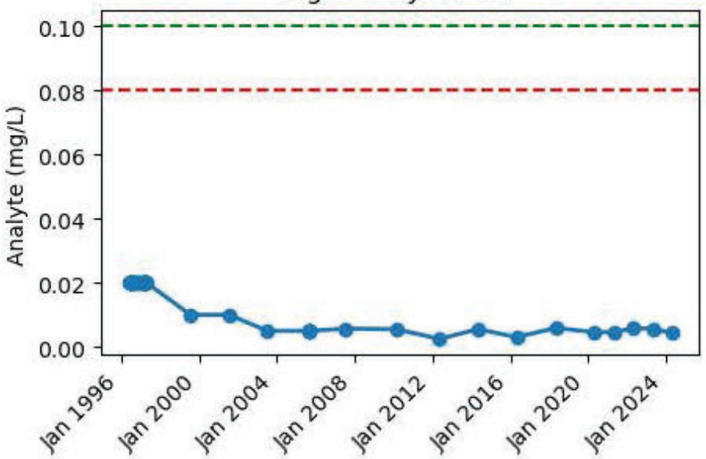


Figure 15z. Nitrate (as N)

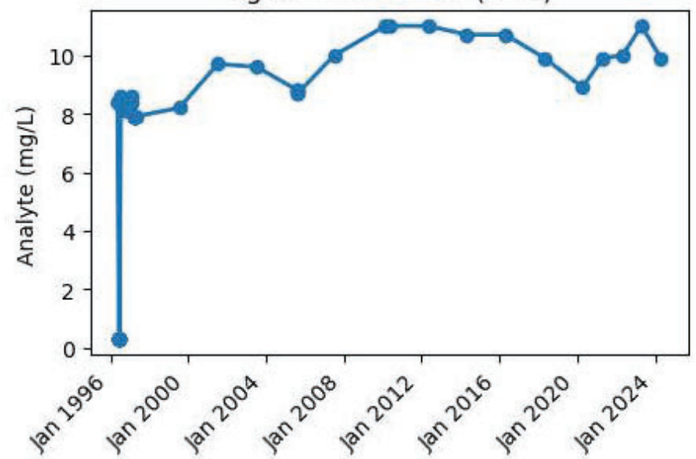


Figure 15aa. pH, Field

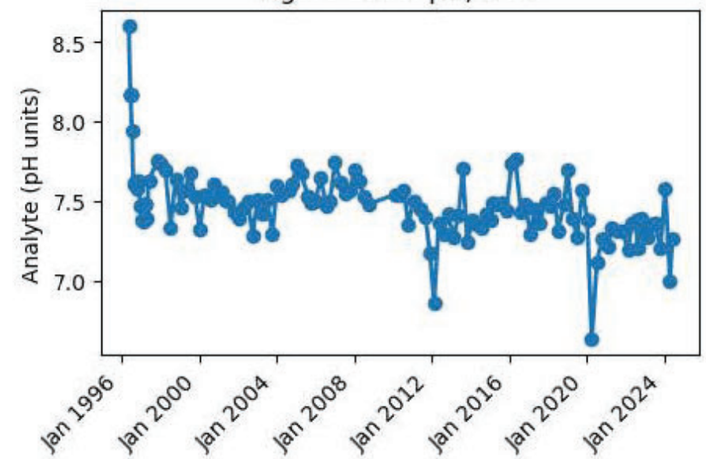


Figure 15ab. Potassium

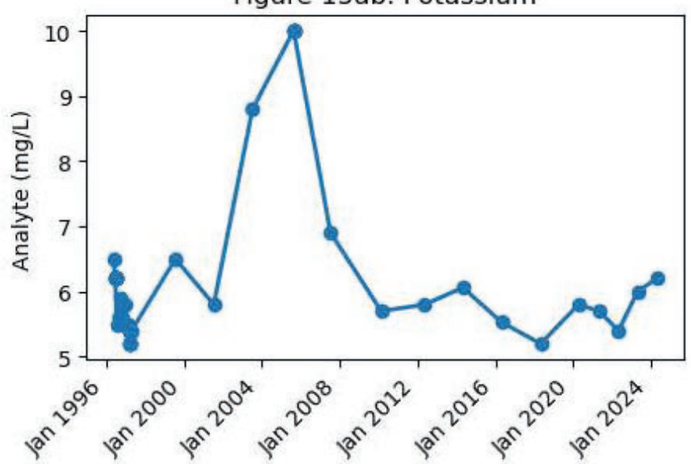


Figure 15ac. Radium-226 & 228

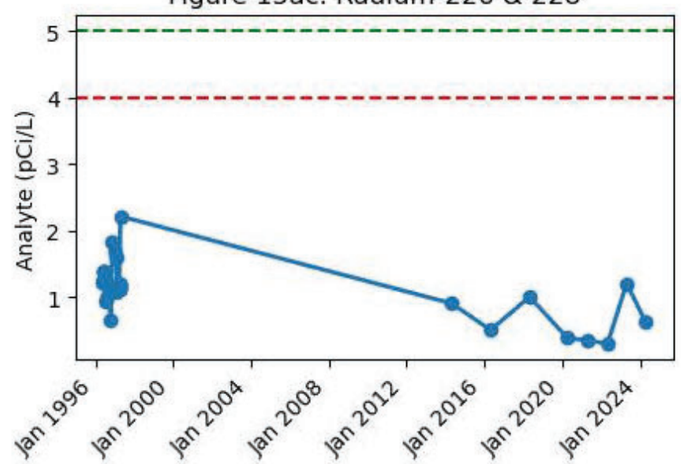


Figure 15ad. Selenium

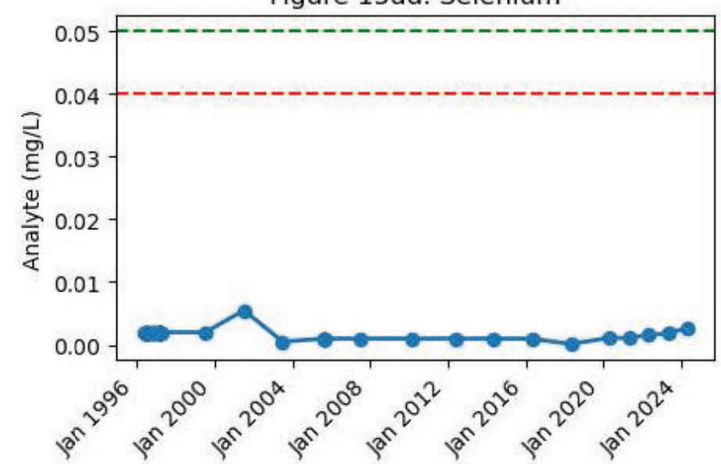


Figure 15ae. Sodium

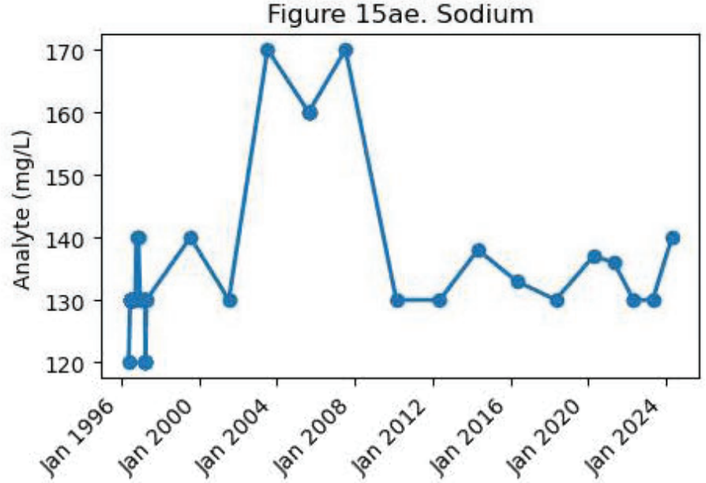
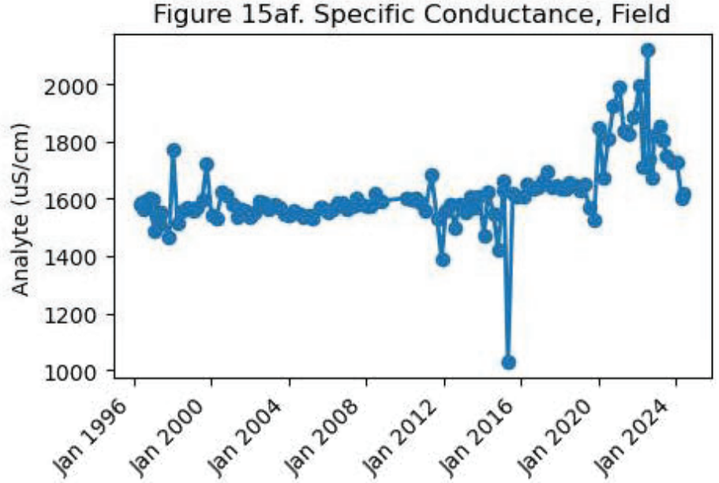


Figure 15af. Specific Conductance, Field



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M27-LBF Quarterly Analyte Graphs

Figure 15ag. Sulfate

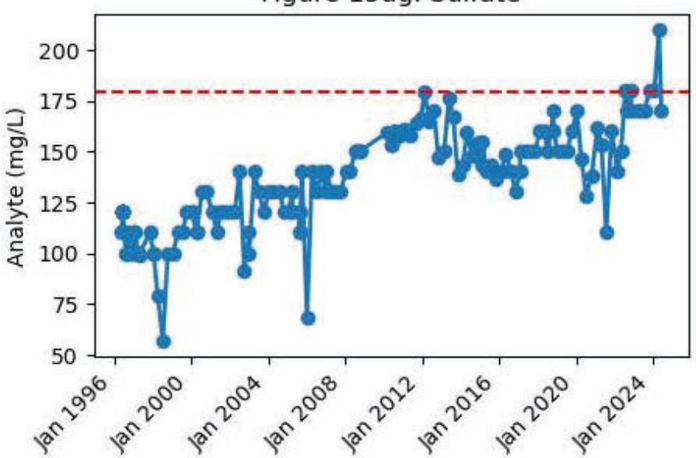


Figure 15ah. Temperature, Field

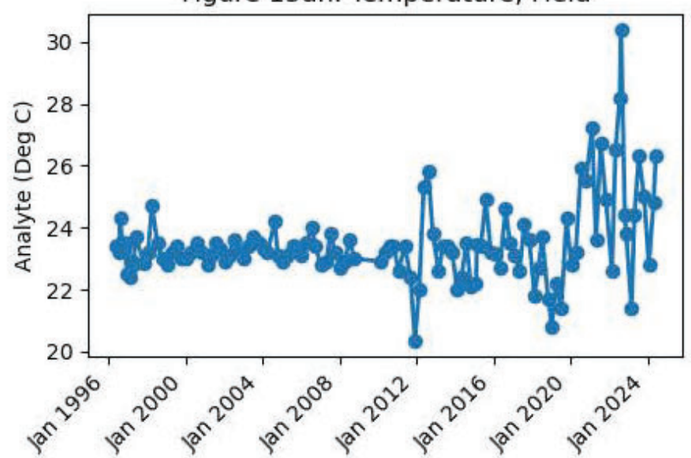


Figure 15ai. Thallium

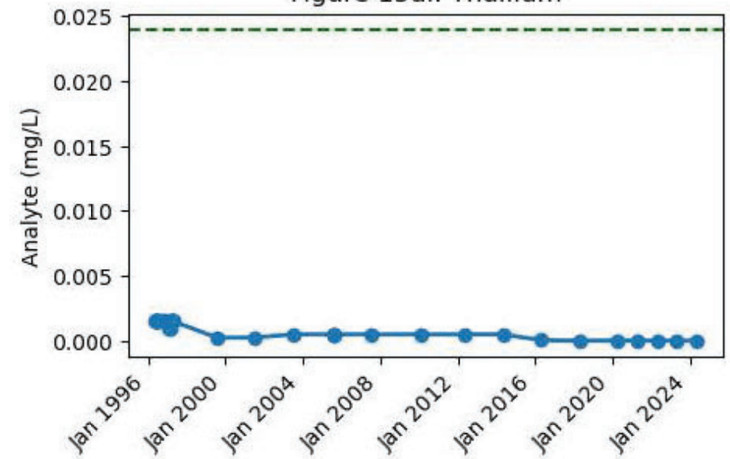


Figure 15aj. Toluene

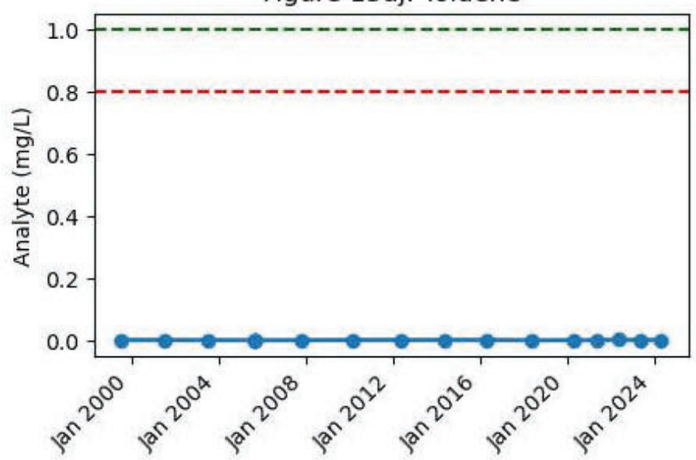


Figure 15ak. Total Dissolved Solids (TDS)

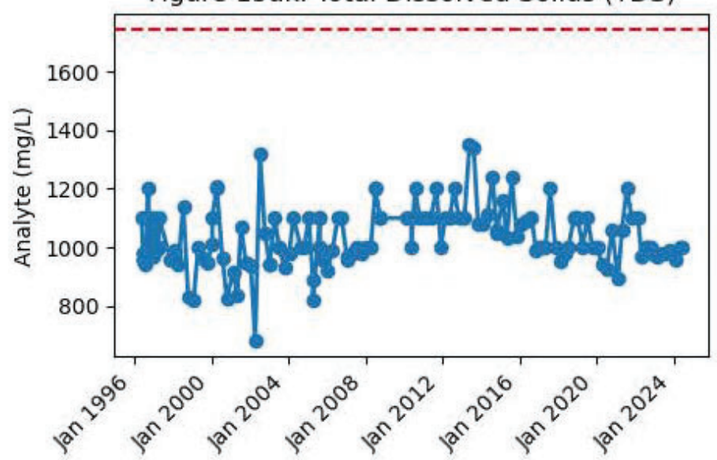


Figure 15al. Total Petroleum Hydrocarbons (C10-C22) Diesel

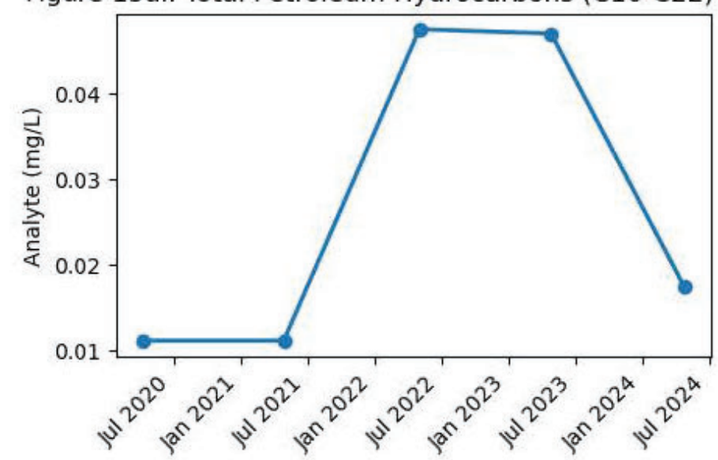


Figure 15am. Turbidity, Field

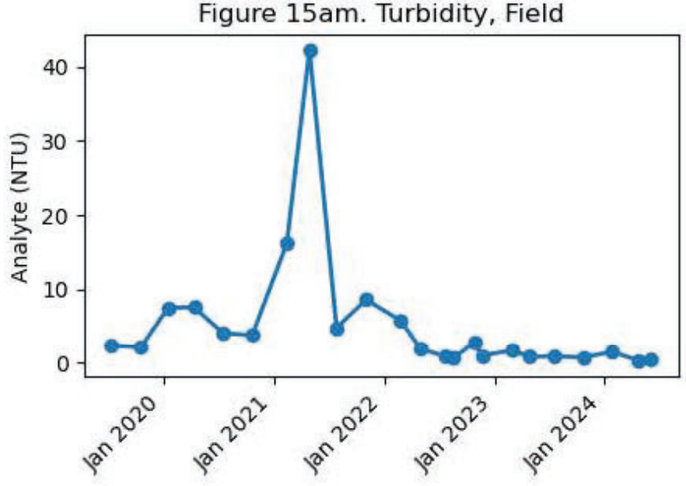
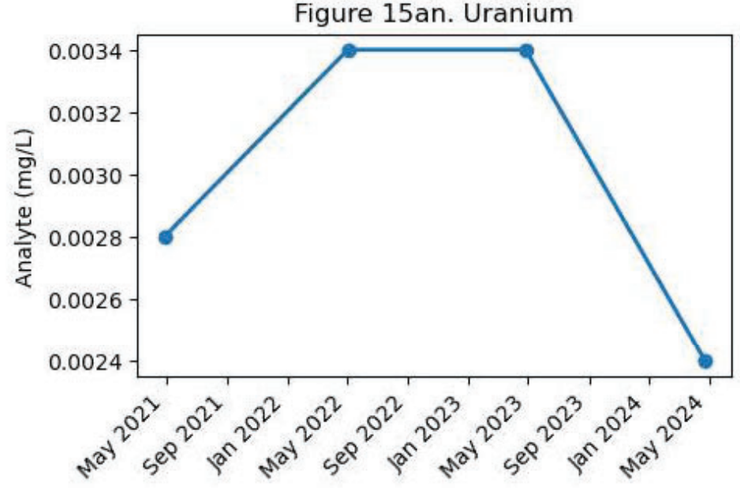


Figure 15an. Uranium



AL (APP & UIC)
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M27-LBF Quarterly Analyte Graphs

Figure 15ao. Xylene (Total)

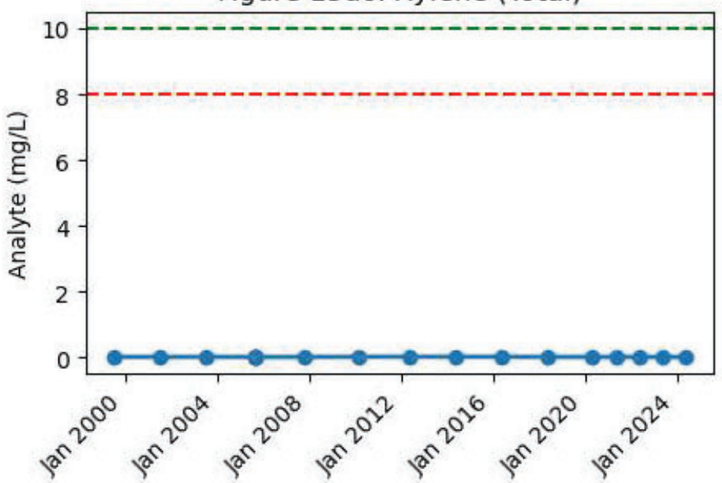


Figure 15ap. Zinc

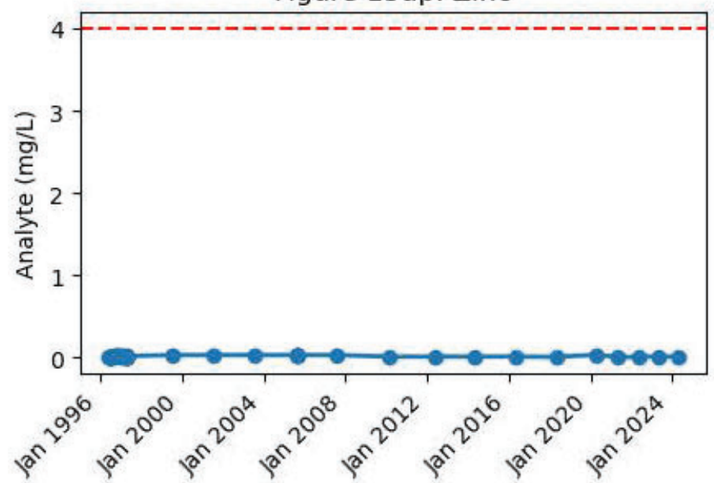


Figure 15aq. Total Uranium Isotopes

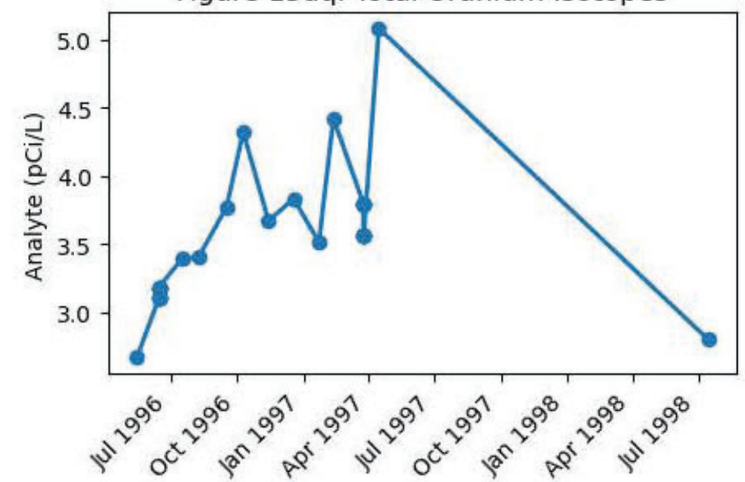
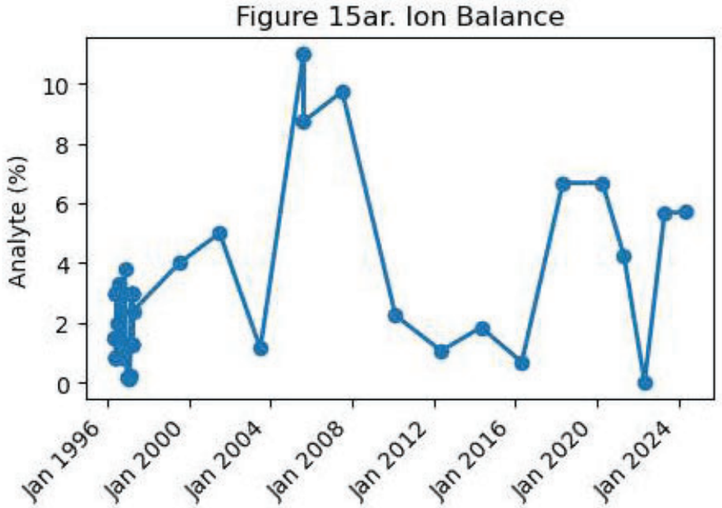


Figure 15ar. Ion Balance



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M28-LBF Quarterly Analyte Graphs

Figure 16a. Alkalinity, Bicarbonate

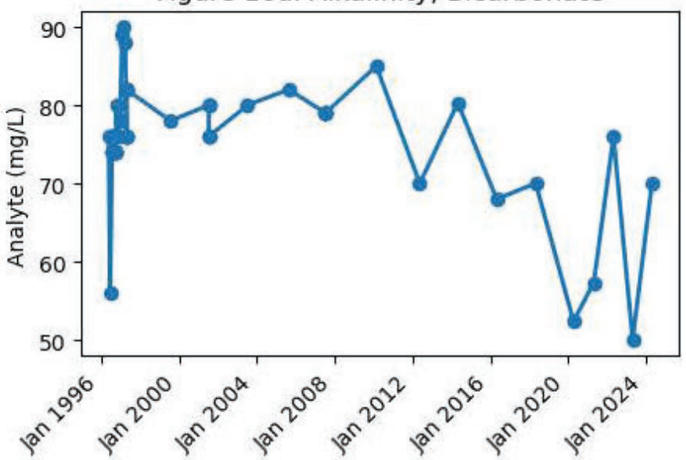

Figure 16b. Alkalinity, Carbonate

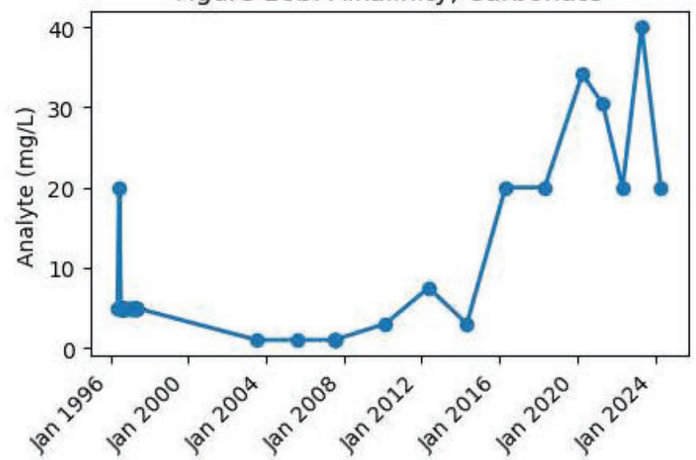

Figure 16c. Alkalinity, Hydroxide

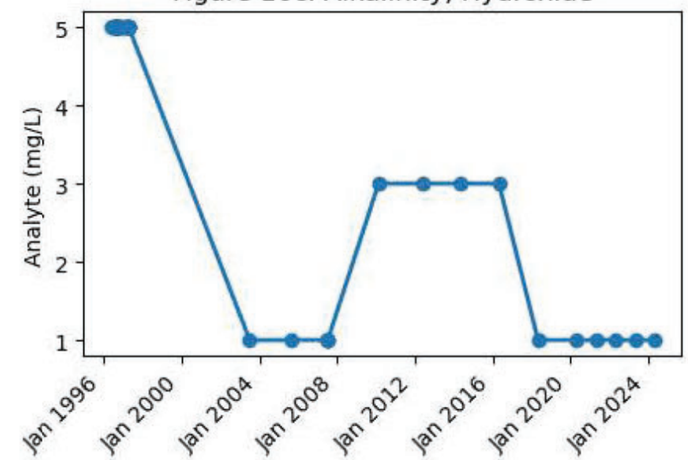

Figure 16d. Alkalinity, Total (as CaCO3)

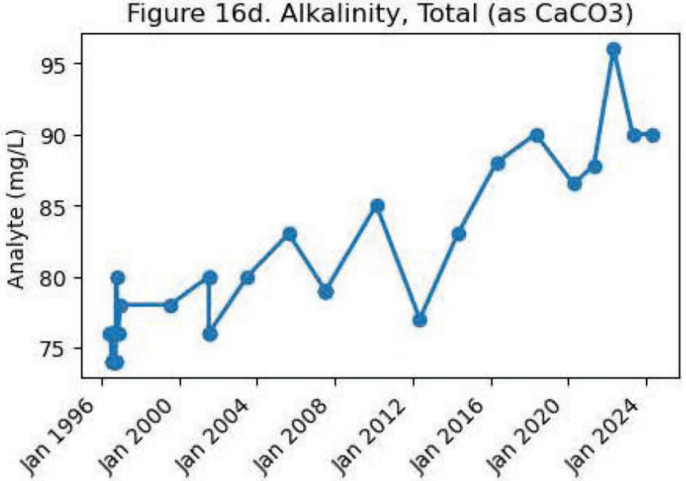

Figure 16e. Aluminum

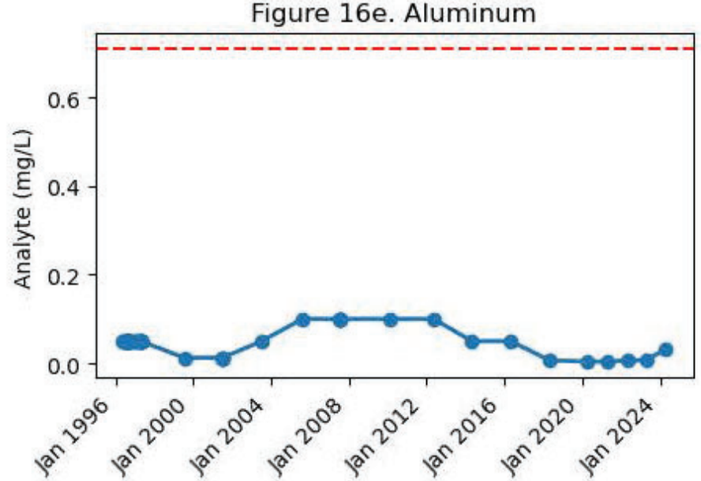

Figure 16f. Antimony

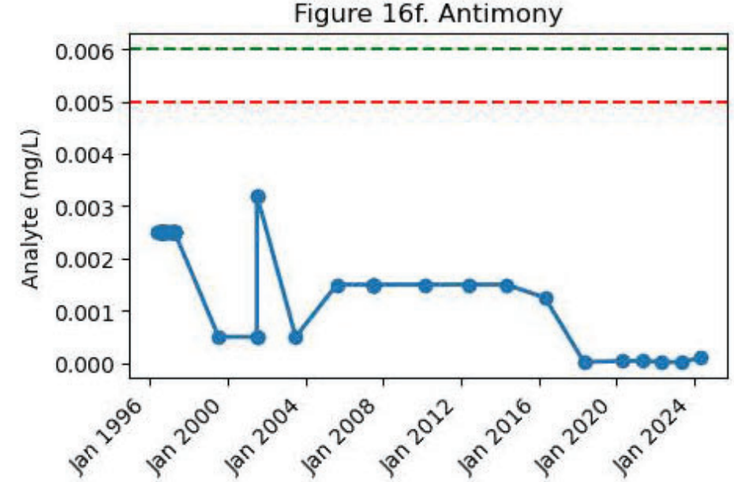

Figure 16g. Arsenic

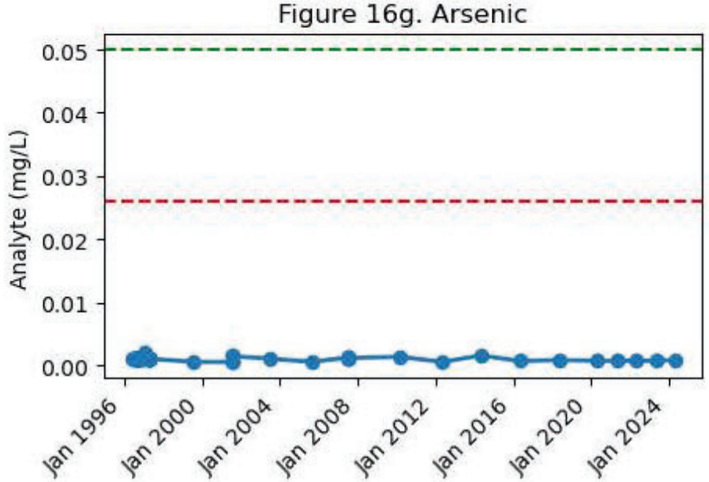

Figure 16h. Barium

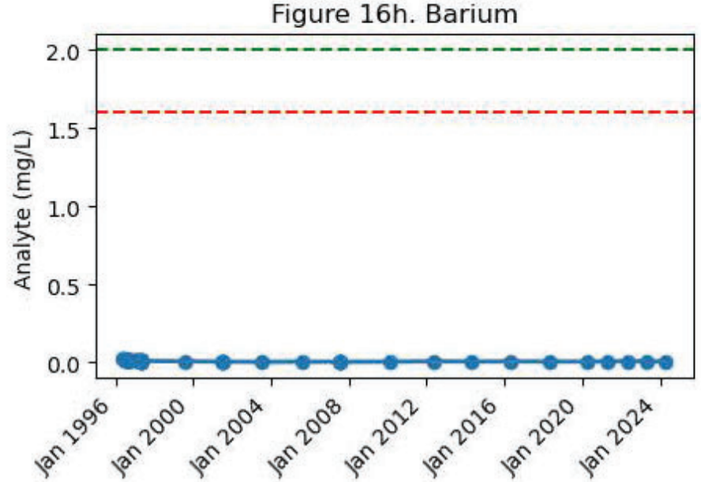

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Figure 16i. Benzene

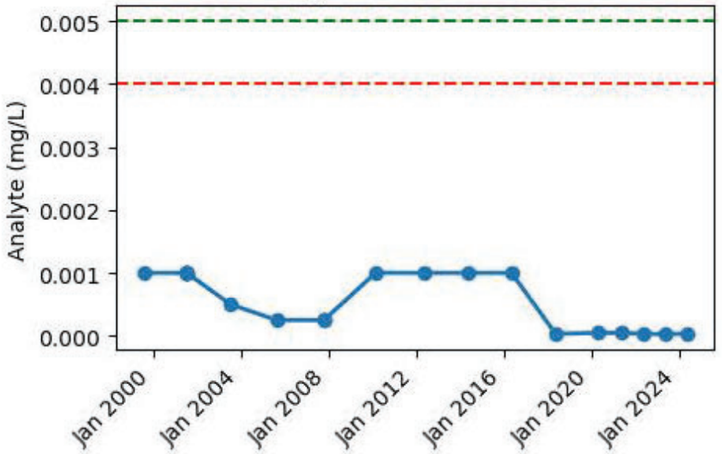

Figure 16j. Beryllium

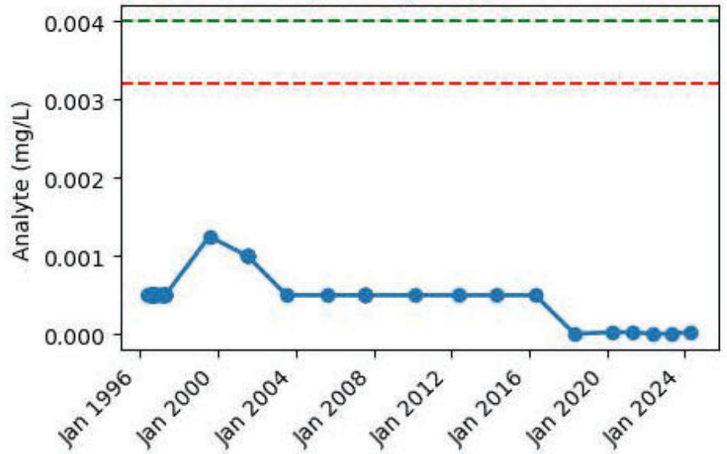

Figure 16k. Cadmium

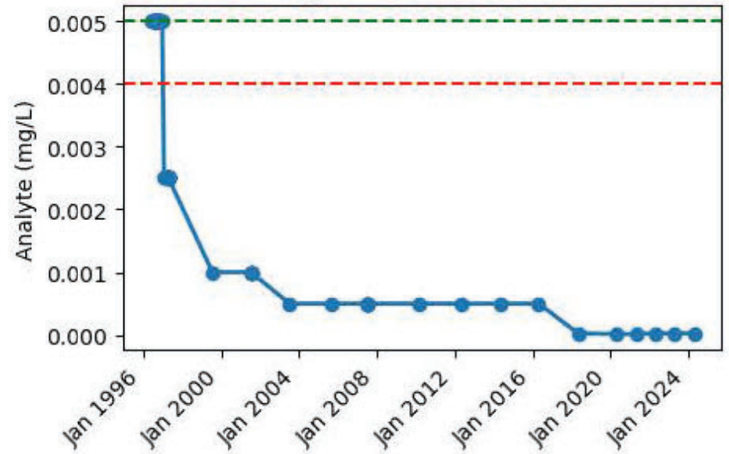

Figure 16l. Calcium

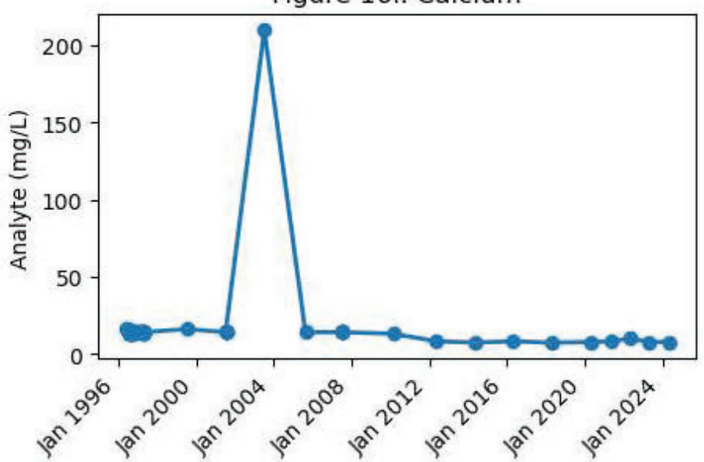

Figure 16m. Chloride

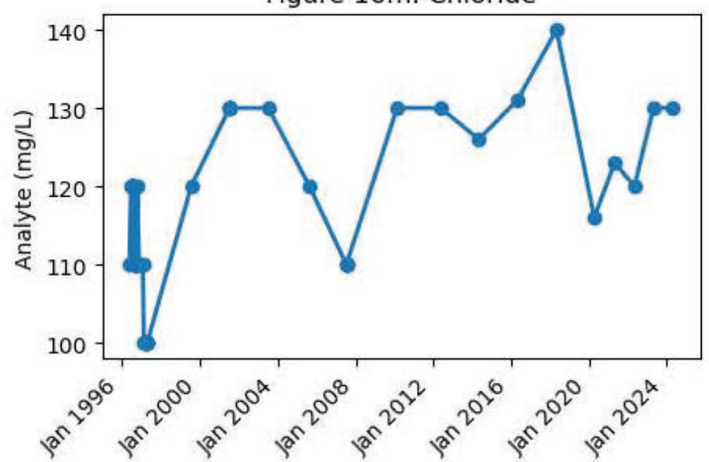

Figure 16n. Chromium

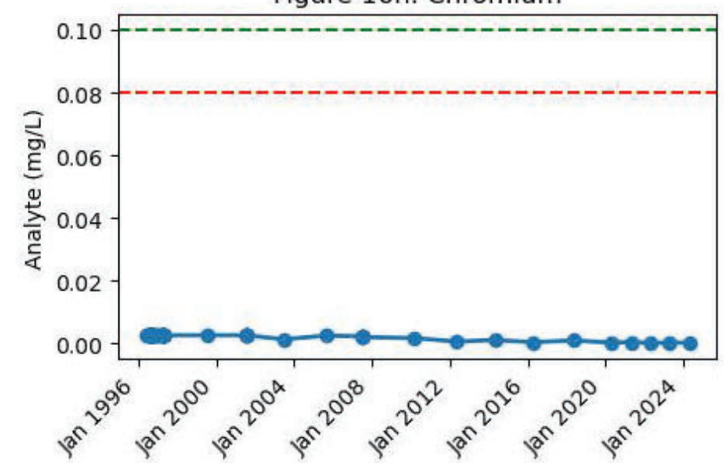

Figure 16o. Cobalt

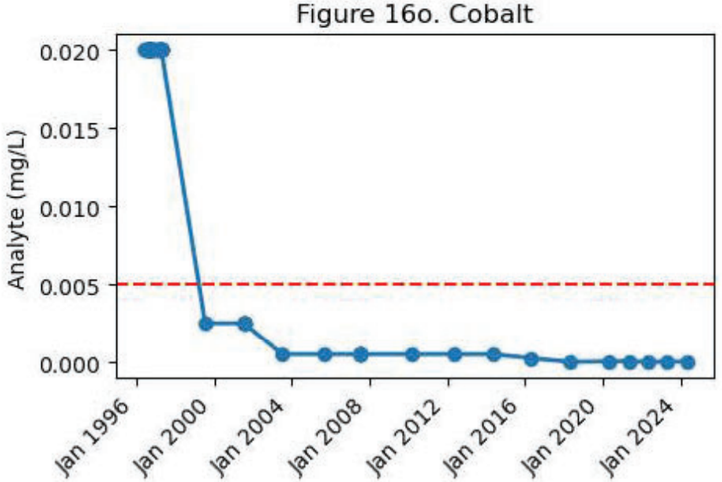

Figure 16p. Copper

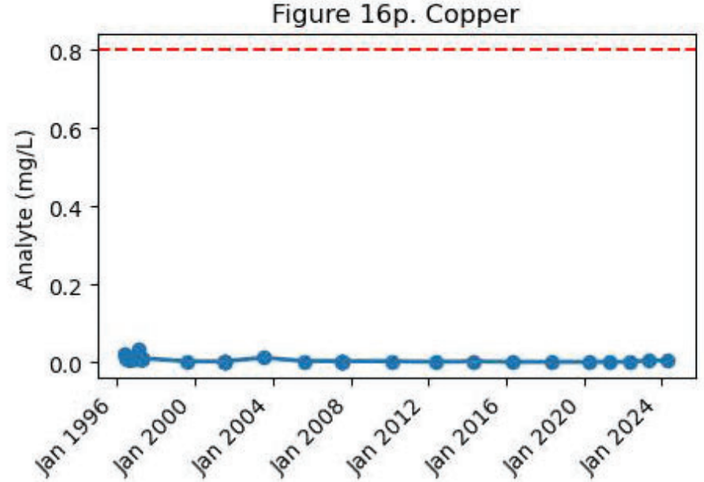

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Figure 16q. Ethylbenzene

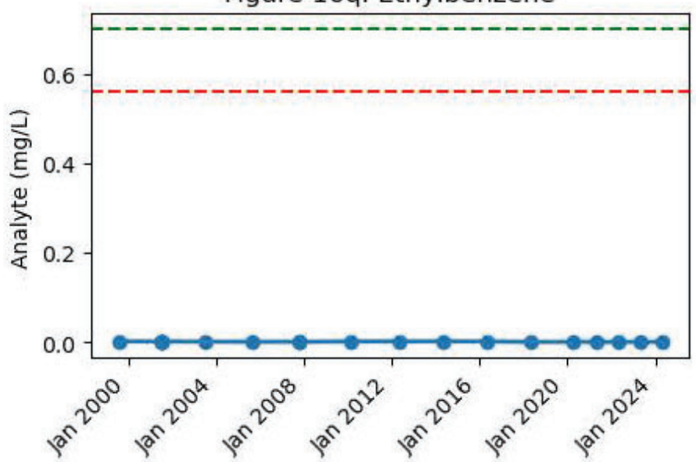

Figure 16r. Fluoride

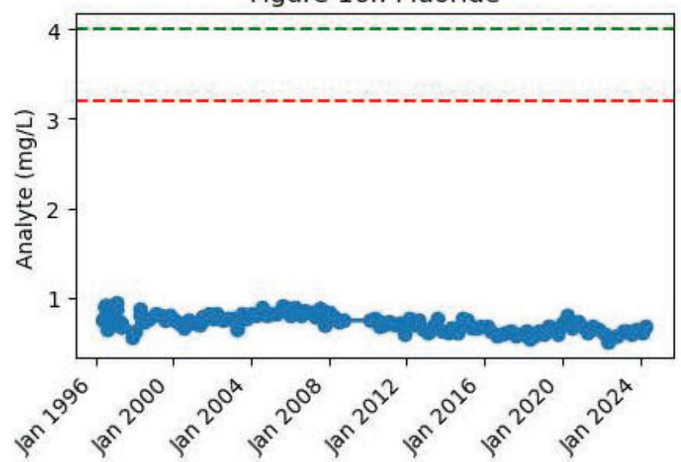

Figure 16s. Gross Alpha Analytes

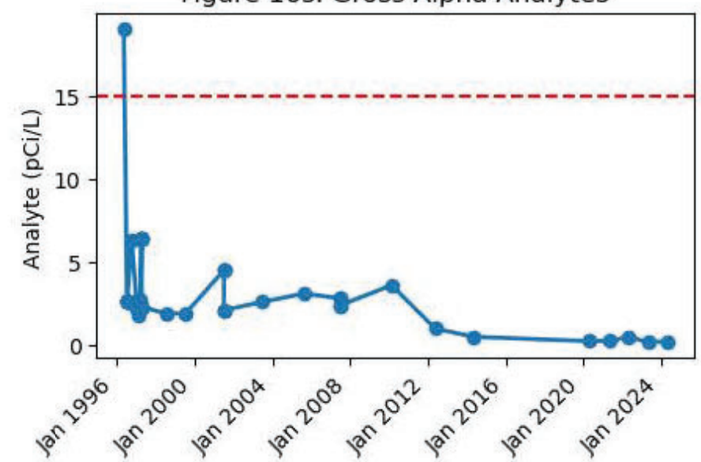

Figure 16t. Iron

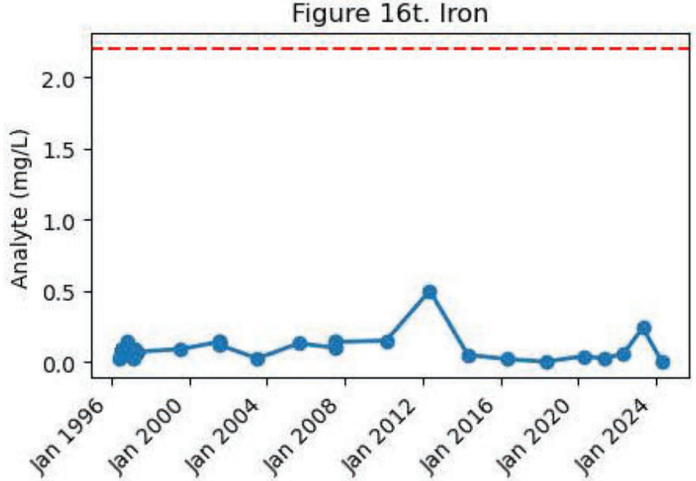

Figure 16u. Lead

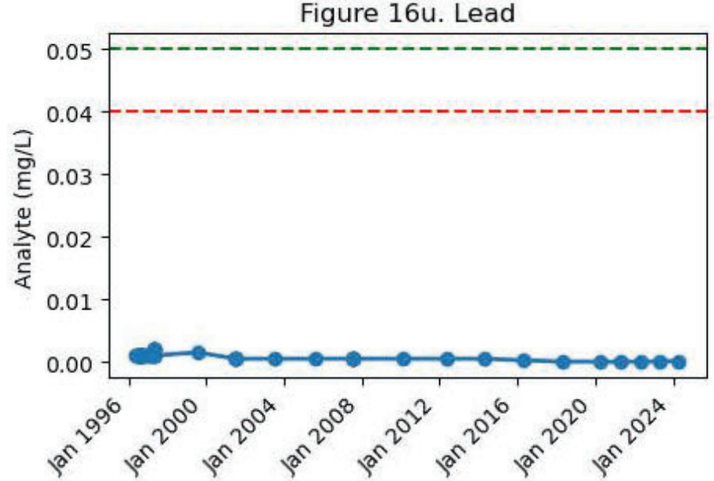

Figure 16v. Magnesium

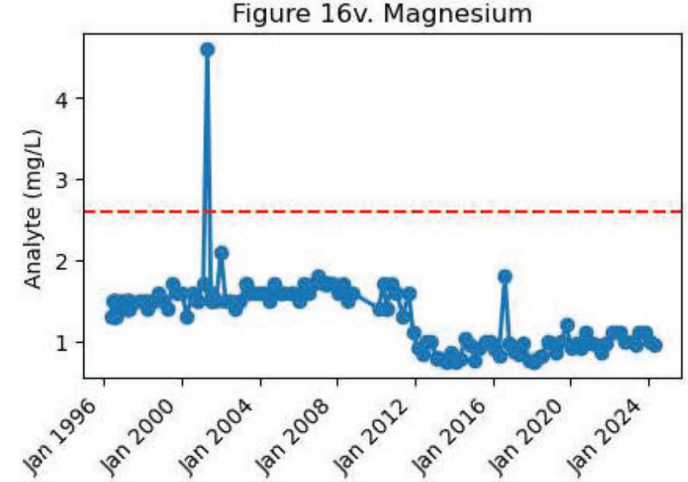

Figure 16w. Manganese

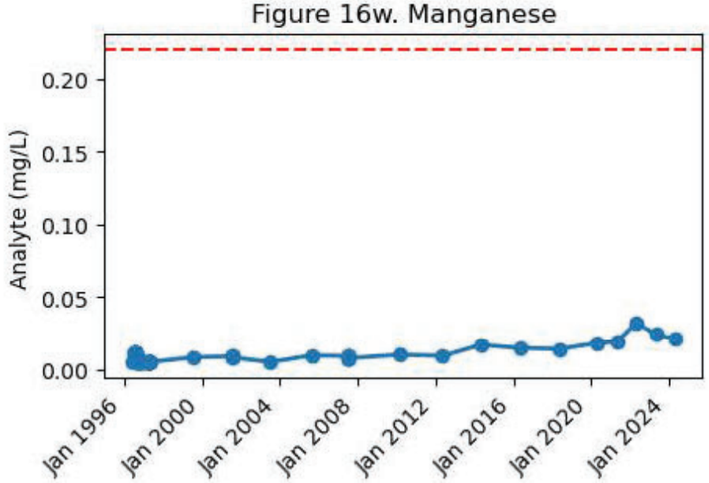

Figure 16x. Mercury

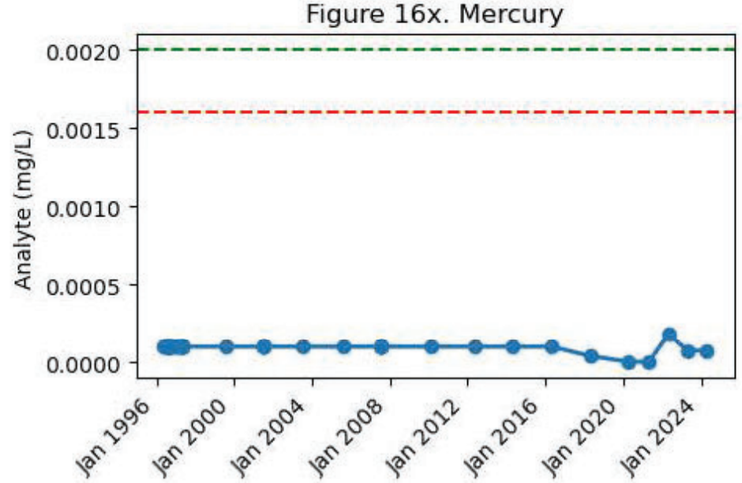

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Figure 16y. Nickel

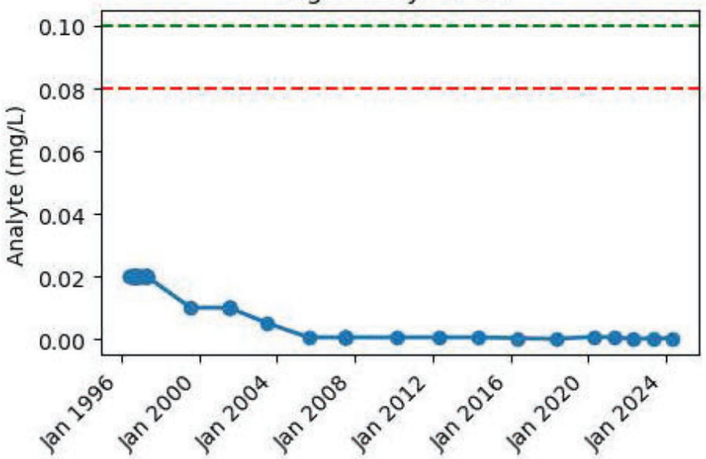

Figure 16z. Nitrate (as N)

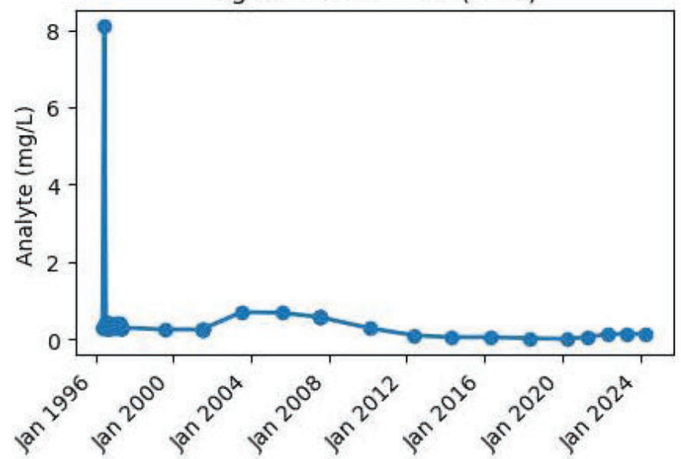

Figure 16aa. pH, Field

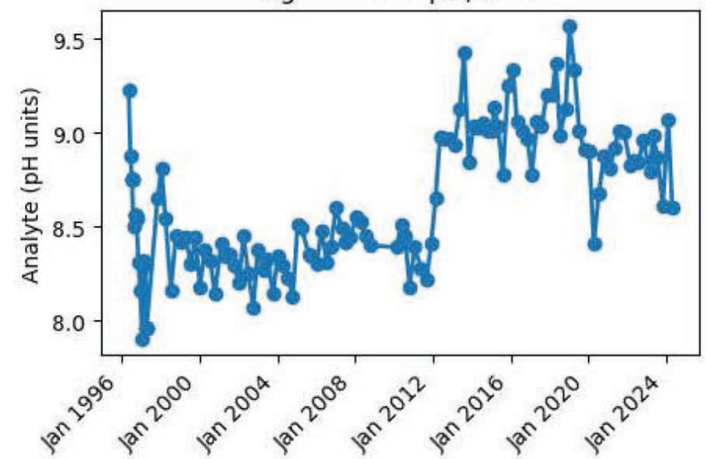

Figure 16ab. Potassium

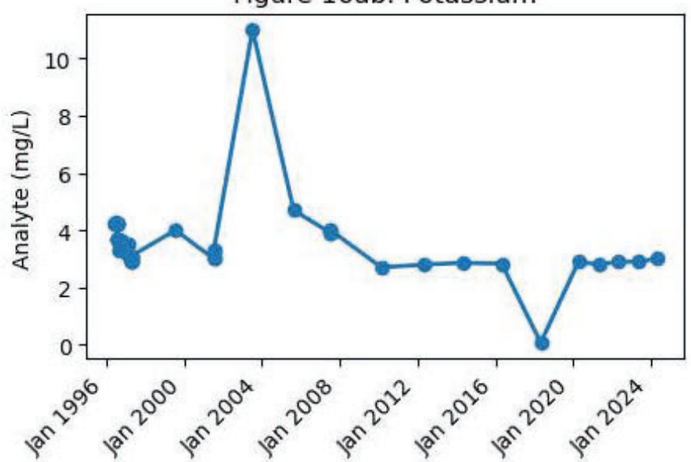

Figure 16ac. Radium-226 & 228

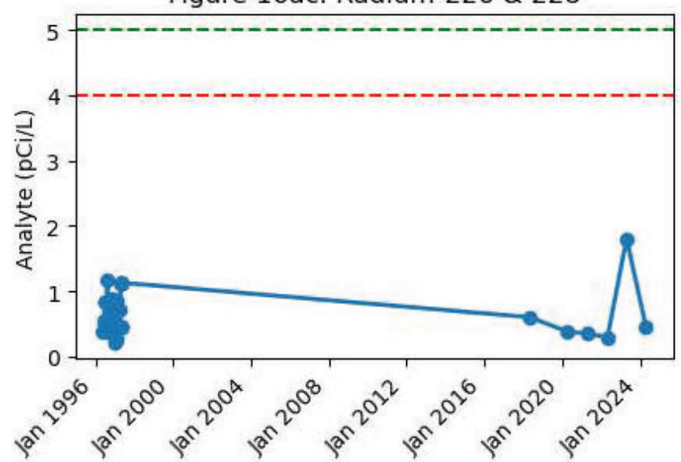

Figure 16ad. Selenium

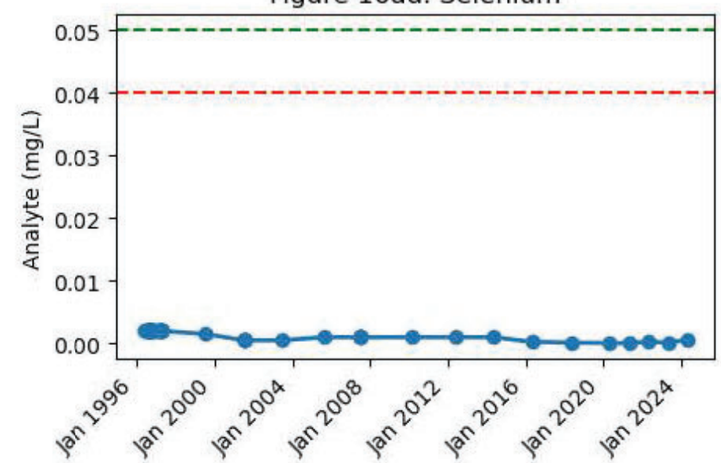

Figure 16ae. Sodium

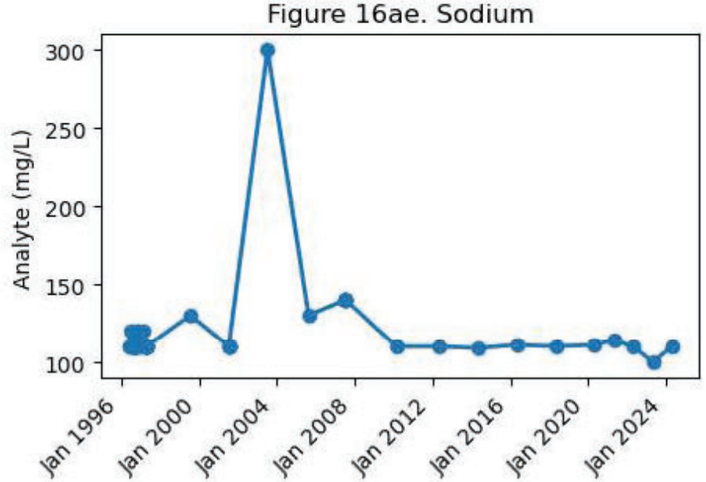

Figure 16af. Specific Conductance, Field

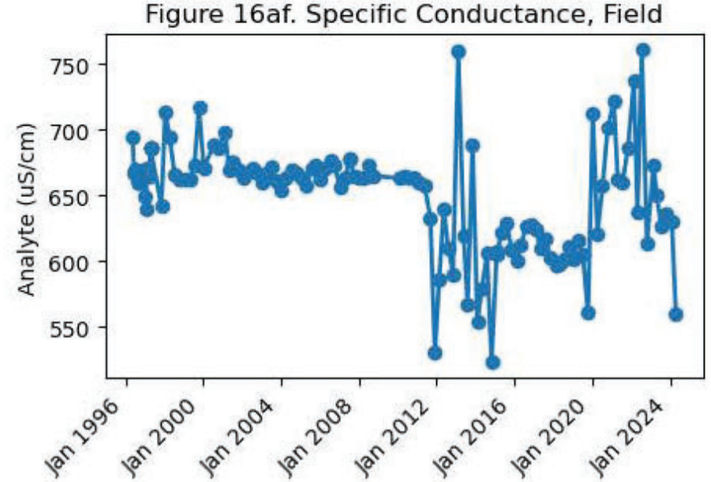

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Figure 16ag. Sulfate

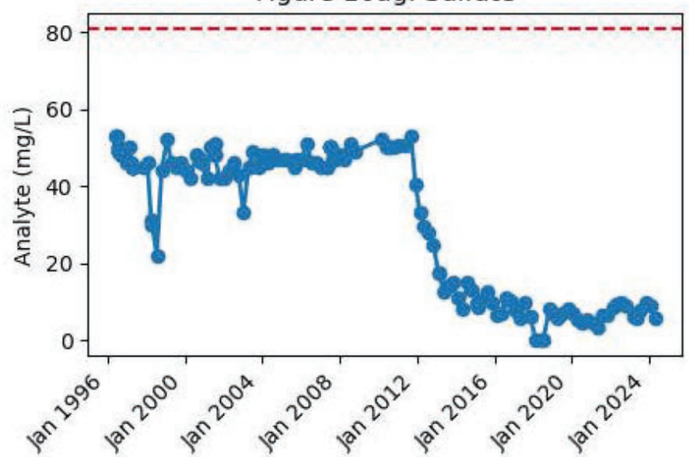

Figure 16ah. Temperature, Field

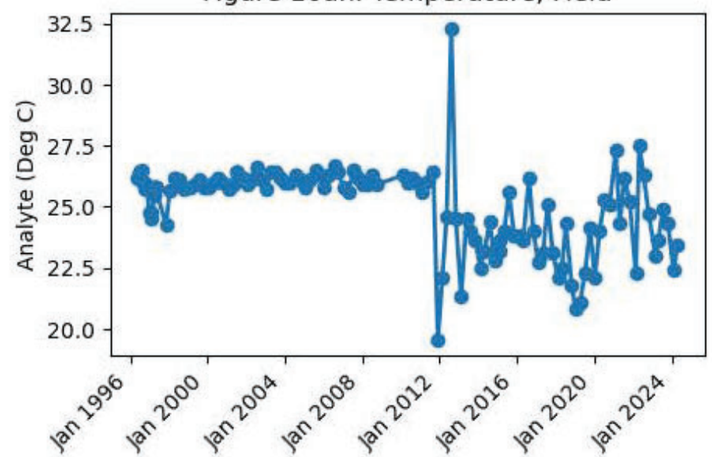

Figure 16ai. Thallium

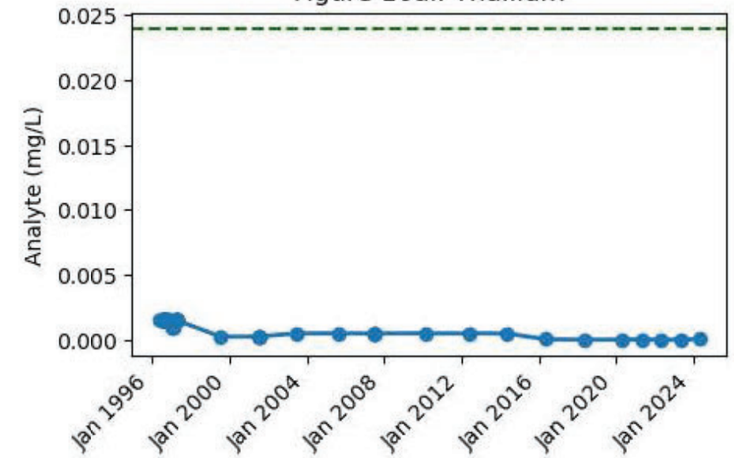

Figure 16aj. Toluene

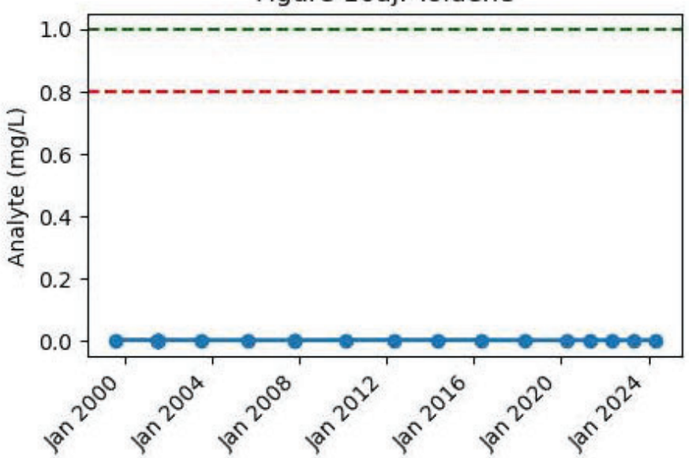

Figure 16ak. Total Dissolved Solids (TDS)

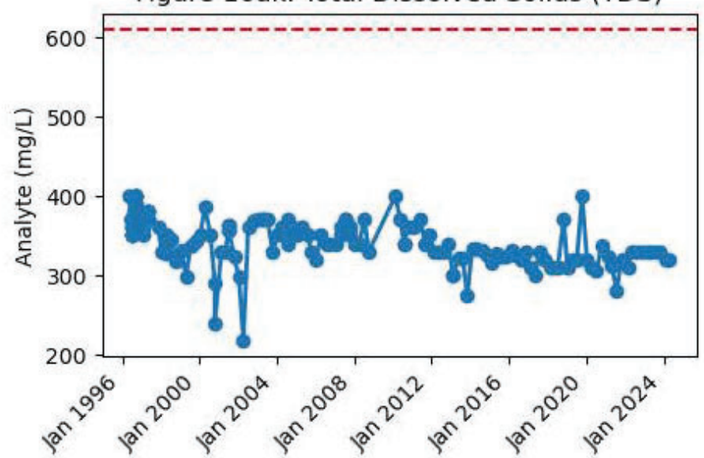

Figure 16al. Total Petroleum Hydrocarbons (C10-C22) Diesel

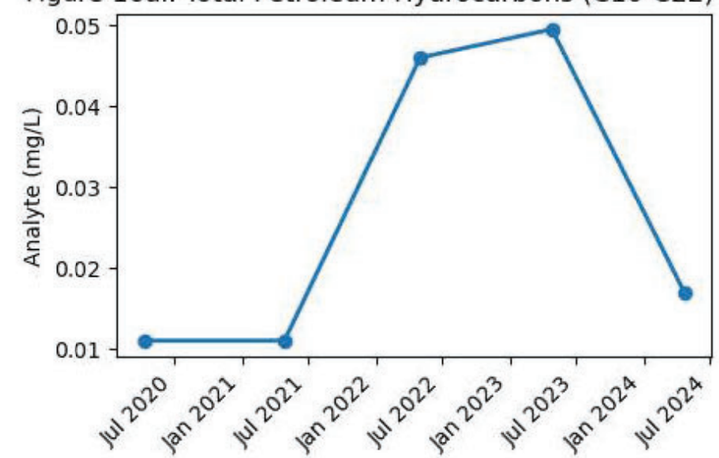

Figure 16am. Turbidity, Field

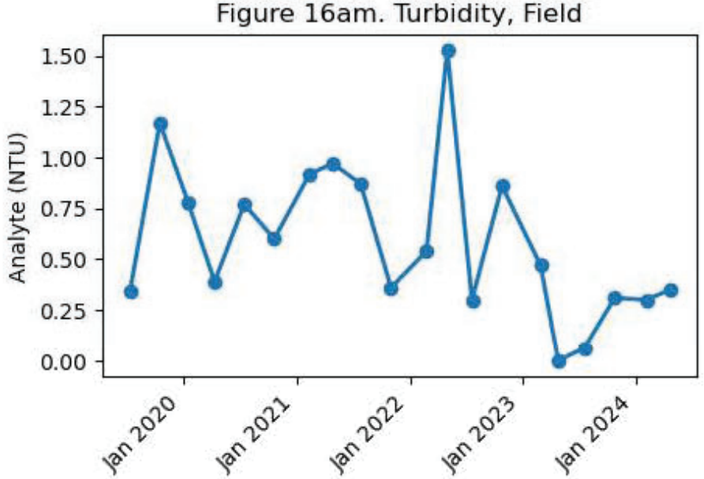

Figure 16an. Uranium

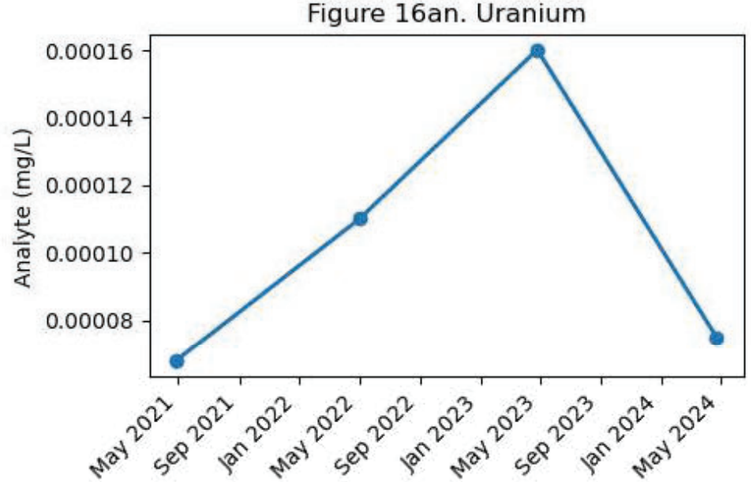

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Figure 16ao. Xylene (Total)

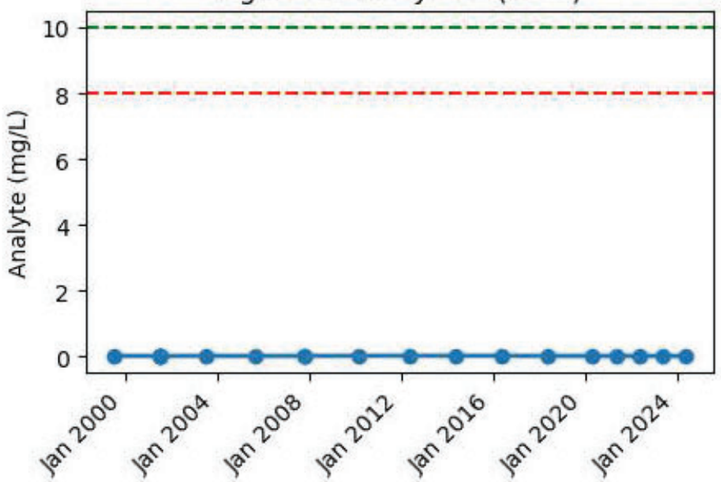

Figure 16ap. Zinc

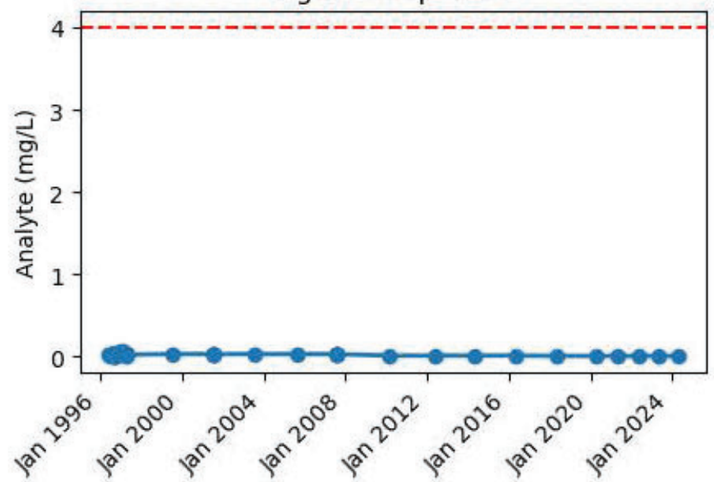

Figure 16aq. Total Uranium Isotopes

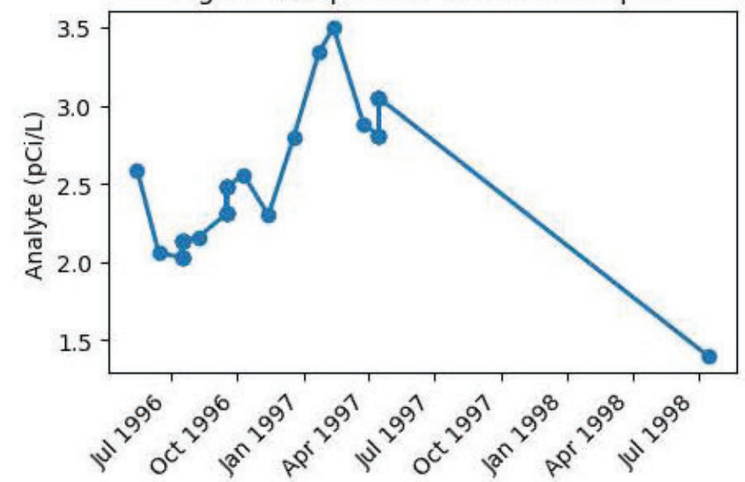

Figure 16ar. Ion Balance

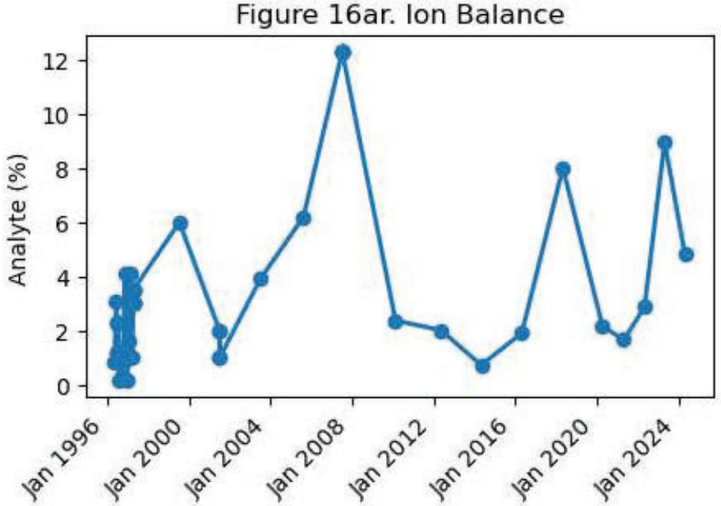

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Figure 17a. Alkalinity, Bicarbonate

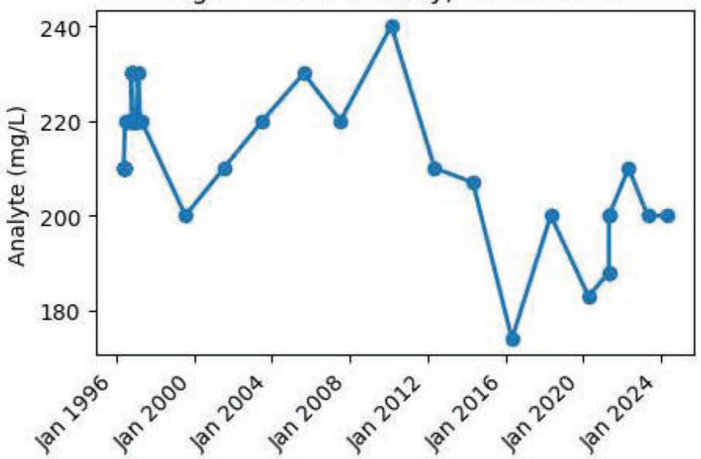


Figure 17b. Alkalinity, Carbonate

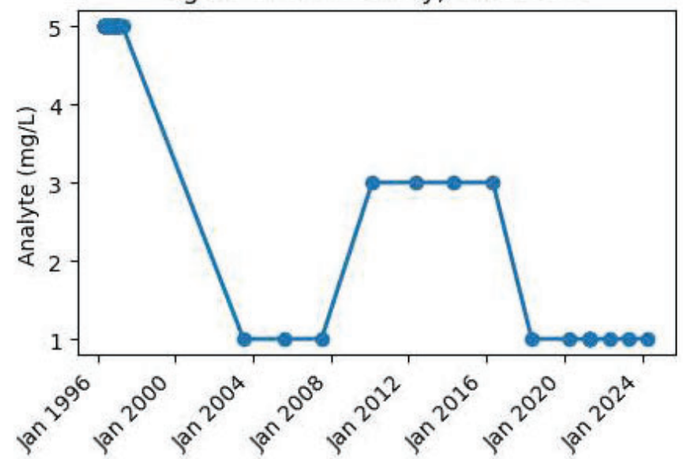


Figure 17c. Alkalinity, Hydroxide

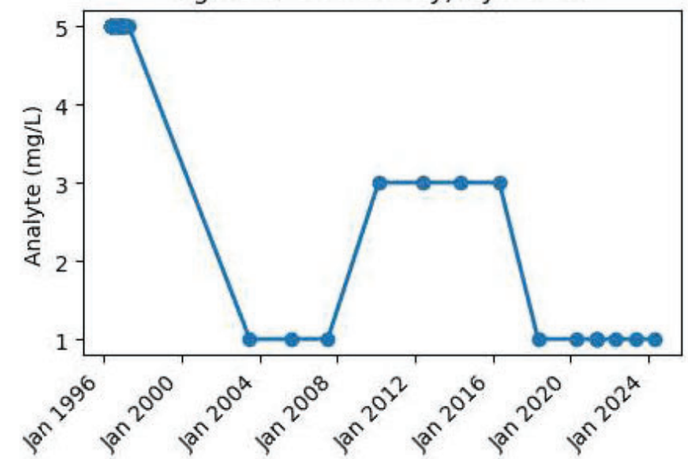


Figure 17d. Alkalinity, Total (as CaCO3)

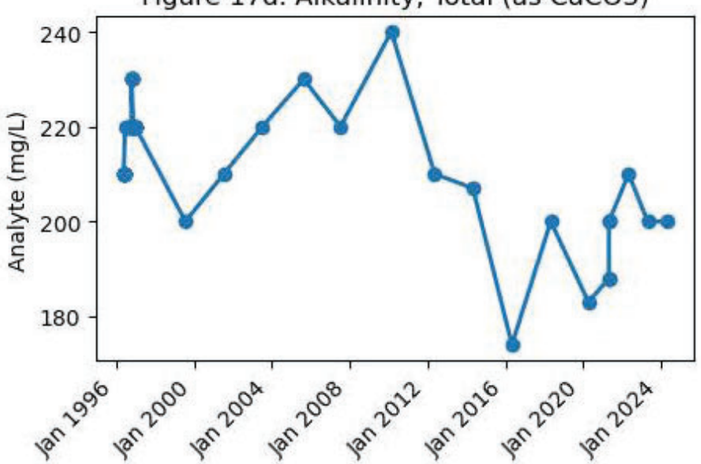


Figure 17e. Aluminum

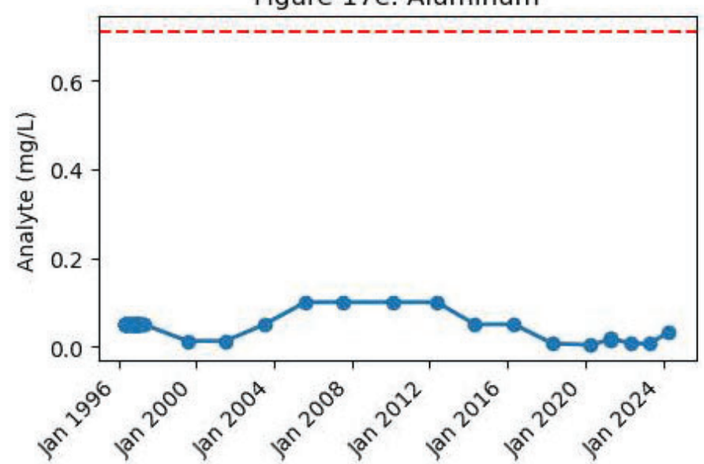


Figure 17f. Antimony

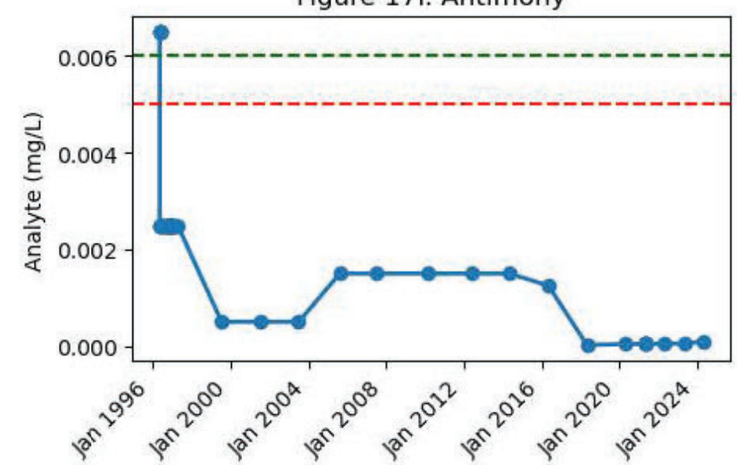


Figure 17g. Arsenic

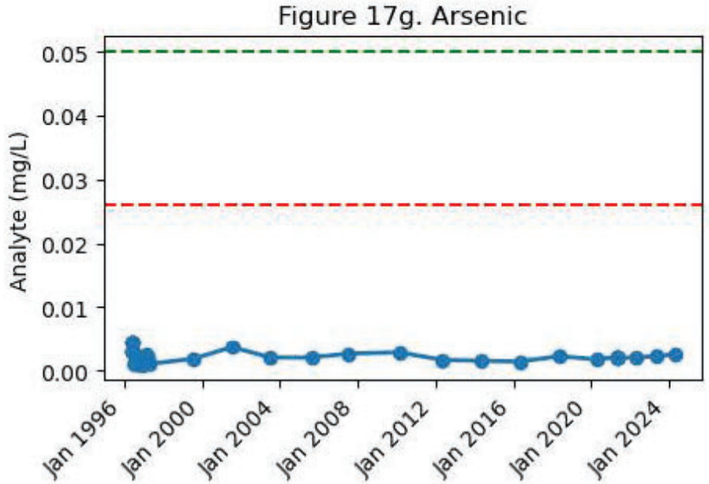
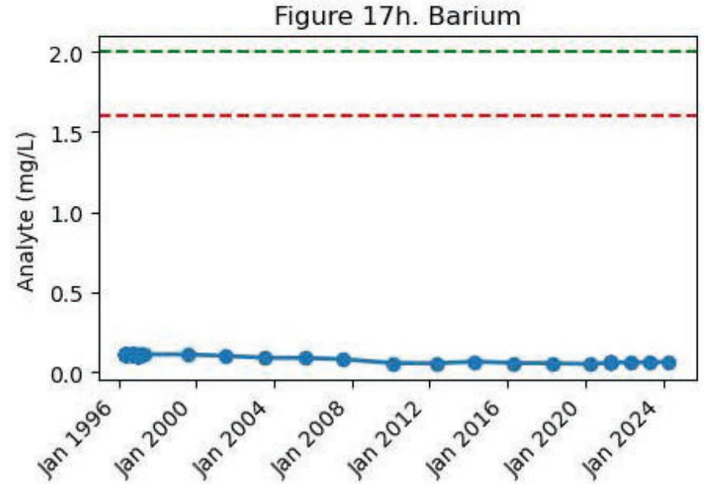


Figure 17h. Barium



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M29-UBF Quarterly Analyte Graphs

Figure 17i. Benzene

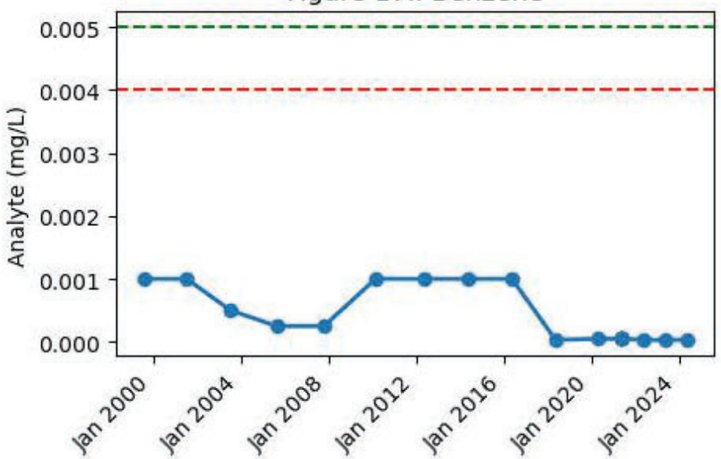


Figure 17j. Beryllium

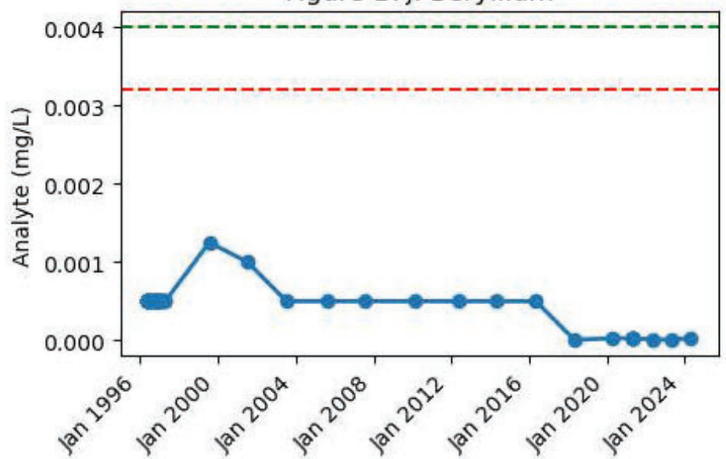


Figure 17k. Cadmium

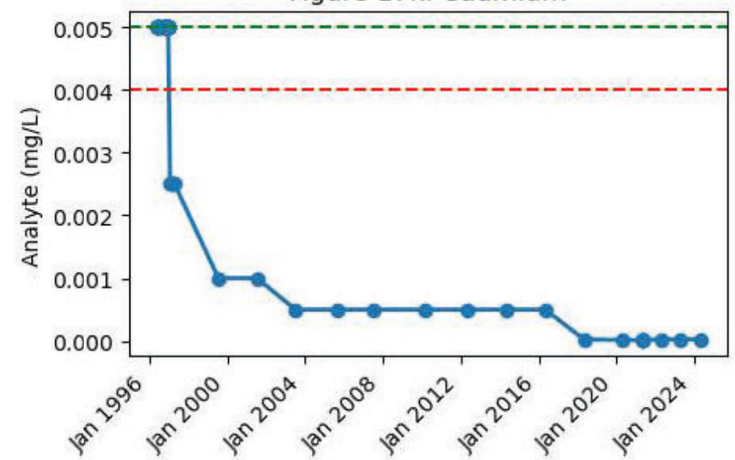


Figure 17l. Calcium

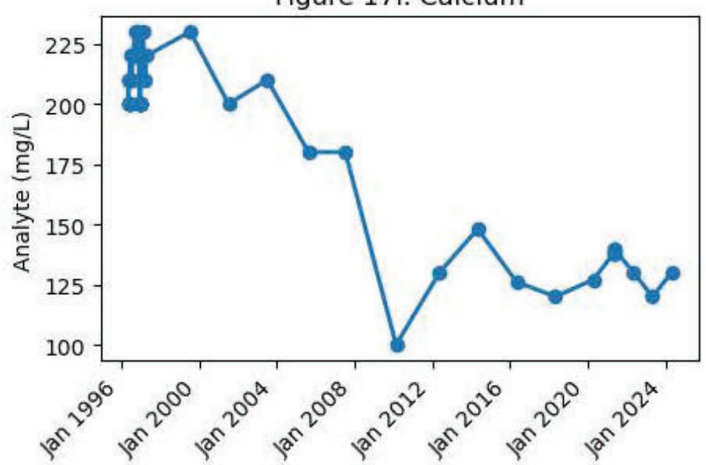


Figure 17m. Chloride

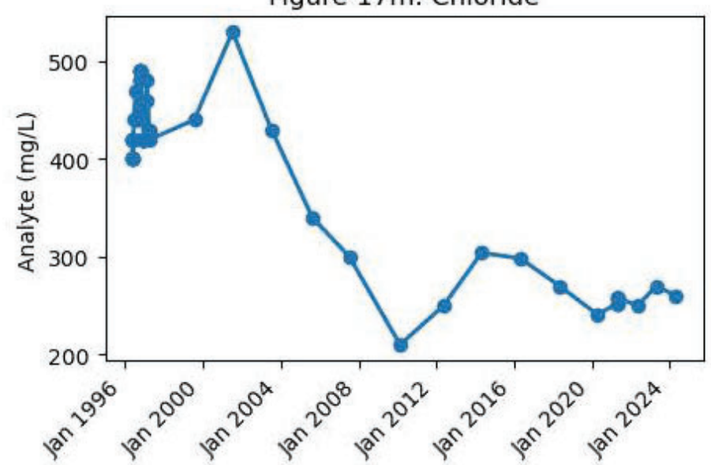


Figure 17n. Chromium

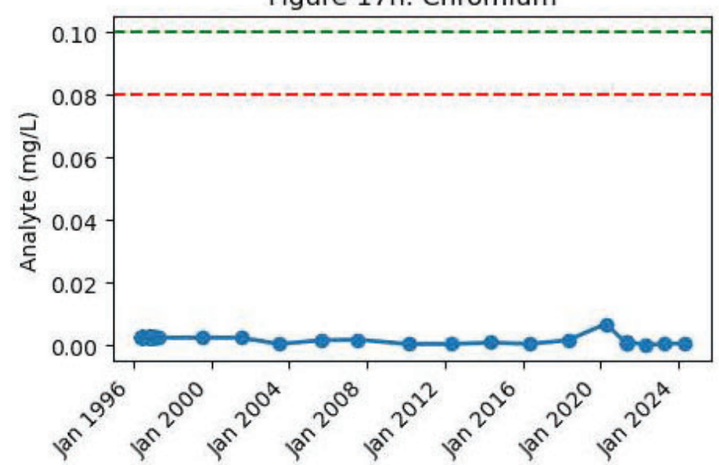


Figure 17o. Cobalt

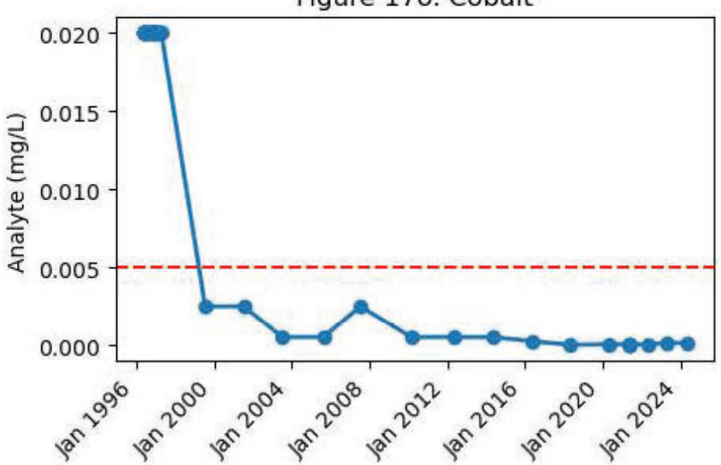
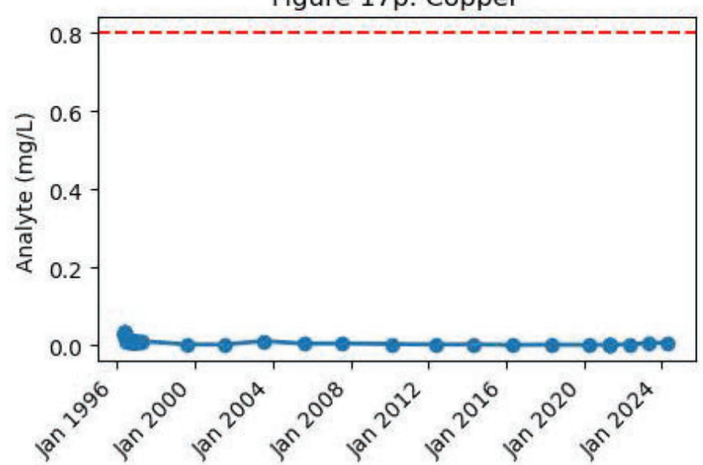


Figure 17p. Copper



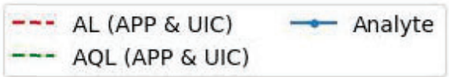


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Figure 17q. Ethylbenzene

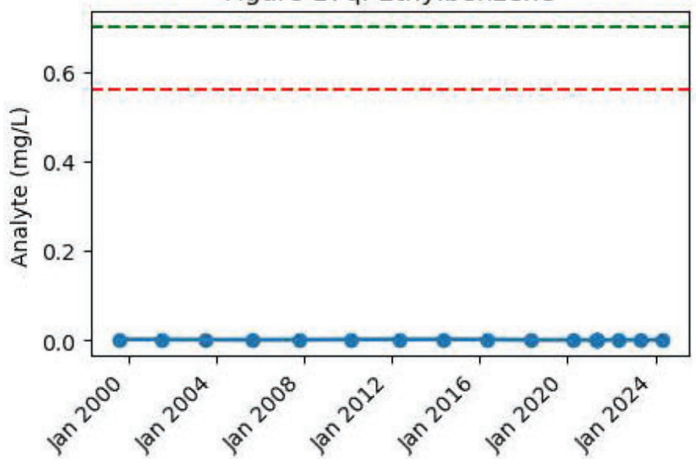

Figure 17r. Fluoride

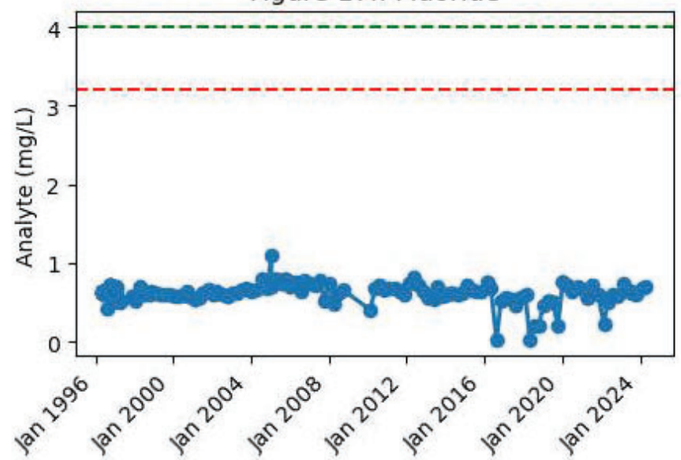

Figure 17s. Gross Alpha Analytes

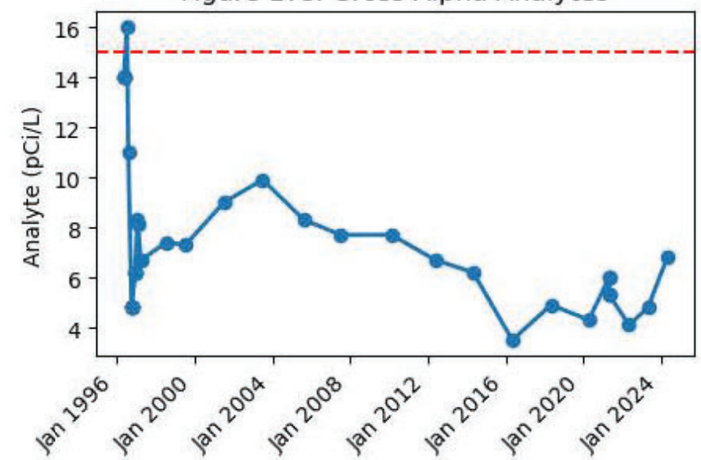

Figure 17t. Iron

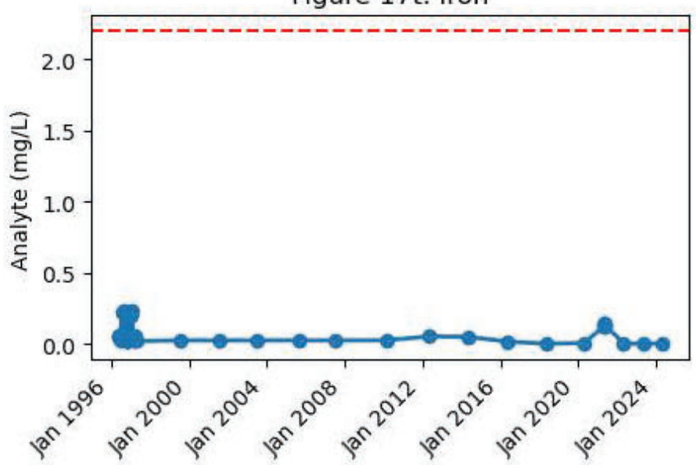

Figure 17u. Lead

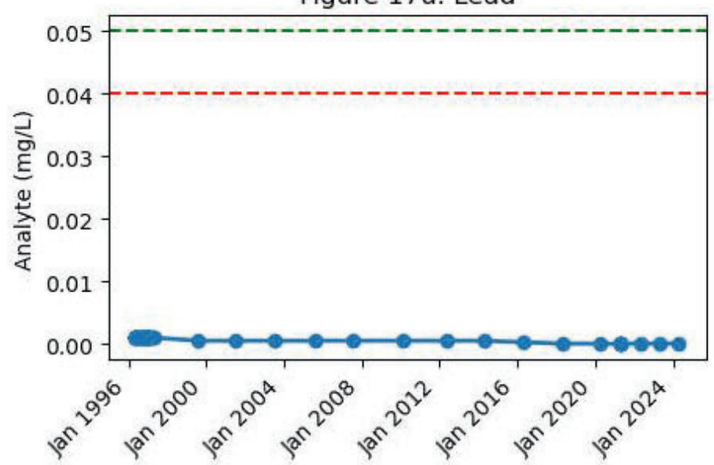

Figure 17v. Magnesium

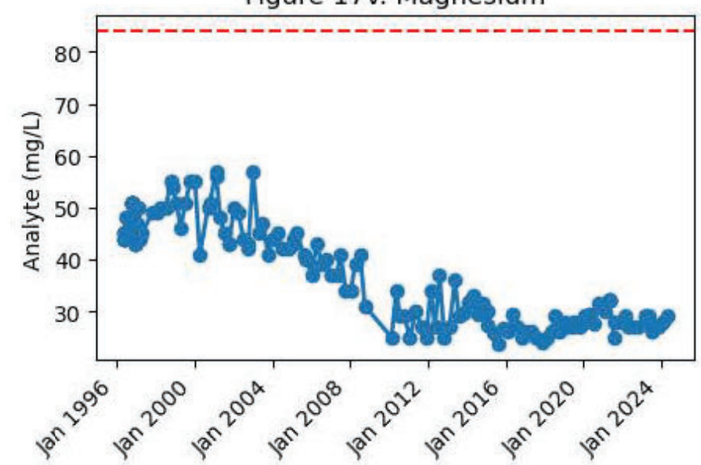

Figure 17w. Manganese

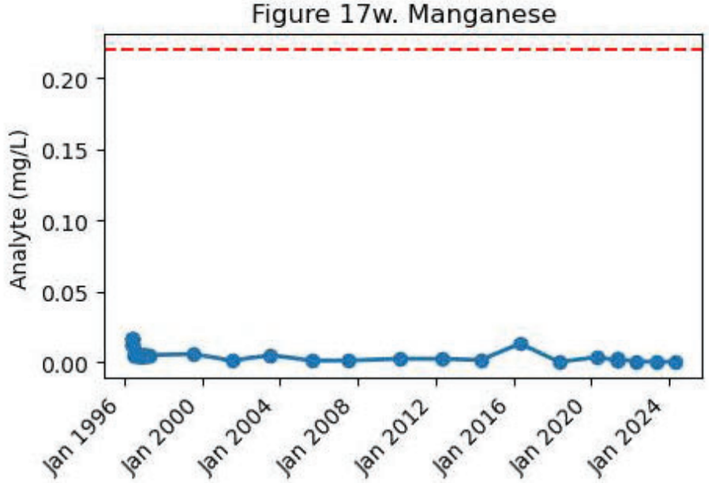

Figure 17x. Mercury

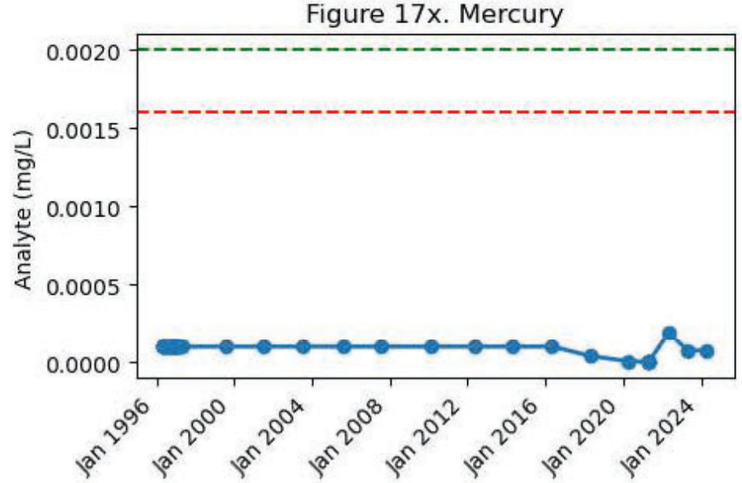

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Figure 17y. Nickel

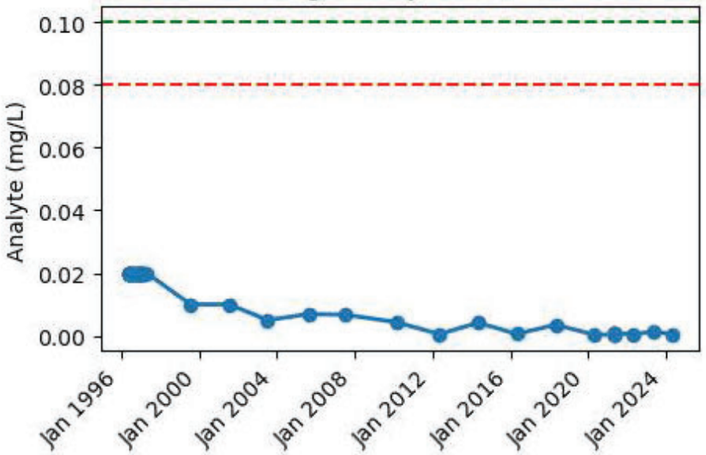


Figure 17z. Nitrate (as N)

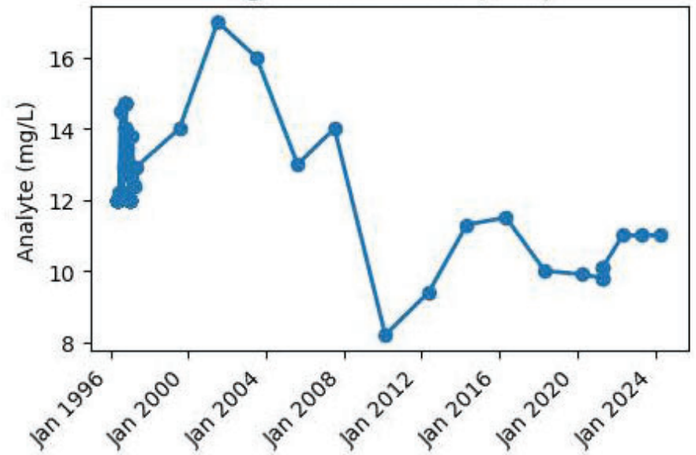


Figure 17aa. pH, Field

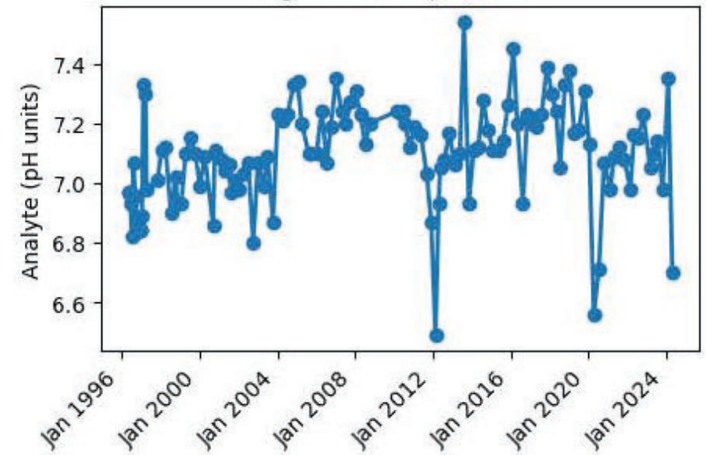


Figure 17ab. Potassium

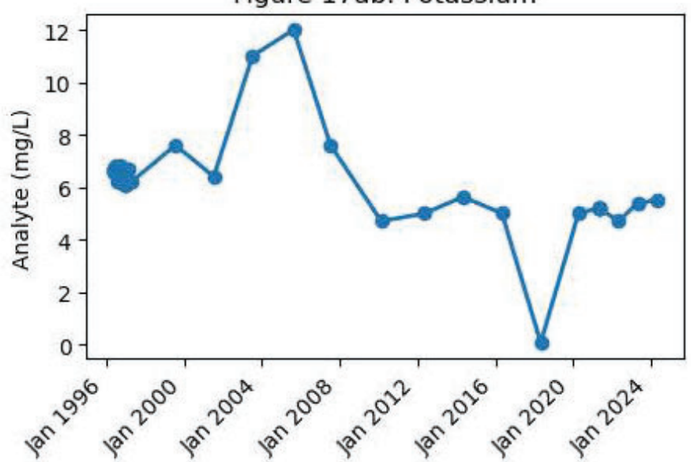


Figure 17ac. Radium-226 & 228

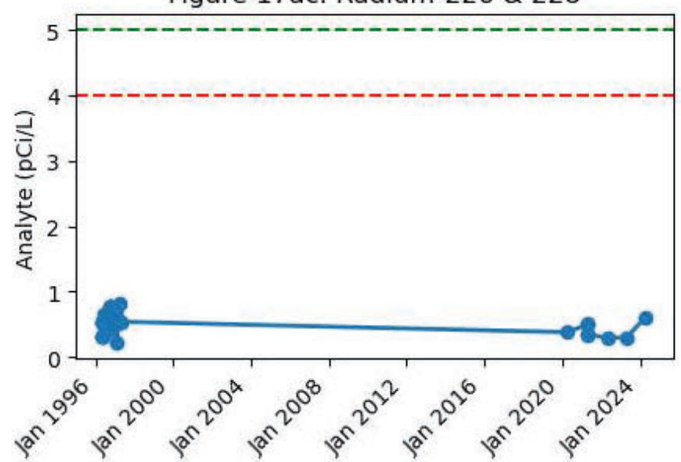


Figure 17ad. Selenium

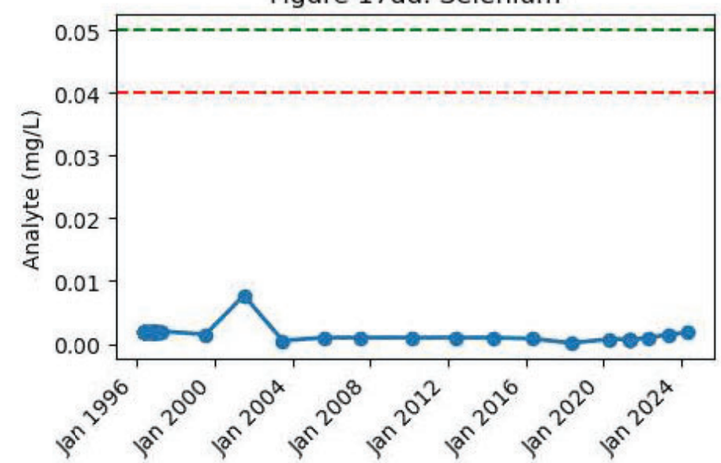


Figure 17ae. Sodium

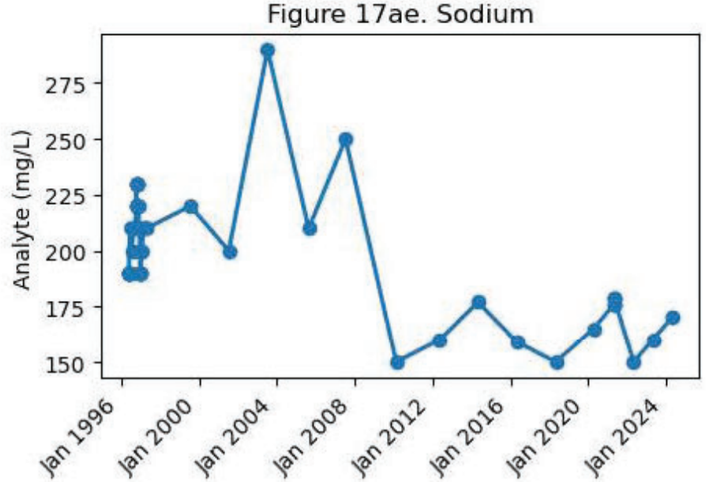
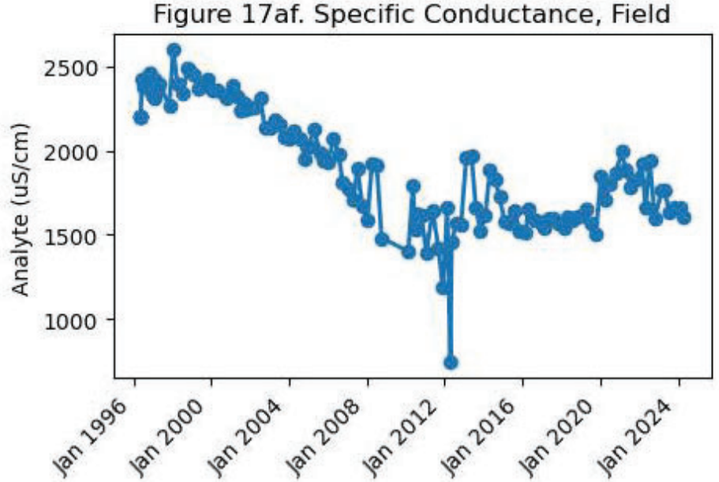


Figure 17af. Specific Conductance, Field



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M29-UBF Quarterly Analyte Graphs

Figure 17ag. Sulfate

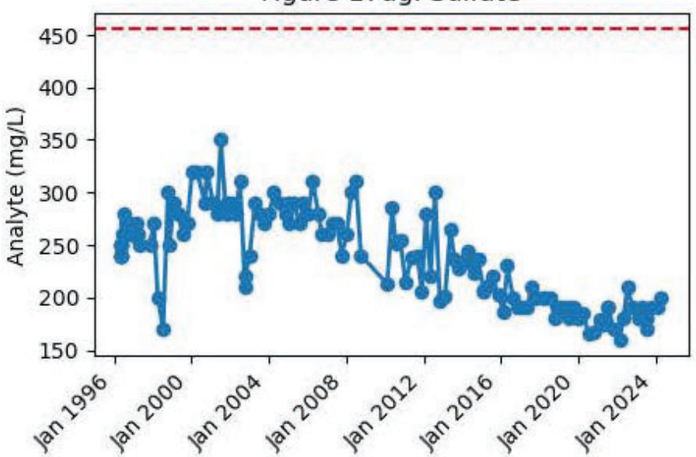


Figure 17ah. Temperature, Field

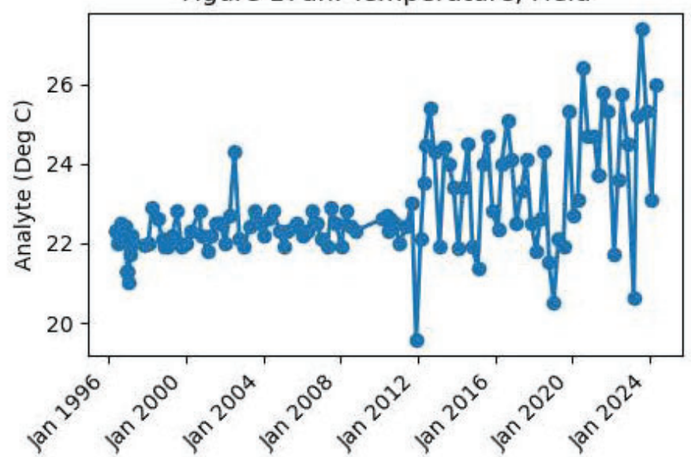


Figure 17ai. Thallium

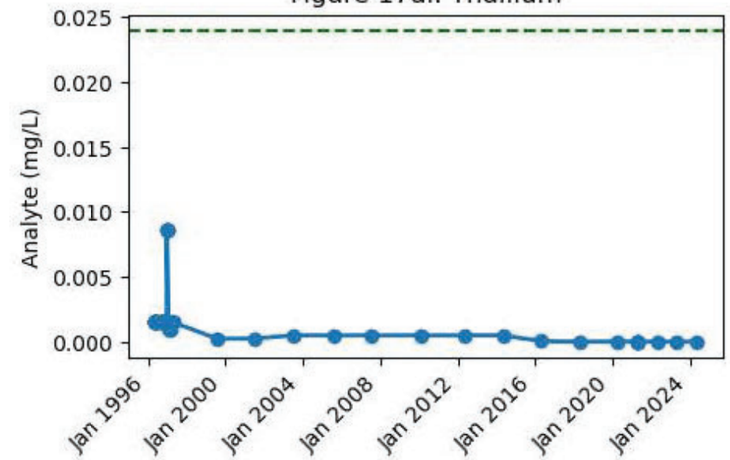


Figure 17aj. Toluene

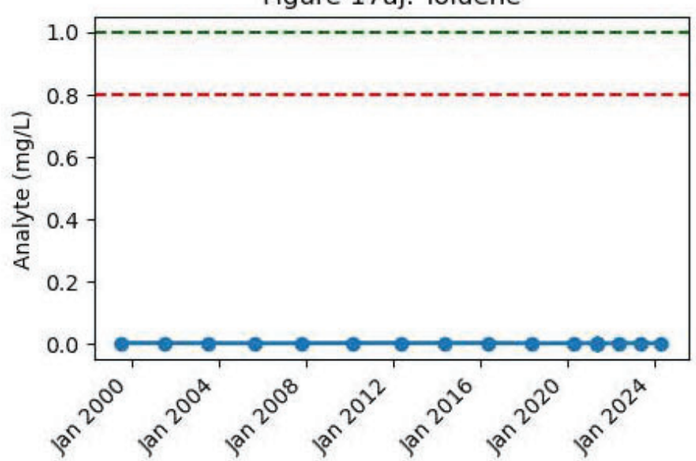


Figure 17ak. Total Dissolved Solids (TDS)

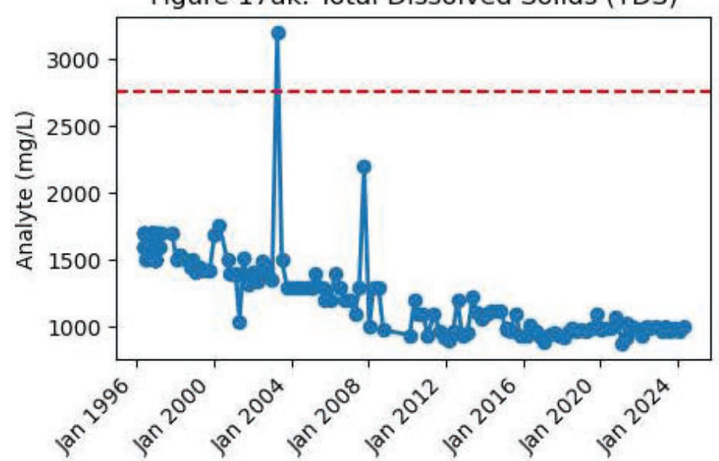


Figure 17al. Total Petroleum Hydrocarbons (C10-C22) Diesel

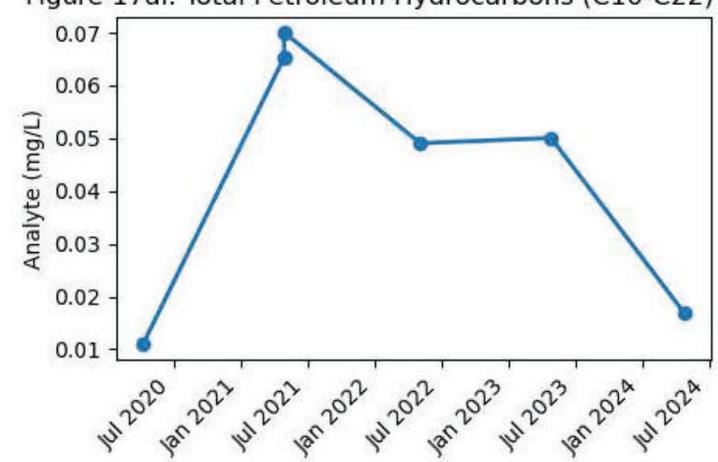


Figure 17am. Turbidity, Field

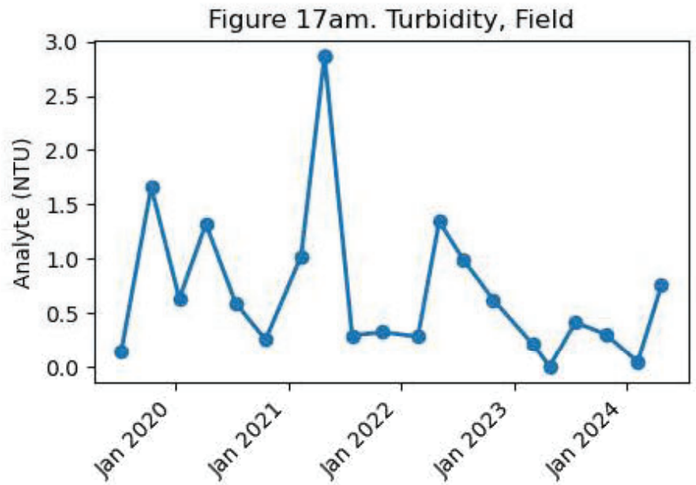
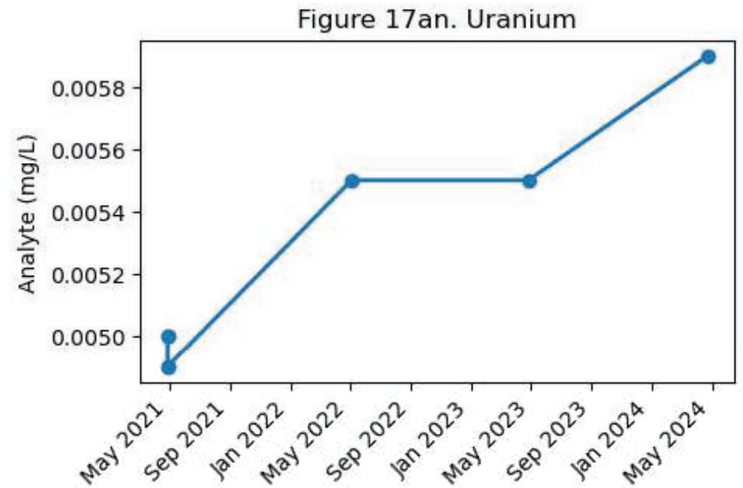


Figure 17an. Uranium



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M29-UBF Quarterly Analyte Graphs

Figure 17ao. Xylene (Total)

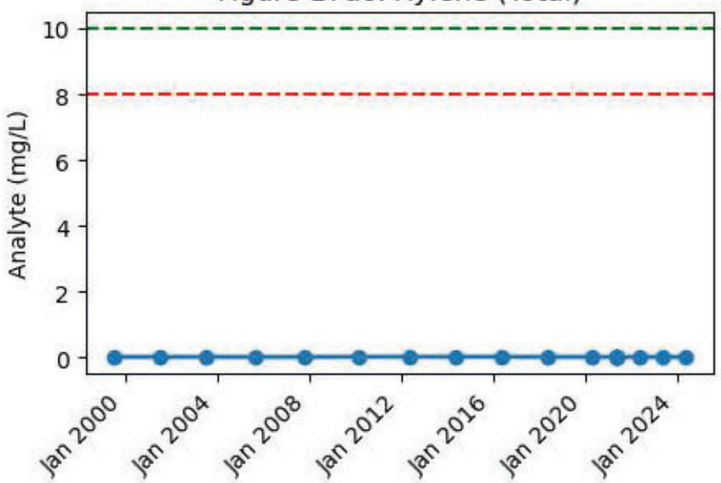


Figure 17ap. Zinc

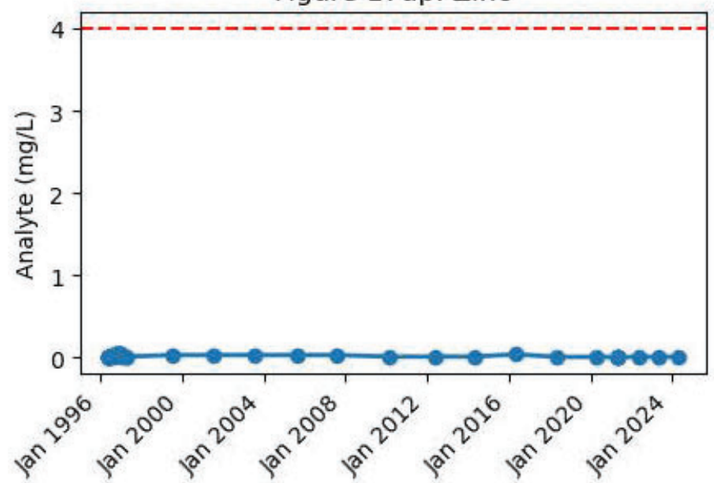


Figure 17aq. Total Uranium Isotopes

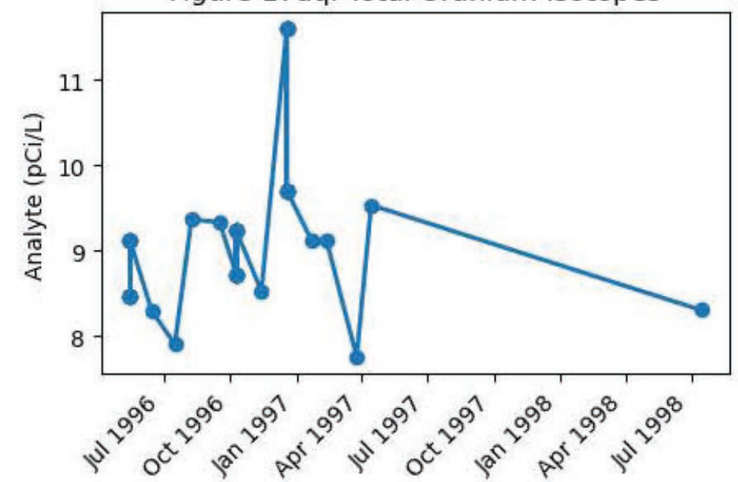
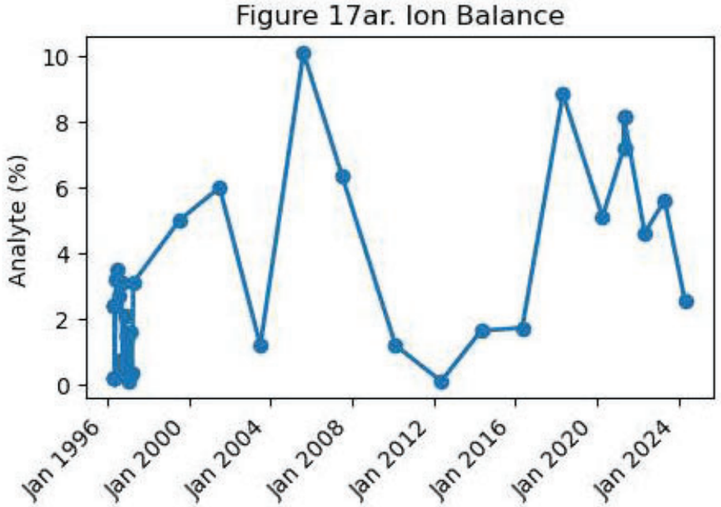


Figure 17ar. Ion Balance



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M2-GU Quarterly Analyte Graphs

Figure 18a. Alkalinity, Bicarbonate

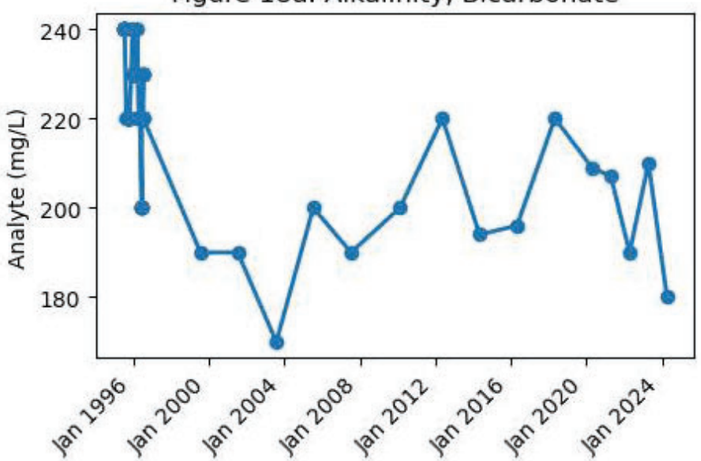


Figure 18b. Alkalinity, Carbonate

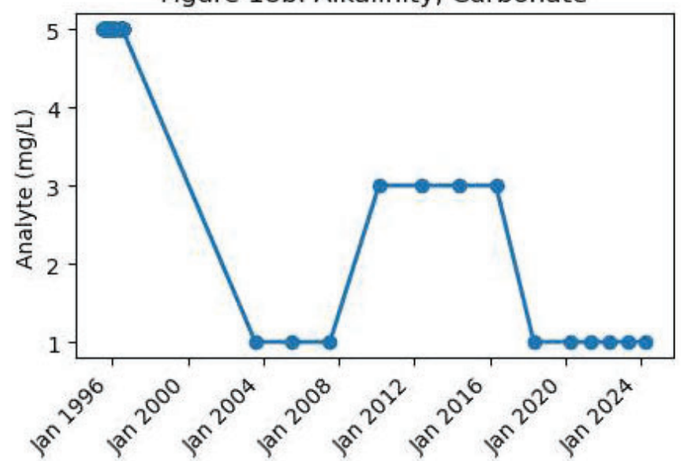


Figure 18c. Alkalinity, Hydroxide

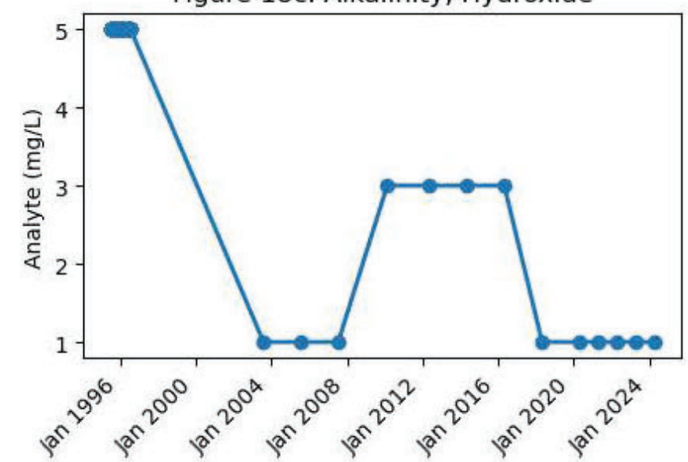


Figure 18d. Alkalinity, Total (as CaCO3)

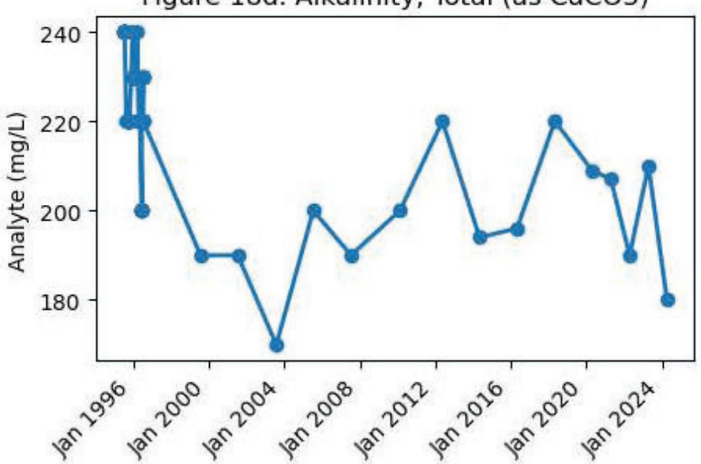


Figure 18e. Aluminum

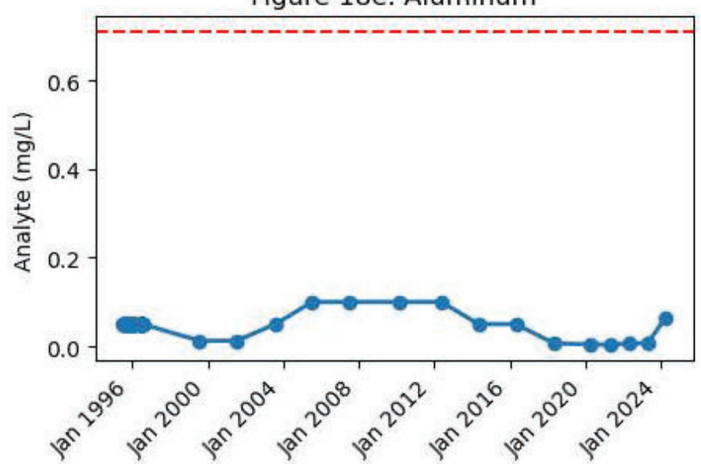


Figure 18f. Antimony

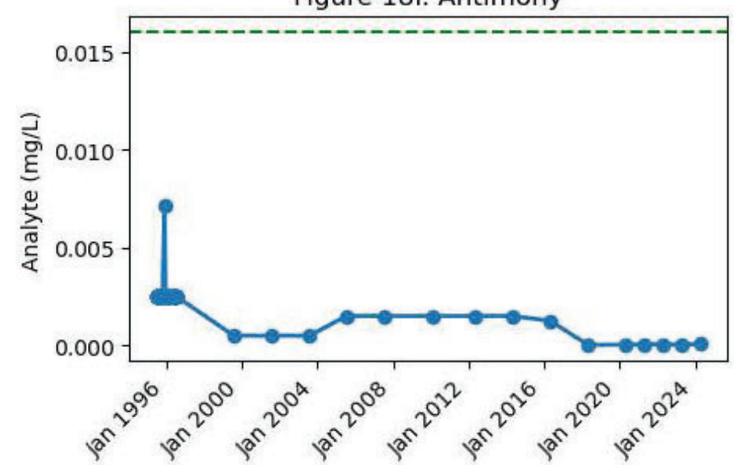


Figure 18g. Arsenic

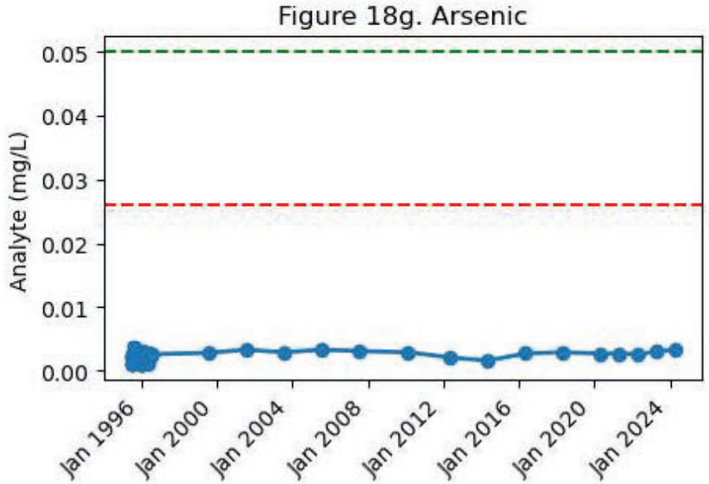
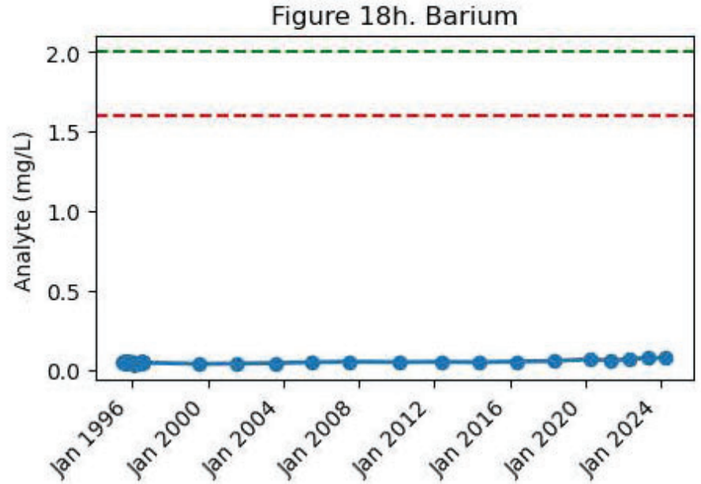
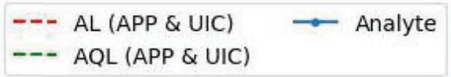


Figure 18h. Barium





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M2-GU Quarterly Analyte Graphs

Figure 18i. Benzene

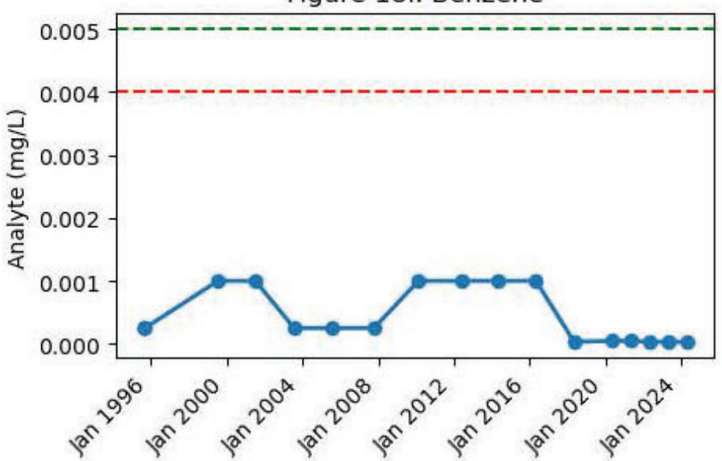

Figure 18j. Beryllium

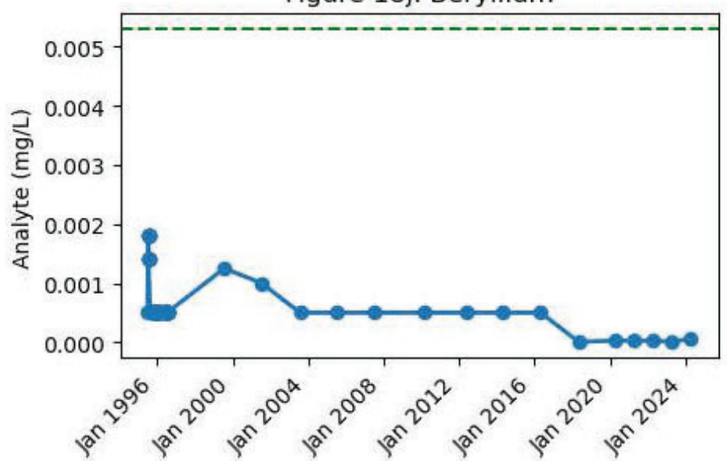

Figure 18k. Cadmium

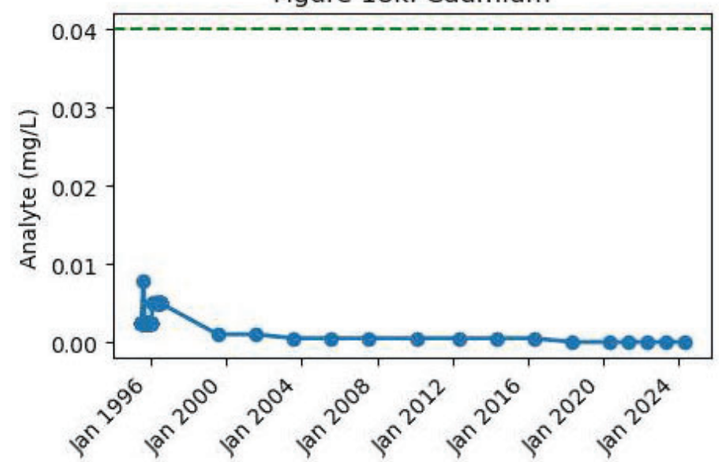

Figure 18l. Calcium

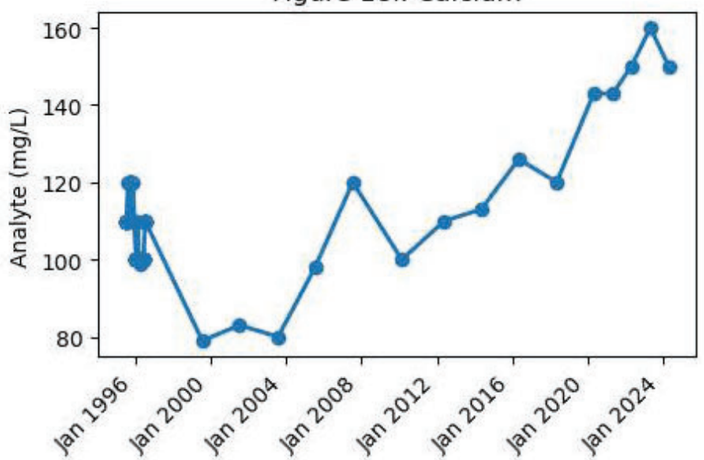

Figure 18m. Chloride

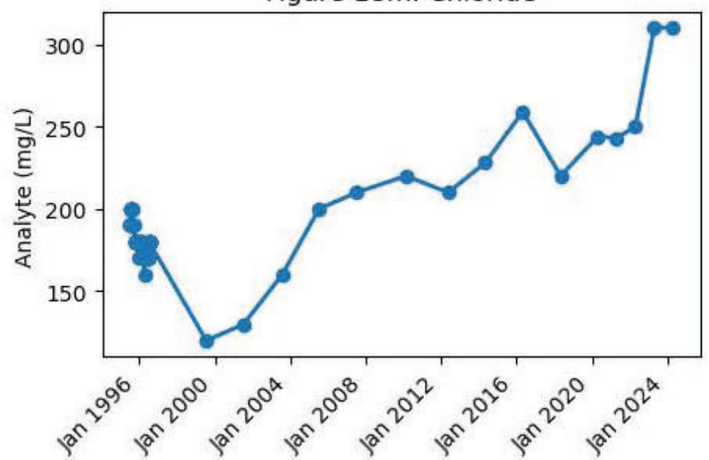

Figure 18n. Chromium

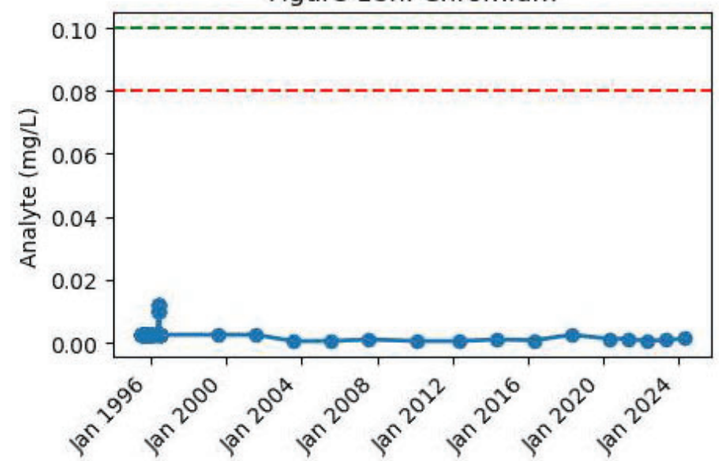

Figure 18o. Cobalt

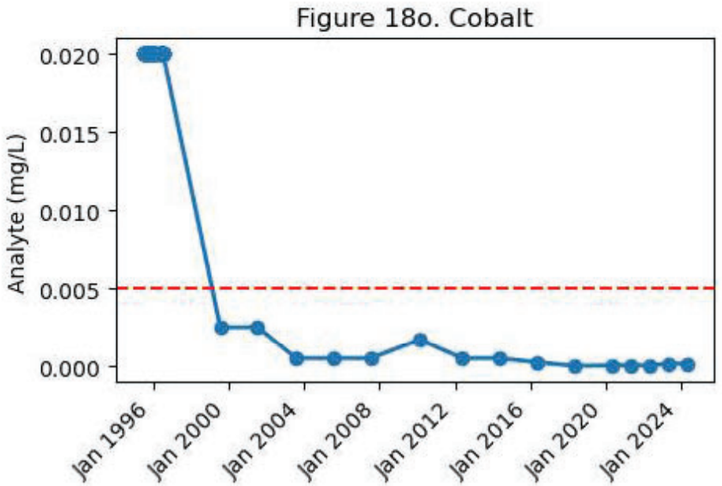

Figure 18p. Copper

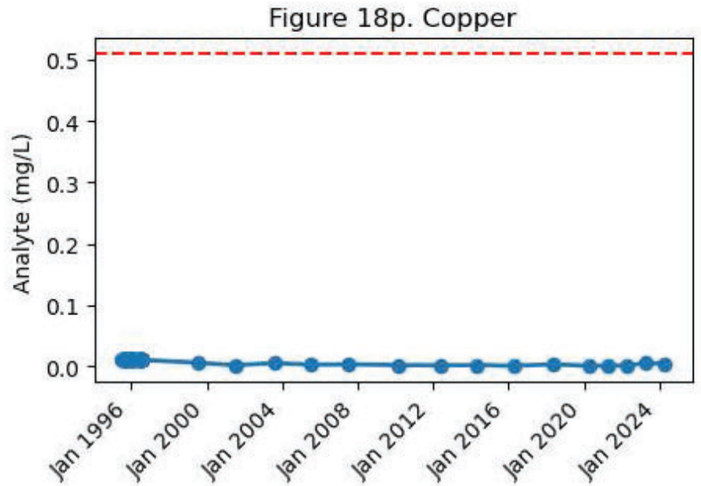

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Figure 18q. Ethylbenzene

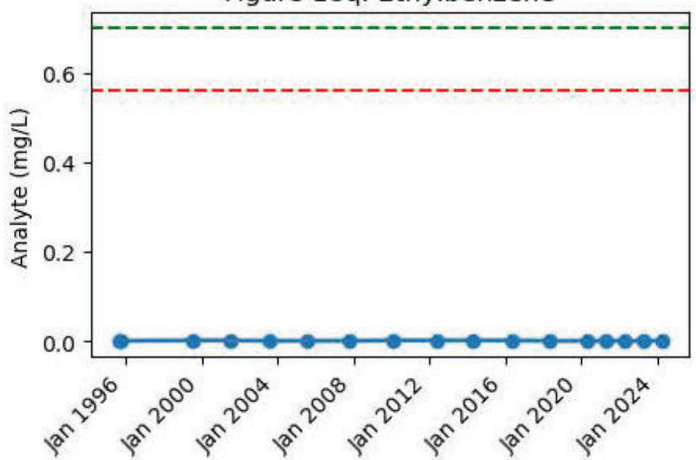

Figure 18r. Fluoride

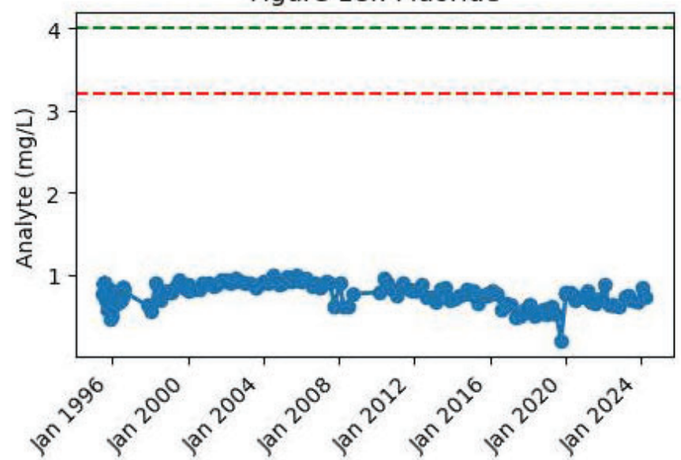

Figure 18s. Gross Alpha Analytes

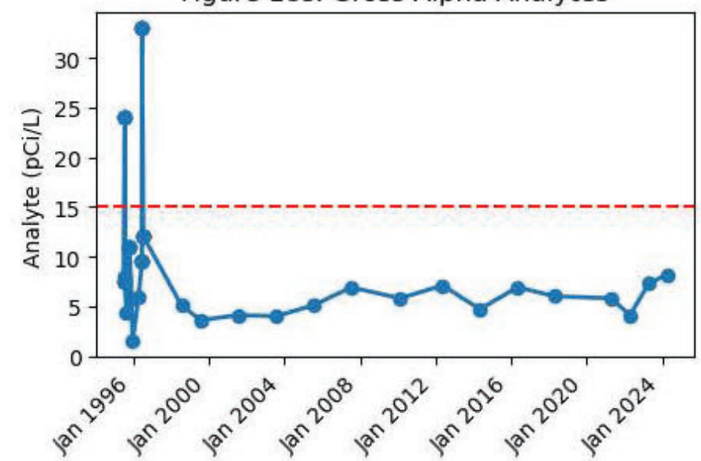

Figure 18t. Iron

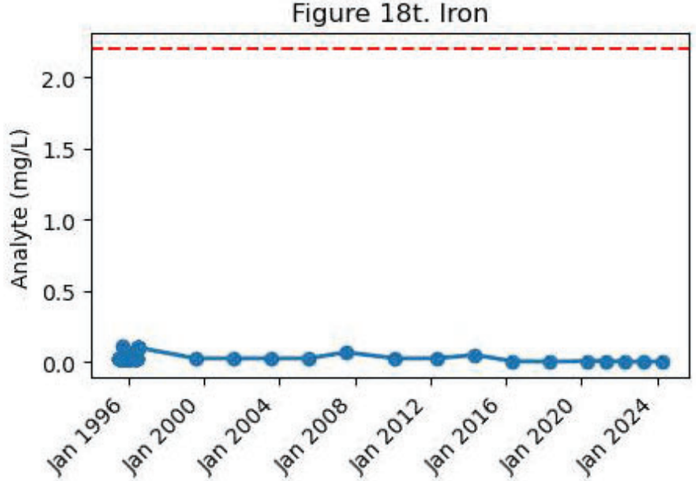

Figure 18u. Lead

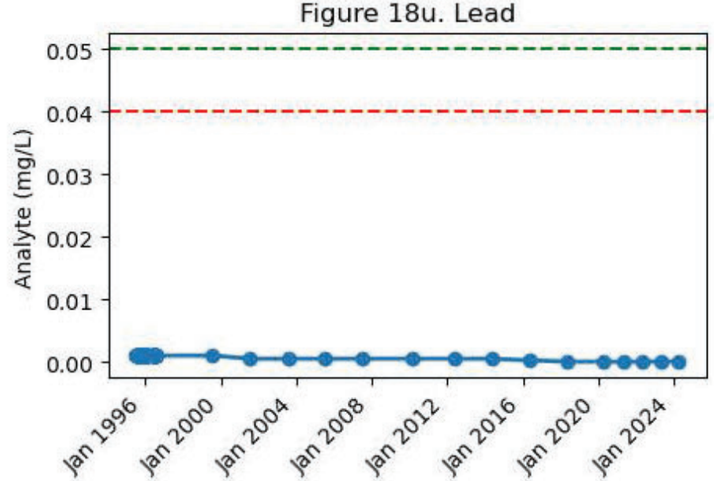

Figure 18v. Magnesium

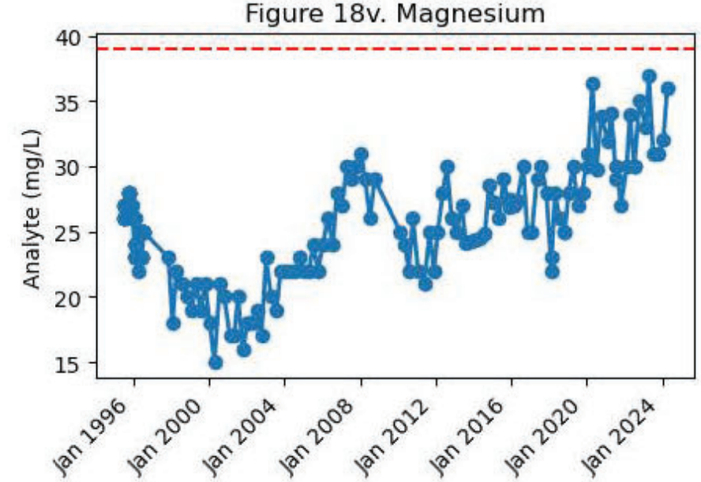

Figure 18w. Manganese

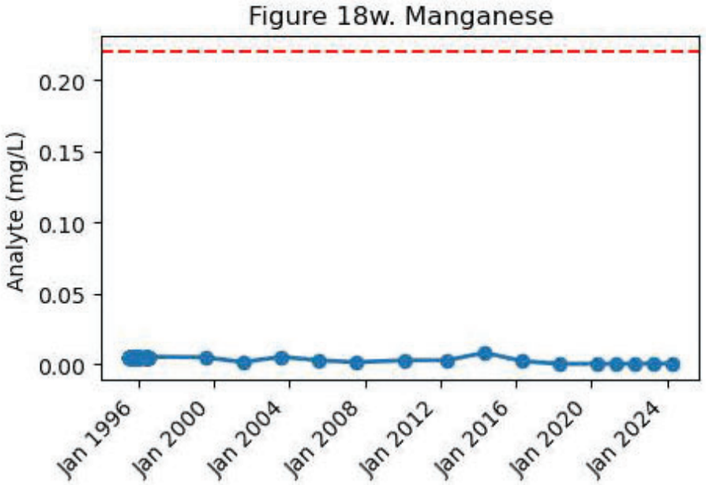

Figure 18x. Mercury

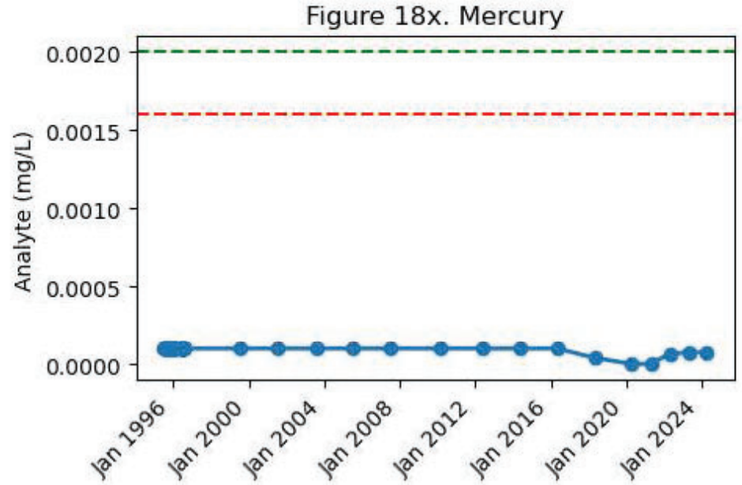

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Figure 18y. Nickel

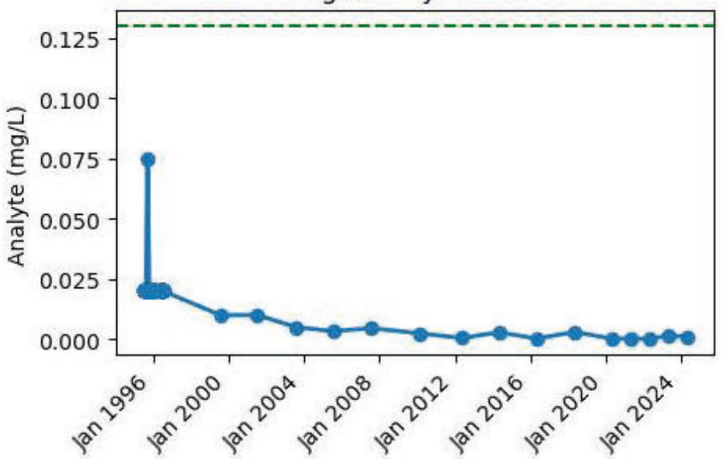

Figure 18z. Nitrate (as N)

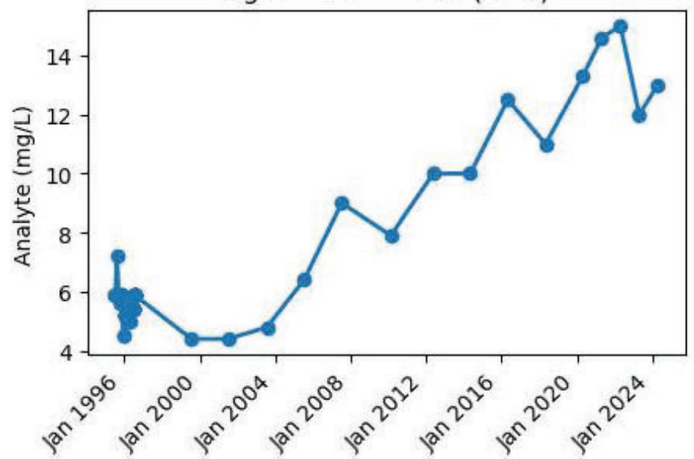

Figure 18aa. pH, Field

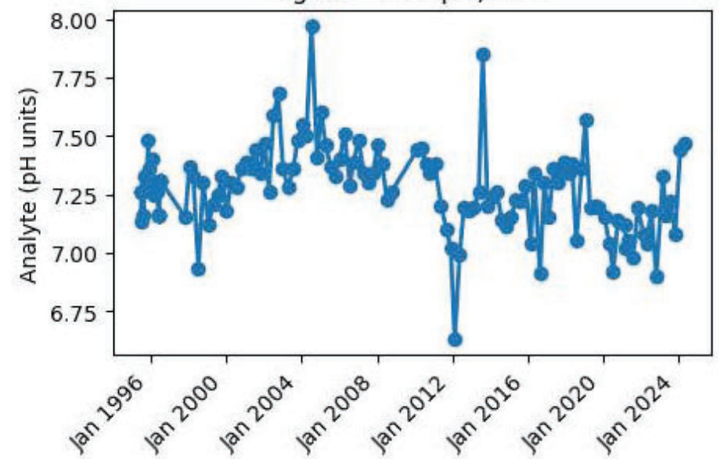

Figure 18ab. Potassium

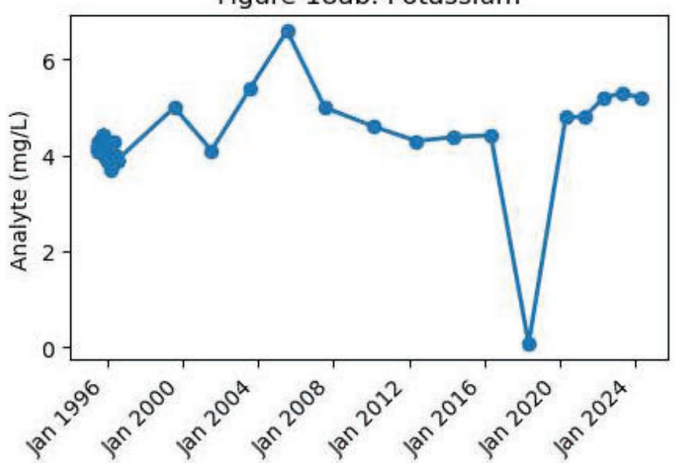

Figure 18ac. Radium-226 & 228

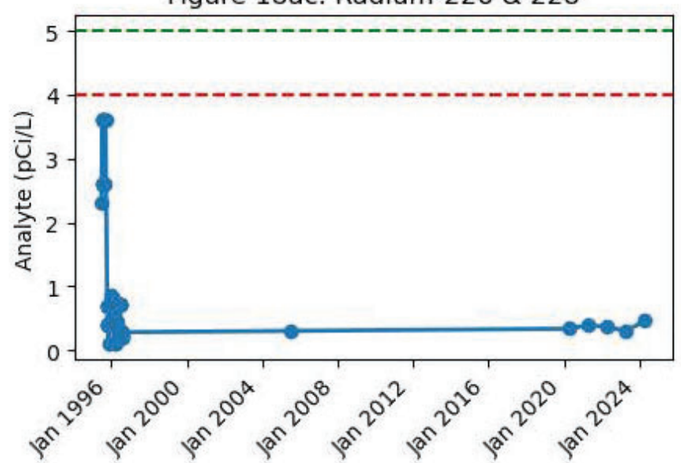

Figure 18ad. Selenium

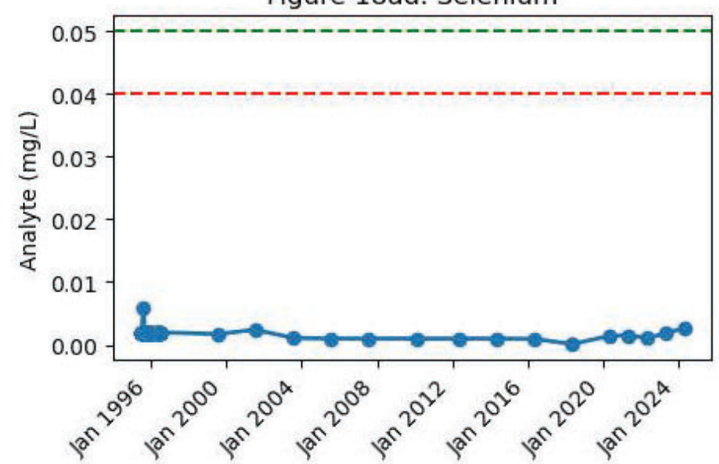

Figure 18ae. Sodium

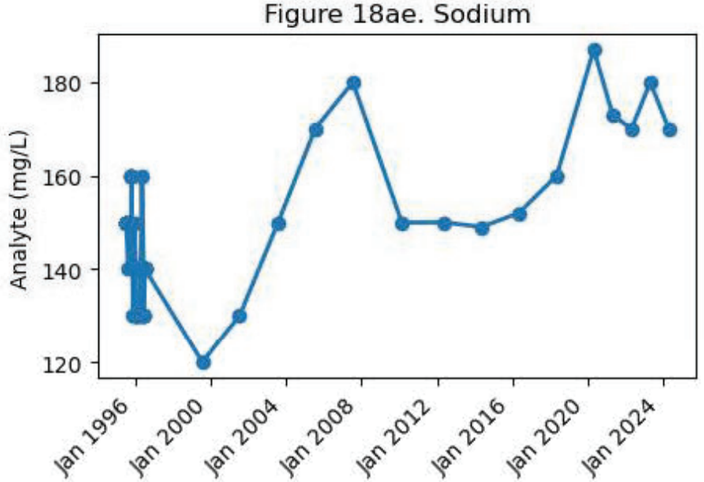

Figure 18af. Specific Conductance, Field

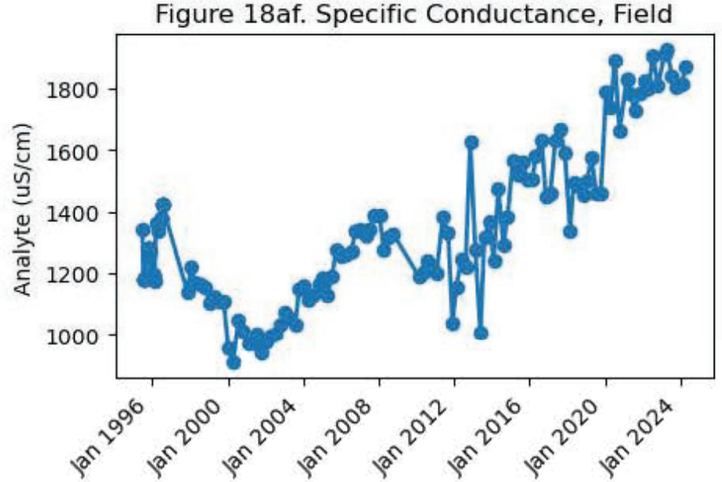

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Figure 18ag. Sulfate

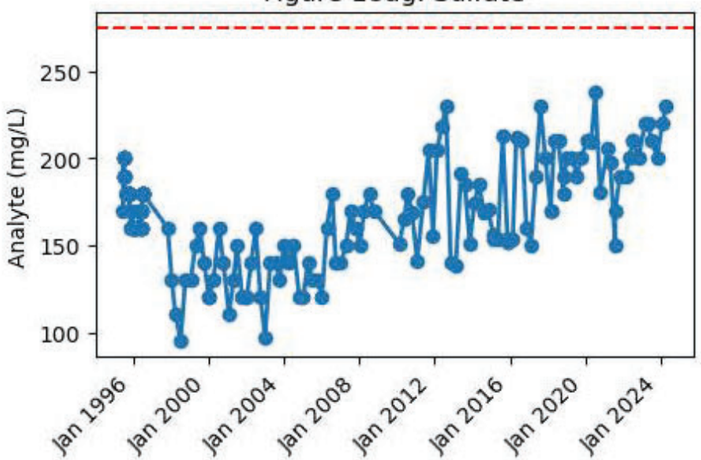


Figure 18ah. Temperature, Field

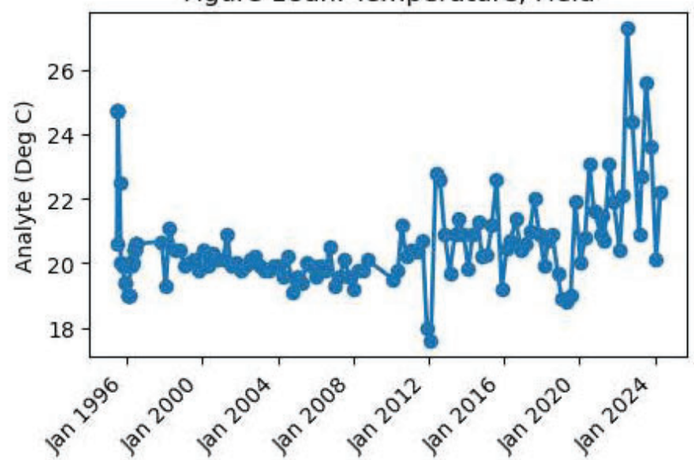


Figure 18ai. Thallium

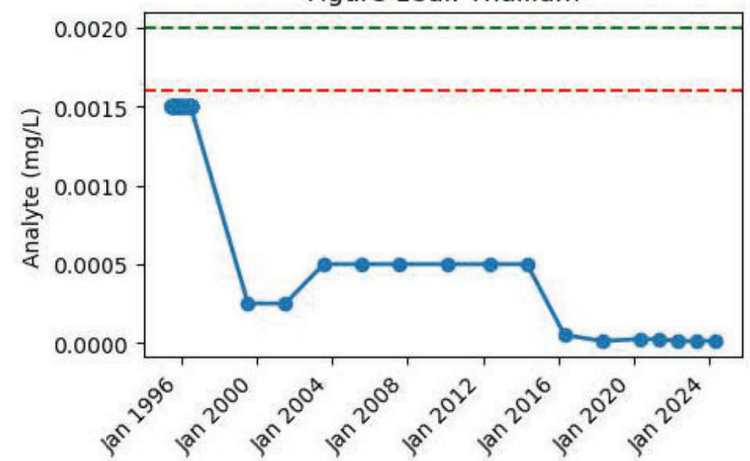


Figure 18aj. Toluene

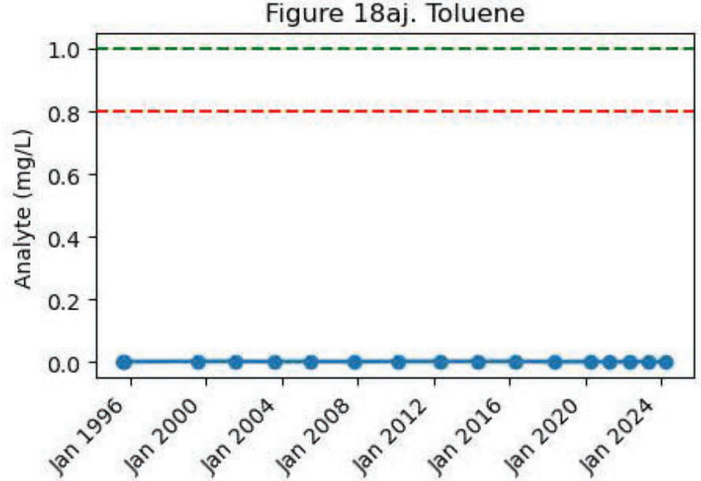


Figure 18ak. Total Dissolved Solids (TDS)

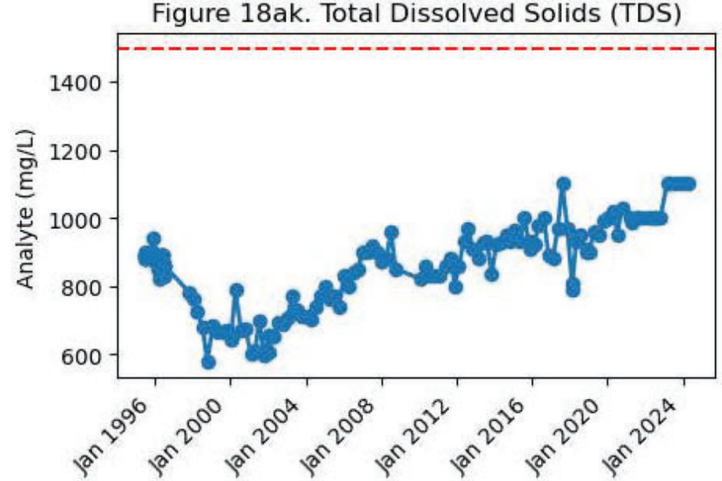


Figure 18al. Total Petroleum Hydrocarbons (C10-C22) Diesel

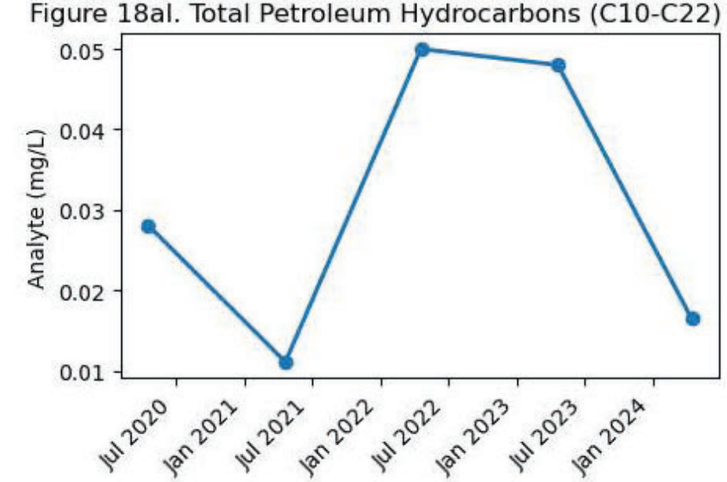


Figure 18am. Turbidity, Field

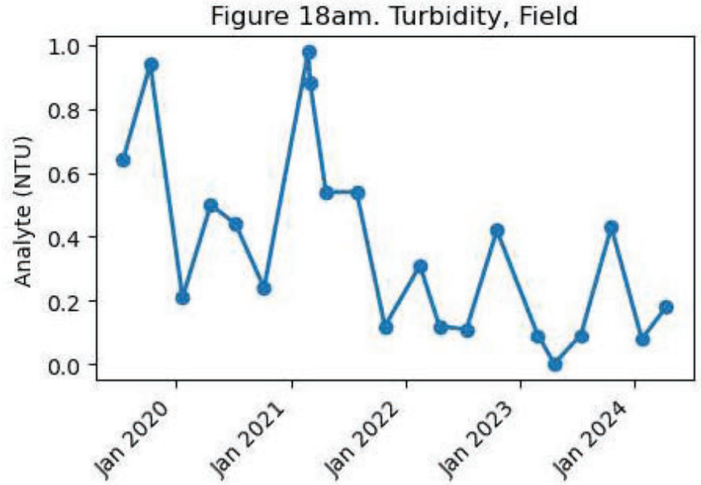
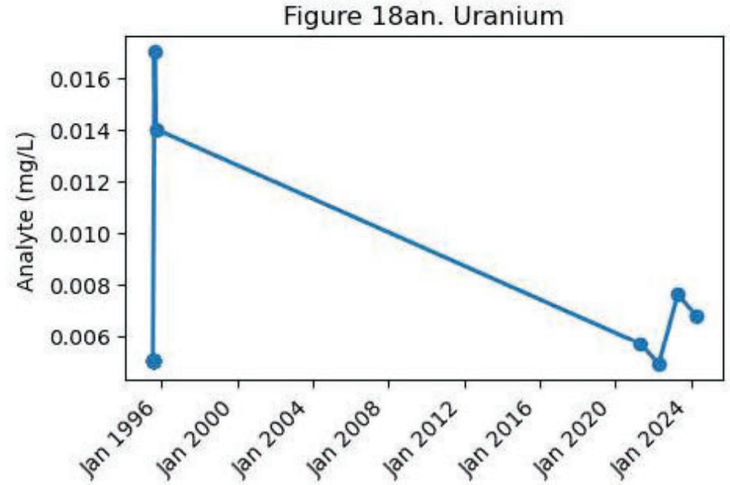


Figure 18an. Uranium



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M2-GU Quarterly Analyte Graphs

Figure 18ao. Xylene (Total)

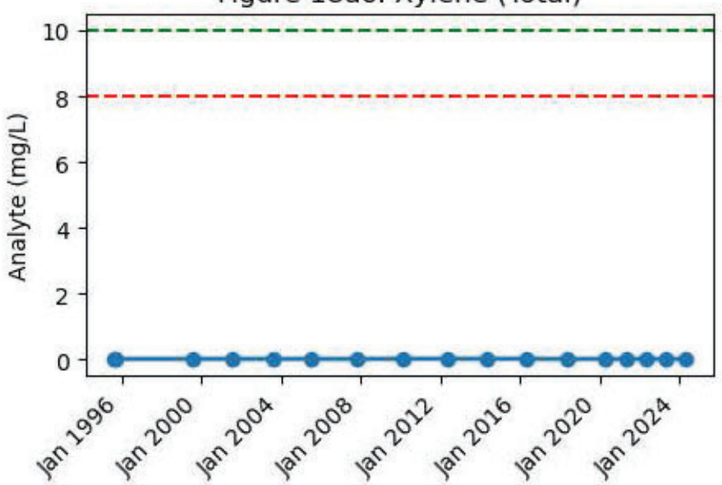


Figure 18ap. Zinc

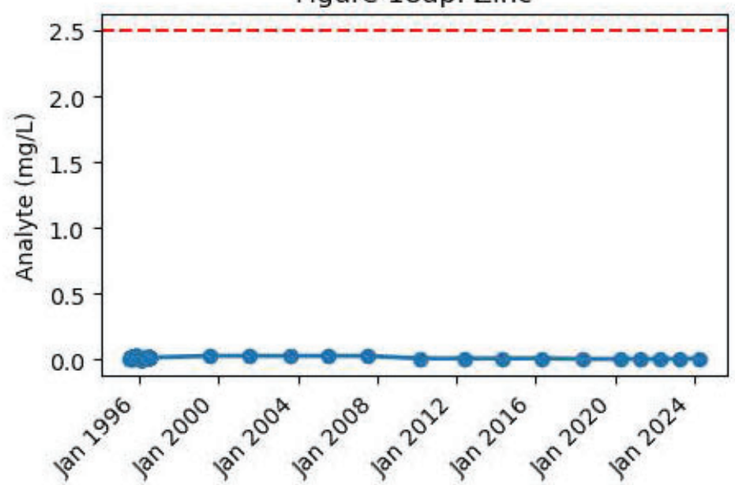


Figure 18aq. Total Uranium Isotopes

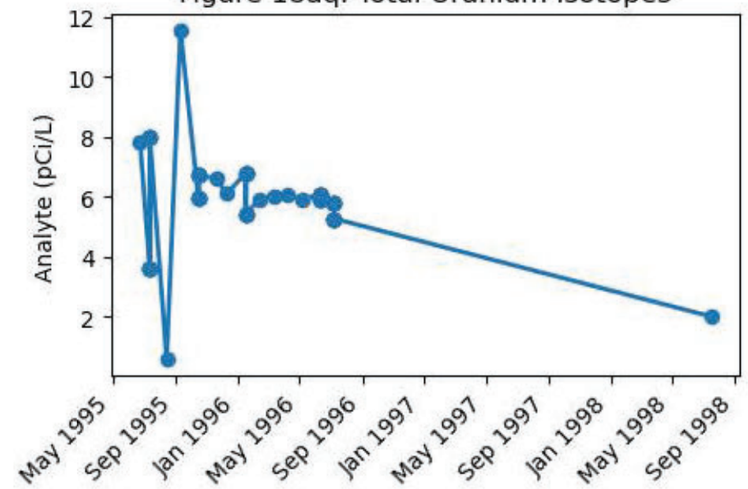
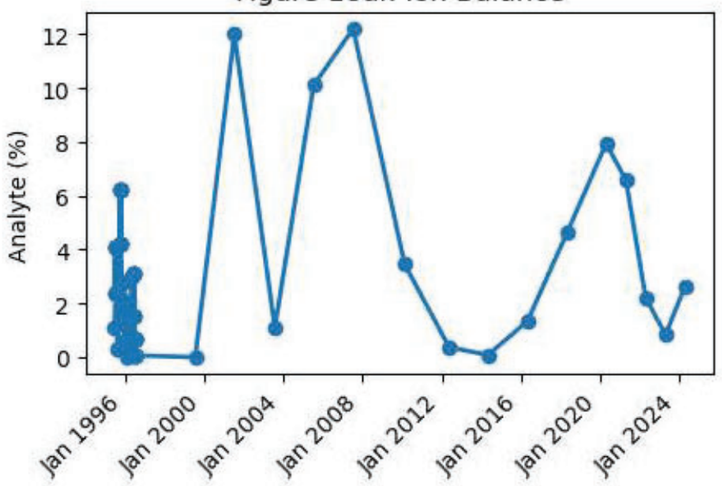


Figure 18ar. Ion Balance



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M30-O Quarterly Analyte Graphs

Figure 19a. Alkalinity, Bicarbonate

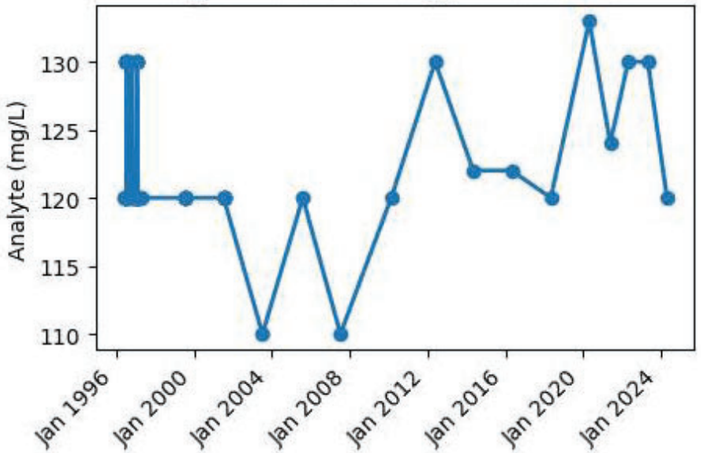


Figure 19b. Alkalinity, Carbonate

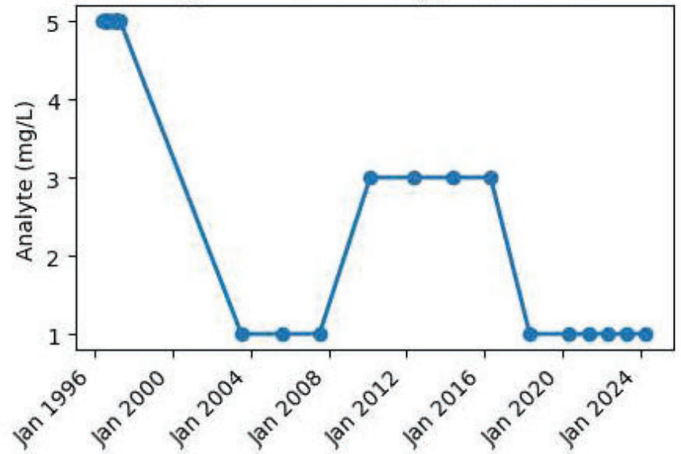


Figure 19c. Alkalinity, Hydroxide

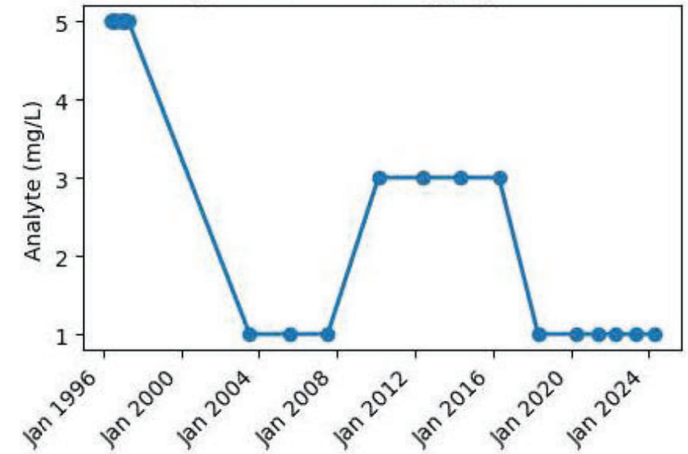


Figure 19d. Alkalinity, Total (as CaCO3)

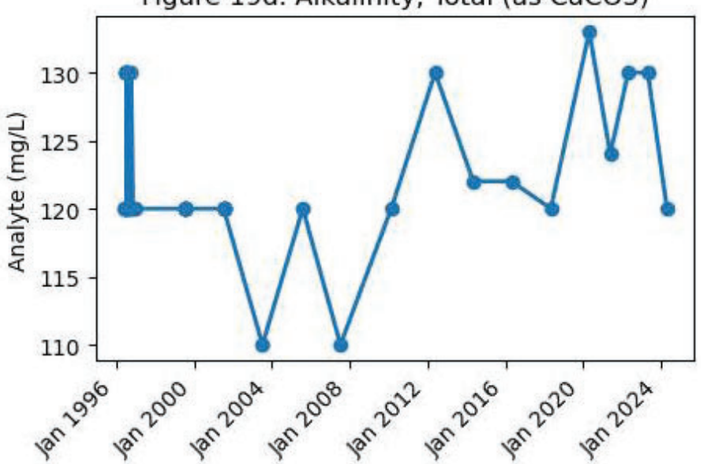


Figure 19e. Aluminum

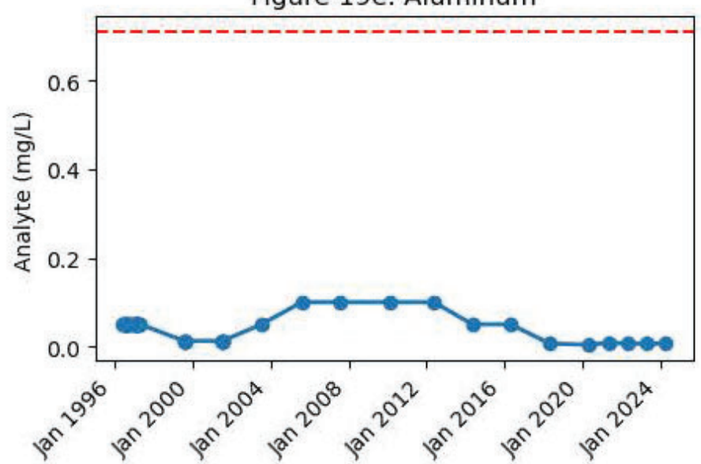


Figure 19f. Antimony

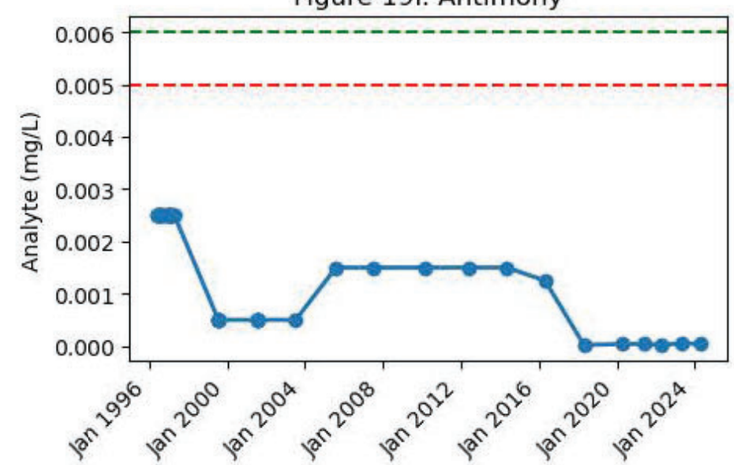


Figure 19g. Arsenic

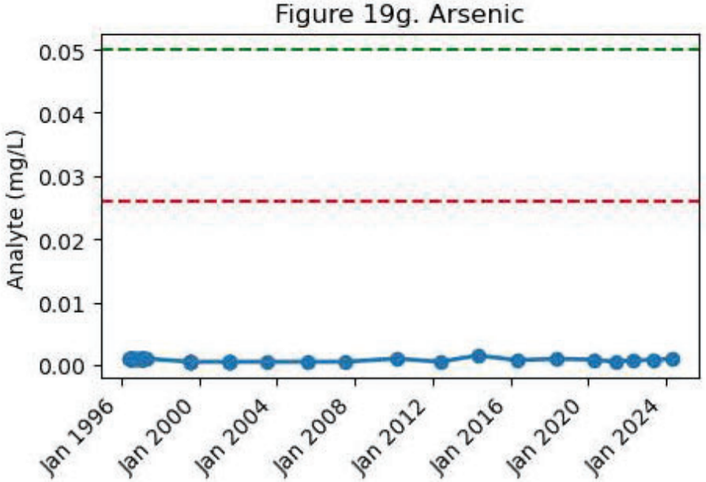
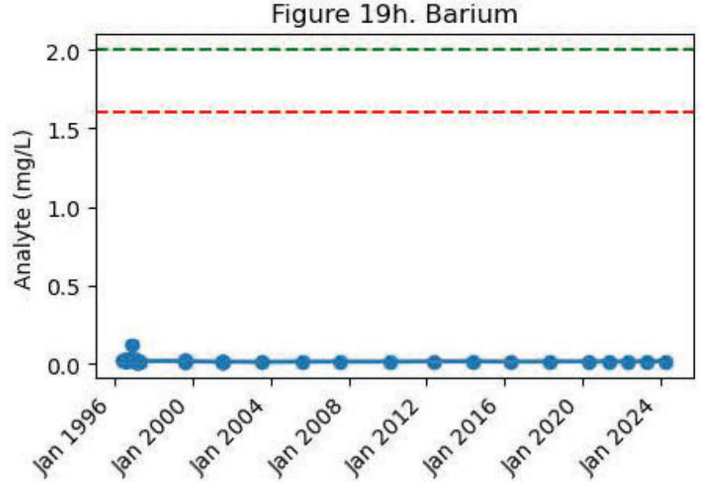


Figure 19h. Barium



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M30-O Quarterly Analyte Graphs

Figure 19i. Benzene

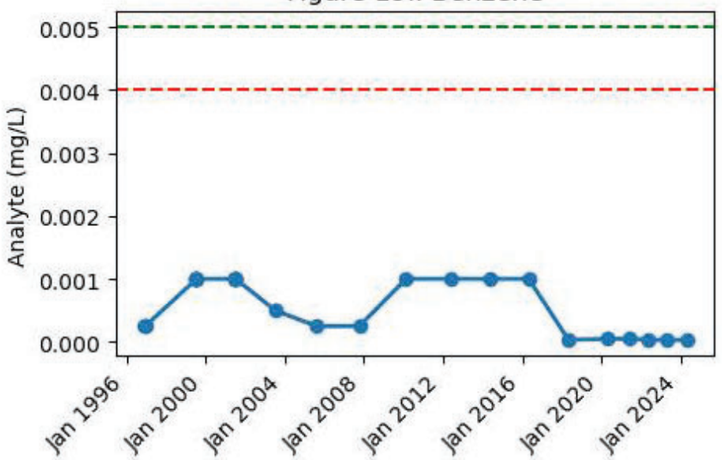


Figure 19j. Beryllium

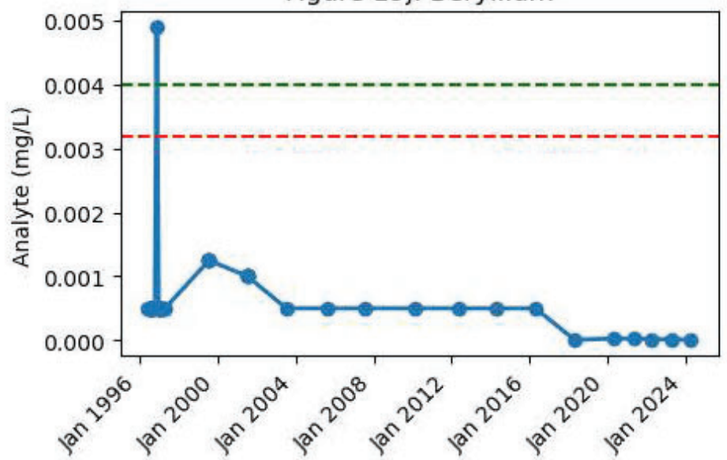


Figure 19k. Cadmium

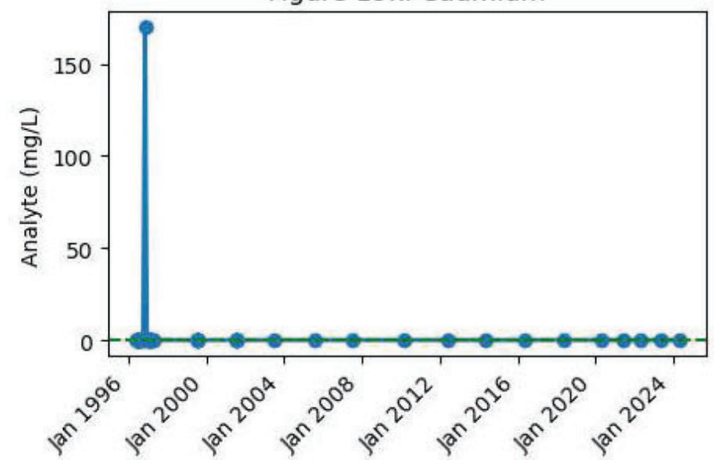


Figure 19l. Calcium

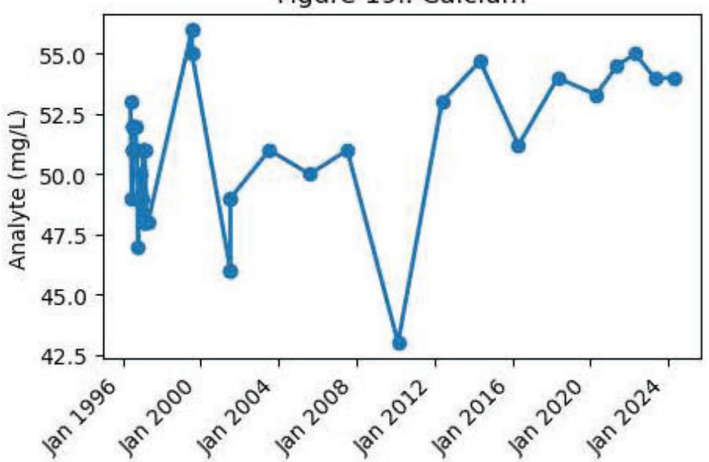


Figure 19m. Chloride

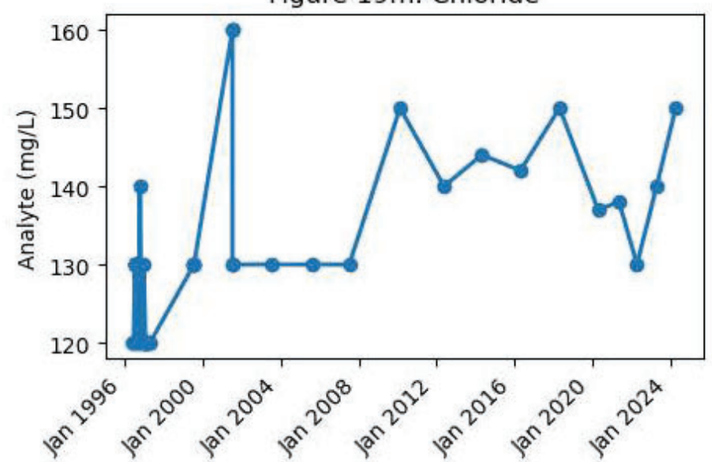


Figure 19n. Chromium

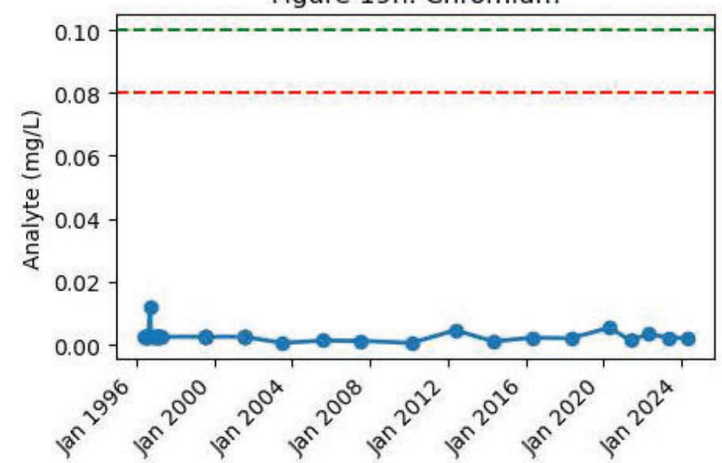


Figure 19o. Cobalt

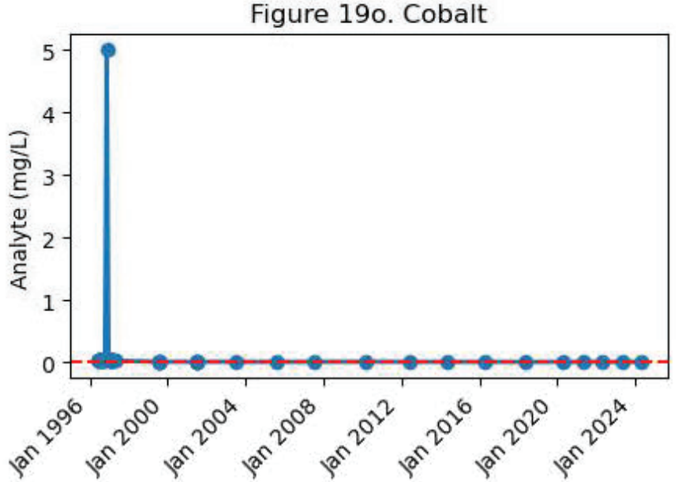
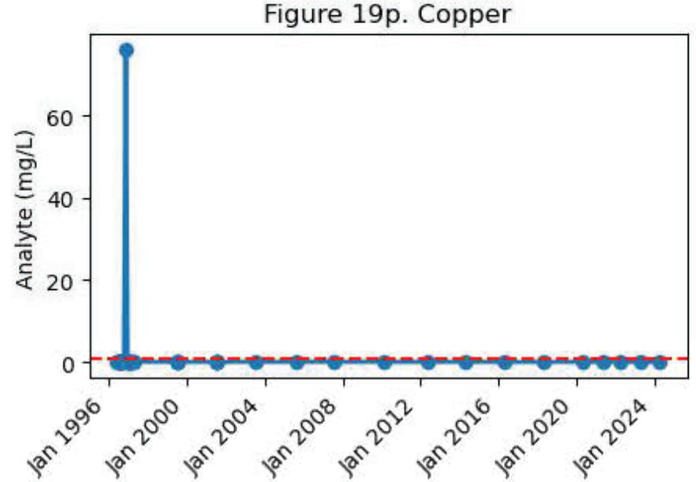


Figure 19p. Copper



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M30-O Quarterly Analyte Graphs

Figure 19q. Ethylbenzene

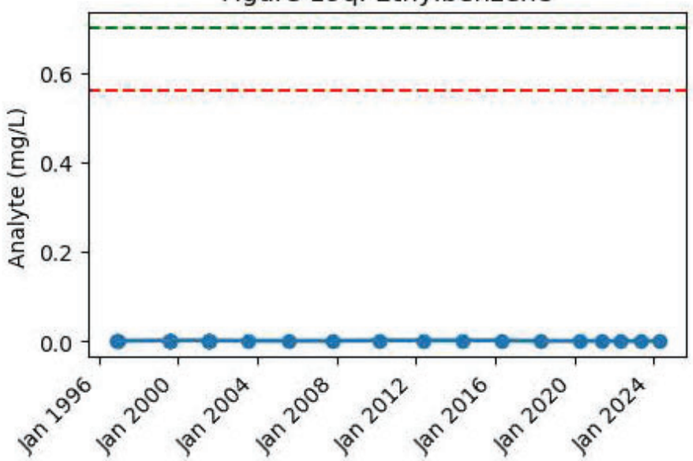

Figure 19r. Fluoride

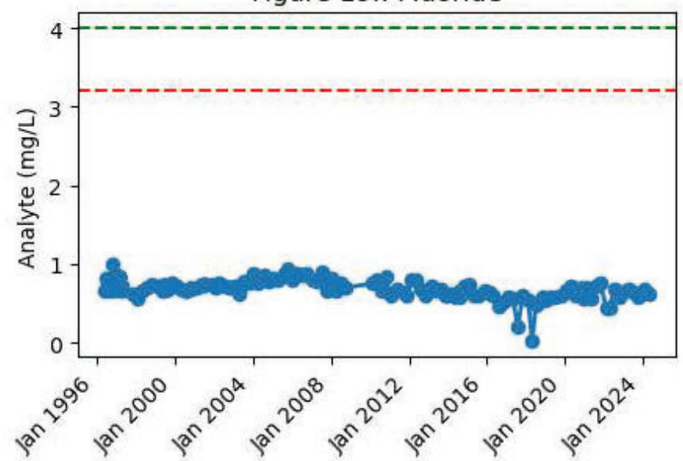

Figure 19s. Gross Alpha Analytes

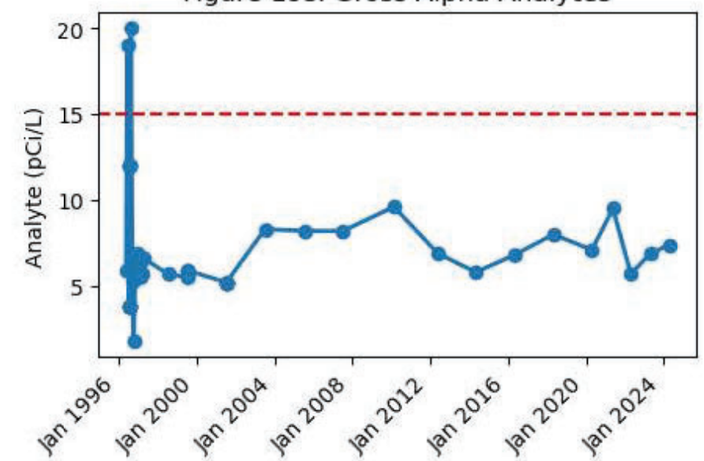

Figure 19t. Iron

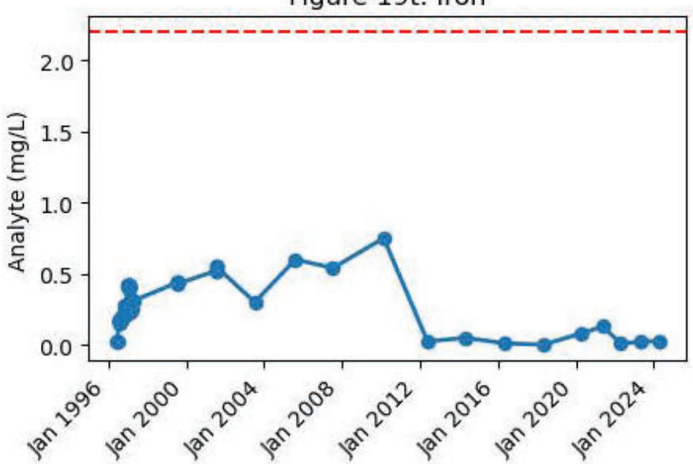

Figure 19u. Lead

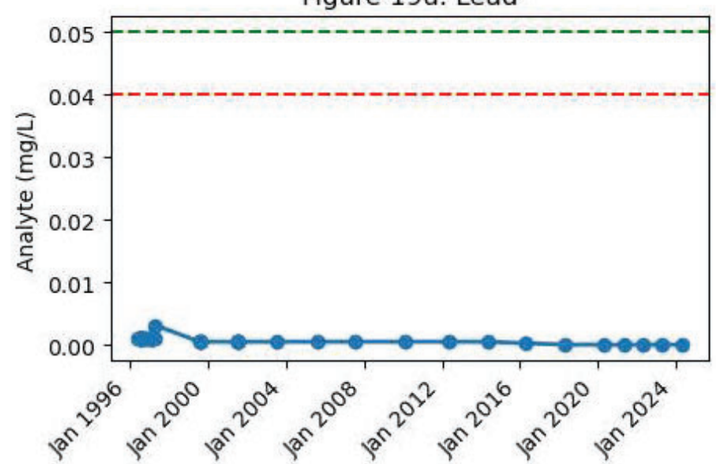

Figure 19v. Magnesium

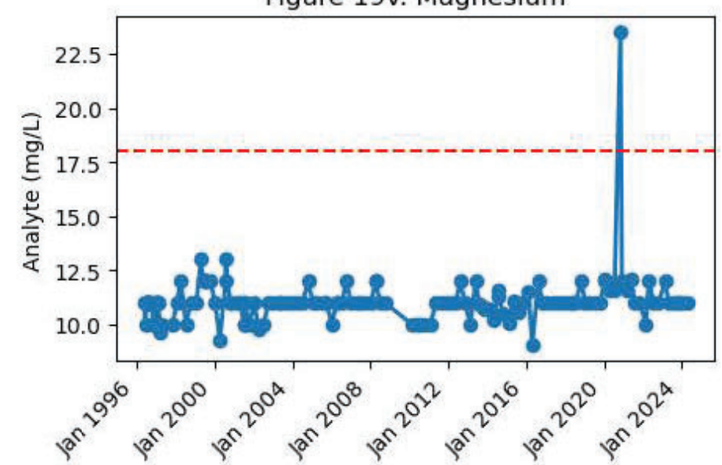

Figure 19w. Manganese

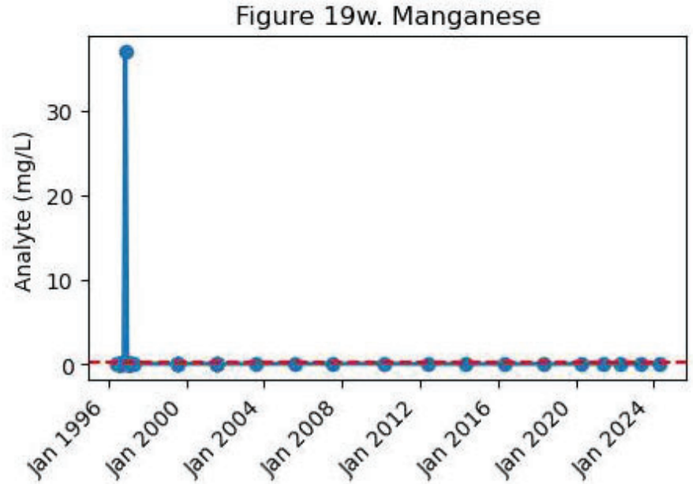

Figure 19x. Mercury

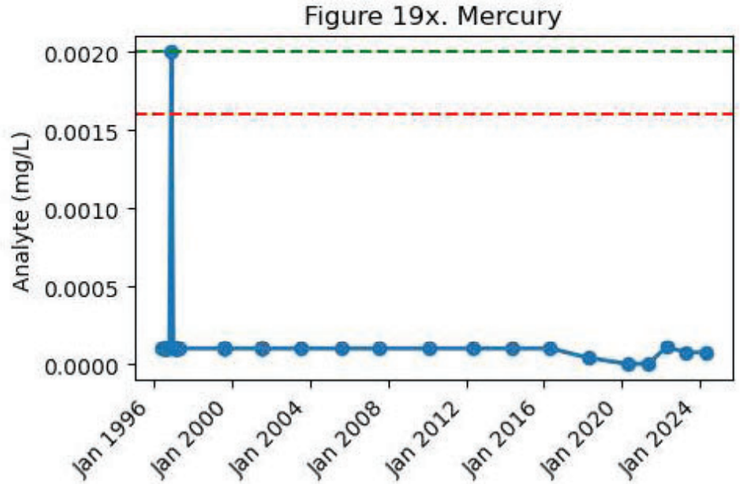

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Figure 19y. Nickel

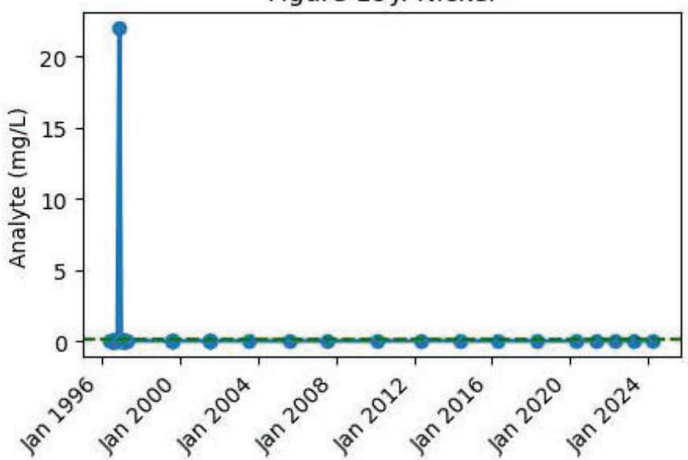


Figure 19z. Nitrate (as N)

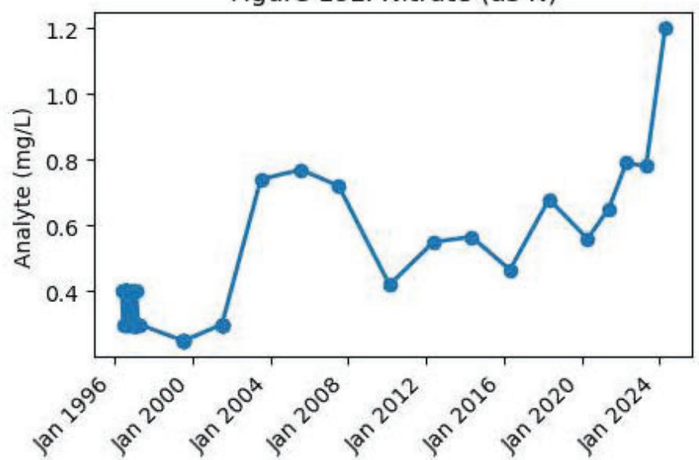


Figure 19aa. pH, Field

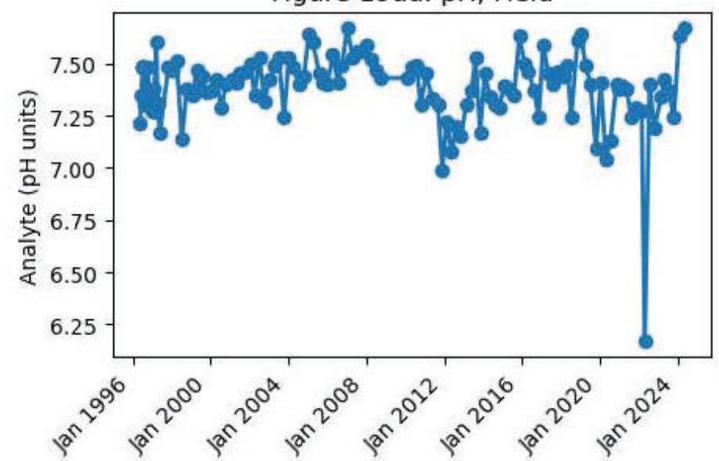


Figure 19ab. Potassium

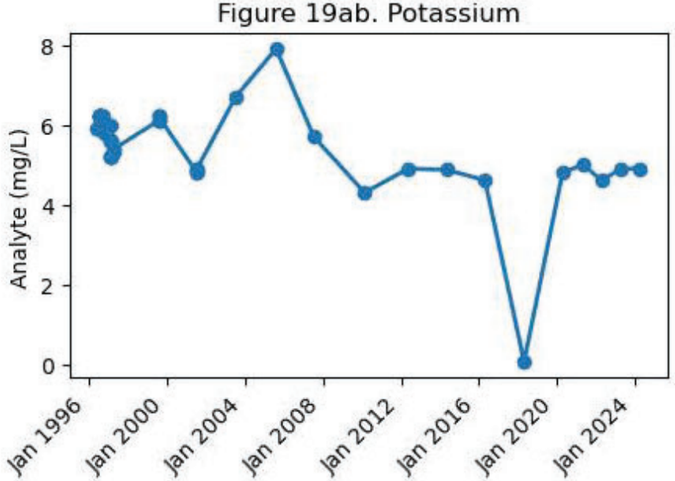


Figure 19ac. Radium-226 & 228

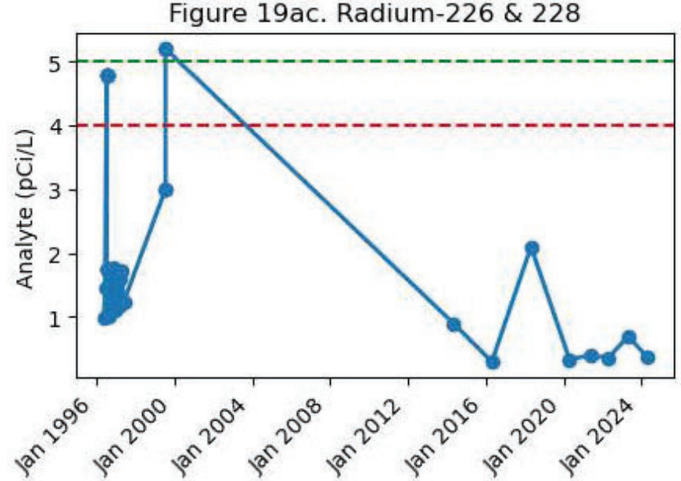


Figure 19ad. Selenium

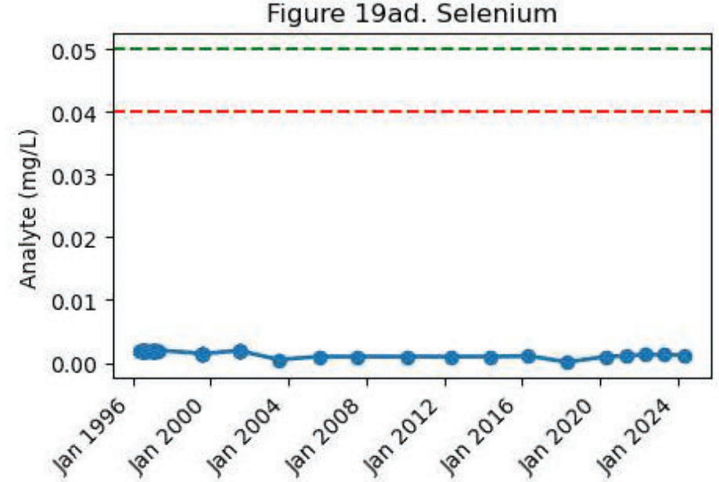


Figure 19ae. Sodium

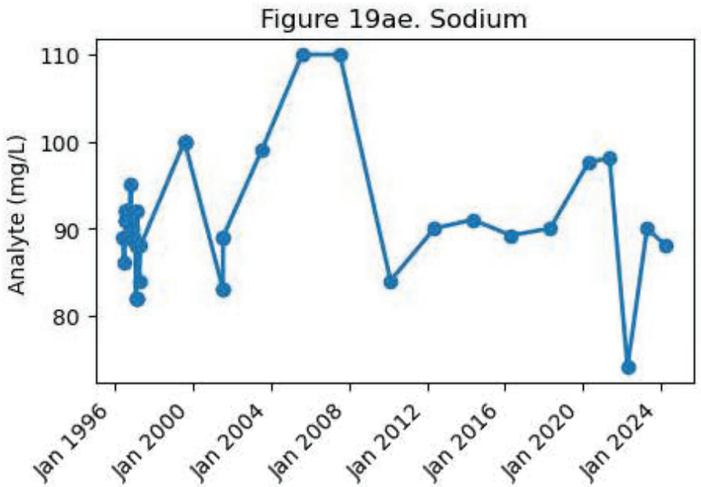
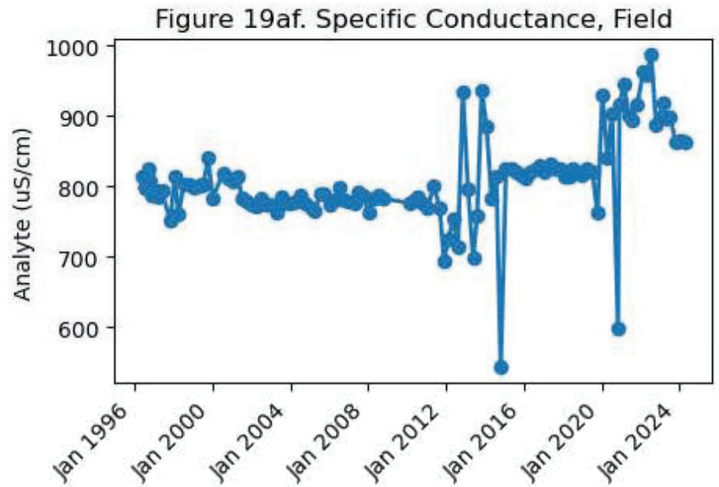
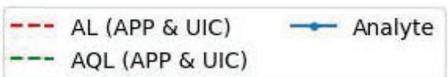


Figure 19af. Specific Conductance, Field





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M30-O Quarterly Analyte Graphs

Figure 19ag. Sulfate

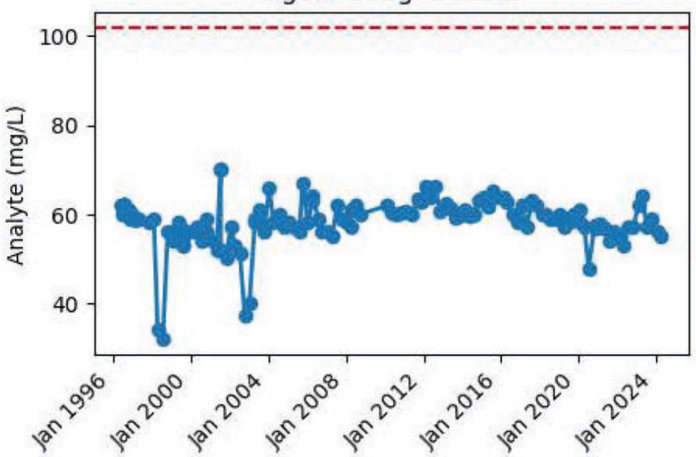


Figure 19ah. Temperature, Field

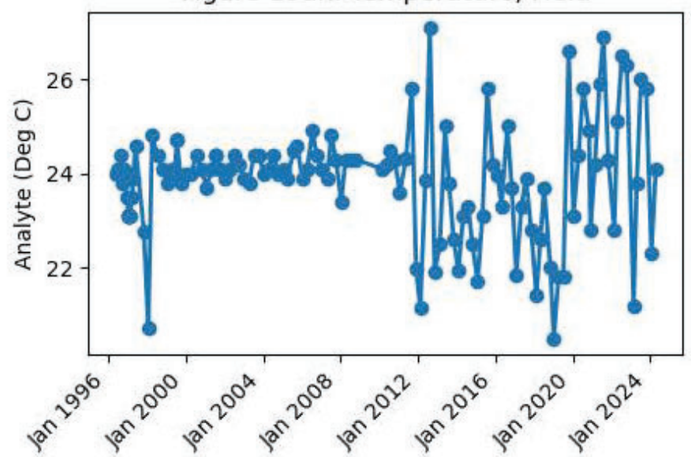


Figure 19ai. Thallium

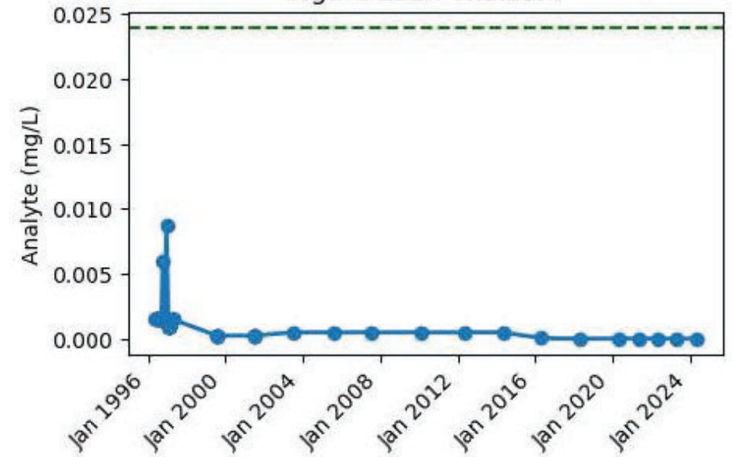


Figure 19aj. Toluene

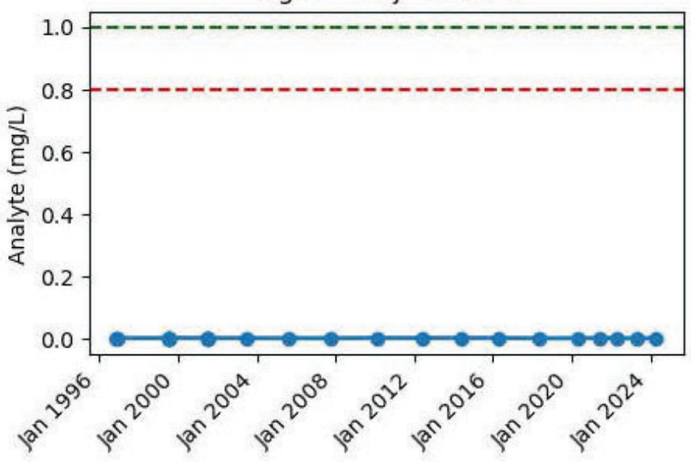


Figure 19ak. Total Dissolved Solids (TDS)

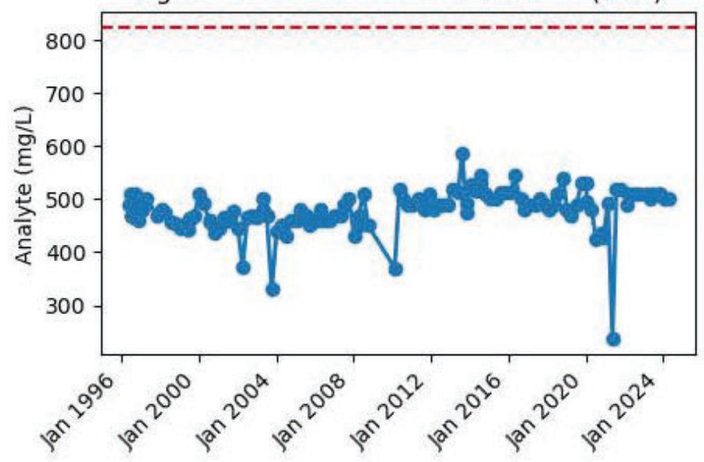


Figure 19al. Total Petroleum Hydrocarbons (C10-C22) Diesel

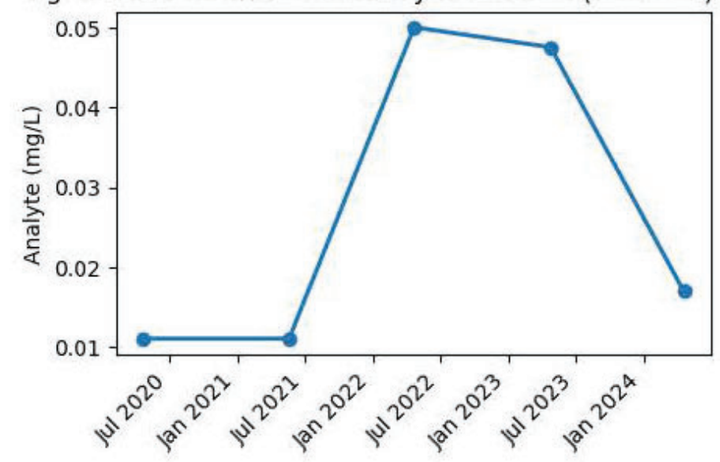


Figure 19am. Turbidity, Field

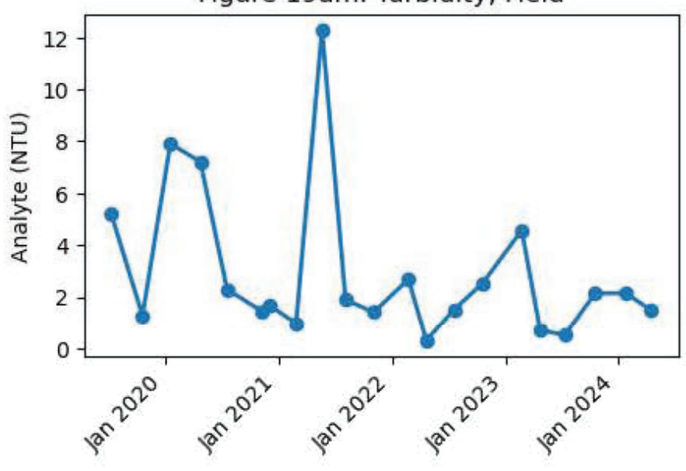
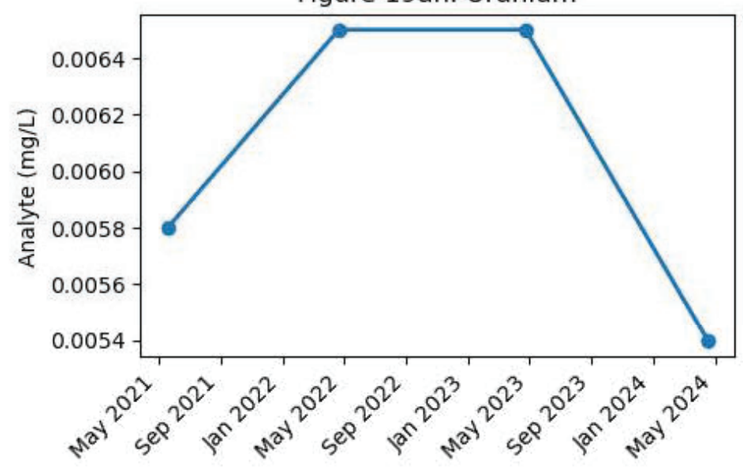


Figure 19an. Uranium



AL (APP & UIC)
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Figure 19ao. Xylene (Total)

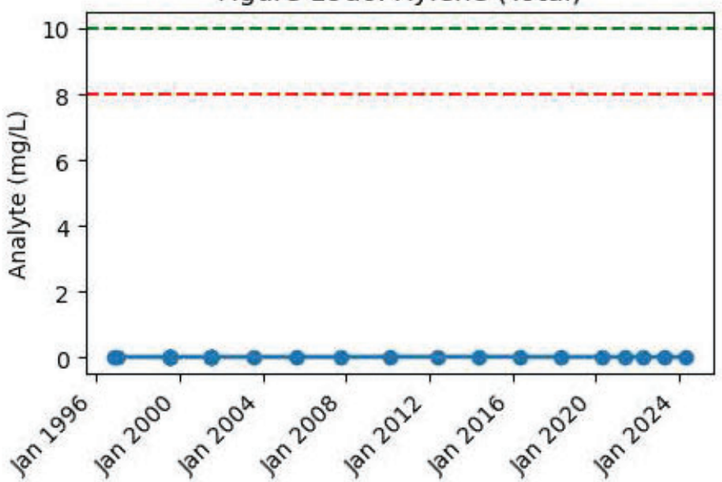


Figure 19ap. Zinc

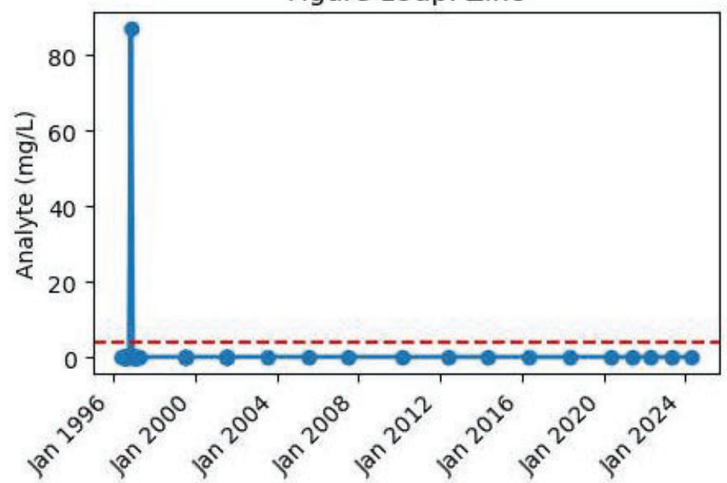


Figure 19aq. Total Uranium Isotopes

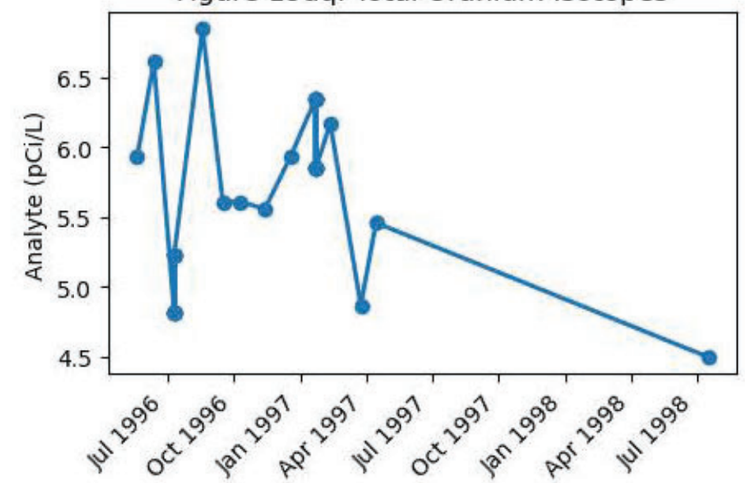
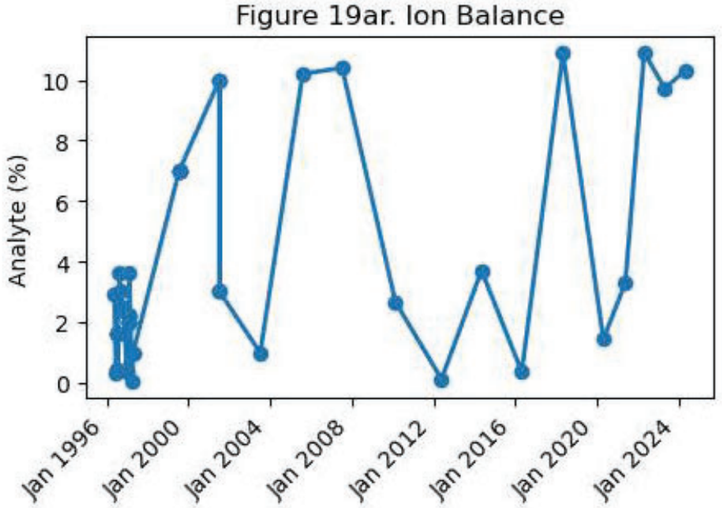


Figure 19ar. Ion Balance



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M31-LBF Quarterly Analyte Graphs

Figure 20a. Alkalinity, Bicarbonate

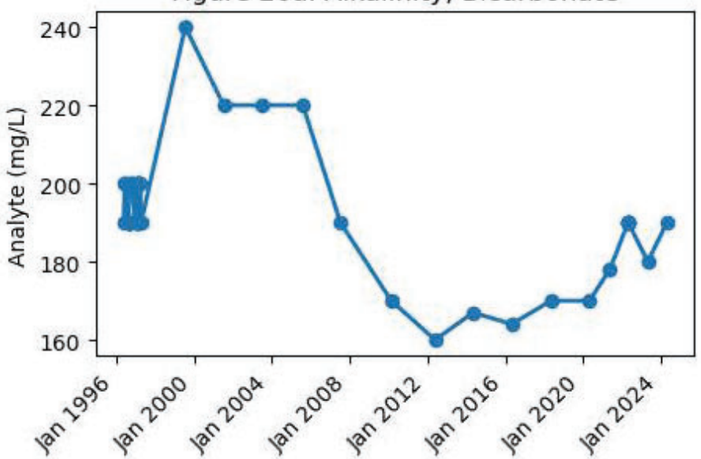


Figure 20b. Alkalinity, Carbonate

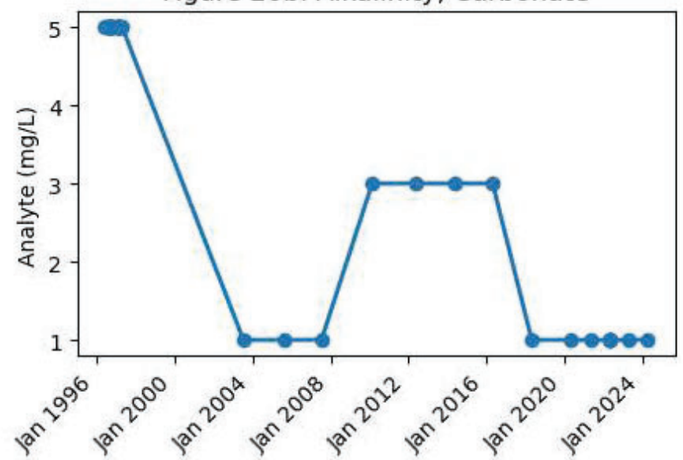


Figure 20c. Alkalinity, Hydroxide

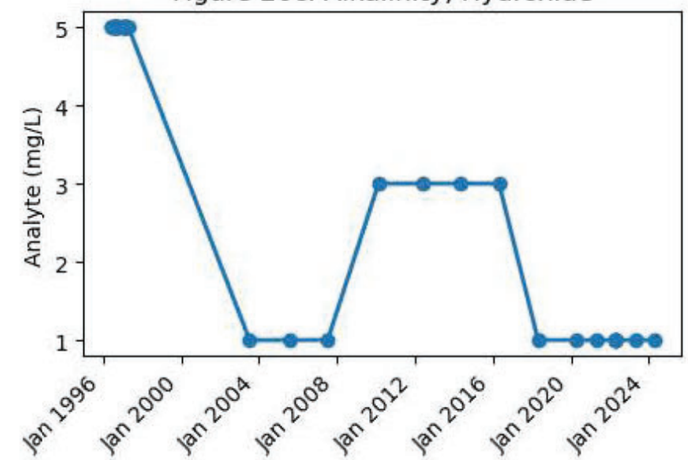


Figure 20d. Alkalinity, Total (as CaCO3)

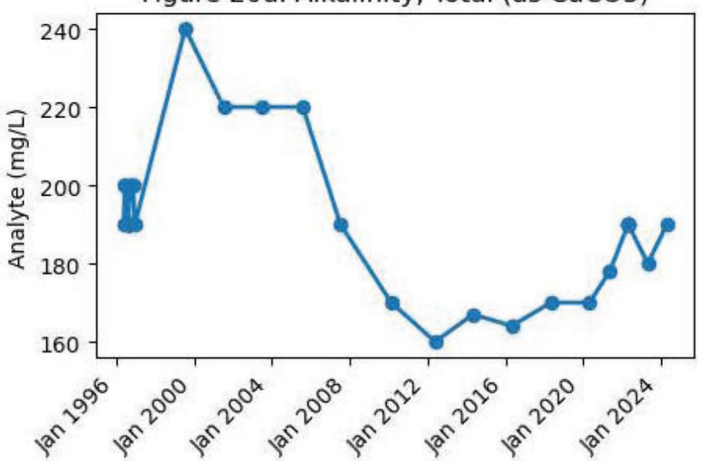


Figure 20e. Aluminum

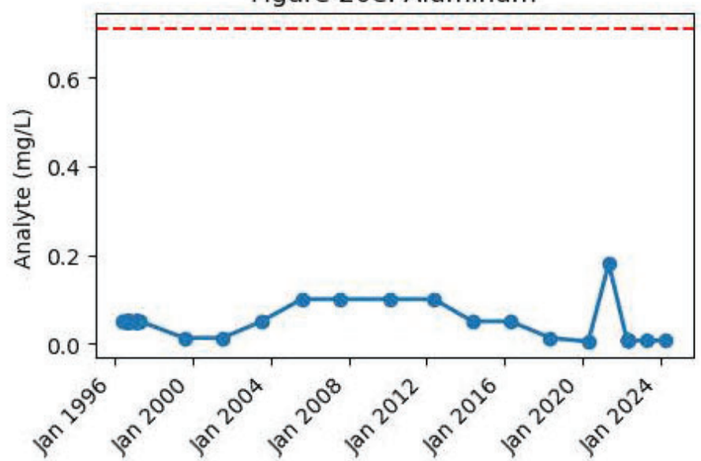


Figure 20f. Antimony

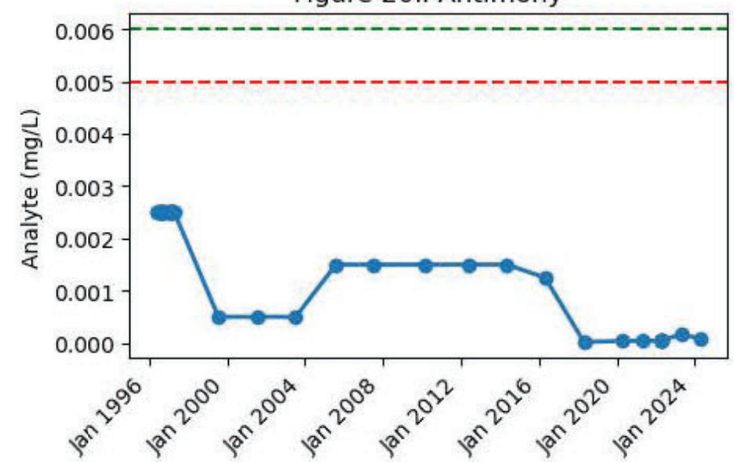


Figure 20g. Arsenic

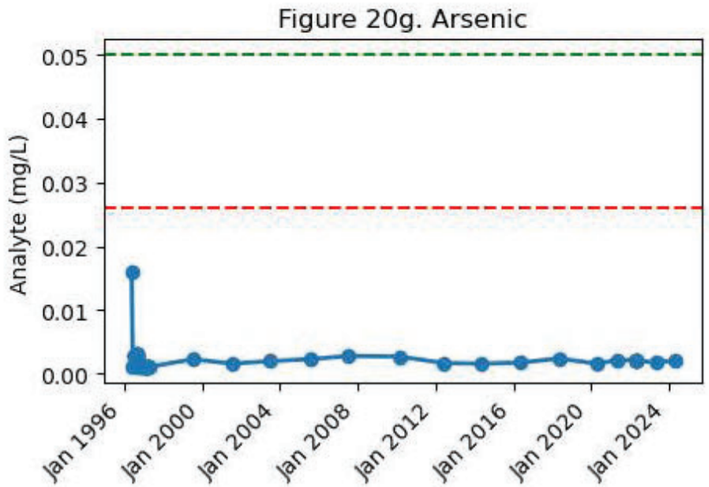
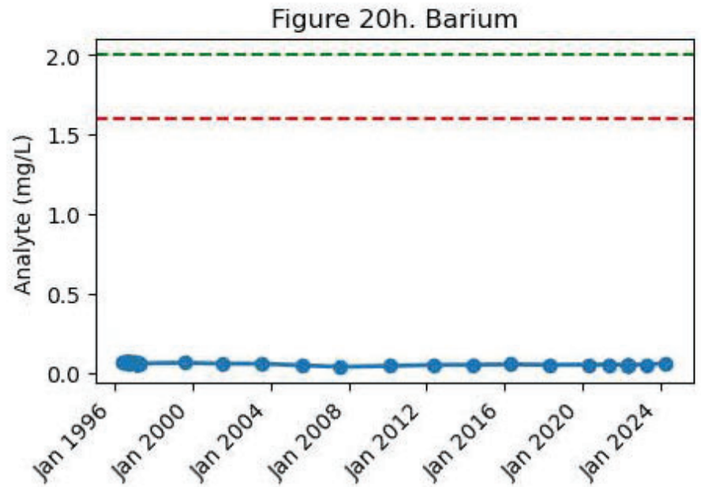


Figure 20h. Barium



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M31-LBF Quarterly Analyte Graphs

Figure 20i. Benzene

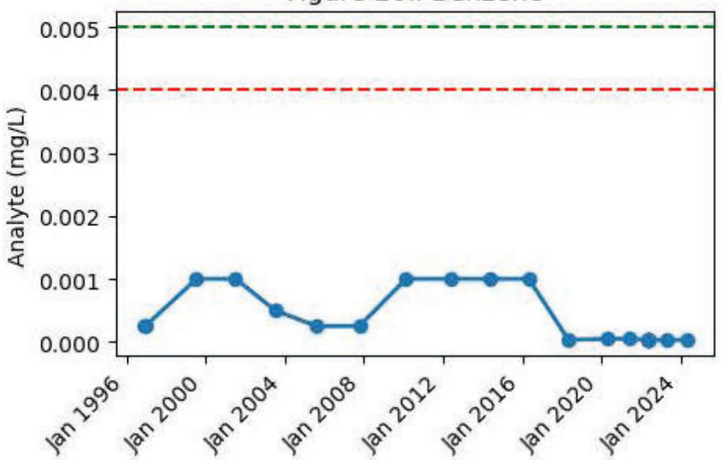

Figure 20j. Beryllium

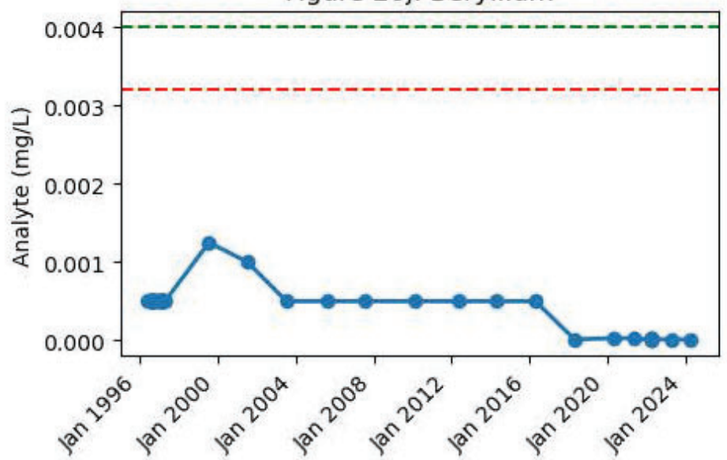

Figure 20k. Cadmium

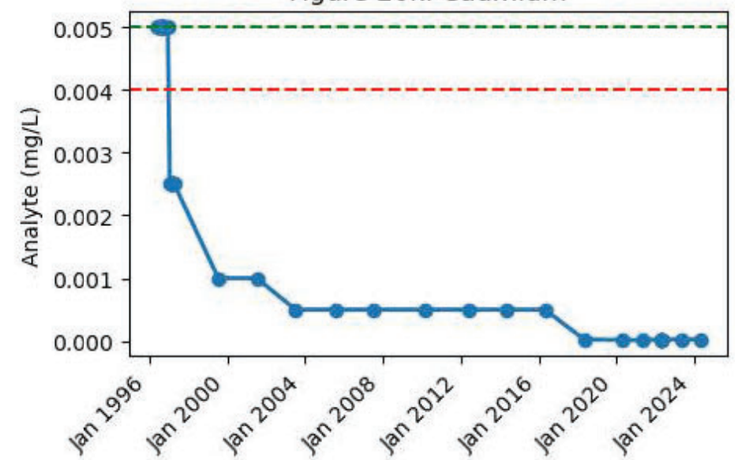

Figure 20l. Calcium

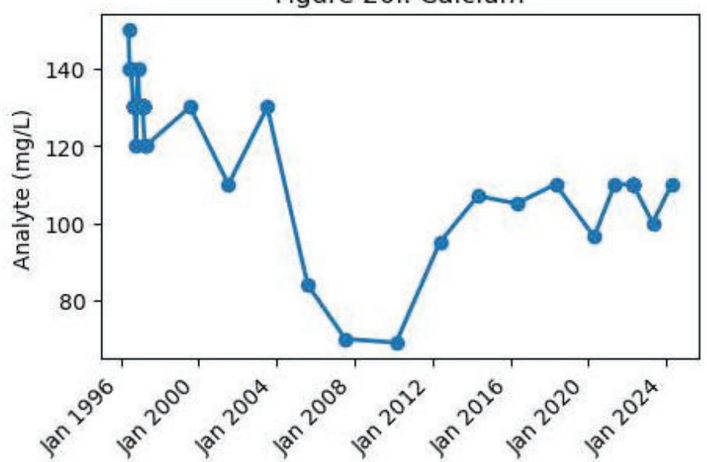

Figure 20m. Chloride

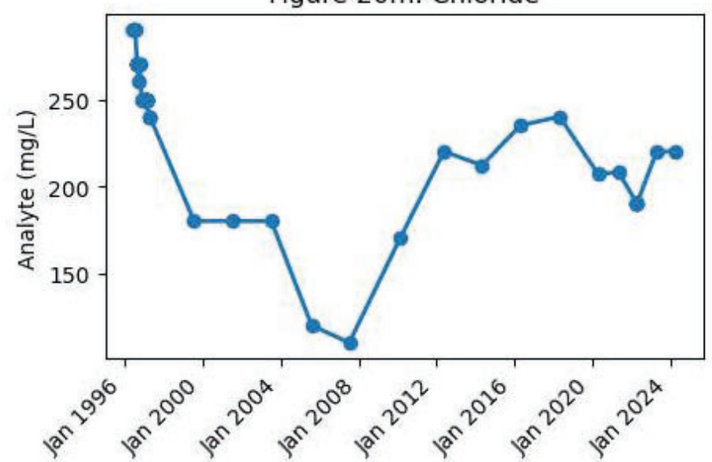

Figure 20n. Chromium

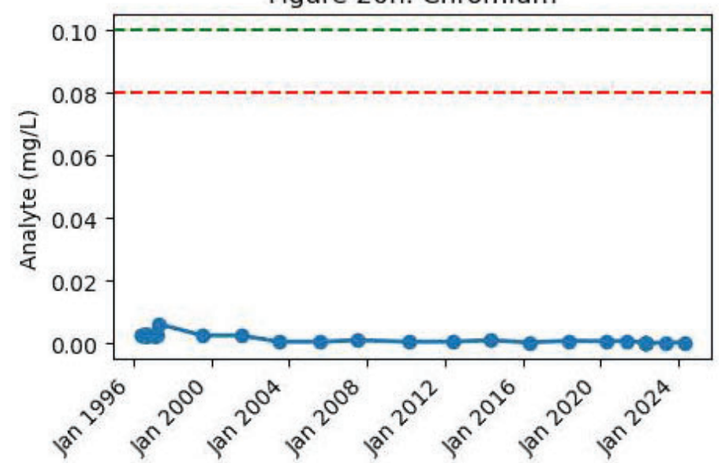

Figure 20o. Cobalt

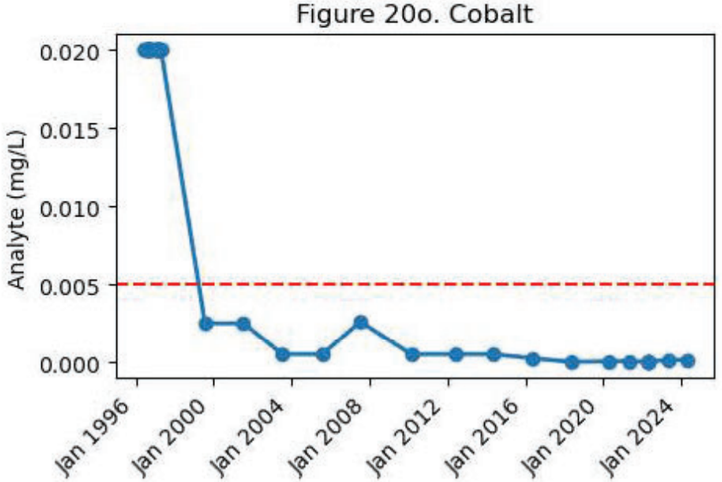

Figure 20p. Copper

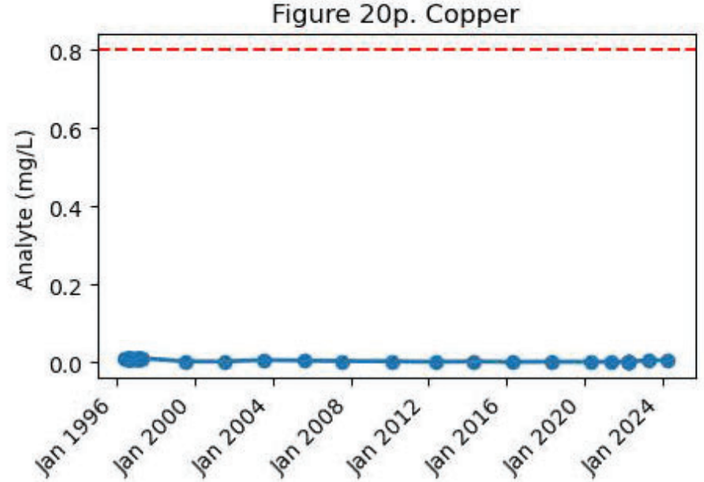

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Figure 20q. Ethylbenzene

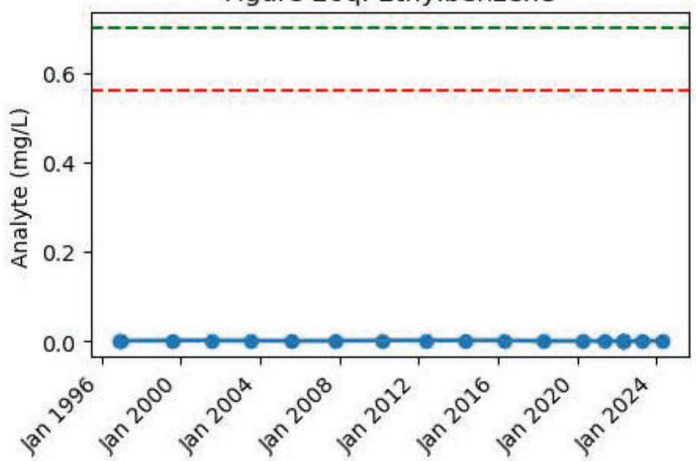

Figure 20r. Fluoride

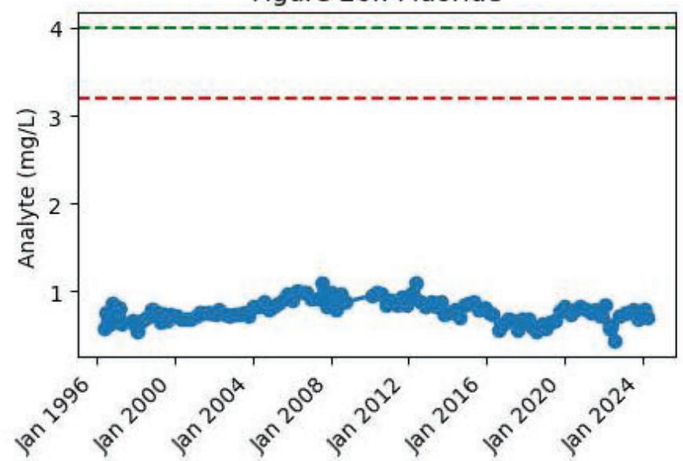

Figure 20s. Gross Alpha Analytes

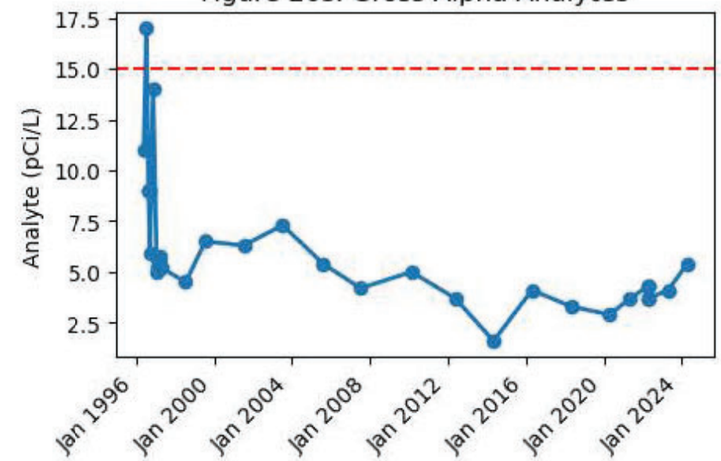

Figure 20t. Iron

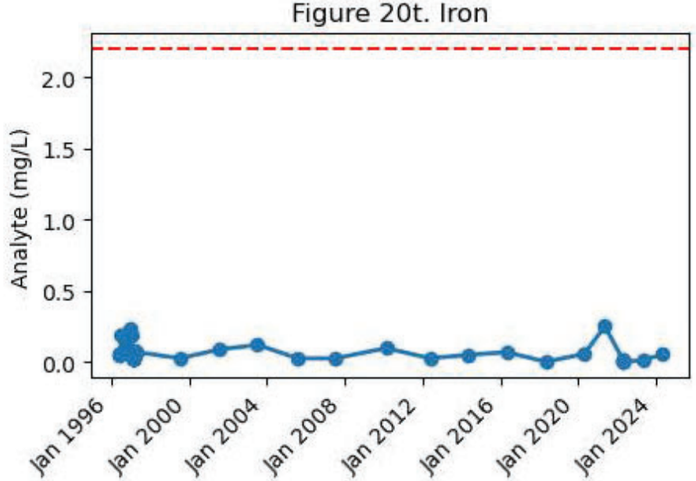

Figure 20u. Lead

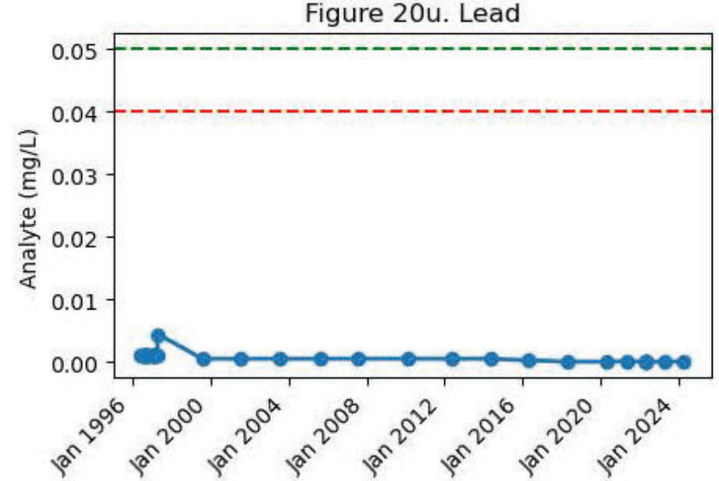

Figure 20v. Magnesium

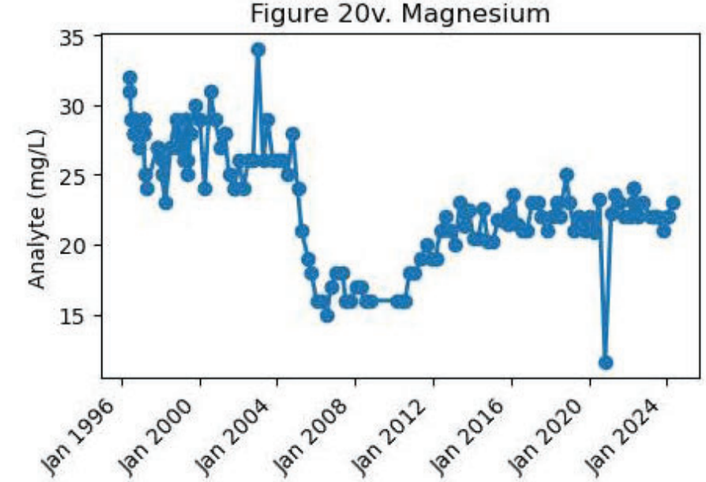

Figure 20w. Manganese

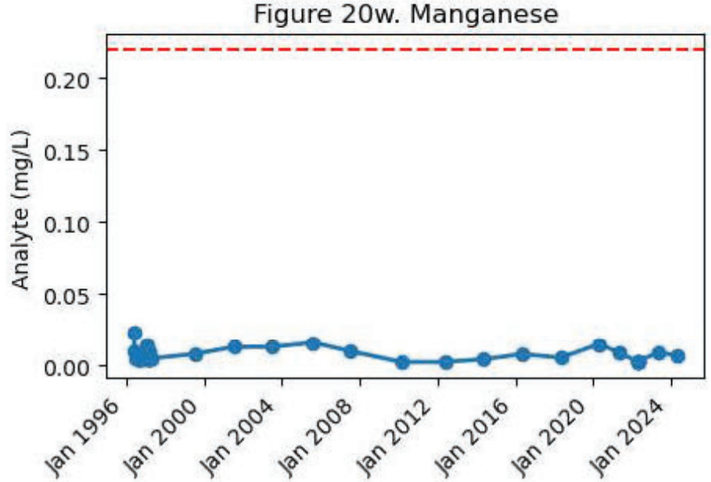

Figure 20x. Mercury

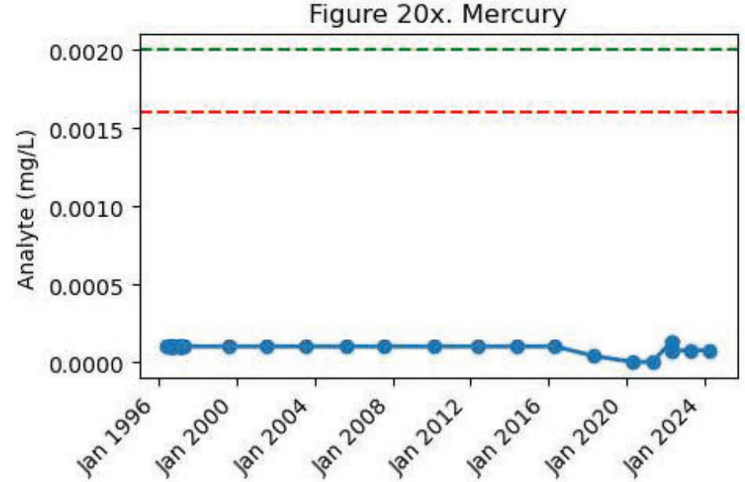

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Figure 20y. Nickel

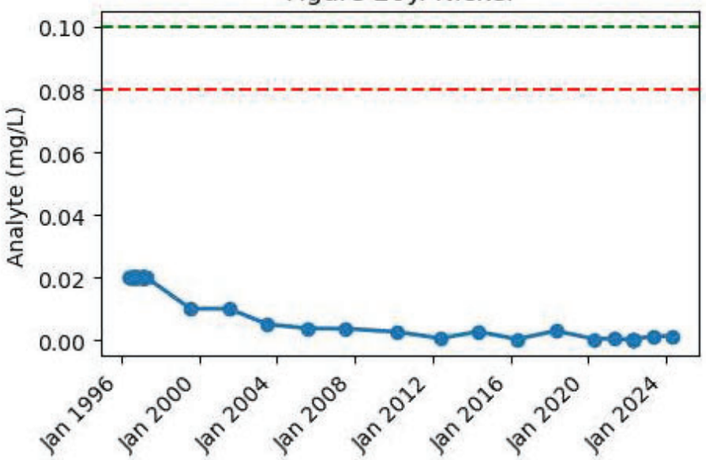

Figure 20z. Nitrate (as N)

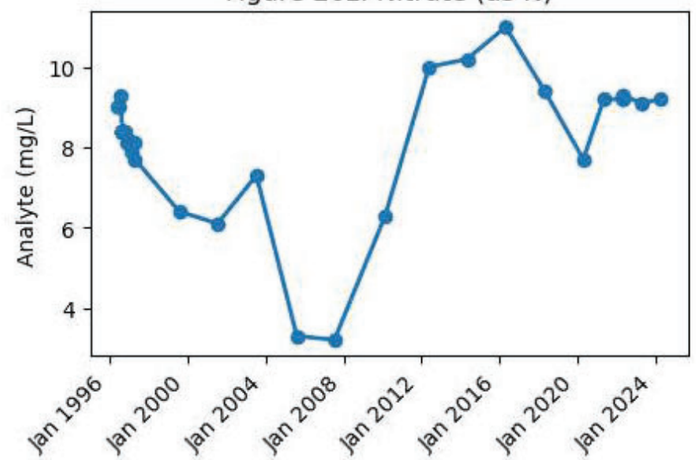

Figure 20aa. pH, Field

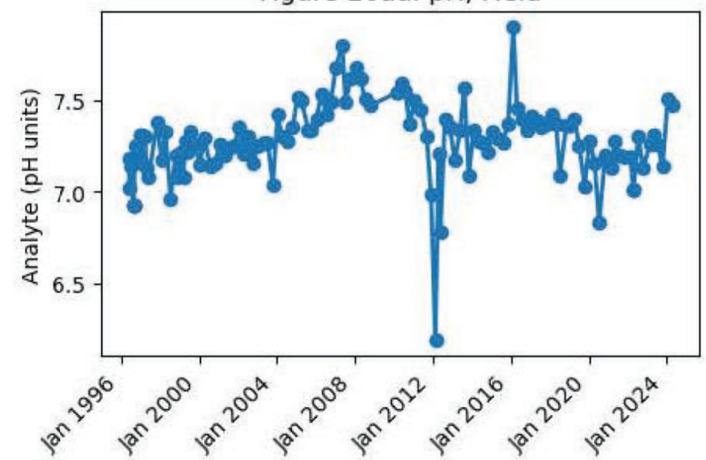

Figure 20ab. Potassium

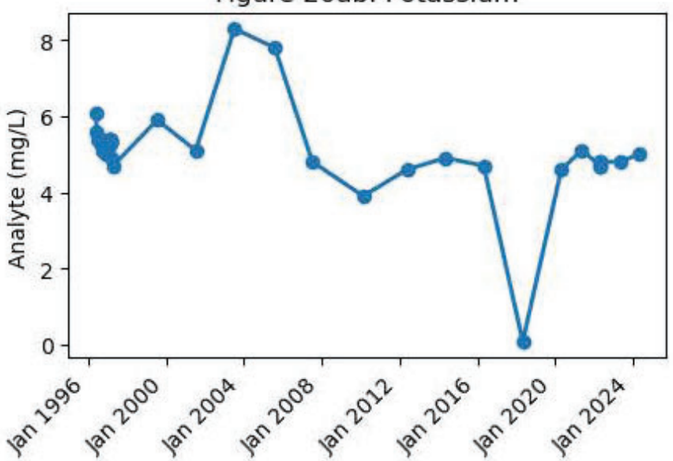

Figure 20ac. Radium-226 & 228

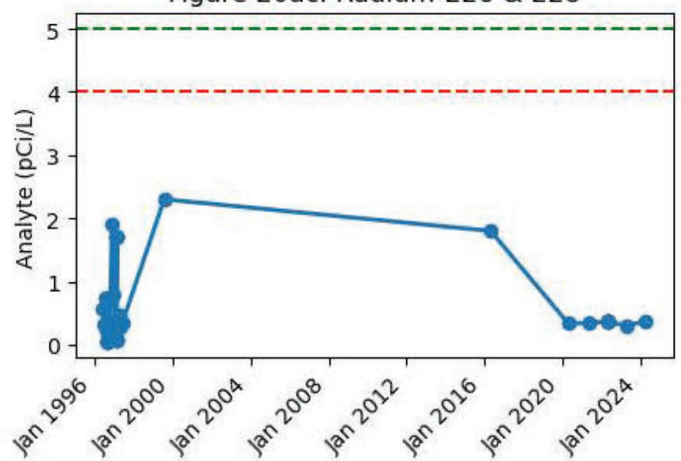

Figure 20ad. Selenium

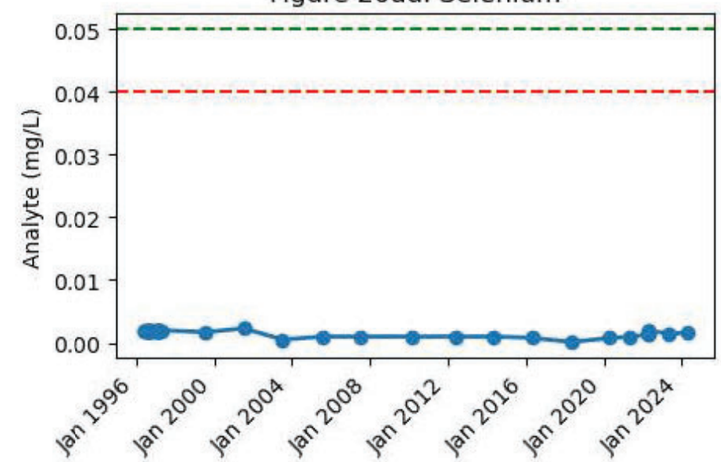

Figure 20ae. Sodium

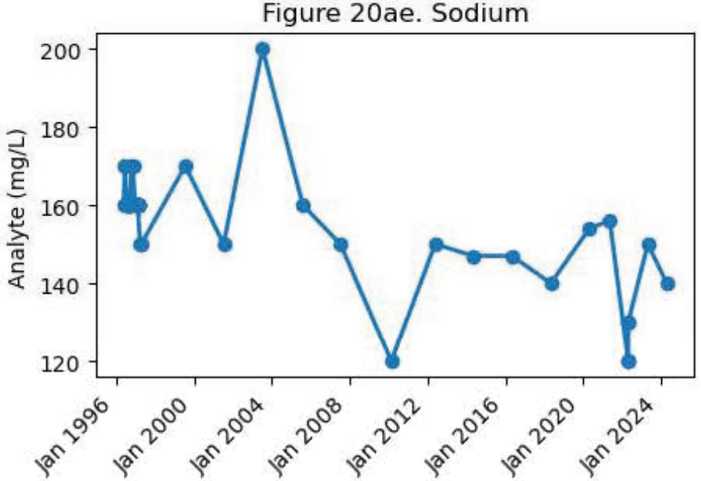

Figure 20af. Specific Conductance, Field

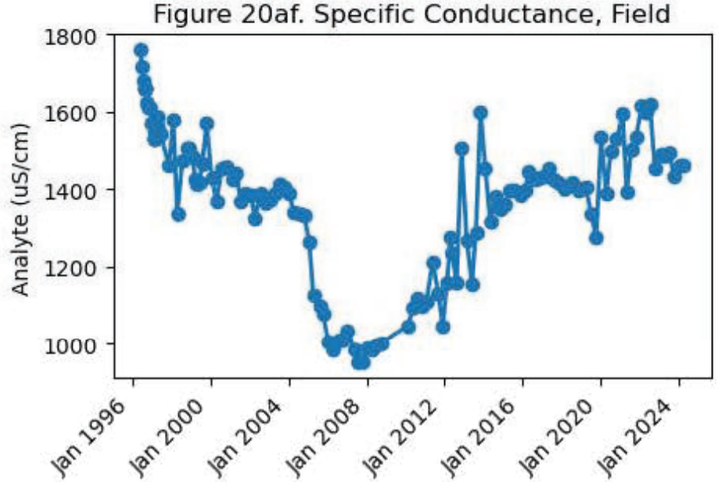

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Figure 20ag. Sulfate

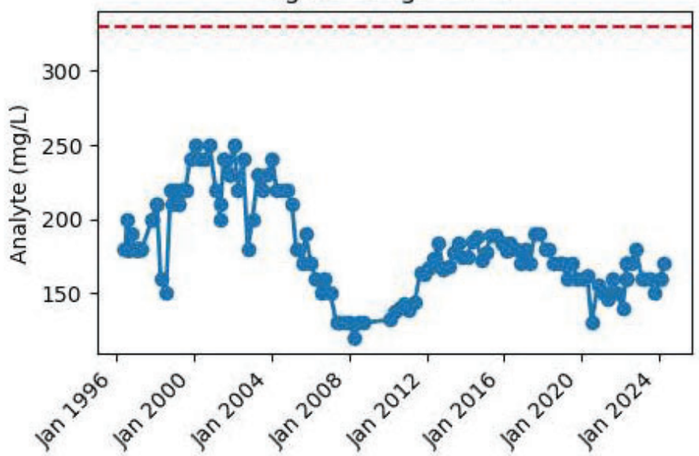


Figure 20ah. Temperature, Field

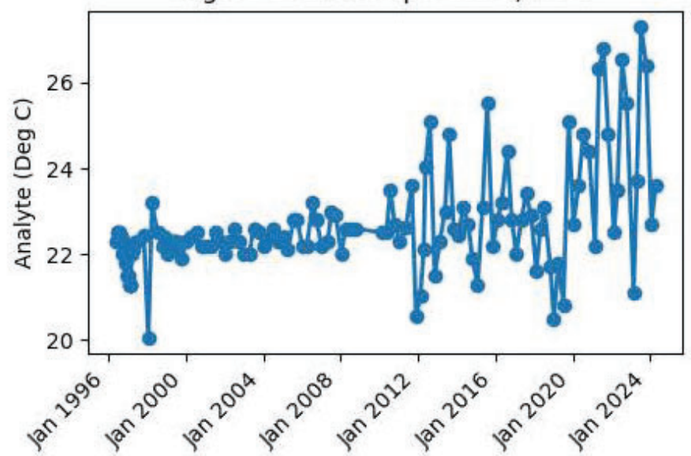


Figure 20ai. Thallium

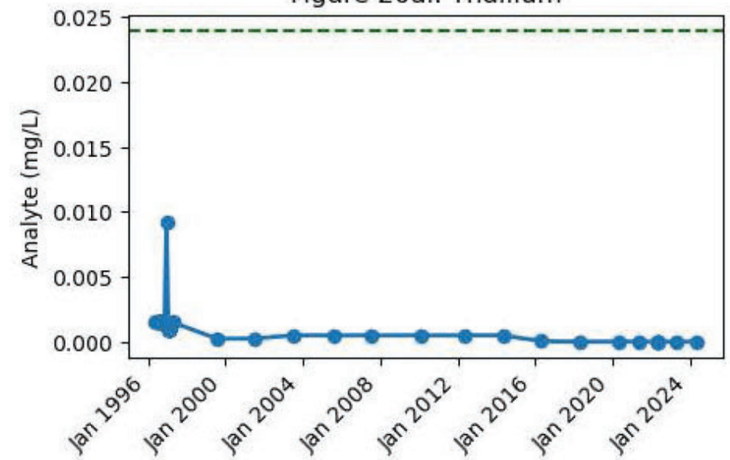


Figure 20aj. Toluene

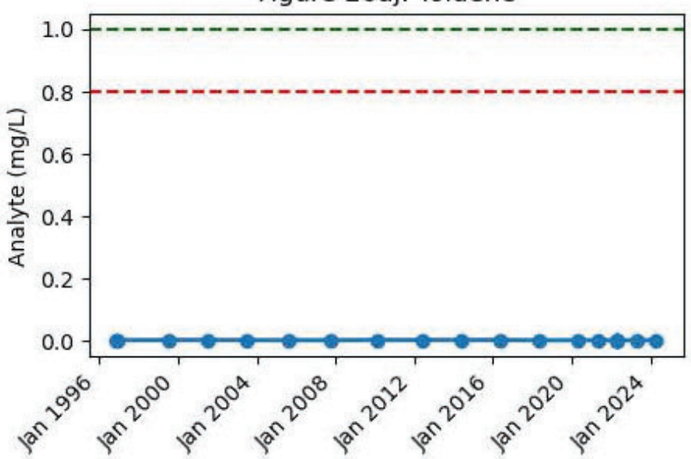


Figure 20ak. Total Dissolved Solids (TDS)

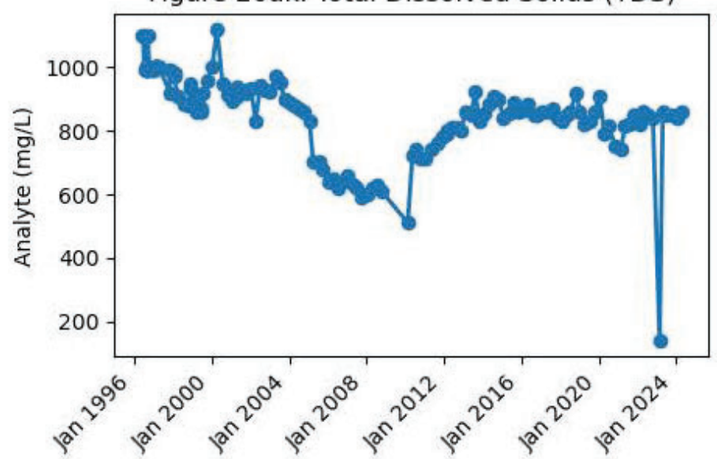


Figure 20al. Total Petroleum Hydrocarbons (C10-C22) Diesel

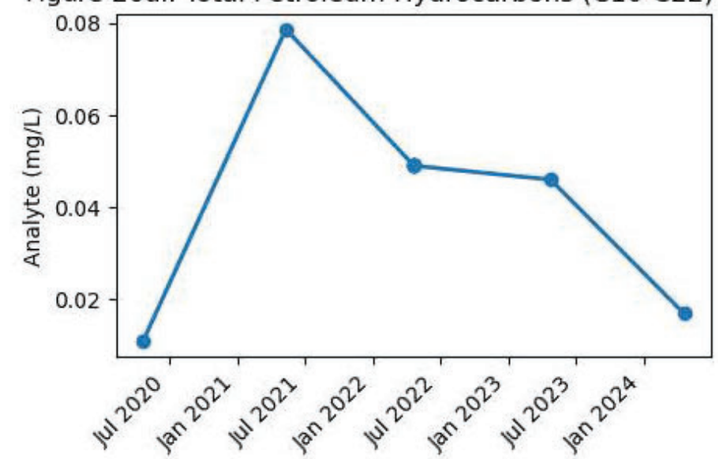


Figure 20am. Turbidity, Field

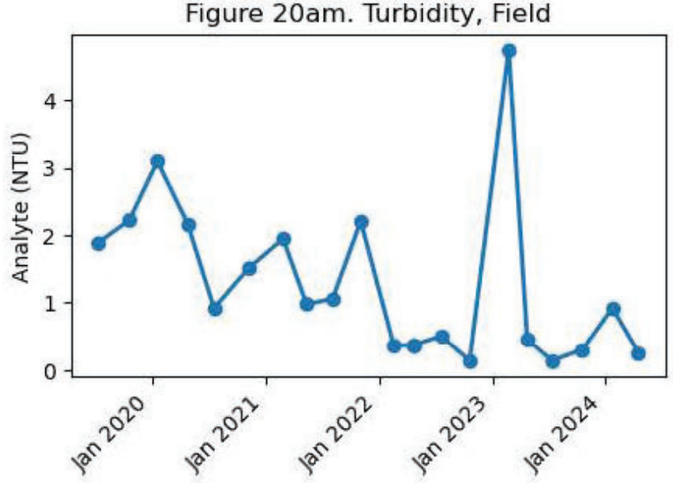
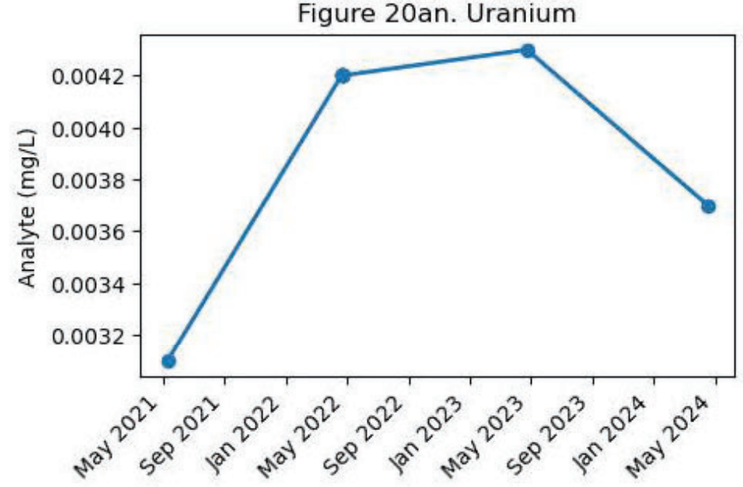


Figure 20an. Uranium



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Displayed ALs and AQLs represent the current reporting period

M31-LBF Quarterly Analyte Graphs

Figure 20ao. Xylene (Total)

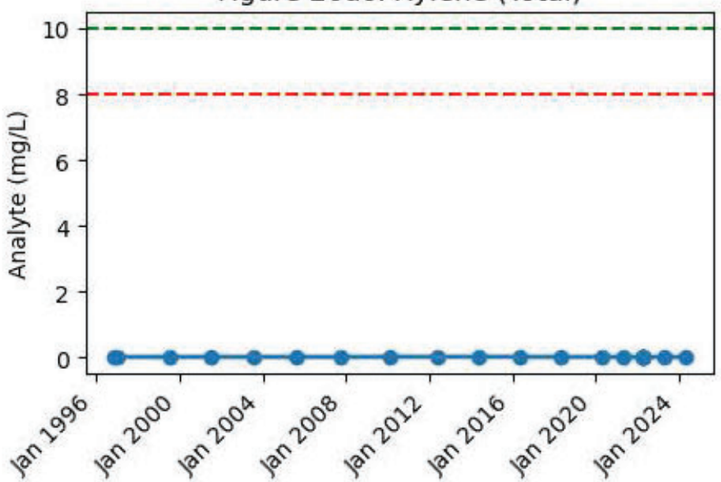


Figure 20ap. Zinc

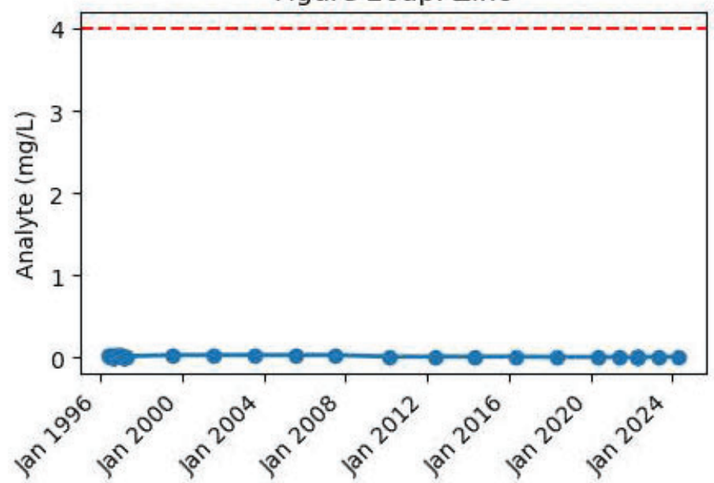


Figure 20aq. Total Uranium Isotopes

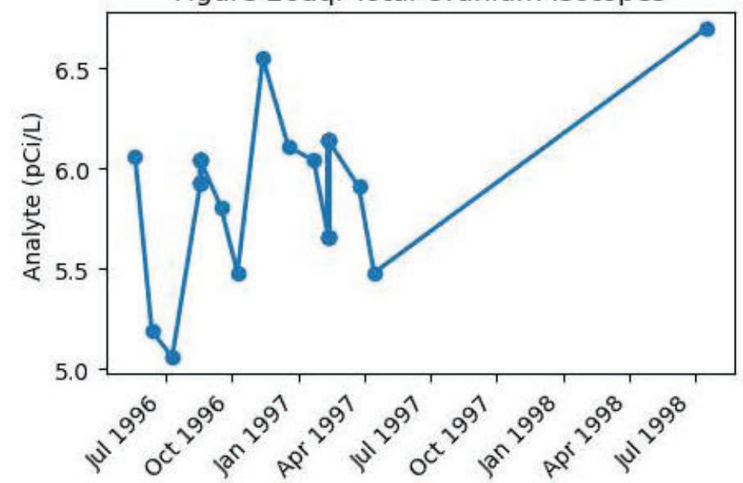
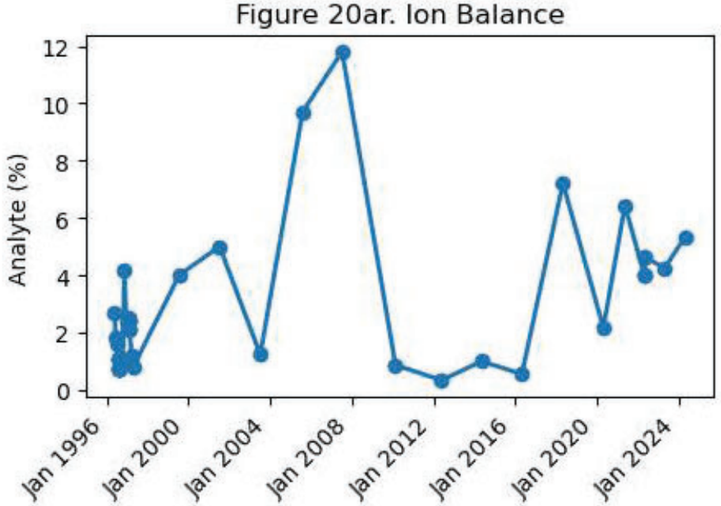
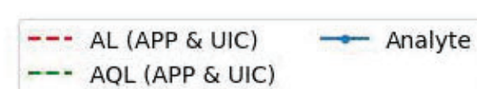


Figure 20ar. Ion Balance





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M3-GL Quarterly Analyte Graphs

Figure 21a. Alkalinity, Bicarbonate

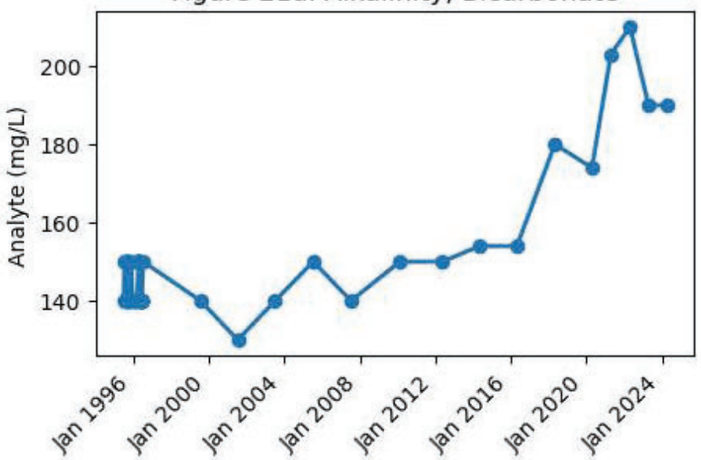


Figure 21b. Alkalinity, Carbonate

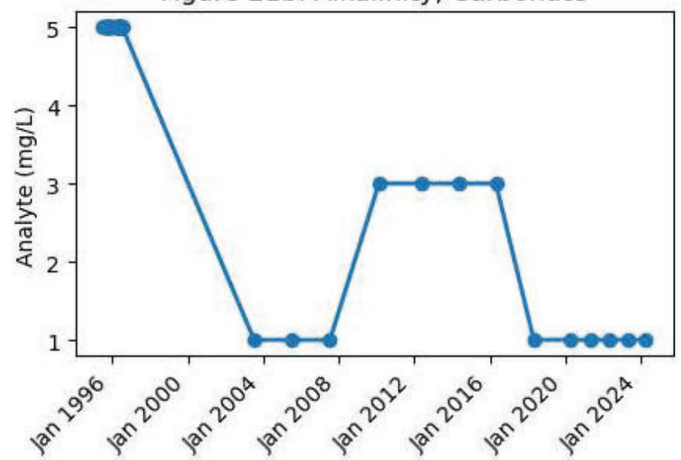


Figure 21c. Alkalinity, Hydroxide

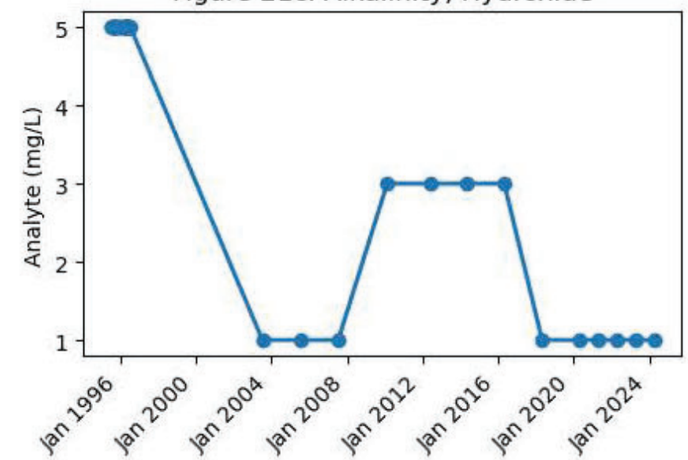


Figure 21d. Alkalinity, Total (as CaCO3)

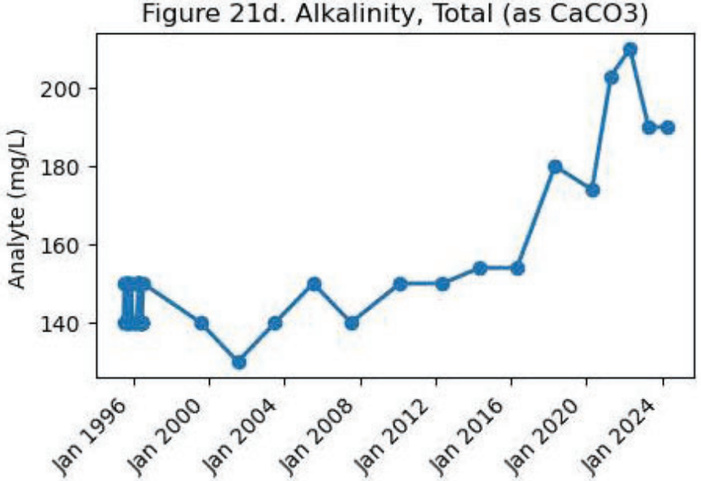


Figure 21e. Aluminum

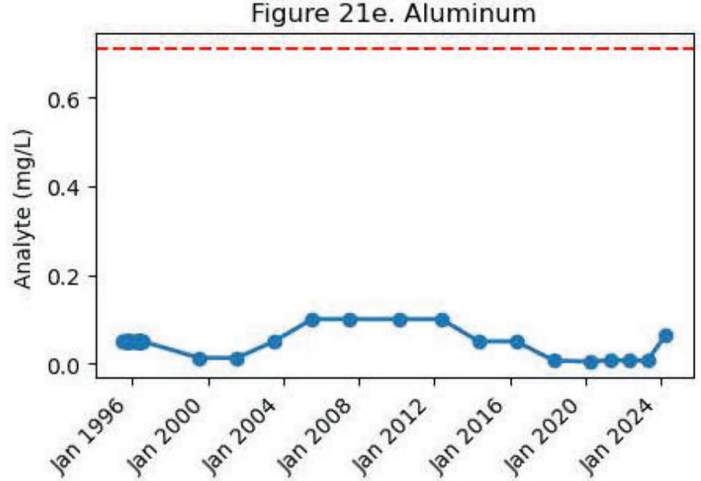


Figure 21f. Antimony

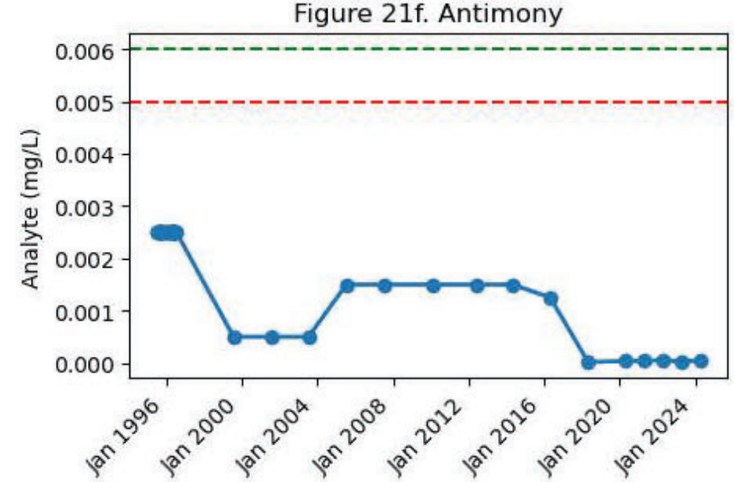


Figure 21g. Arsenic

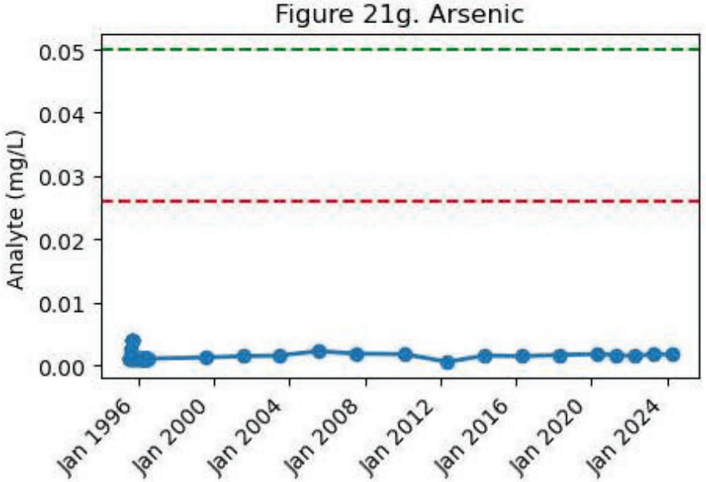
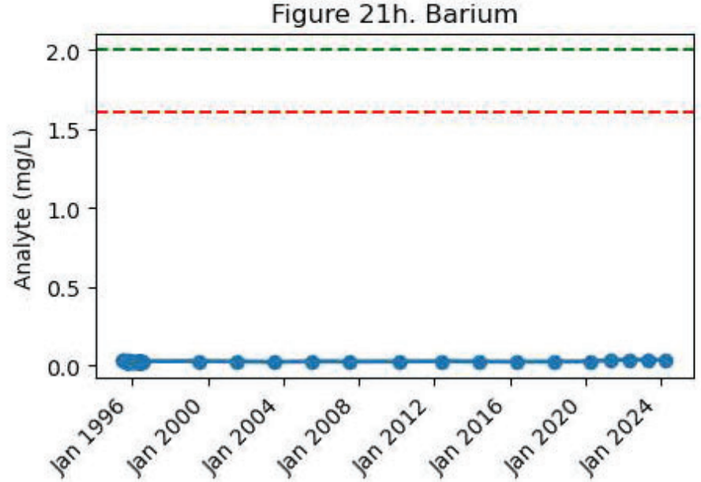


Figure 21h. Barium



AL (APP & UIC)
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M3-GL Quarterly Analyte Graphs

Figure 21i. Benzene

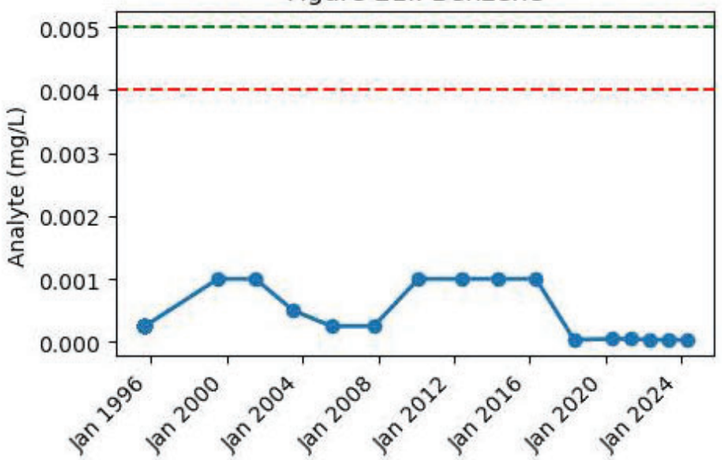


Figure 21j. Beryllium

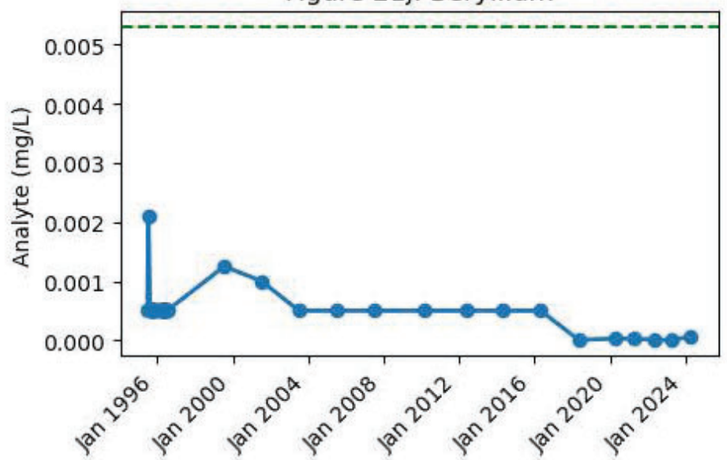


Figure 21k. Cadmium

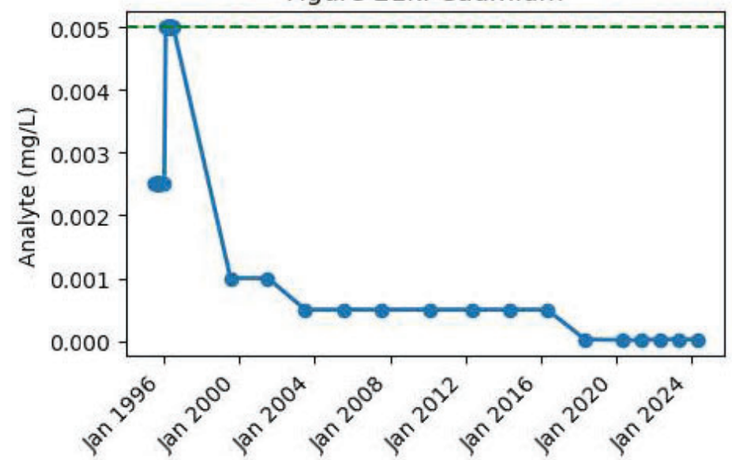


Figure 21l. Calcium

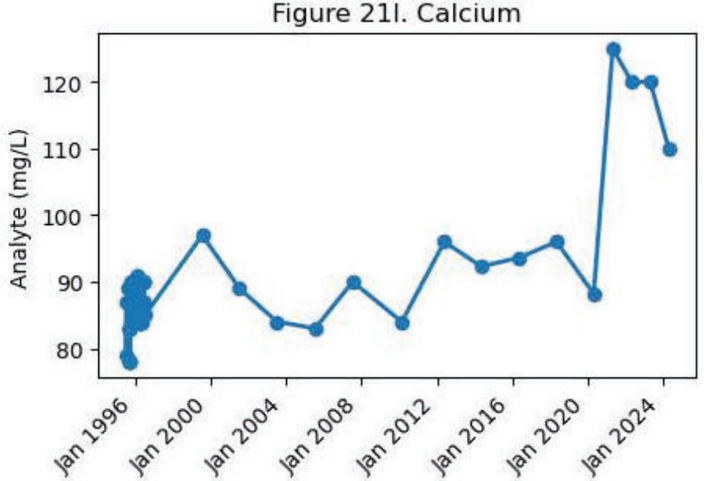


Figure 21m. Chloride

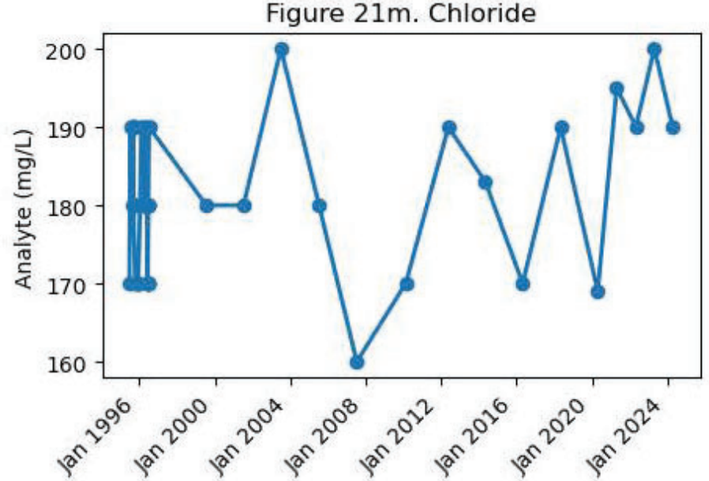


Figure 21n. Chromium

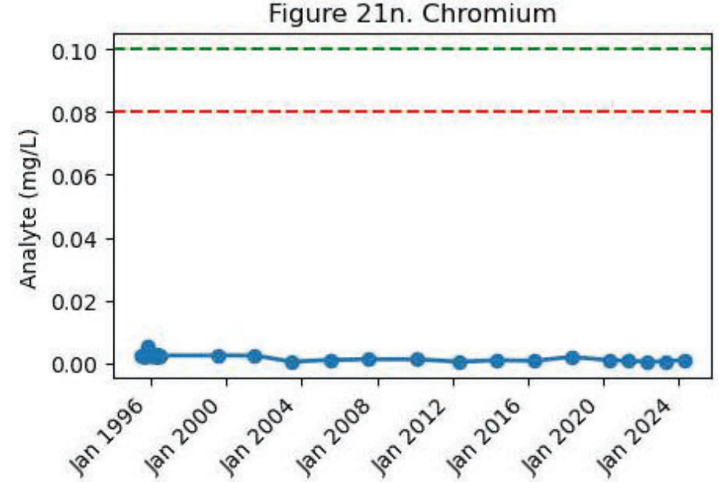


Figure 21o. Cobalt

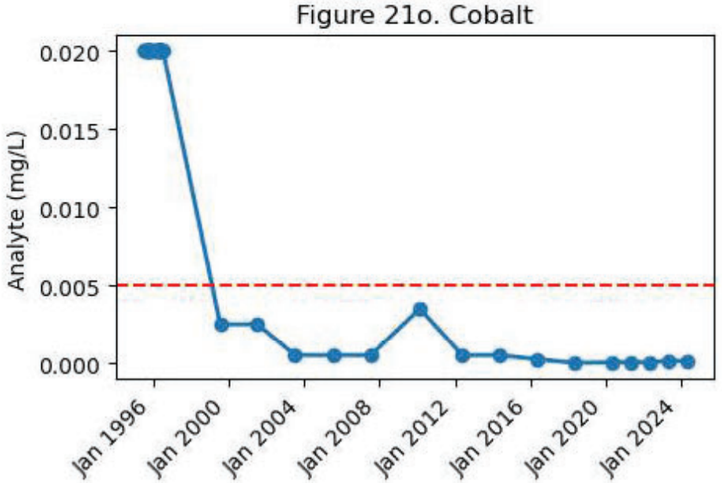
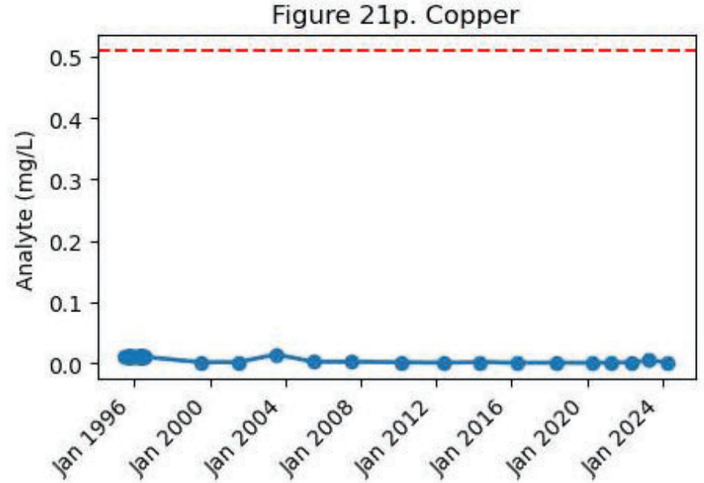


Figure 21p. Copper



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M3-GL Quarterly Analyte Graphs

Figure 21q. Ethylbenzene

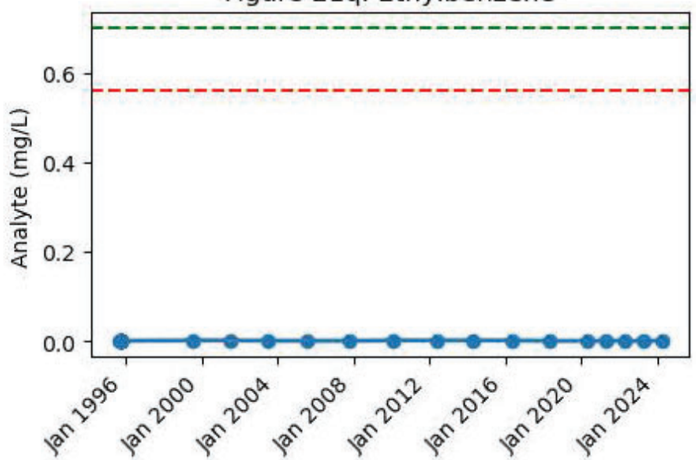


Figure 21r. Fluoride

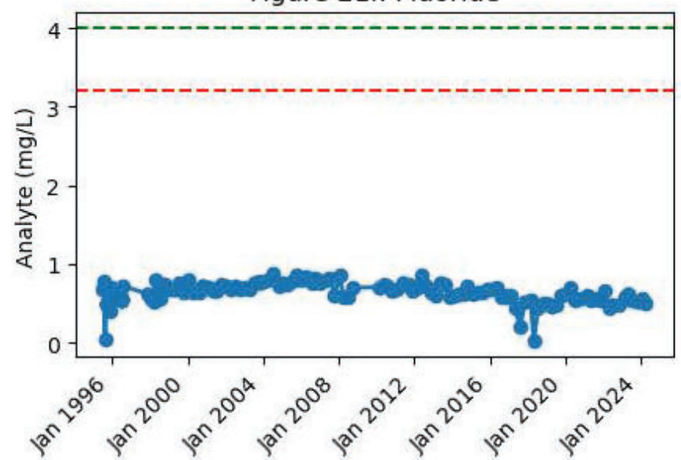


Figure 21s. Gross Alpha Analytes

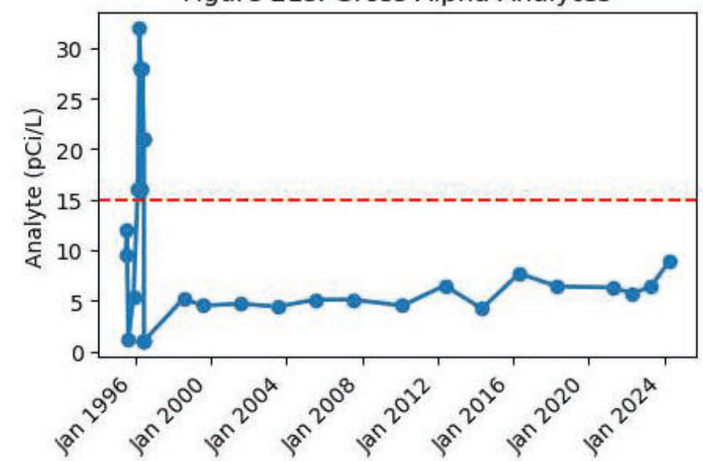


Figure 21t. Iron

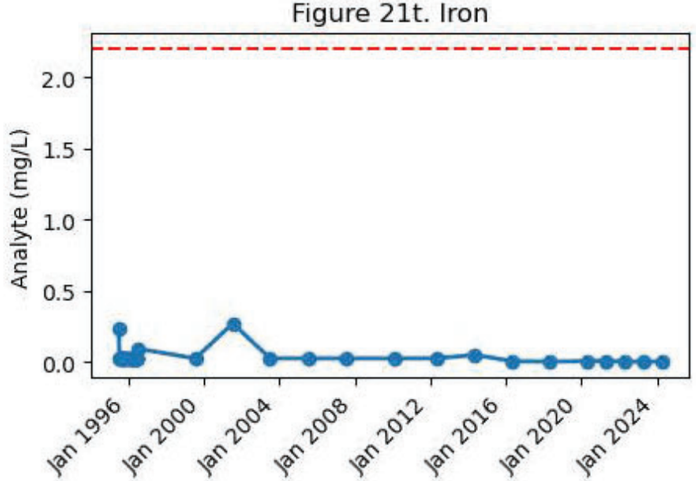


Figure 21u. Lead

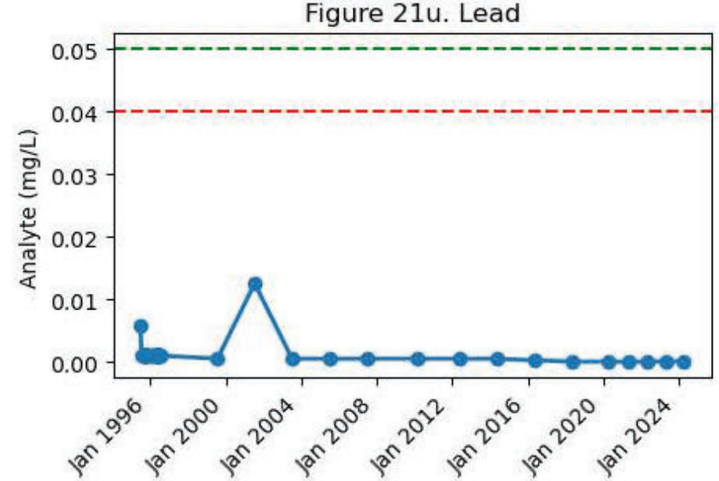


Figure 21v. Magnesium

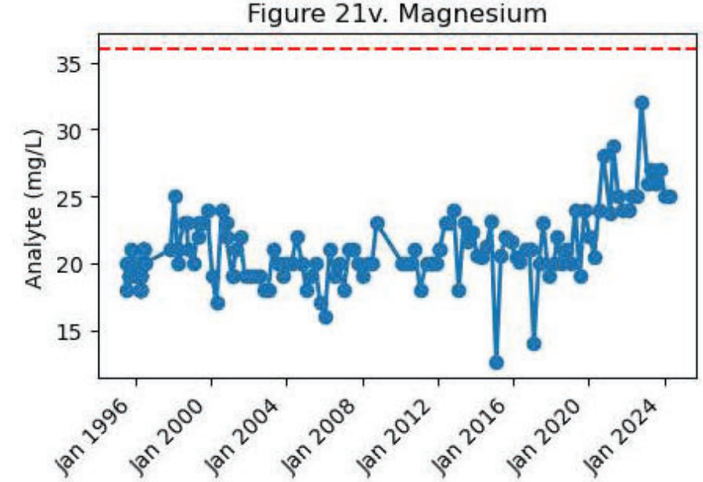


Figure 21w. Manganese

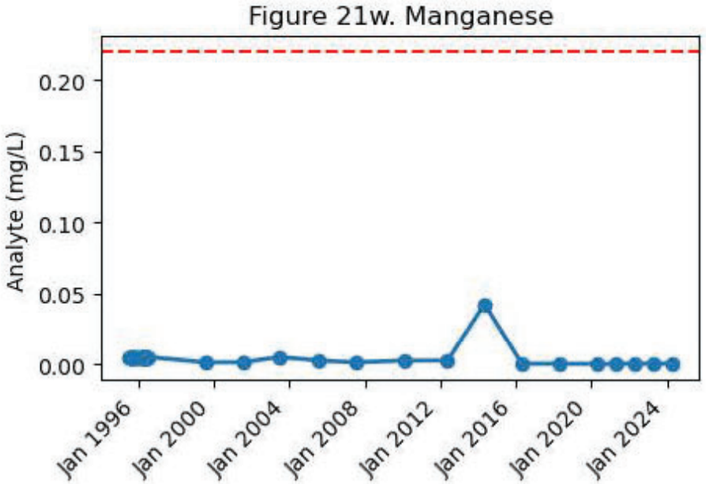
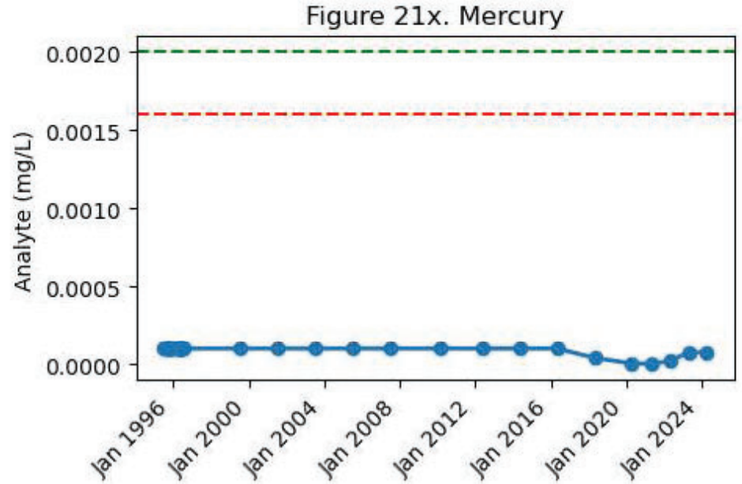


Figure 21x. Mercury



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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M3-GL Quarterly Analyte Graphs

Figure 21y. Nickel

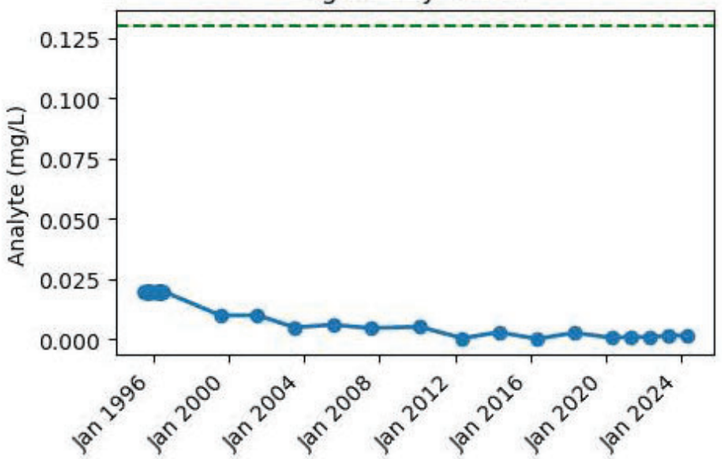


Figure 21z. Nitrate (as N)

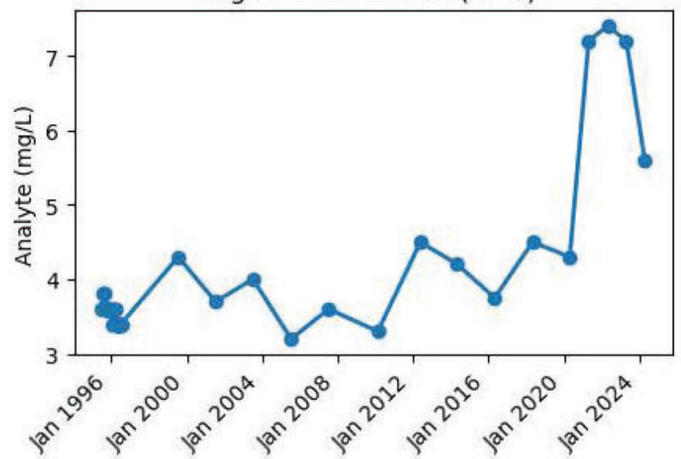


Figure 21aa. pH, Field

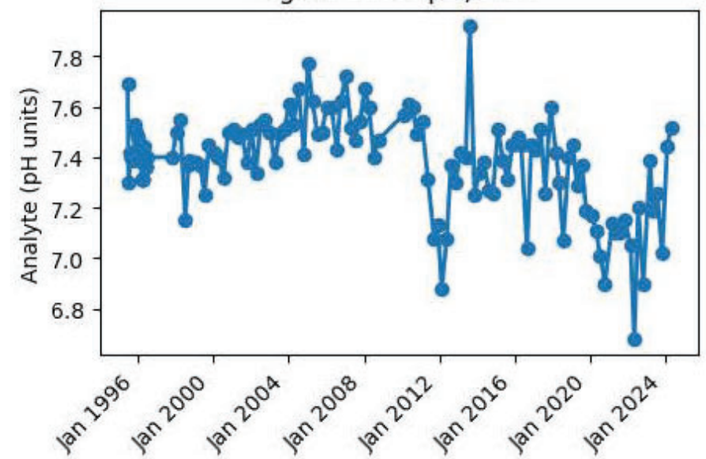


Figure 21ab. Potassium

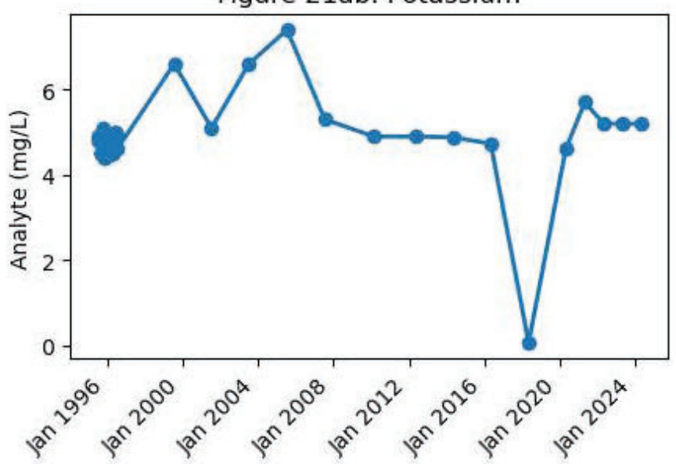


Figure 21ac. Radium-226 & 228

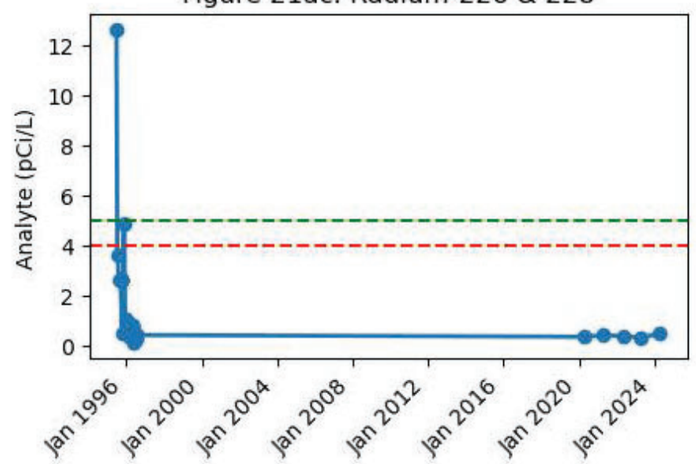


Figure 21ad. Selenium

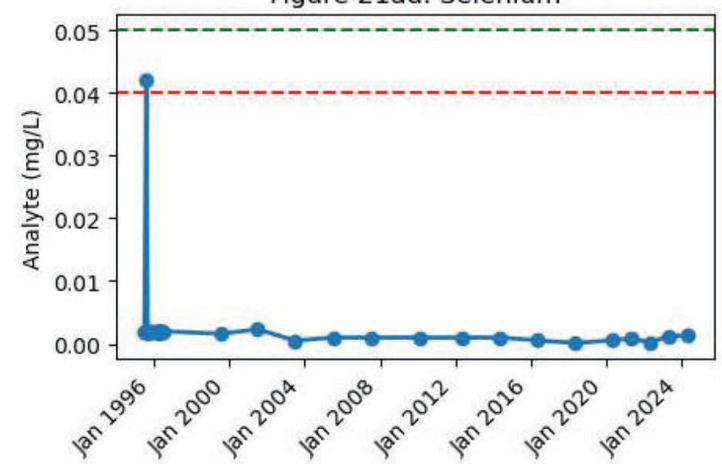


Figure 21ae. Sodium

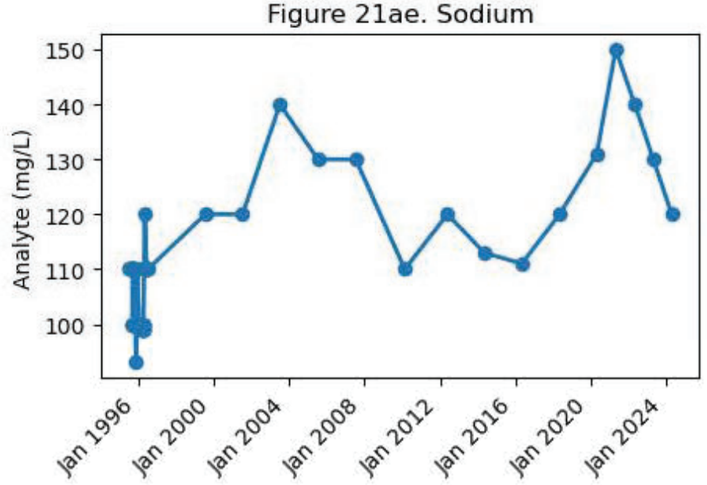
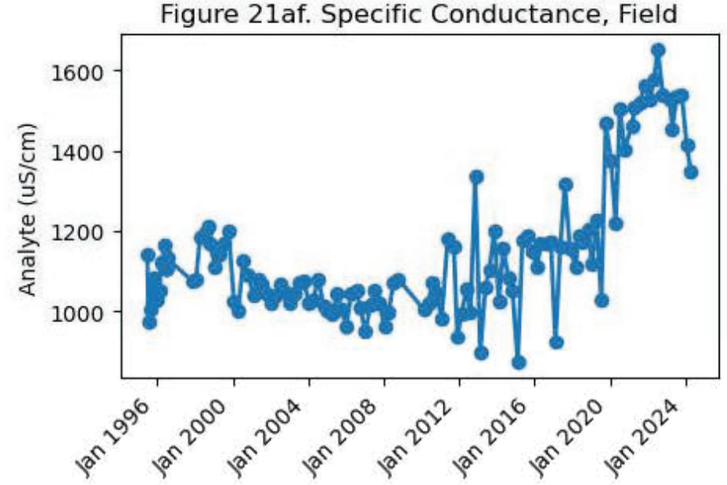


Figure 21af. Specific Conductance, Field



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M3-GL Quarterly Analyte Graphs

Figure 21ag. Sulfate

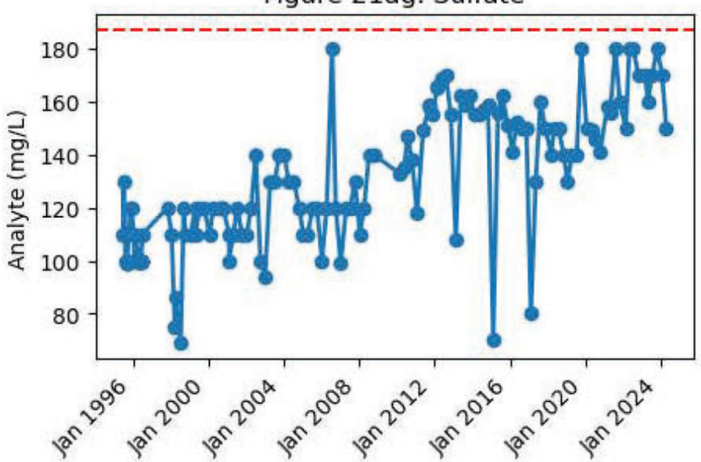


Figure 21ah. Temperature, Field

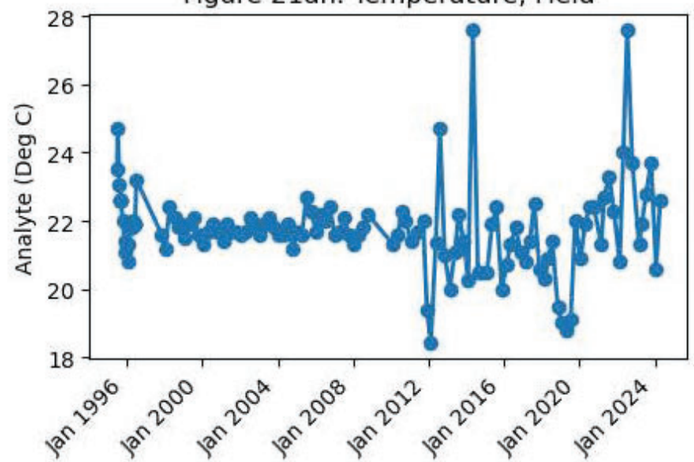


Figure 21ai. Thallium

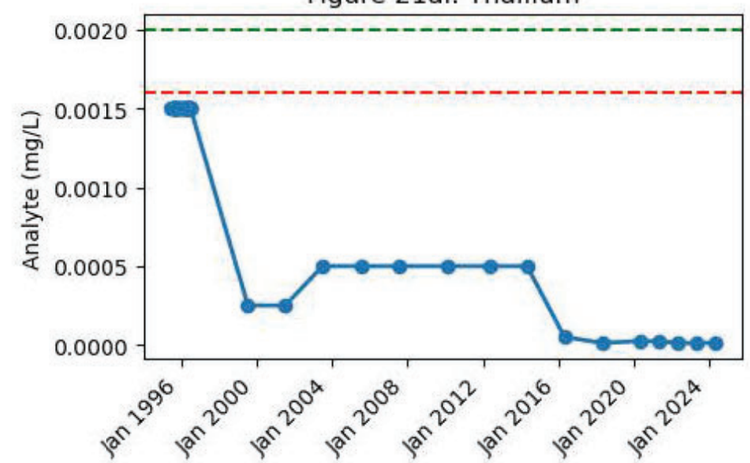


Figure 21aj. Toluene

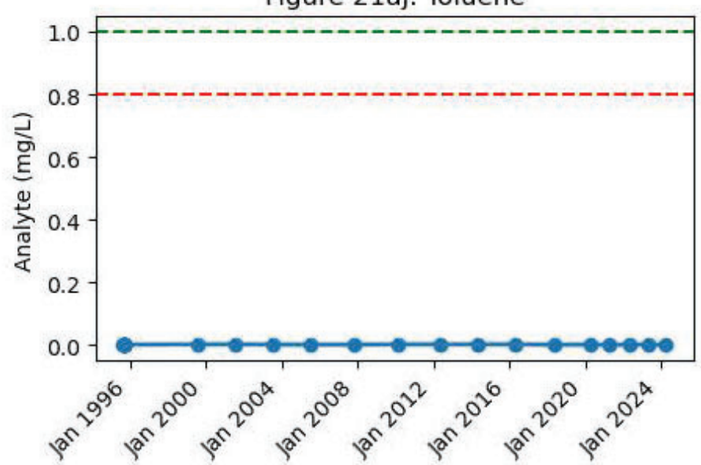


Figure 21ak. Total Dissolved Solids (TDS)

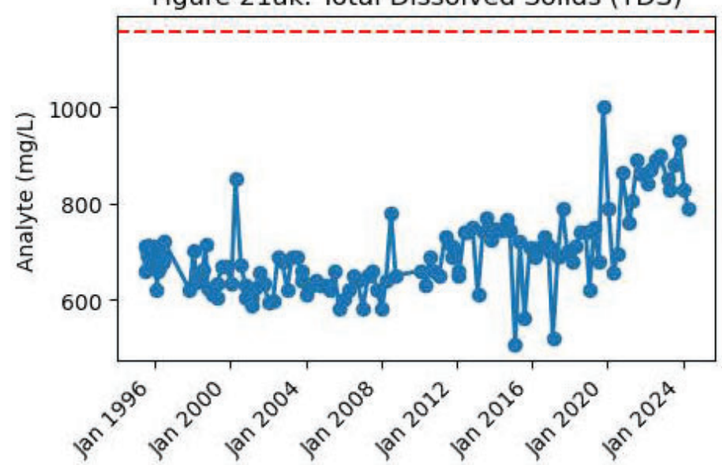


Figure 21al. Total Petroleum Hydrocarbons (C10-C22) Diesel

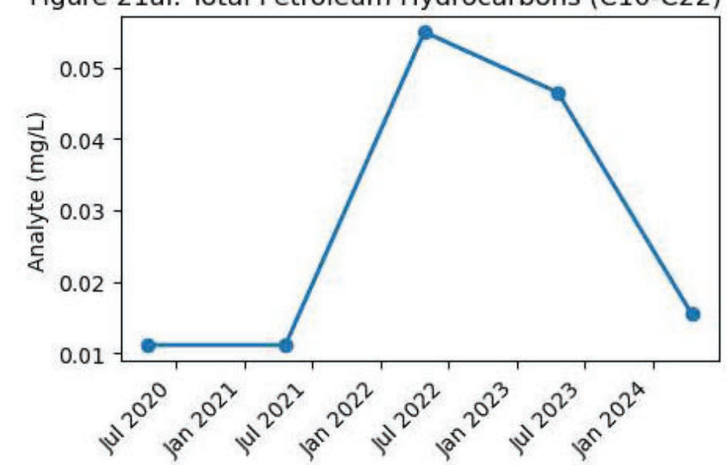


Figure 21am. Turbidity, Field

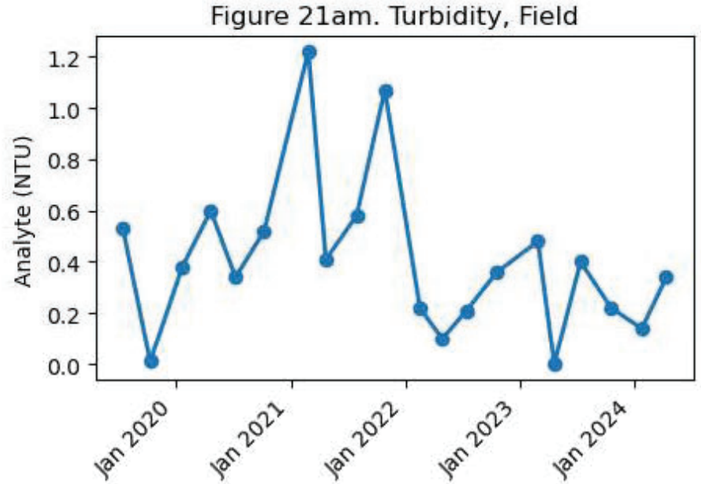
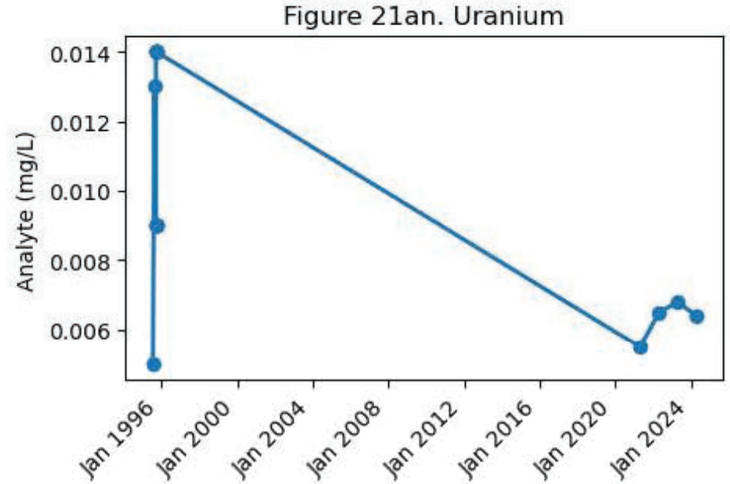


Figure 21an. Uranium



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M3-GL Quarterly Analyte Graphs

Figure 21ao. Xylene (Total)

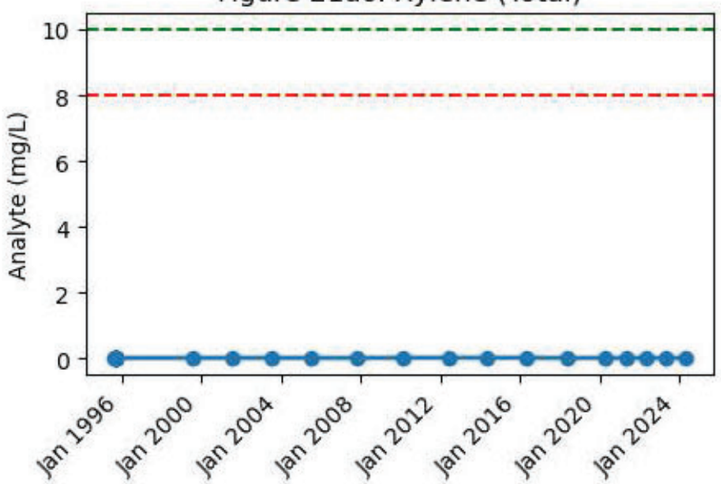


Figure 21ap. Zinc

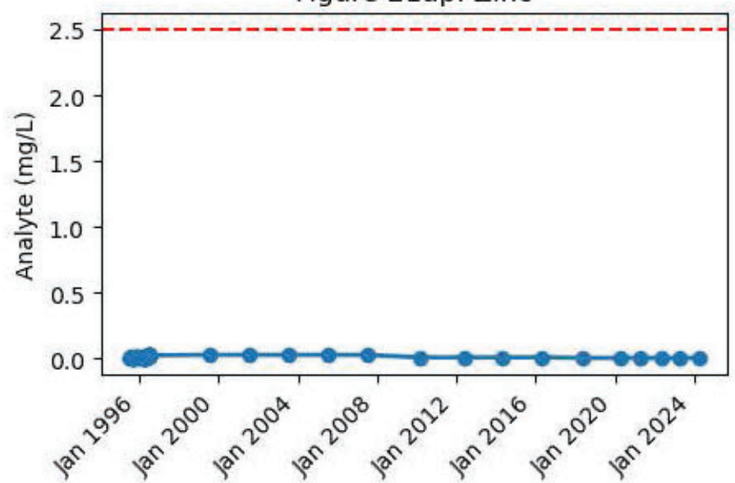


Figure 21aq. Total Uranium Isotopes

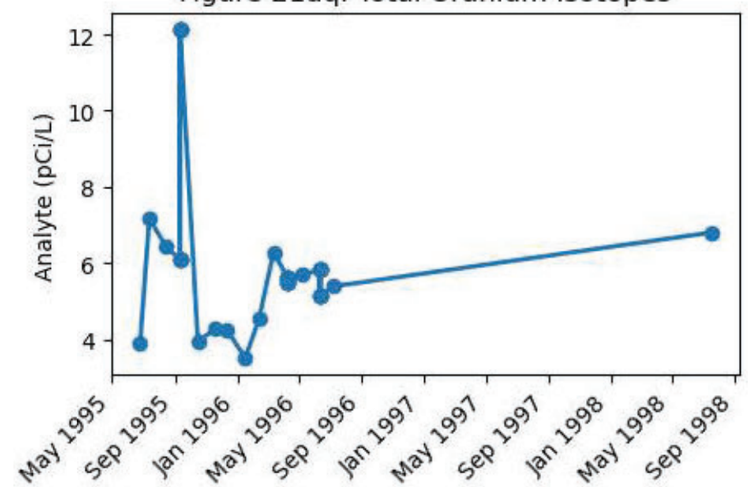
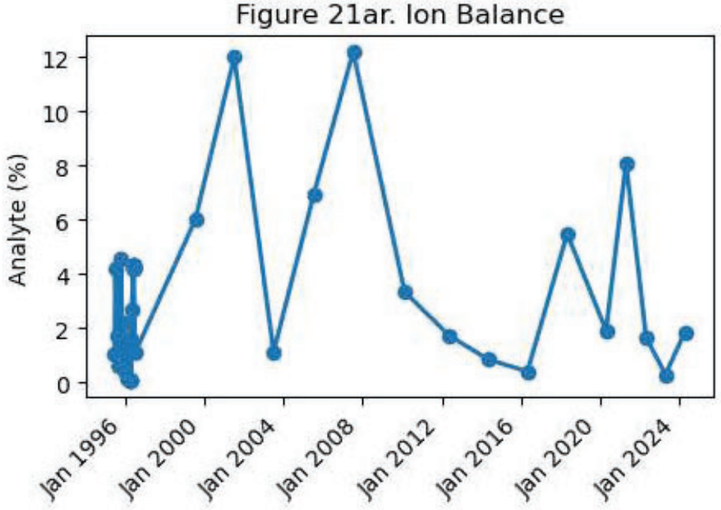


Figure 21ar. Ion Balance



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M4-O Quarterly Analyte Graphs

Figure 22a. Alkalinity, Bicarbonate

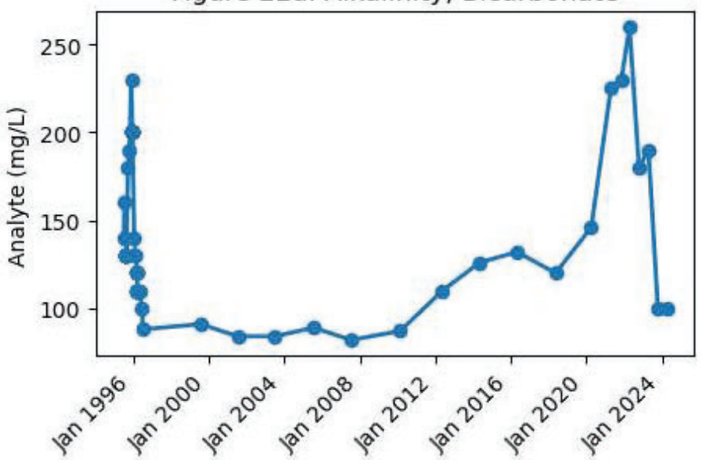


Figure 22b. Alkalinity, Carbonate

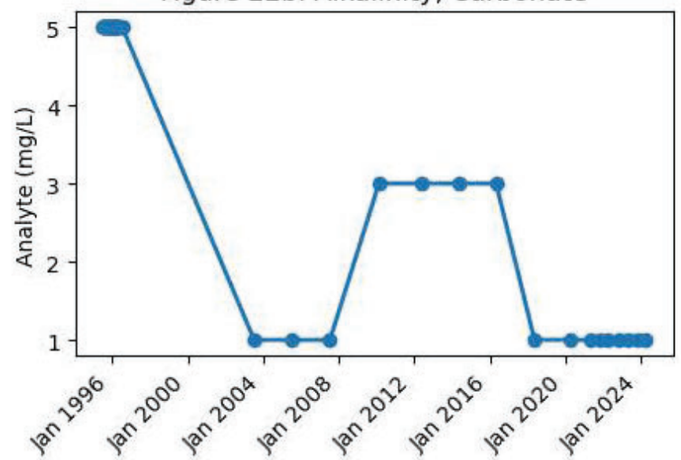


Figure 22c. Alkalinity, Hydroxide

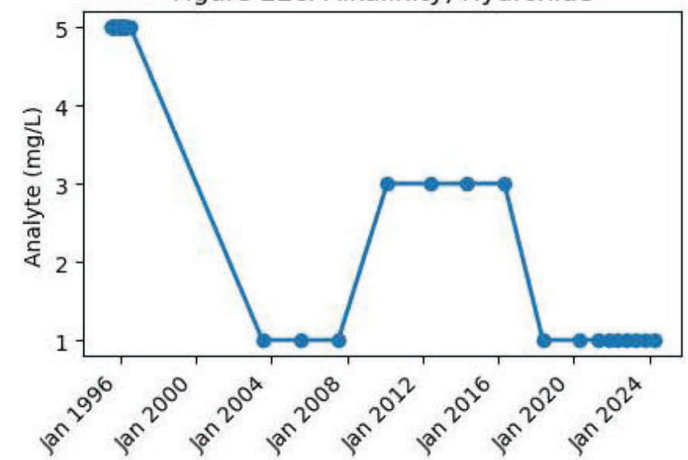


Figure 22d. Alkalinity, Total (as CaCO3)

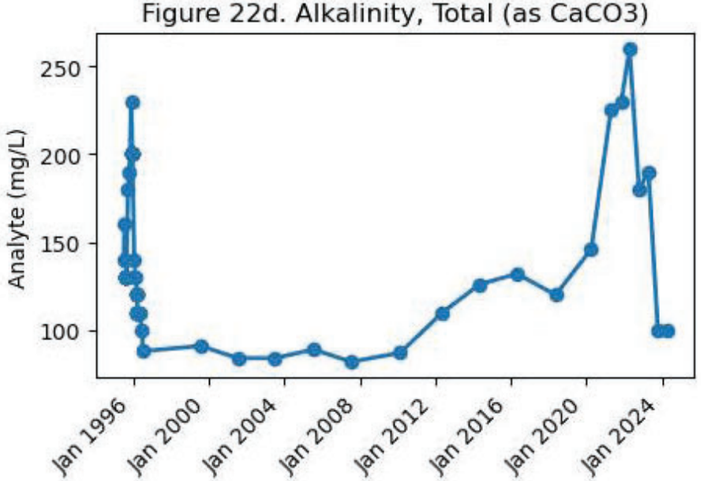


Figure 22e. Aluminum

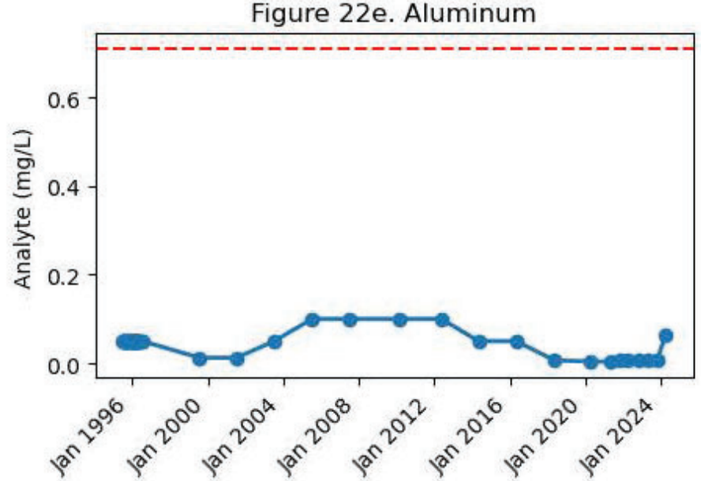


Figure 22f. Antimony

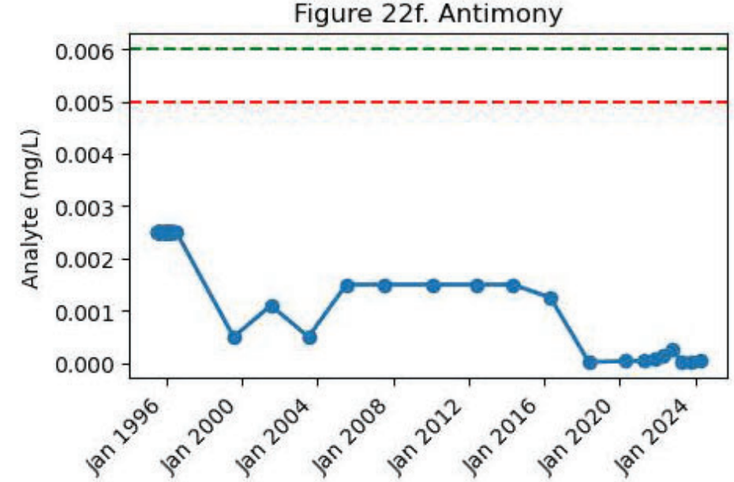


Figure 22g. Arsenic

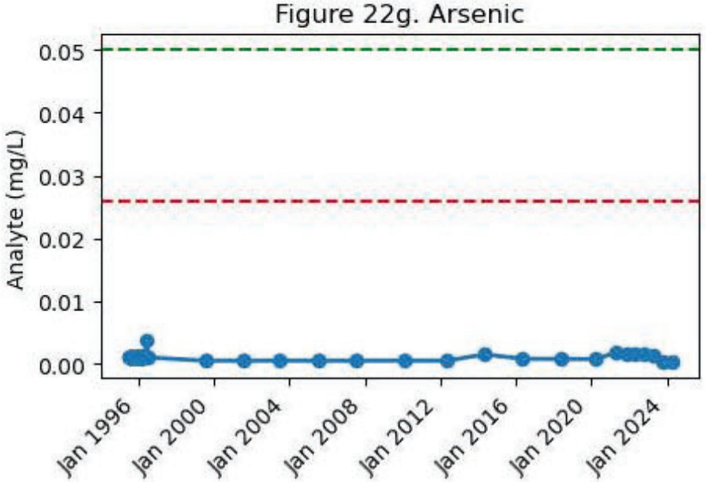
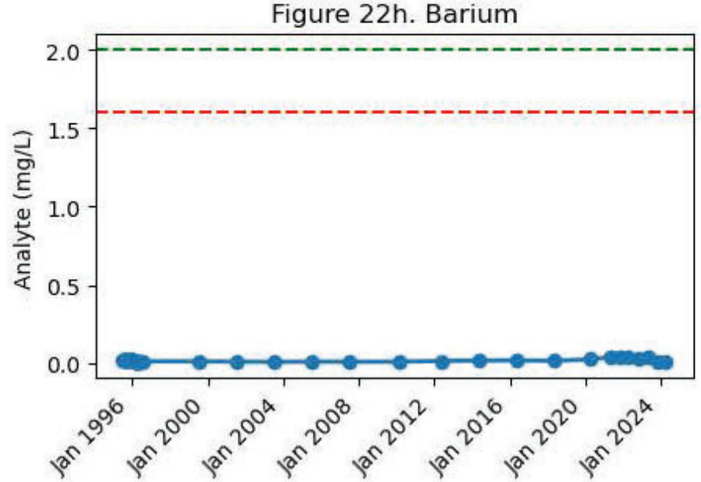


Figure 22h. Barium



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M4-O Quarterly Analyte Graphs

Figure 22i. Benzene

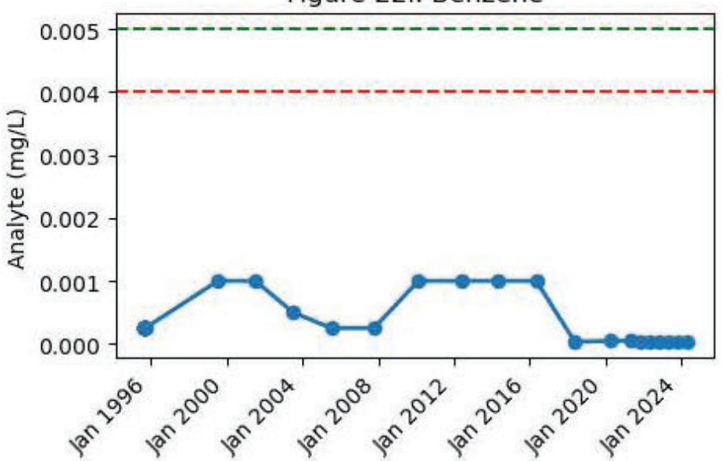


Figure 22j. Beryllium

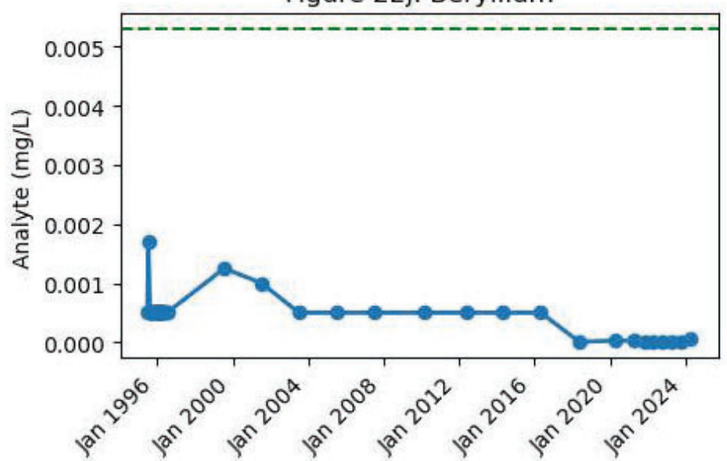


Figure 22k. Cadmium

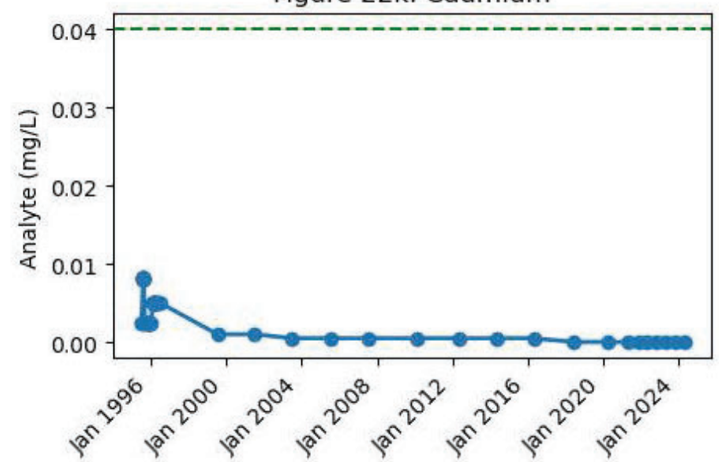


Figure 22l. Calcium

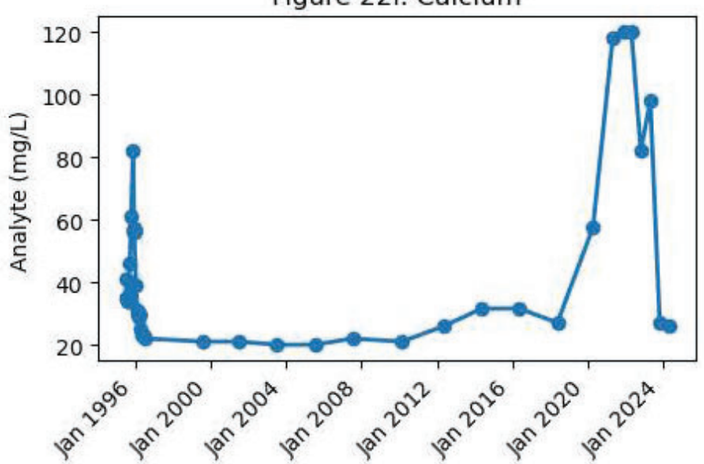


Figure 22m. Chloride

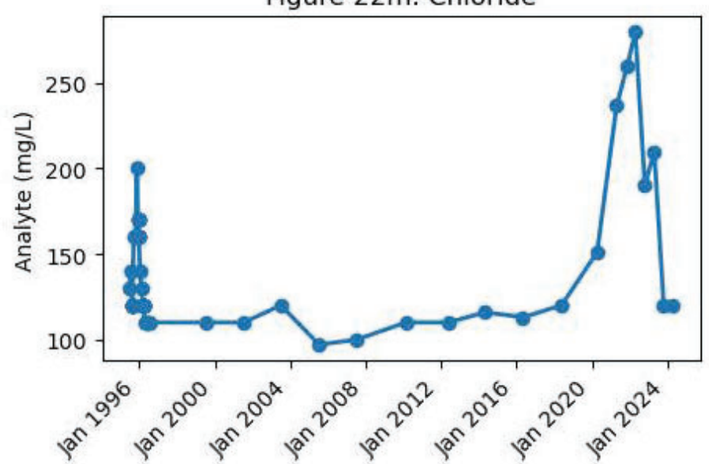


Figure 22n. Chromium

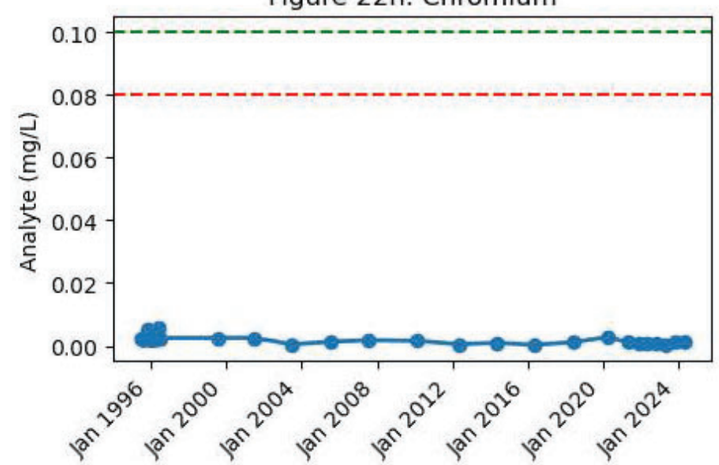


Figure 22o. Cobalt

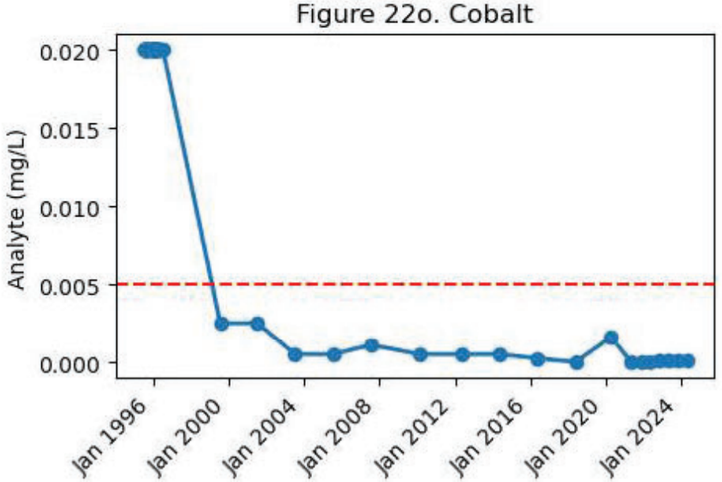
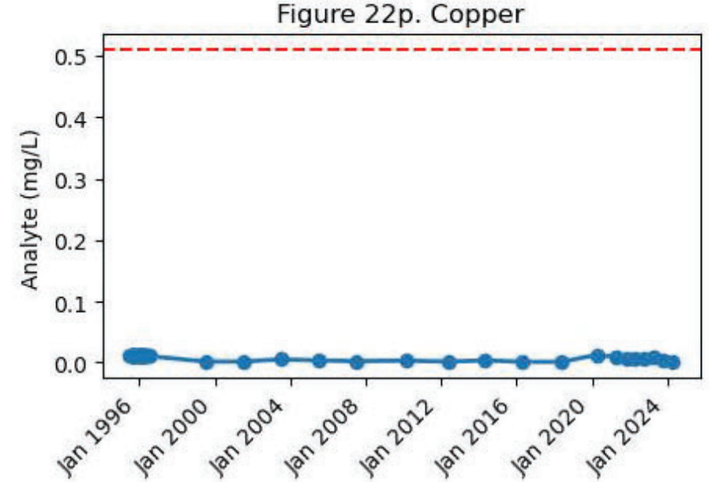


Figure 22p. Copper



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M4-O Quarterly Analyte Graphs

Figure 22q. Ethylbenzene

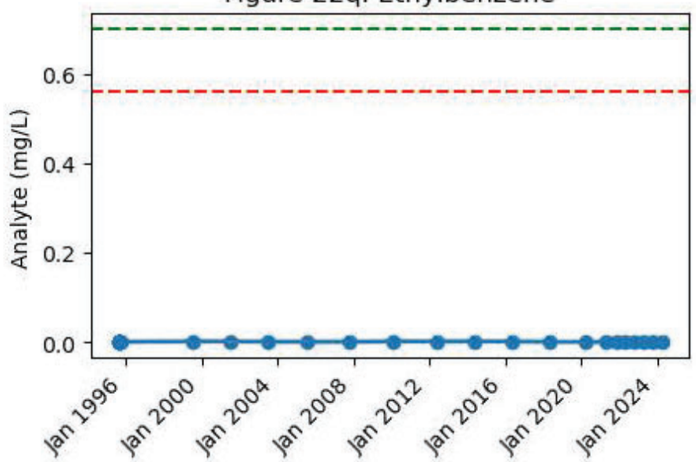


Figure 22r. Fluoride

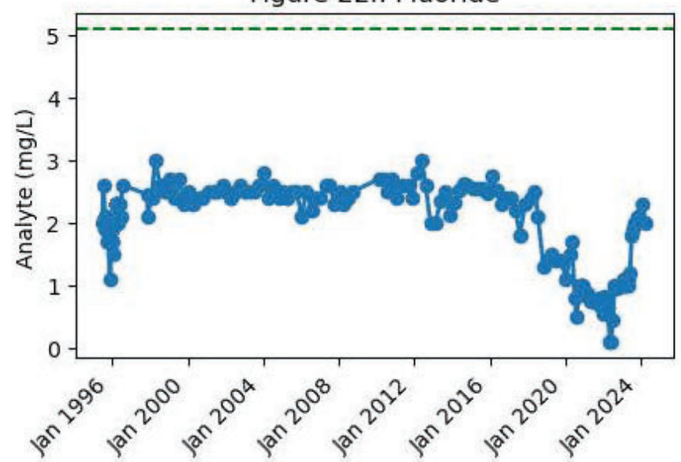


Figure 22s. Gross Alpha Analytes

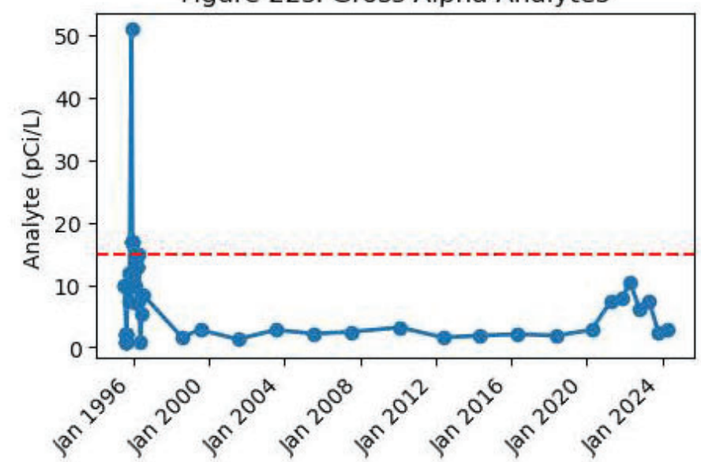


Figure 22t. Iron

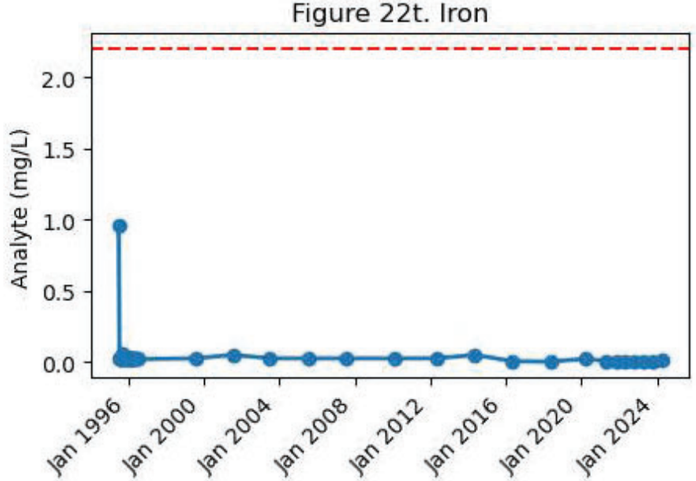


Figure 22u. Lead

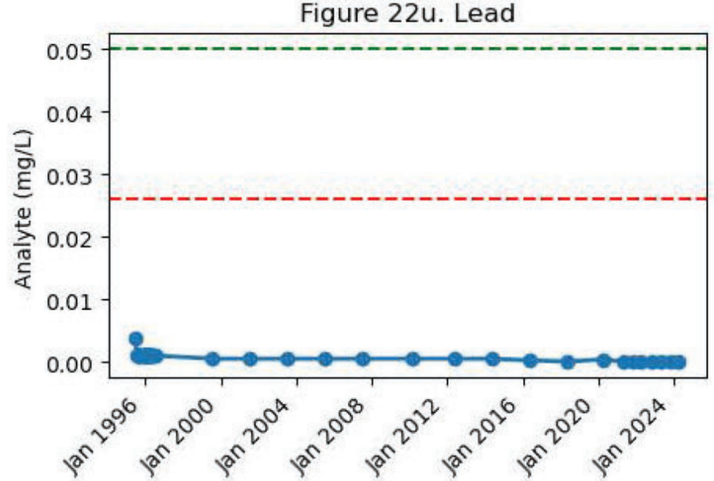


Figure 22v. Magnesium

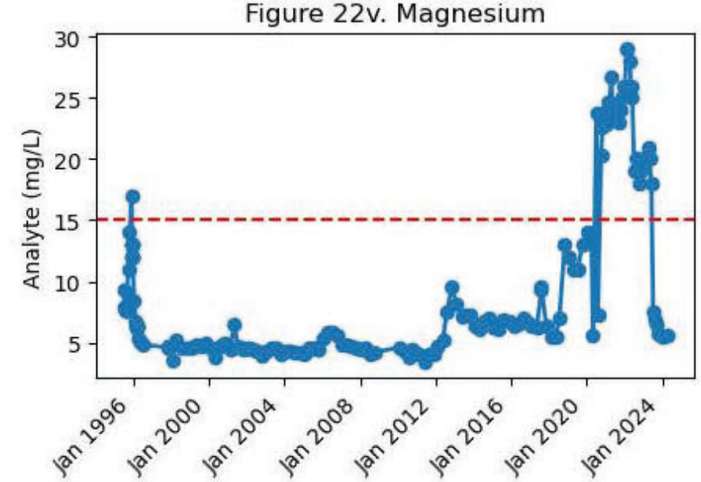


Figure 22w. Manganese

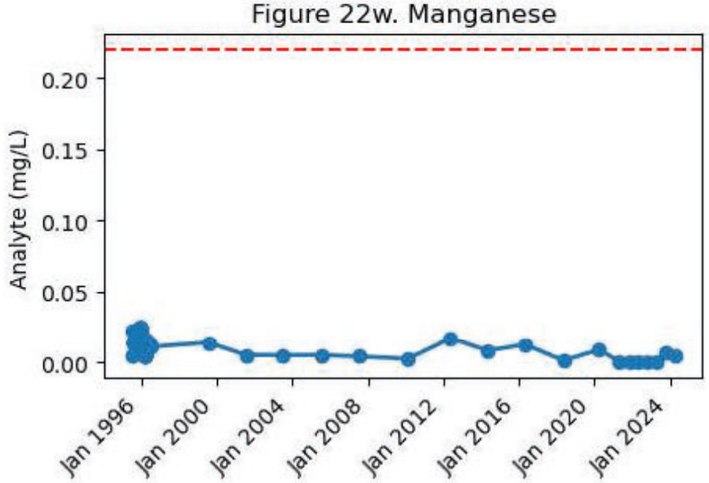
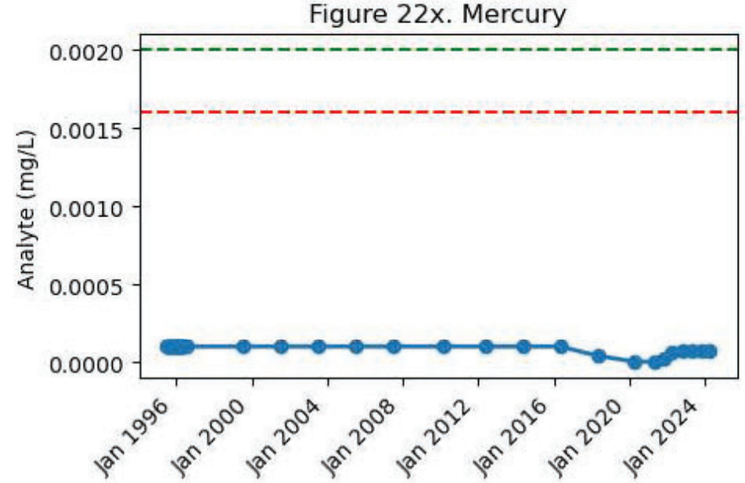


Figure 22x. Mercury



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M4-O Quarterly Analyte Graphs

Figure 22y. Nickel

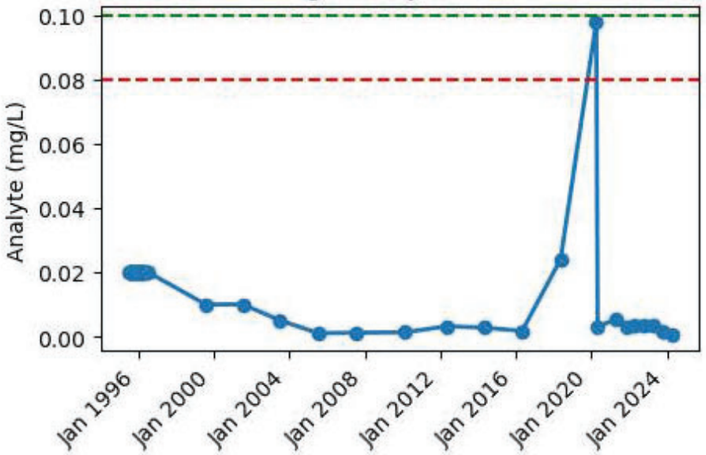


Figure 22z. Nitrate (as N)

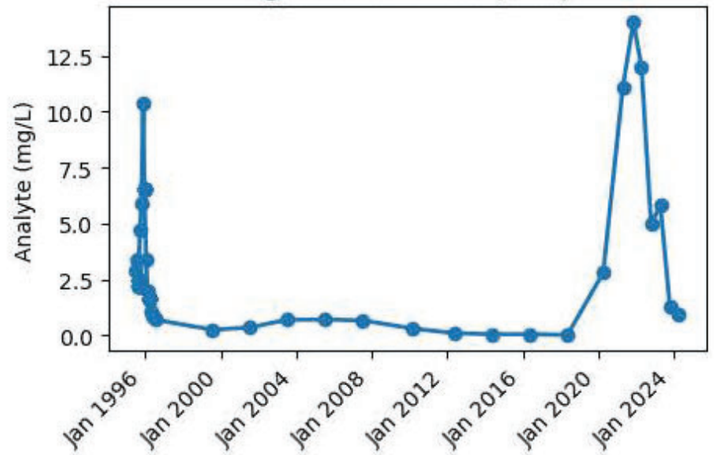


Figure 22aa. pH, Field

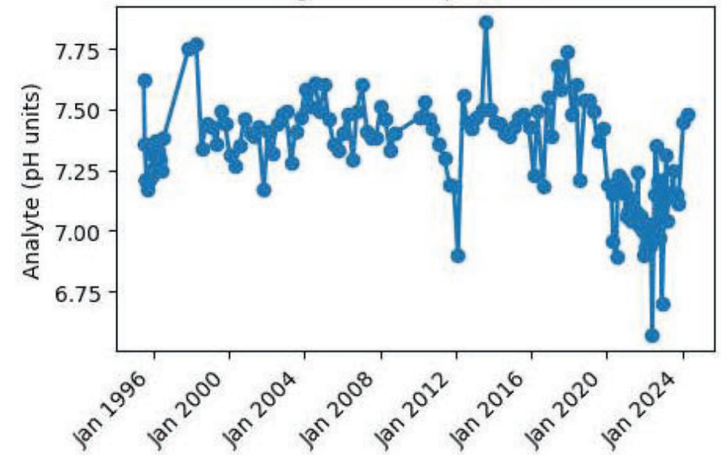


Figure 22ab. Potassium

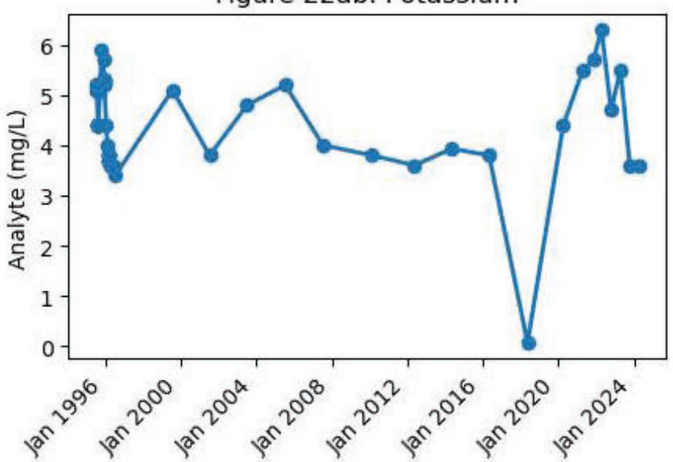


Figure 22ac. Radium-226 & 228

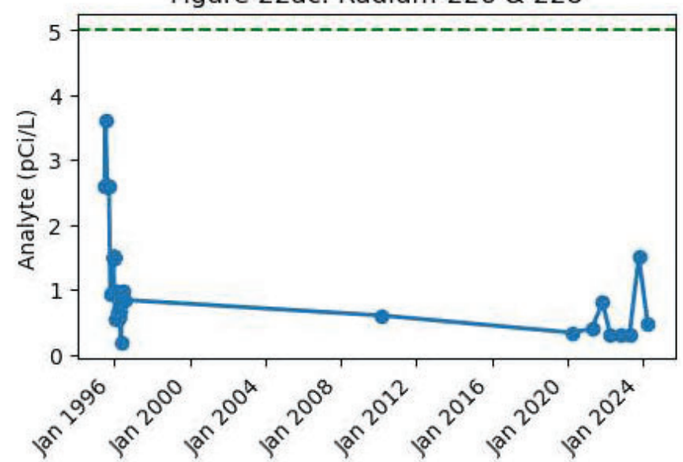


Figure 22ad. Selenium

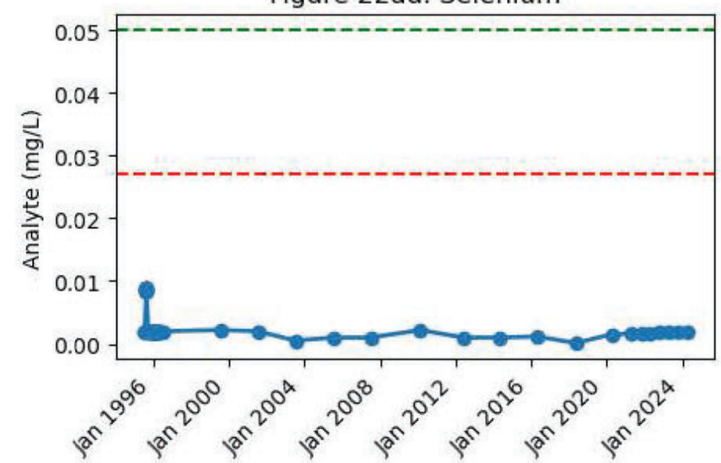


Figure 22ae. Sodium

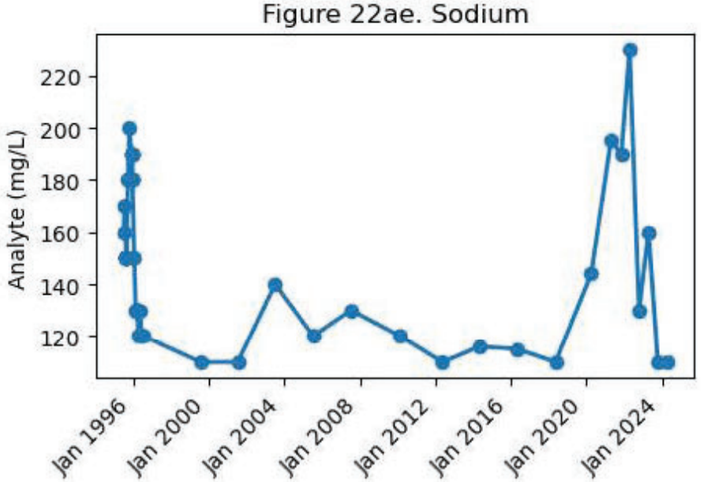
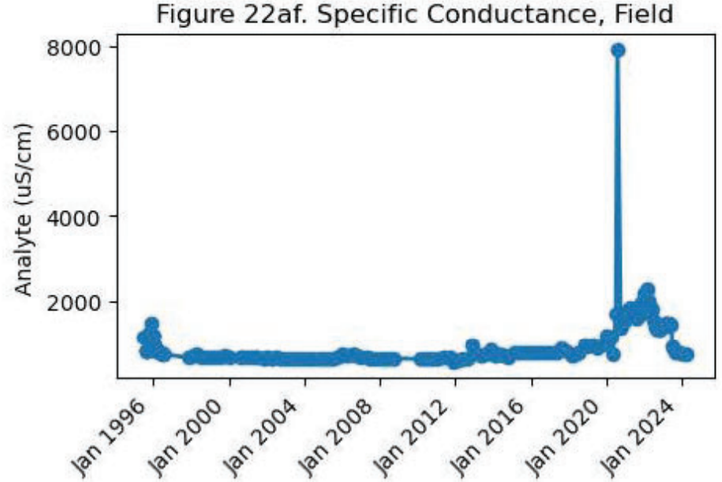


Figure 22af. Specific Conductance, Field



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M4-O Quarterly Analyte Graphs

Figure 22ag. Sulfate

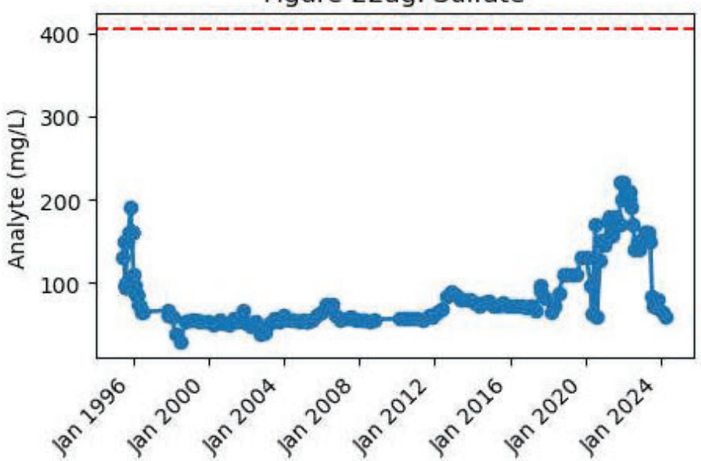


Figure 22ah. Temperature, Field

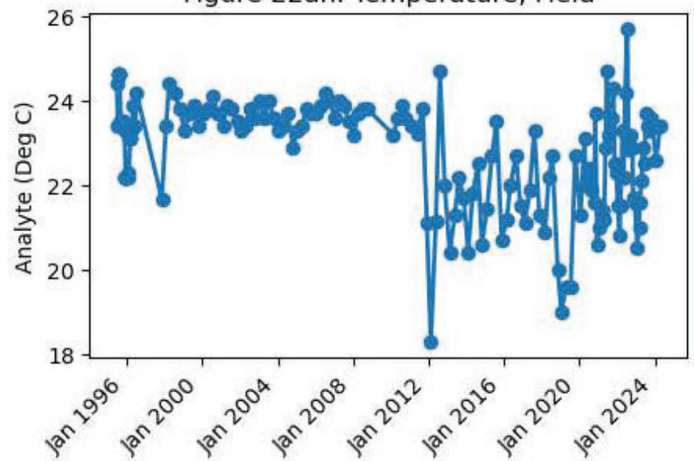


Figure 22ai. Thallium

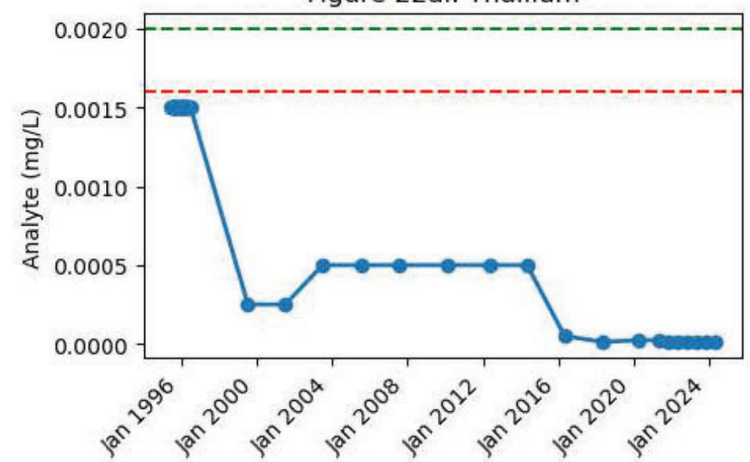


Figure 22aj. Toluene

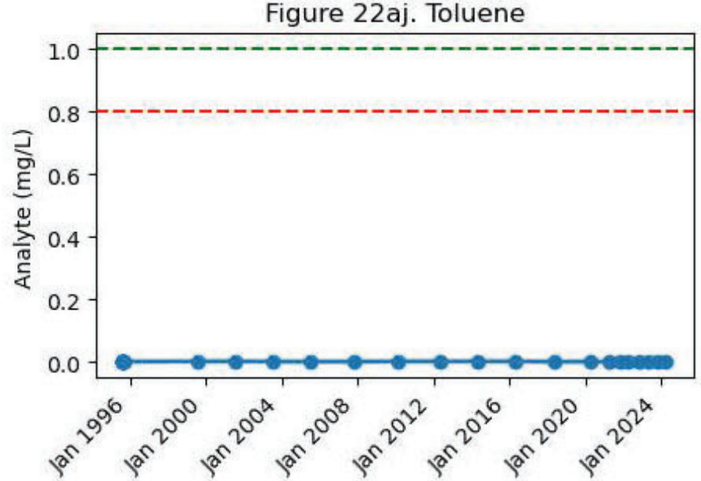


Figure 22ak. Total Dissolved Solids (TDS)

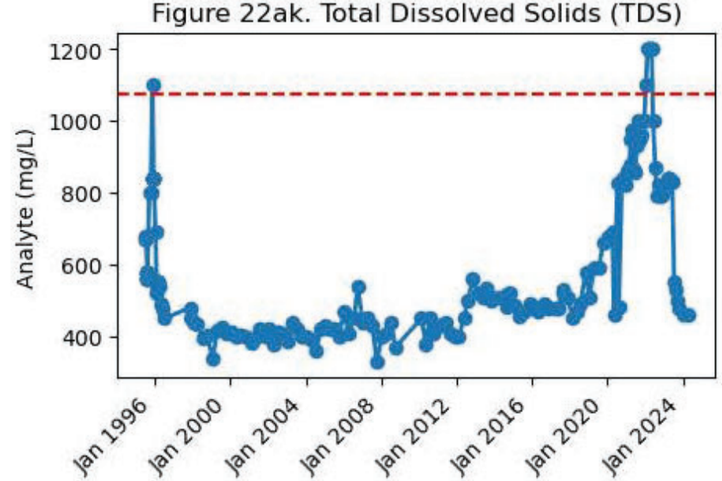


Figure 22al. Total Petroleum Hydrocarbons (C10-C22) Diesel

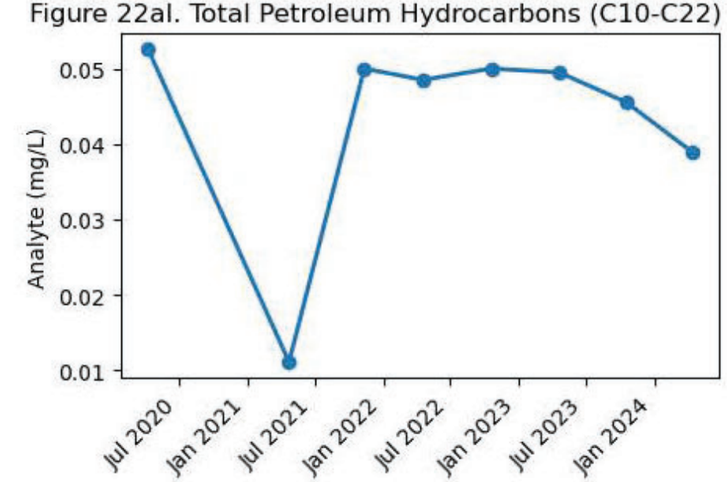


Figure 22am. Turbidity, Field

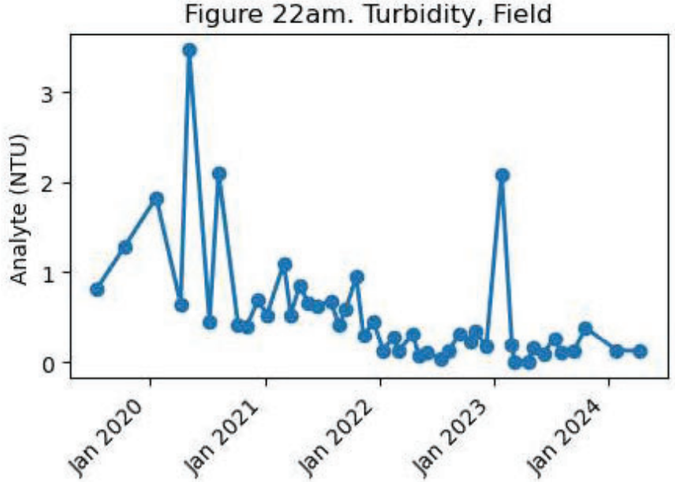
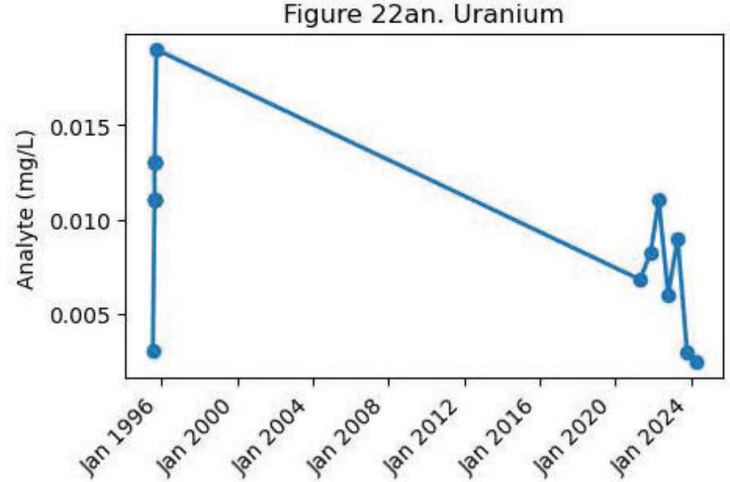


Figure 22an. Uranium



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M4-O Quarterly Analyte Graphs

Figure 22ao. Xylene (Total)

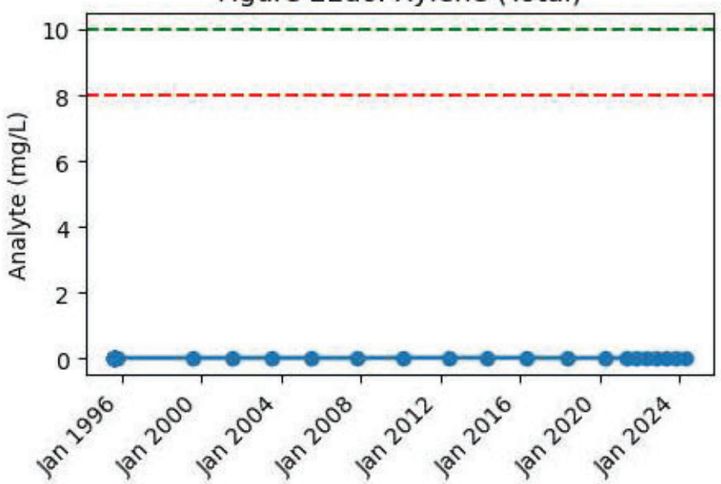


Figure 22ap. Zinc

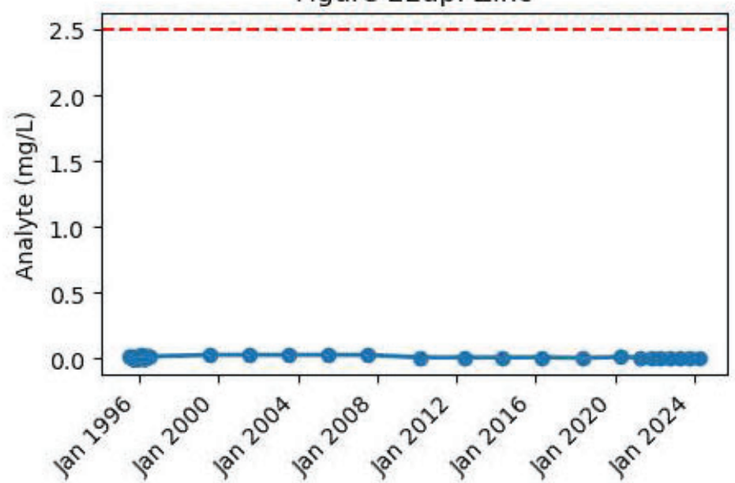


Figure 22aq. Total Uranium Isotopes

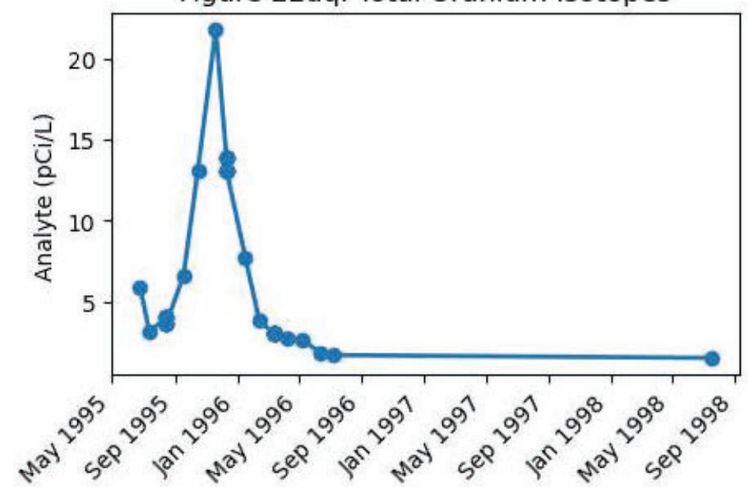
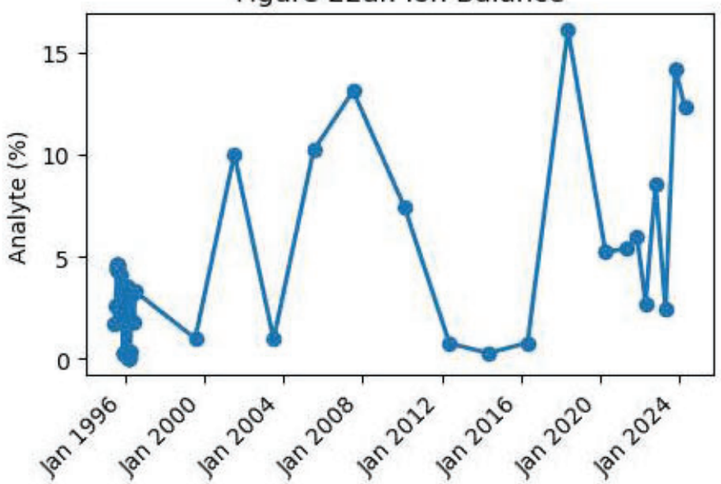


Figure 22ar. Ion Balance



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M52-UBF Quarterly Analyte Graphs

Figure 23a. Alkalinity, Bicarbonate

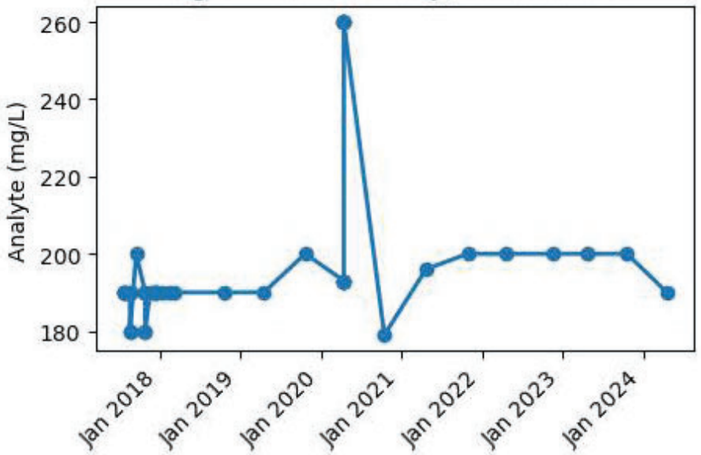


Figure 23b. Alkalinity, Carbonate

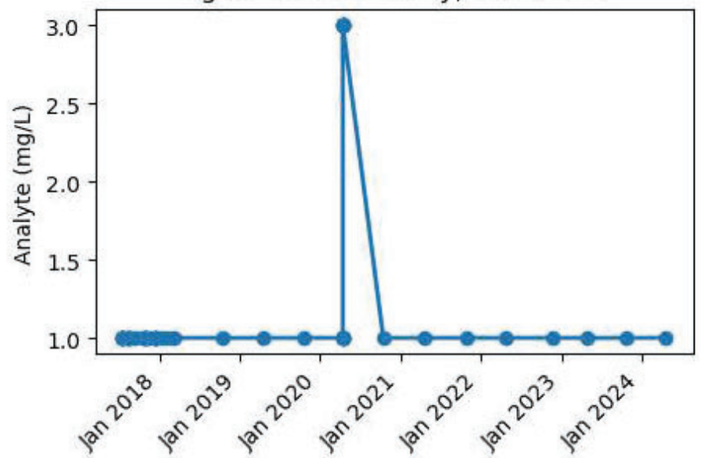


Figure 23c. Alkalinity, Hydroxide

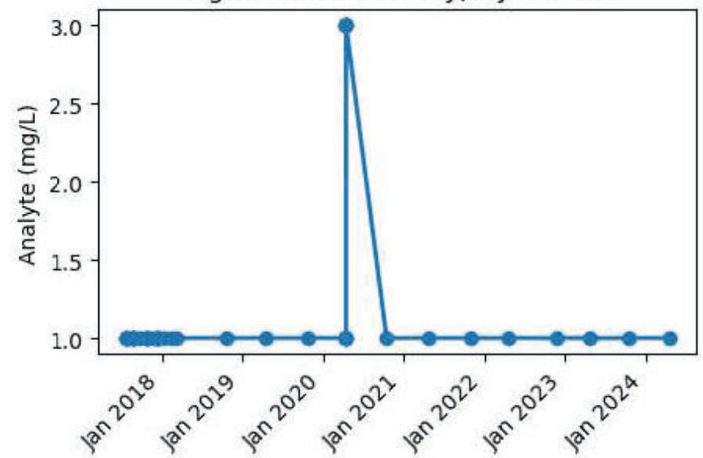


Figure 23d. Alkalinity, Total (as CaCO3)

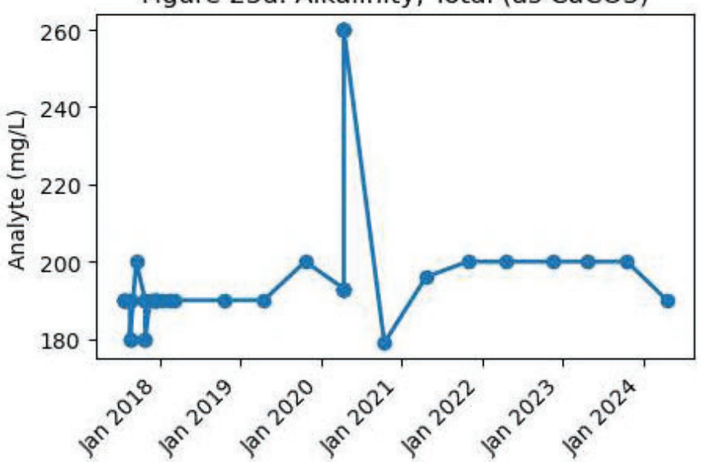


Figure 23e. Aluminum

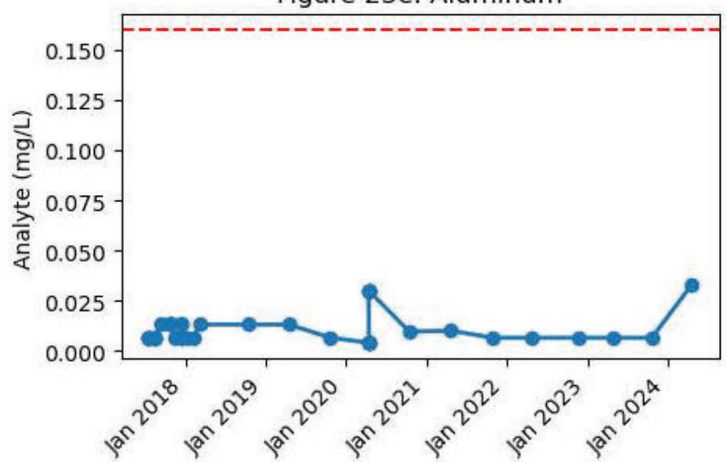


Figure 23f. Antimony

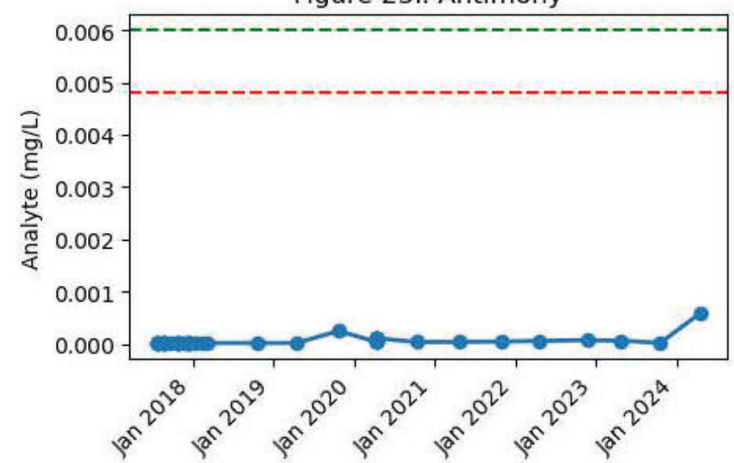


Figure 23g. Arsenic

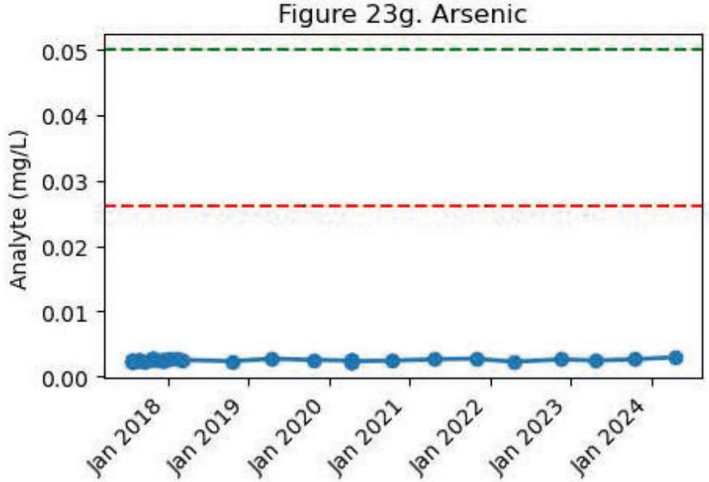
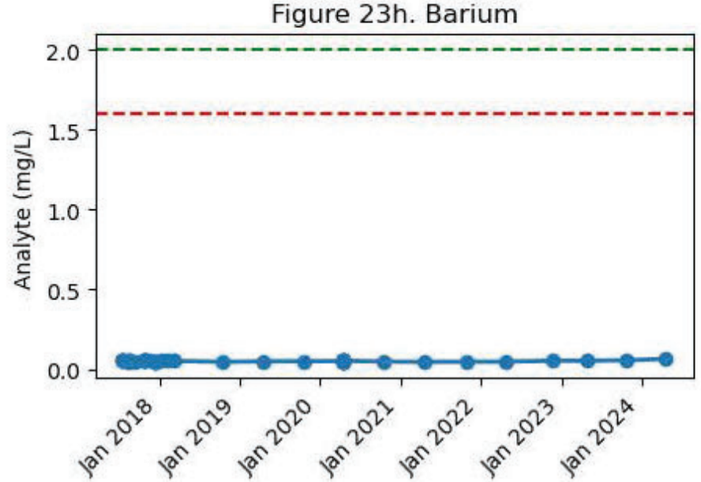


Figure 23h. Barium



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M52-UBF Quarterly Analyte Graphs

Figure 23i. Benzene

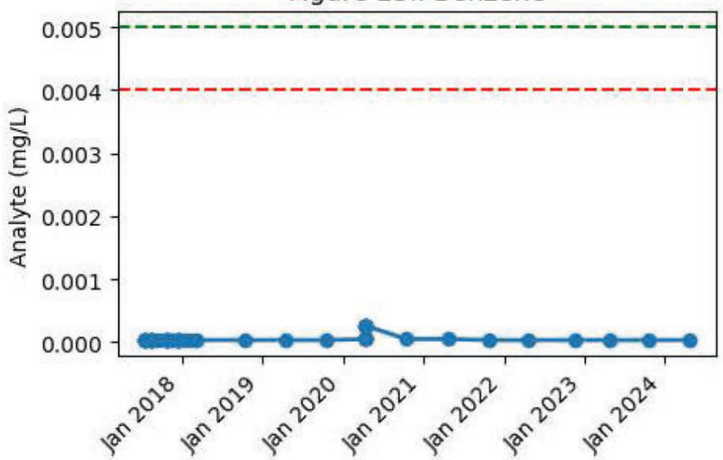


Figure 23j. Beryllium

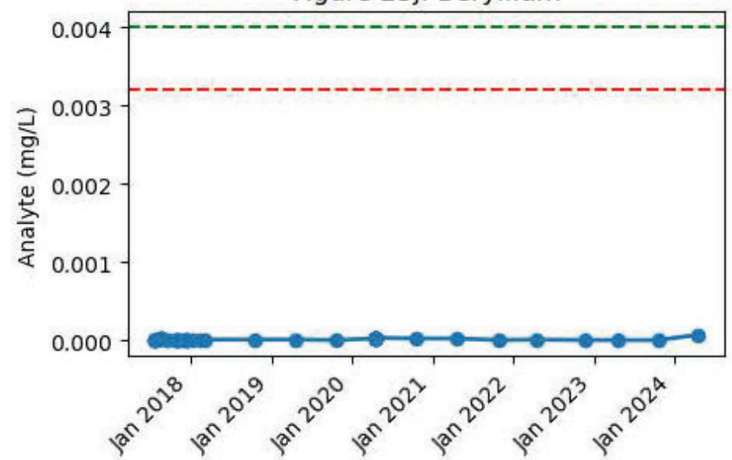


Figure 23k. Cadmium

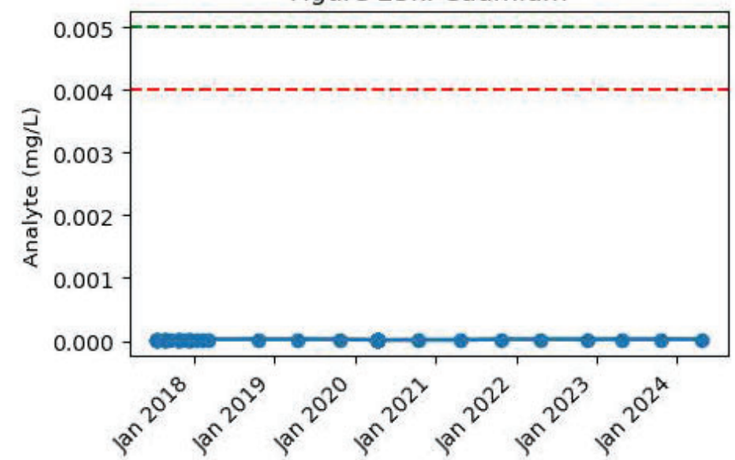


Figure 23l. Calcium

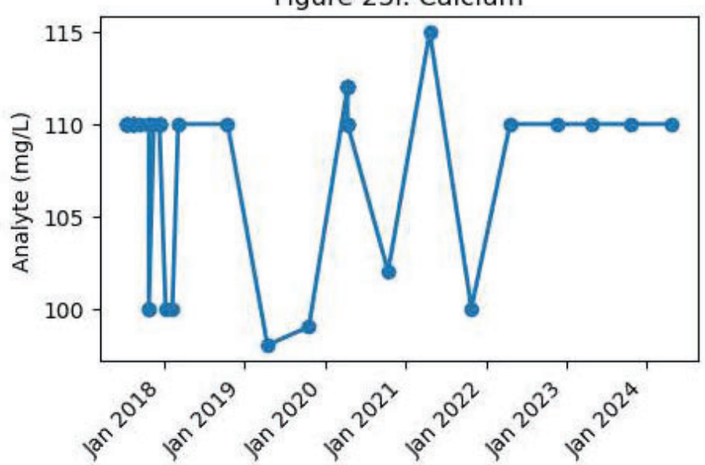


Figure 23m. Chloride

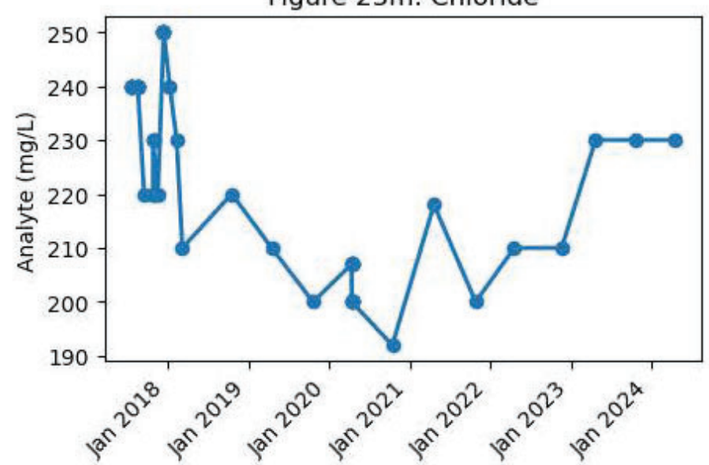


Figure 23n. Chromium

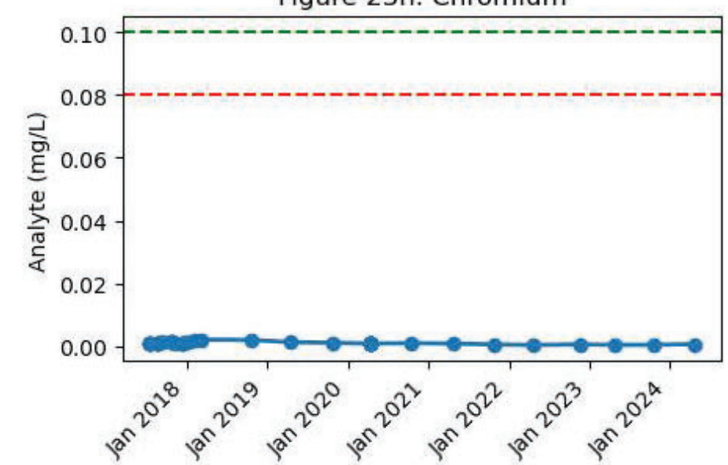


Figure 23o. Cobalt

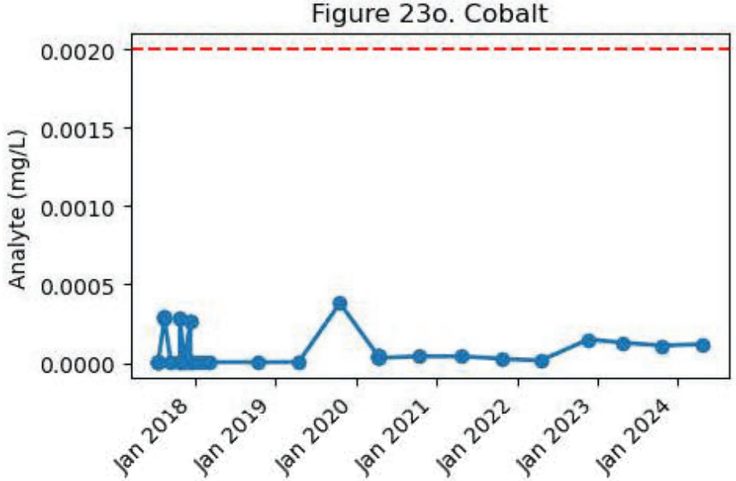
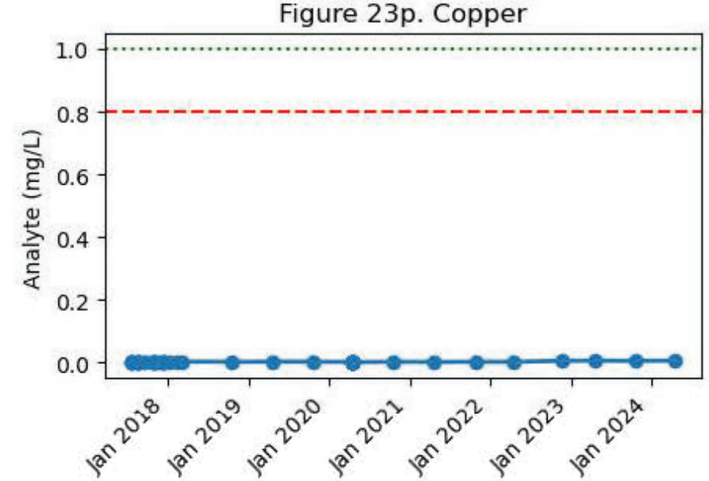


Figure 23p. Copper



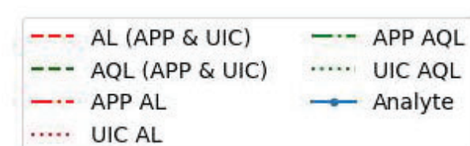


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Figure 23q. Ethylbenzene

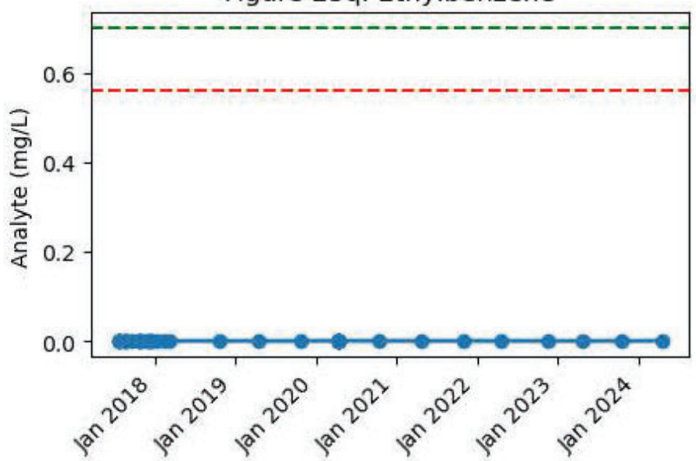

Figure 23r. Fluoride

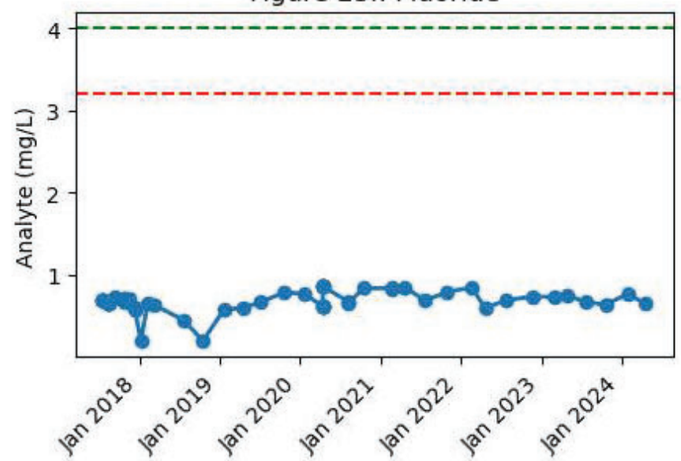

Figure 23s. Gross Alpha Analytes

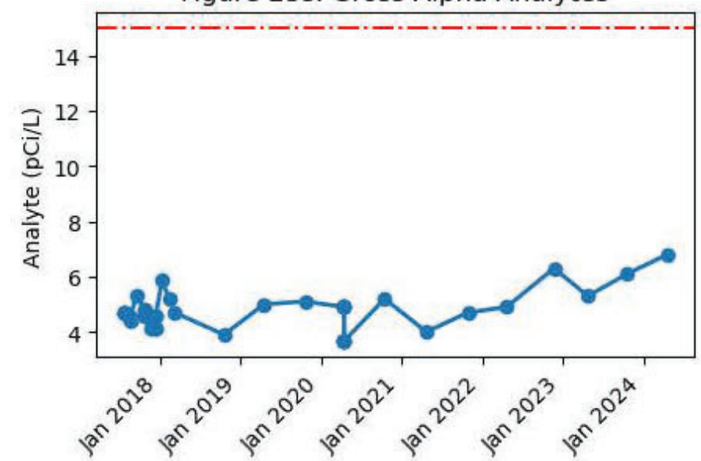

Figure 23t. Iron

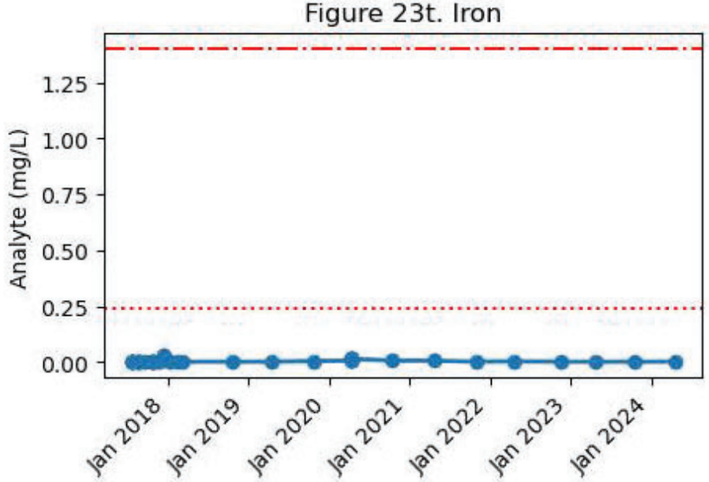

Figure 23u. Lead

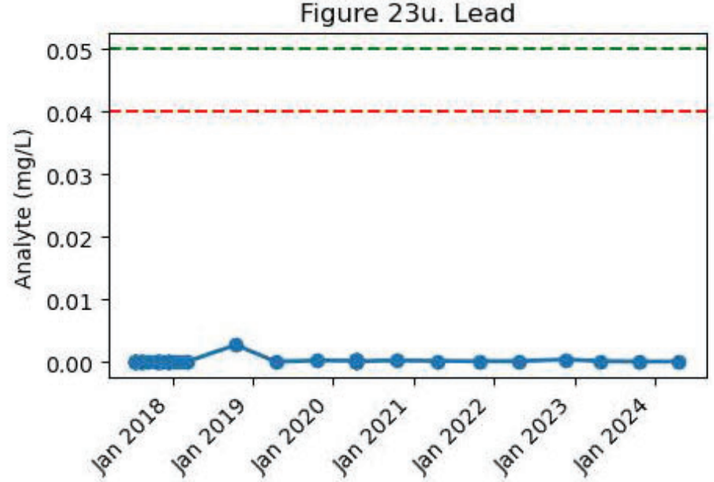

Figure 23v. Magnesium

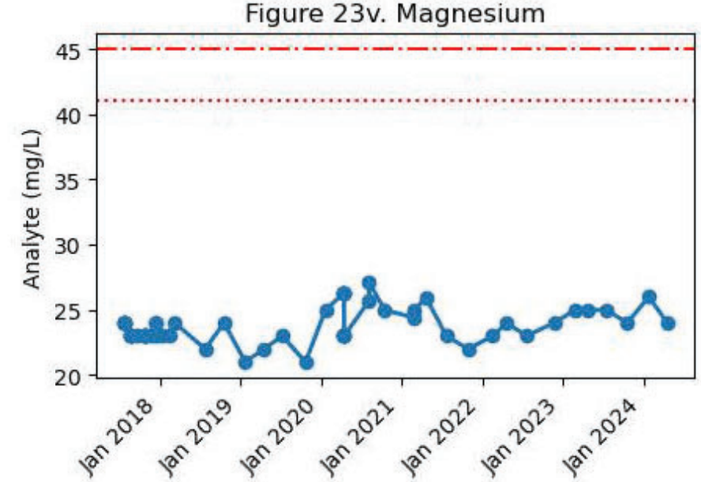

Figure 23w. Manganese

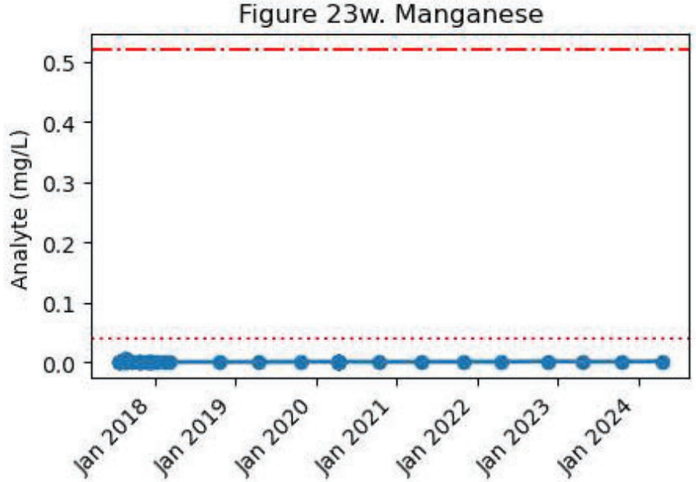

Figure 23x. Mercury

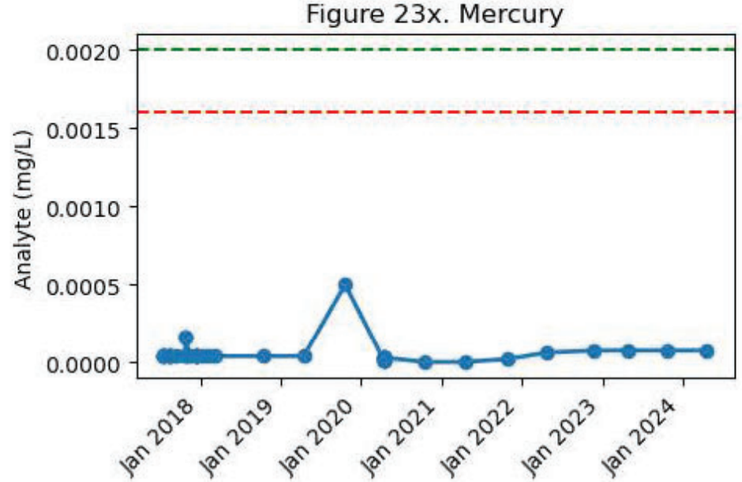

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Figure 23y. Nickel

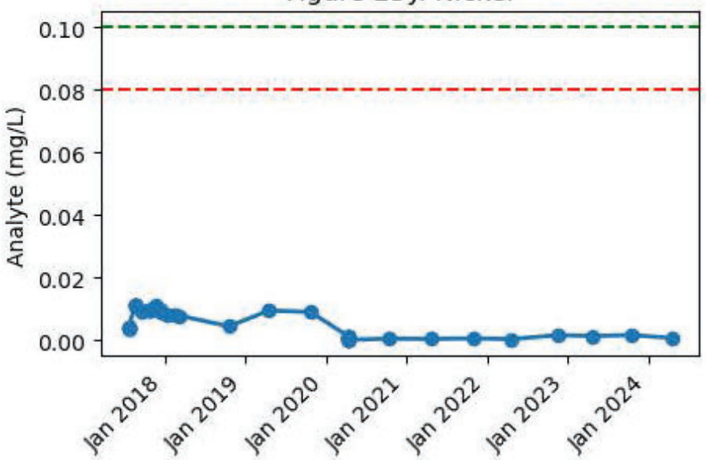

Figure 23z. Nitrate (as N)

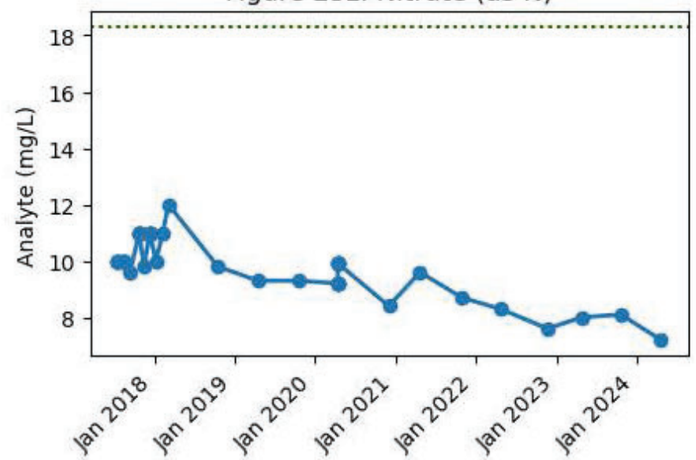

Figure 23aa. pH, Field

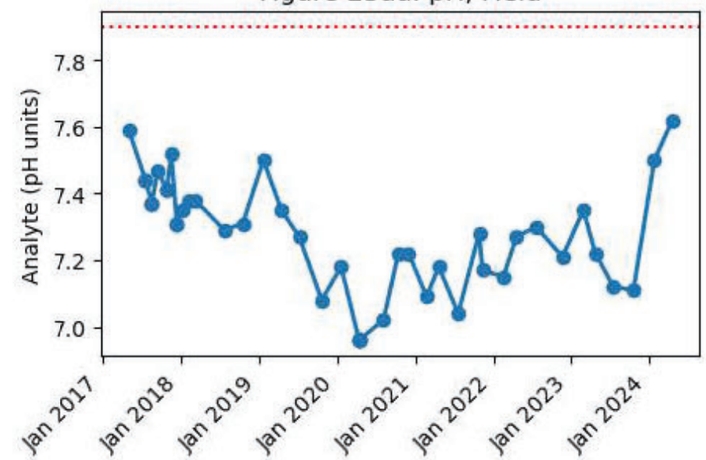

Figure 23ab. Potassium

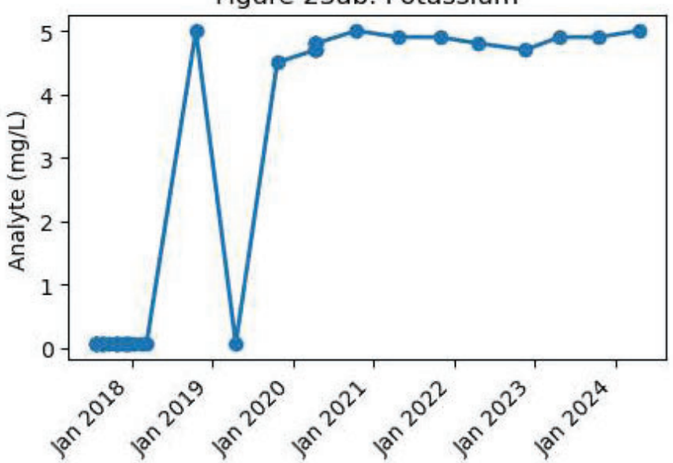

Figure 23ac. Radium-226 & 228

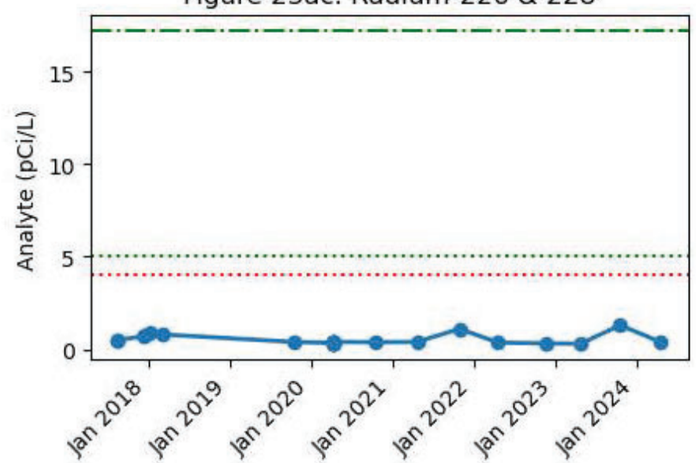

Figure 23ad. Selenium

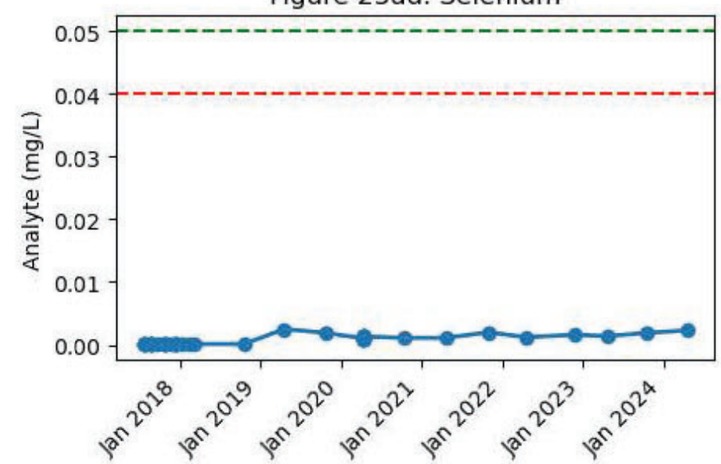

Figure 23ae. Sodium

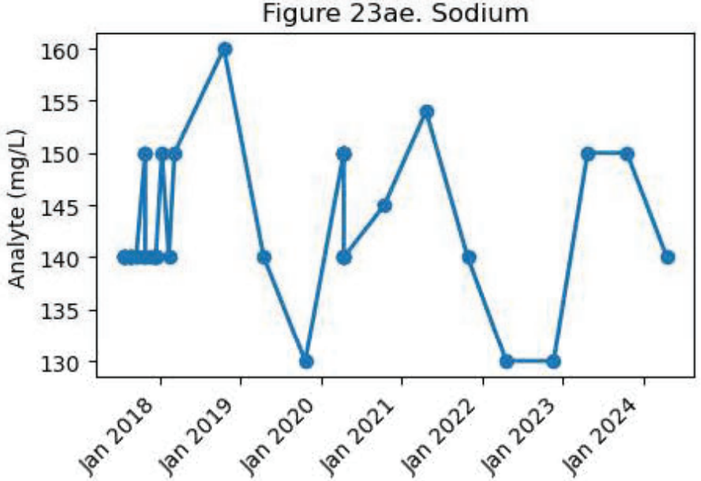

Figure 23af. Specific Conductance, Field

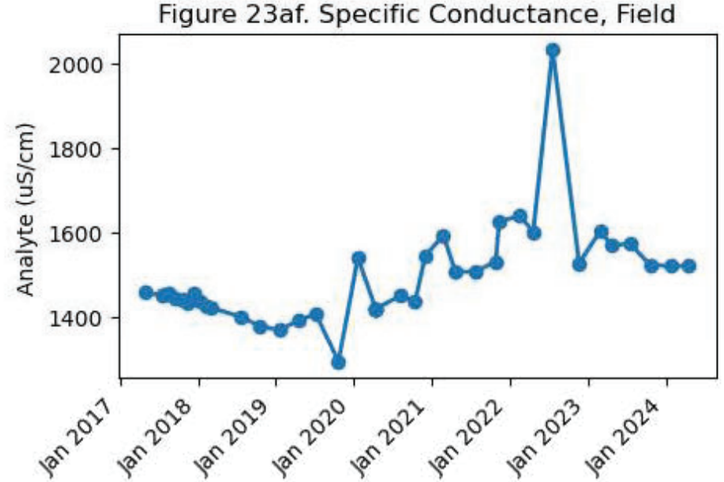

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Figure 23ag. Sulfate

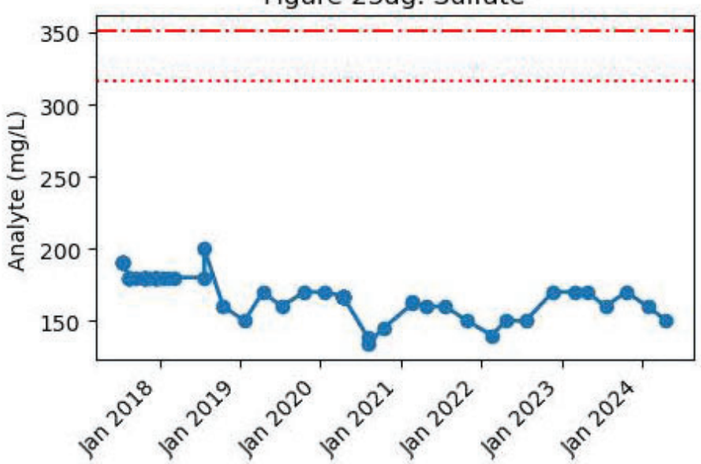


Figure 23ah. Temperature, Field

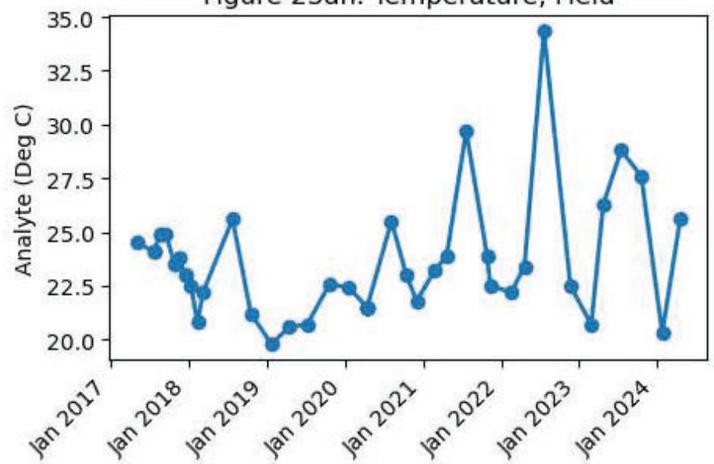


Figure 23ai. Thallium

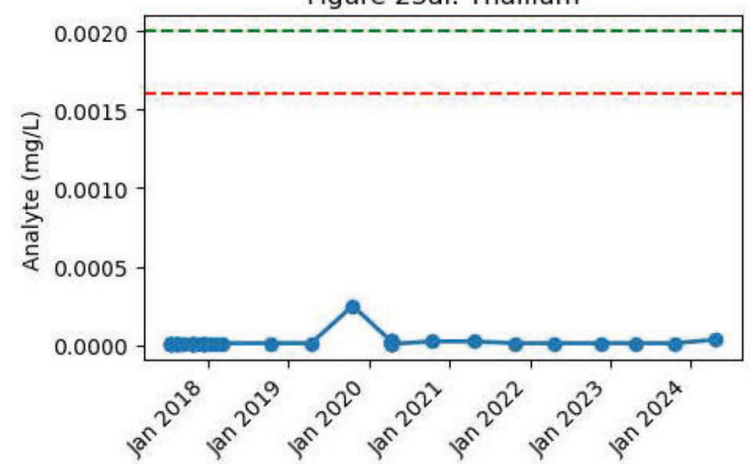


Figure 23aj. Toluene

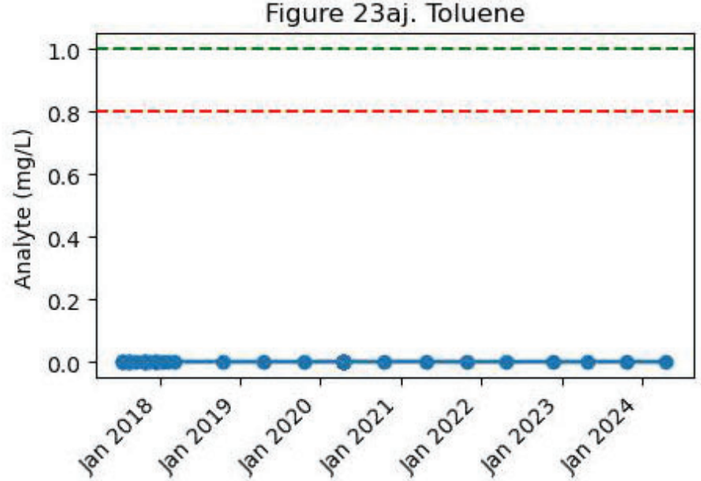


Figure 23ak. Total Dissolved Solids (TDS)

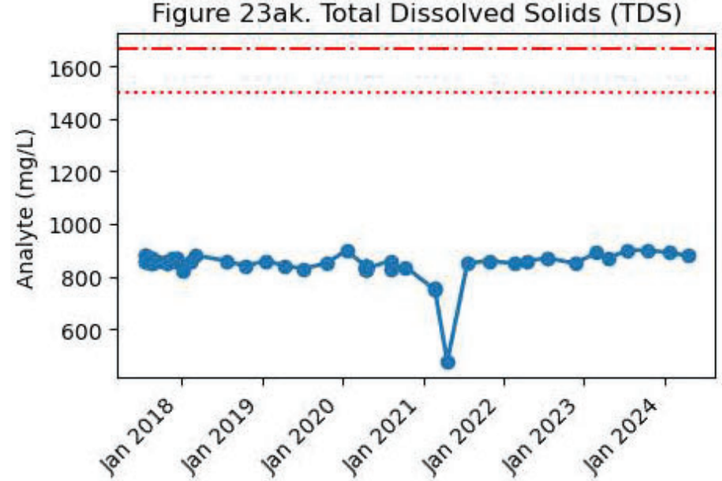


Figure 23al. Total Petroleum Hydrocarbons (C10-C22) Diesel

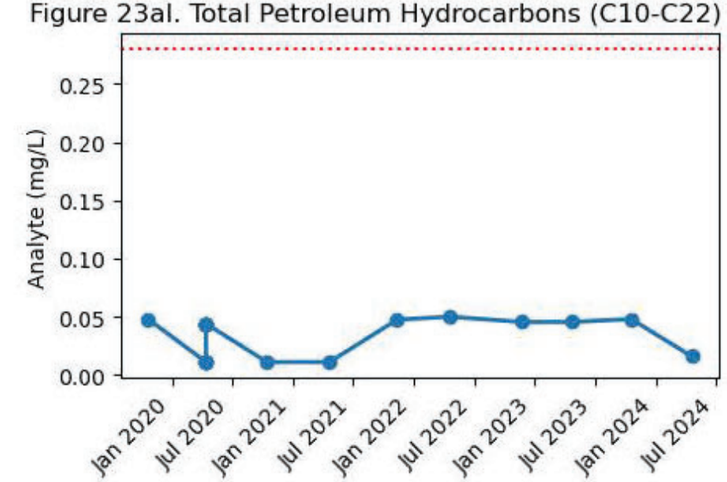


Figure 23am. Turbidity, Field

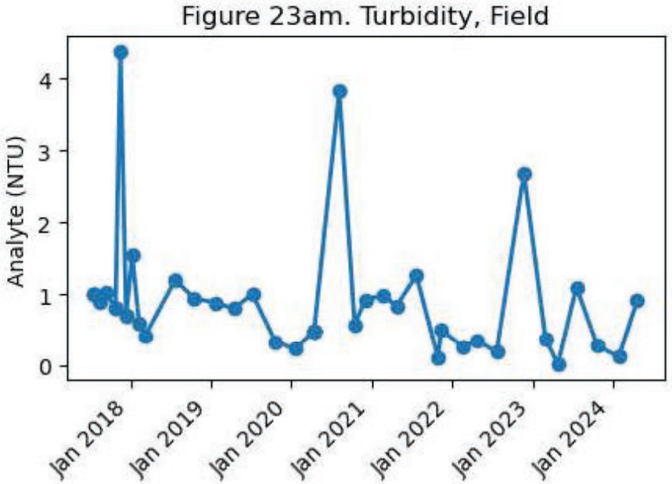
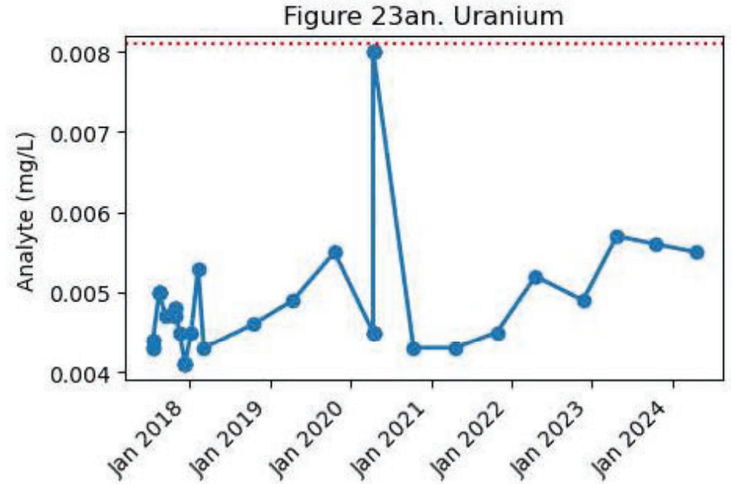


Figure 23an. Uranium



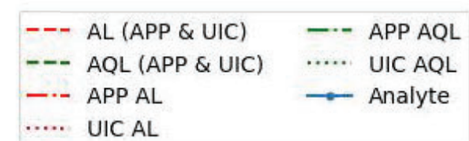


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Figure 23ao. Xylene (Total)

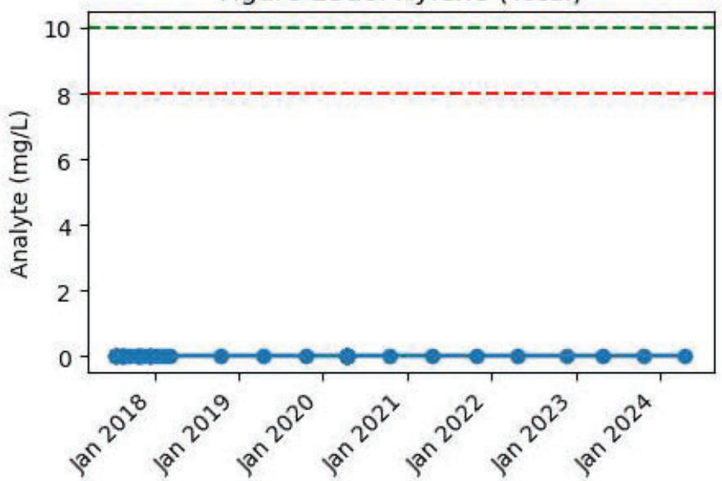


Figure 23ap. Zinc

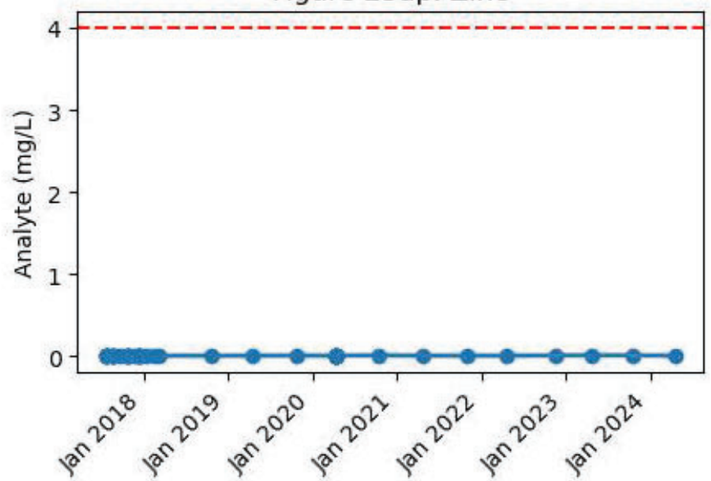


Figure 23aq. Total Uranium Isotopes

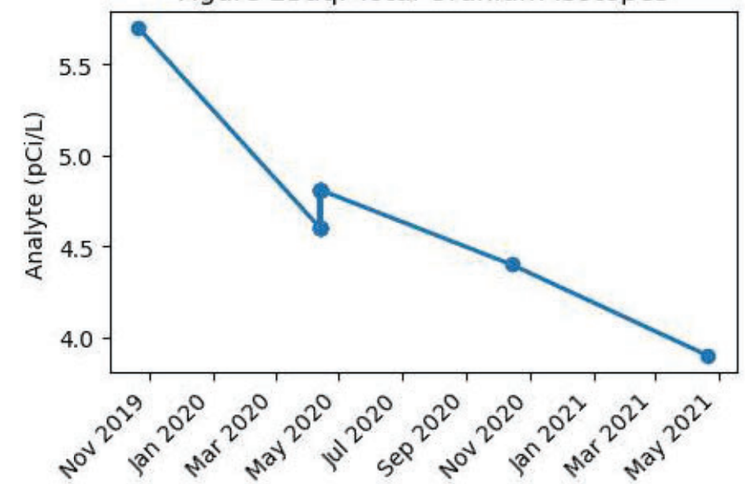
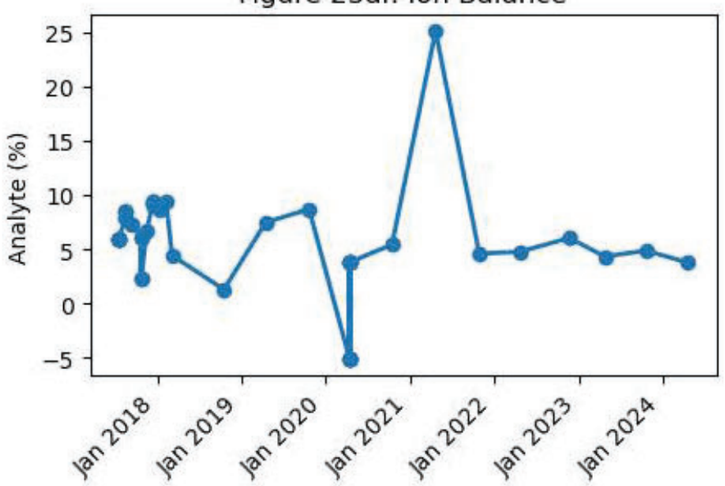


Figure 23ar. Ion Balance



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M54-LBF Quarterly Analyte Graphs

Figure 24a. Alkalinity, Bicarbonate

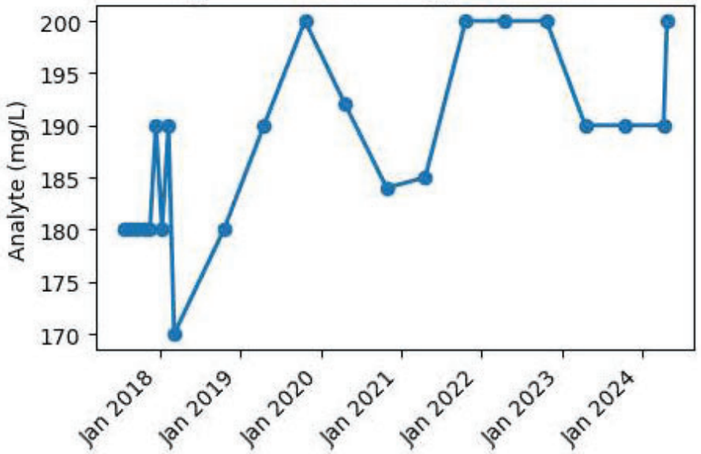


Figure 24b. Alkalinity, Carbonate

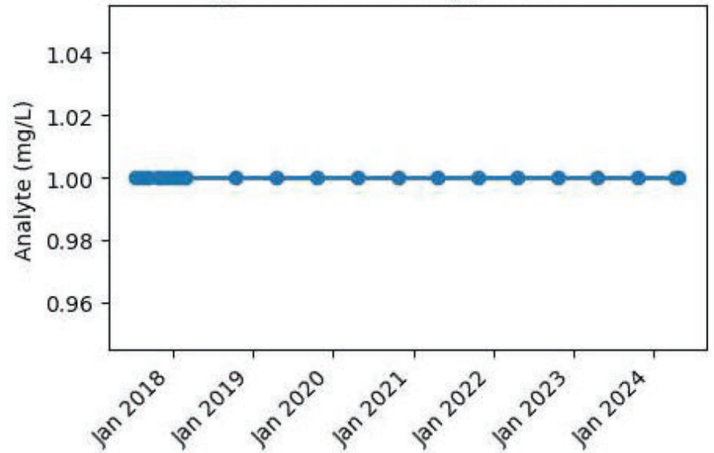


Figure 24c. Alkalinity, Hydroxide

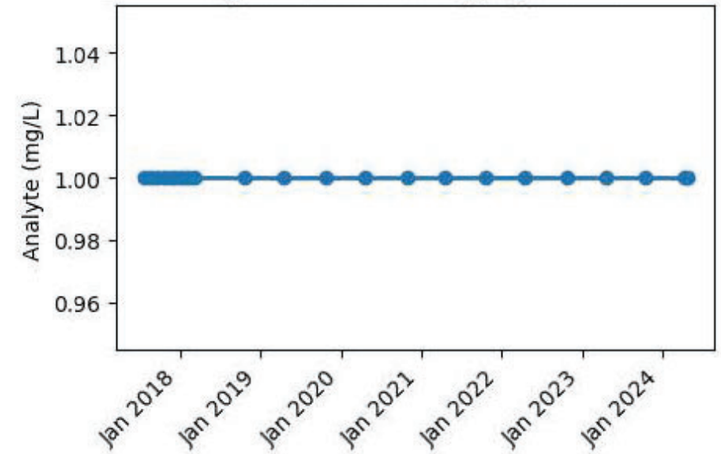


Figure 24d. Alkalinity, Total (as CaCO3)

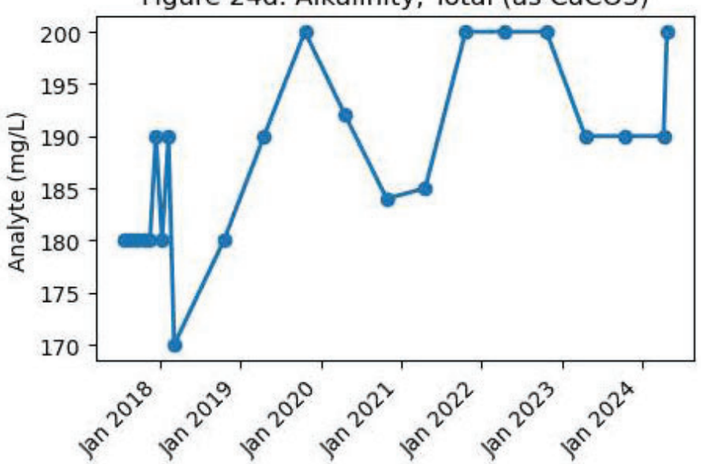


Figure 24e. Aluminum

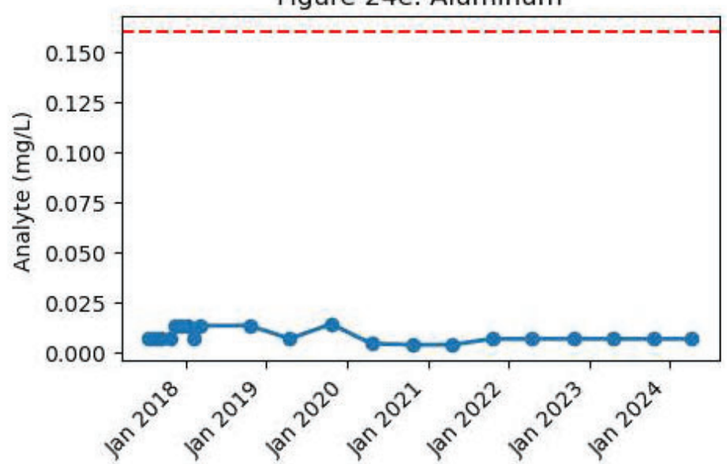


Figure 24f. Antimony

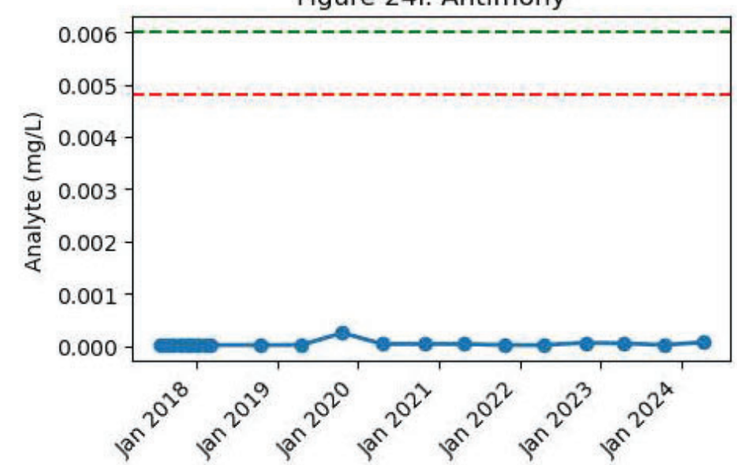


Figure 24g. Arsenic

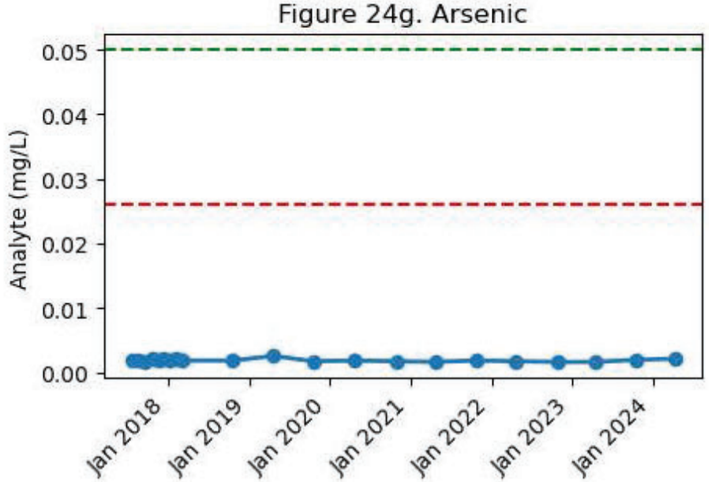
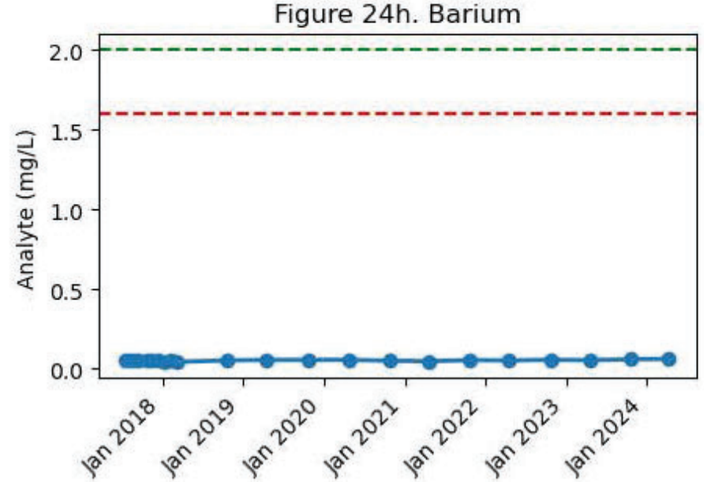


Figure 24h. Barium



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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Figure 24i. Benzene

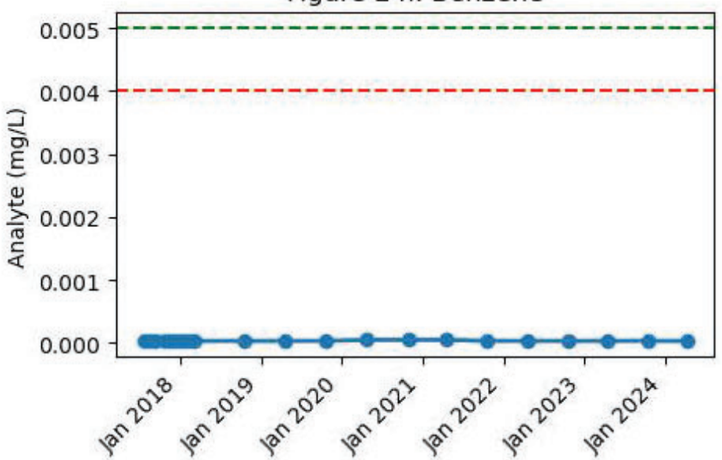

Figure 24j. Beryllium

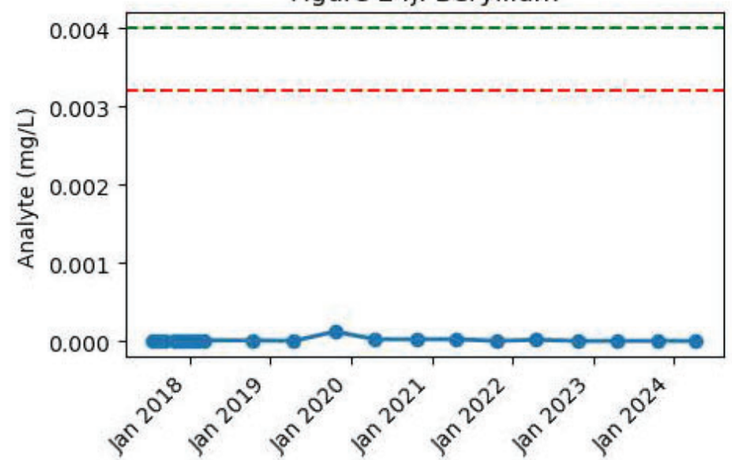

Figure 24k. Cadmium

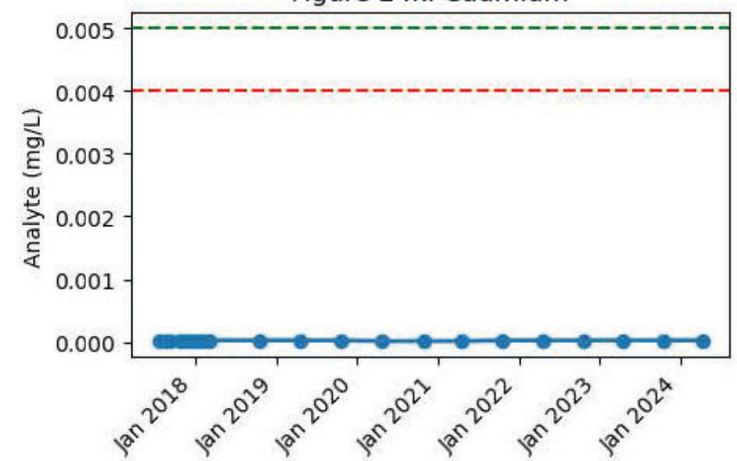

Figure 24l. Calcium

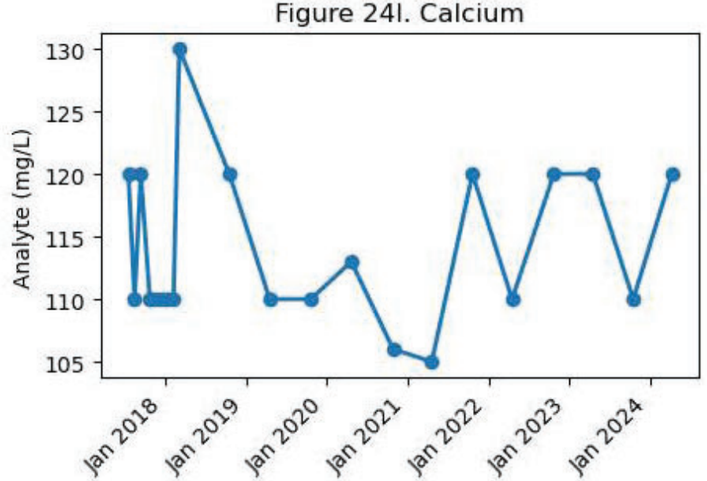

Figure 24m. Chloride

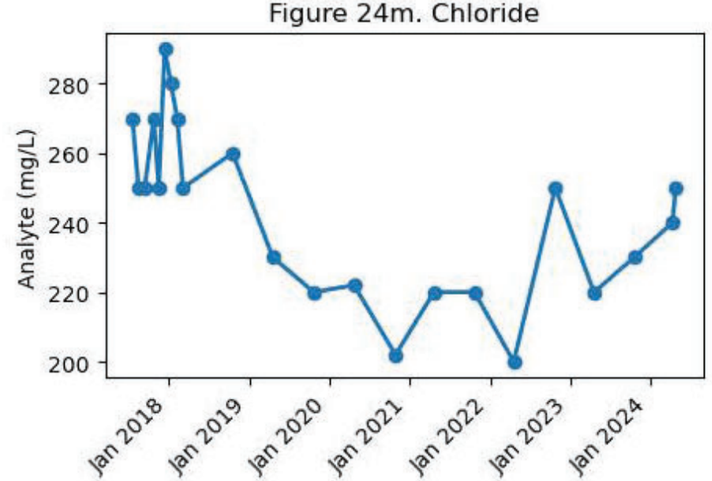

Figure 24n. Chromium

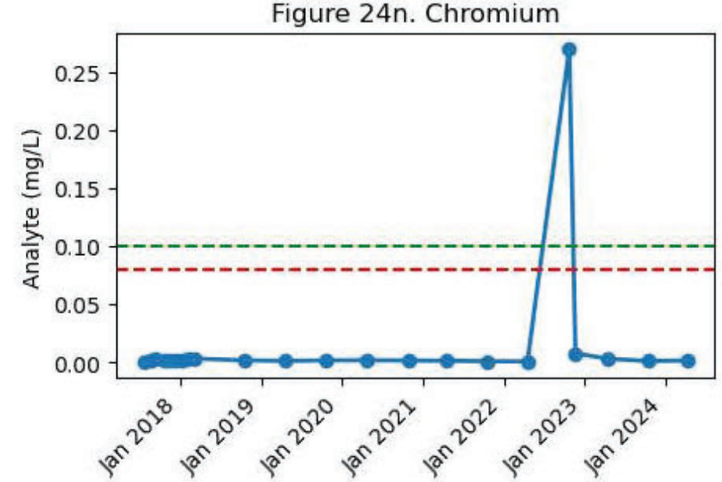

Figure 24o. Cobalt

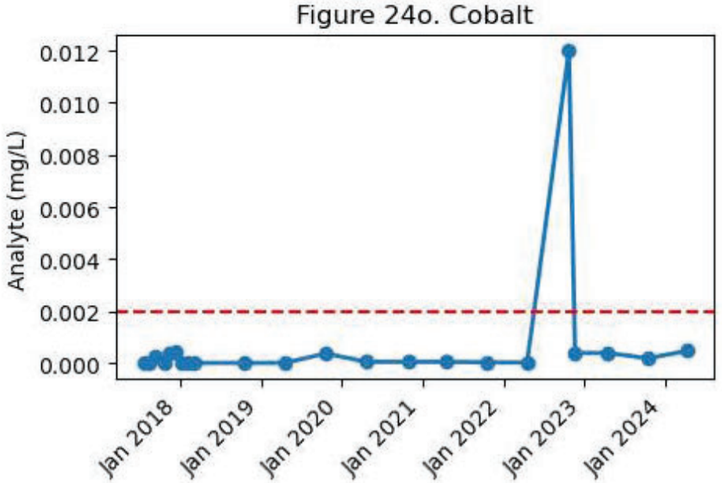

Figure 24p. Copper

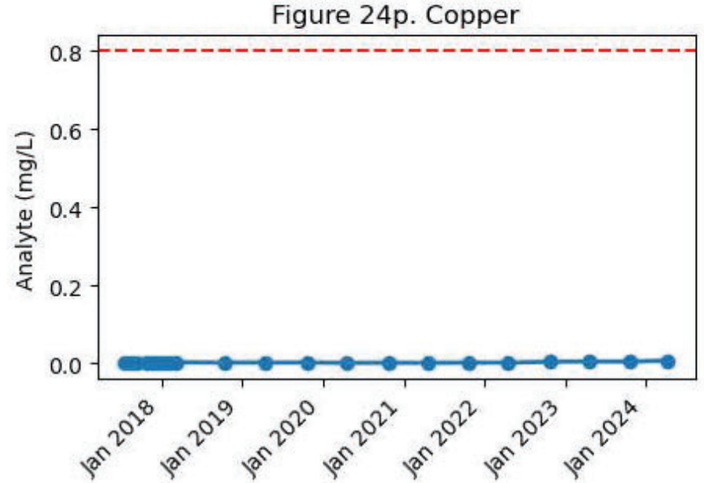

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Figure 24q. Ethylbenzene

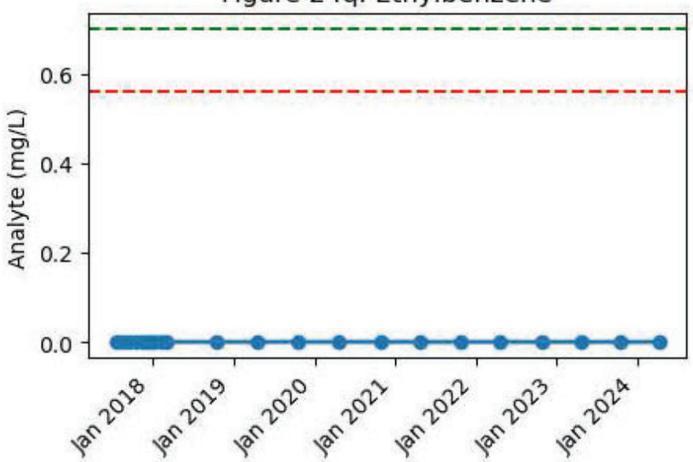

Figure 24r. Fluoride

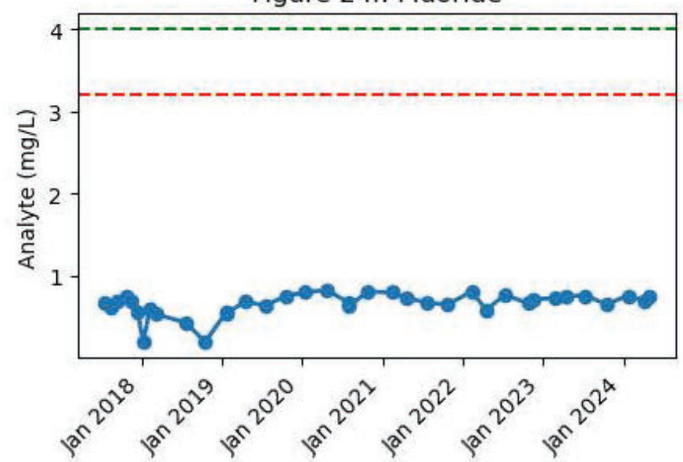

Figure 24s. Gross Alpha Analytes

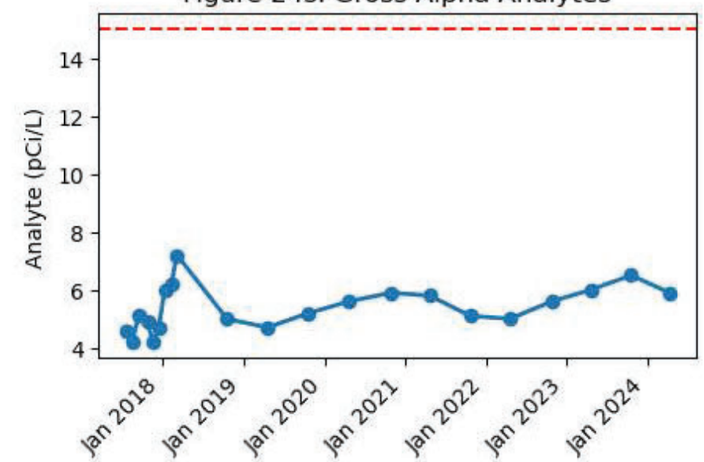

Figure 24t. Iron

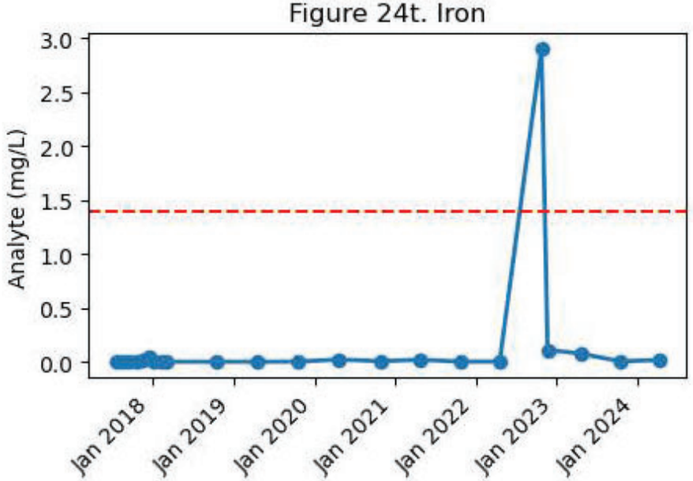

Figure 24u. Lead

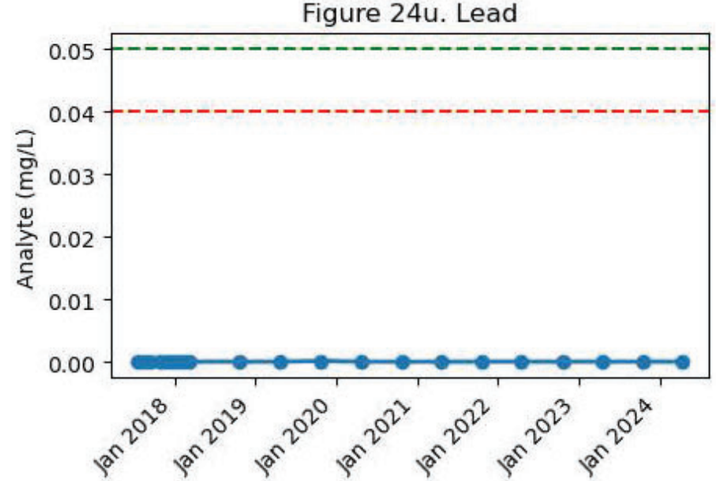

Figure 24v. Magnesium

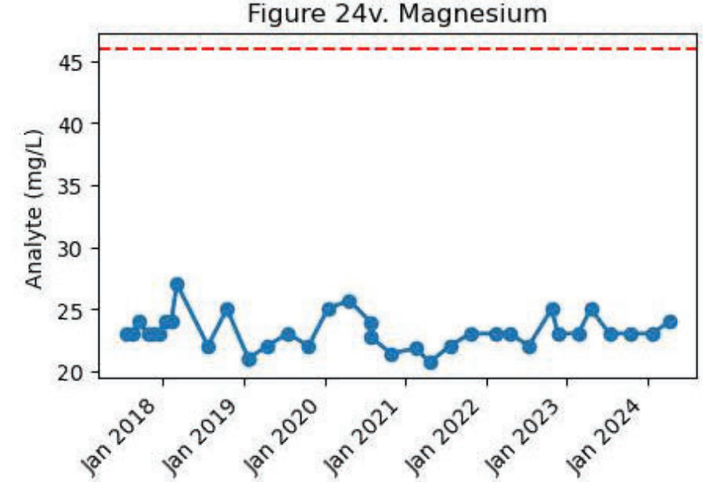

Figure 24w. Manganese

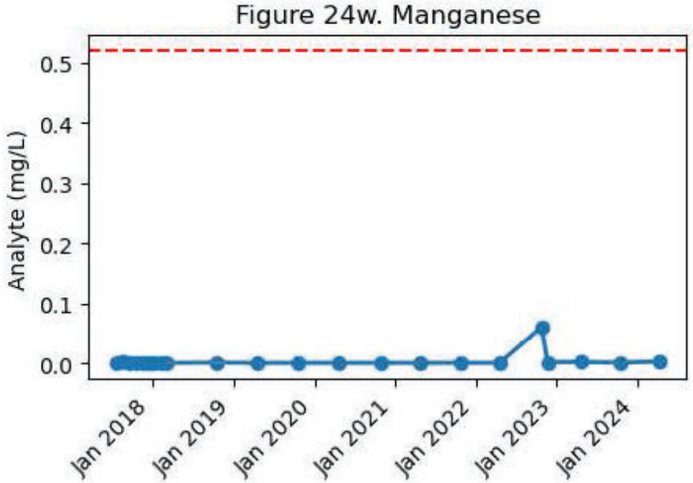

Figure 24x. Mercury

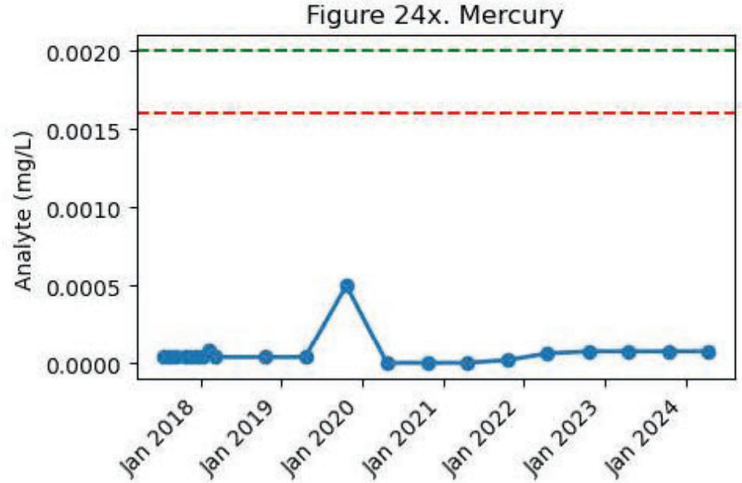

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Figure 24y. Nickel

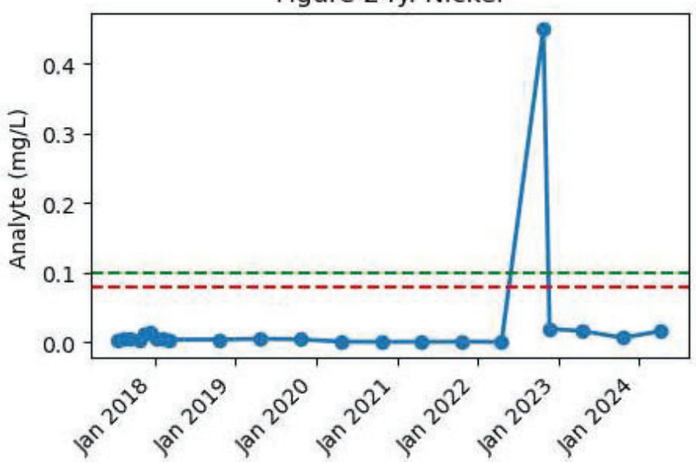

Figure 24z. Nitrate (as N)

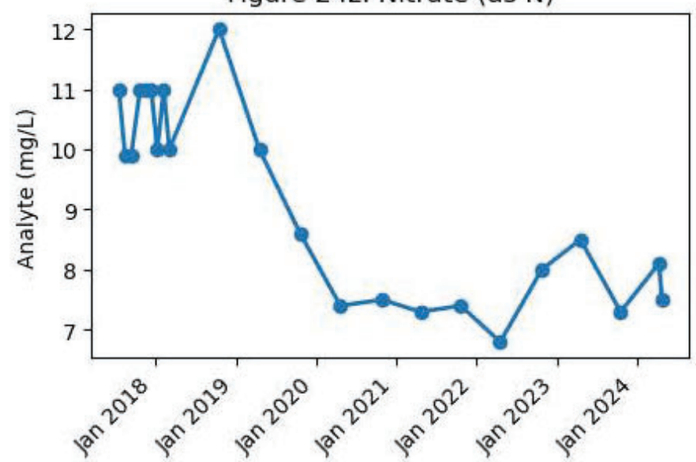

Figure 24aa. pH, Field

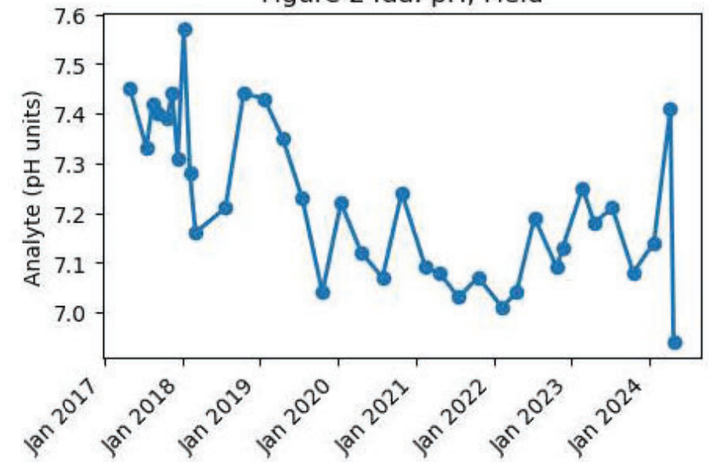

Figure 24ab. Potassium

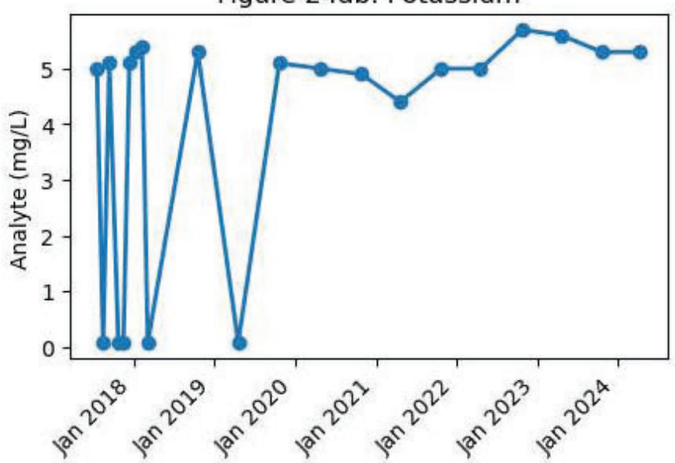

Figure 24ac. Radium-226 & 228

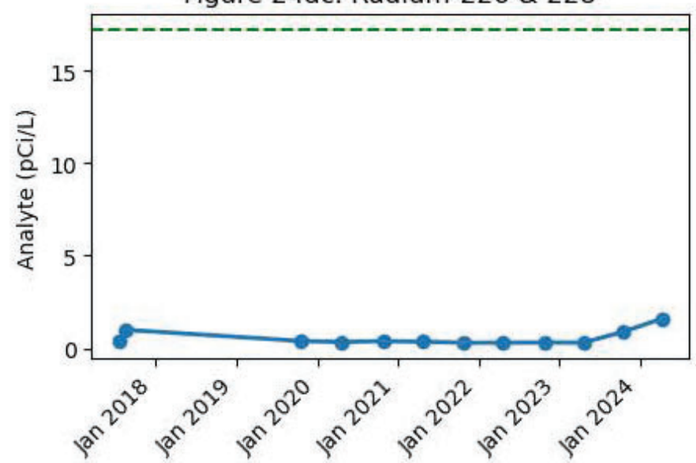

Figure 24ad. Selenium

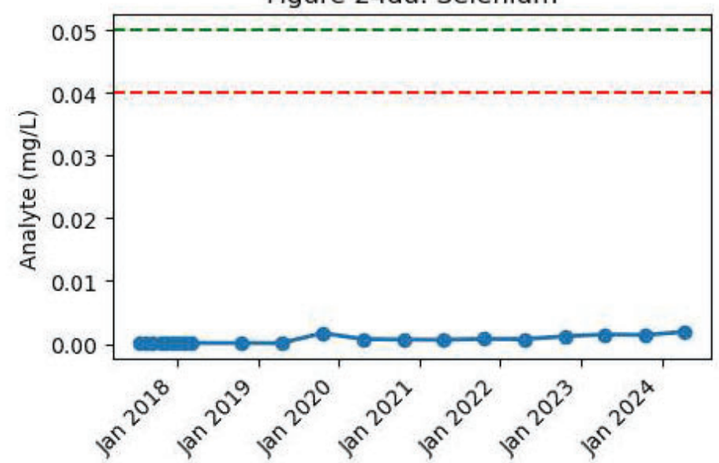

Figure 24ae. Sodium

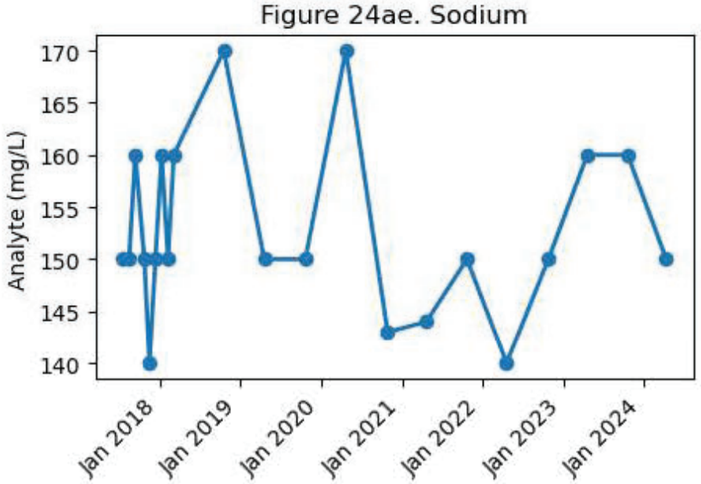

Figure 24af. Specific Conductance, Field

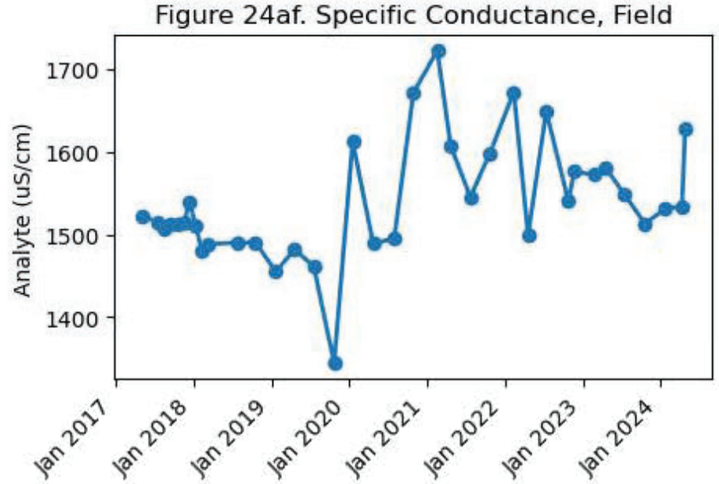

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Figure 24ag. Sulfate

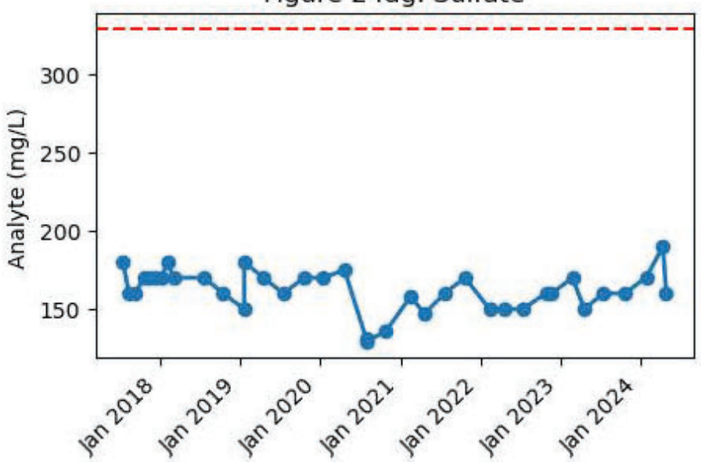

Figure 24ah. Temperature, Field

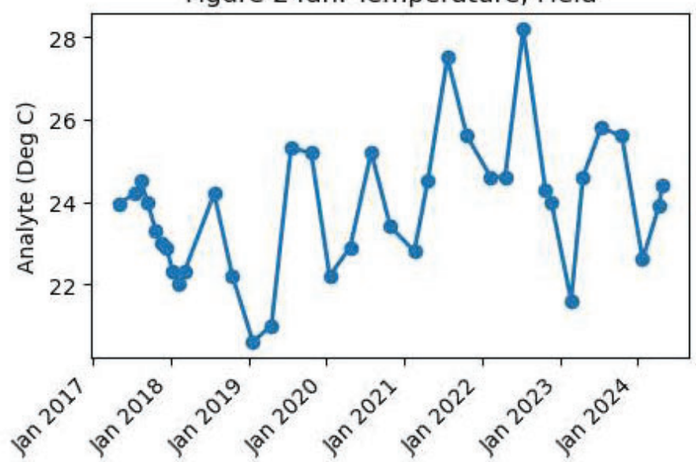

Figure 24ai. Thallium

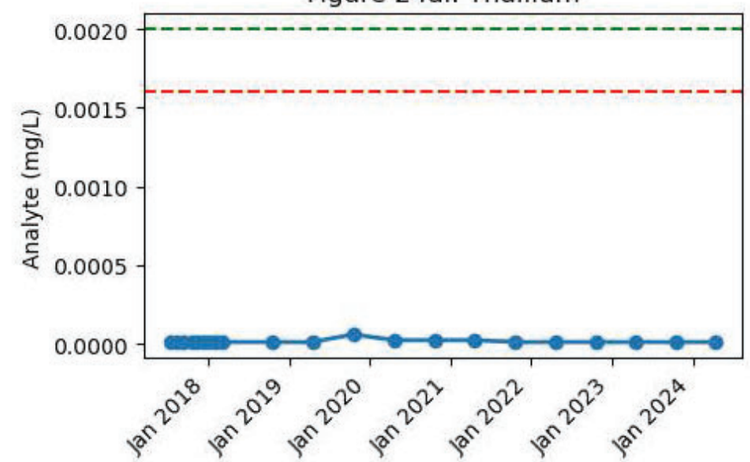

Figure 24aj. Toluene

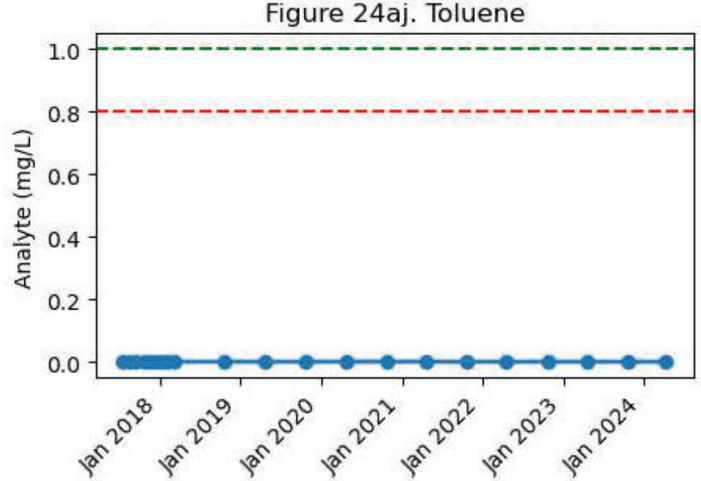

Figure 24ak. Total Dissolved Solids (TDS)

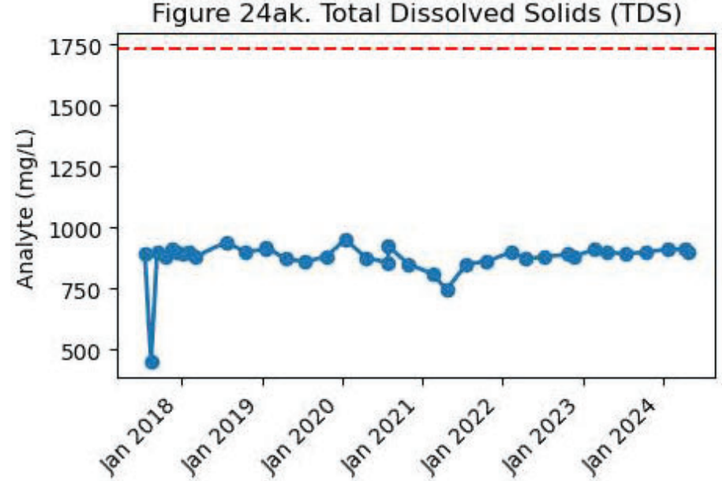

Figure 24al. Total Petroleum Hydrocarbons (C10-C22) Diesel

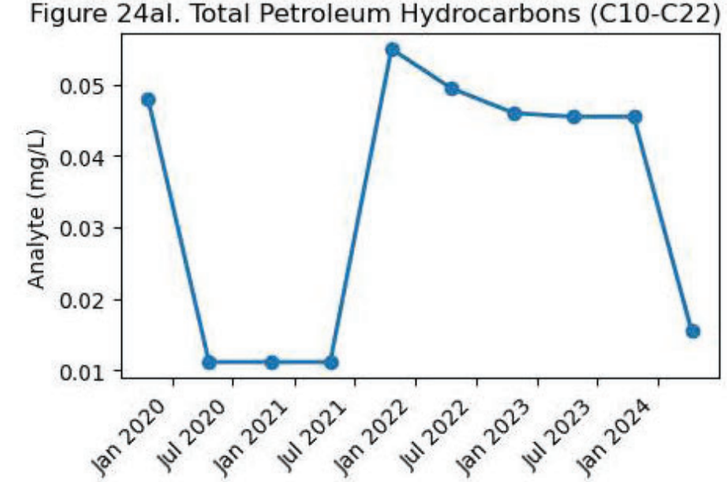

Figure 24am. Turbidity, Field

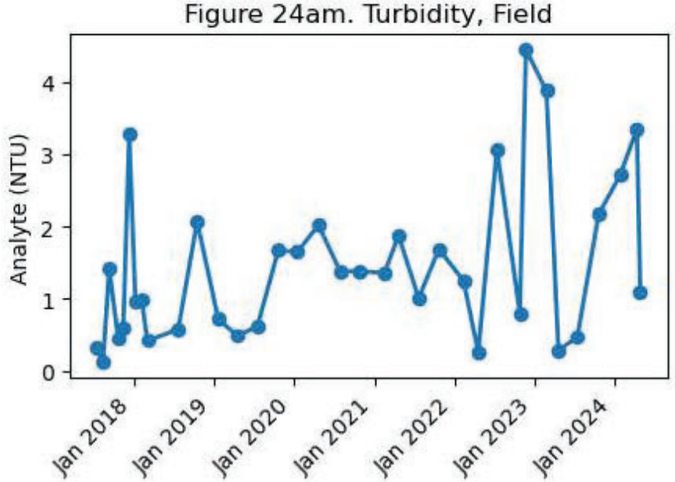

Figure 24an. Uranium

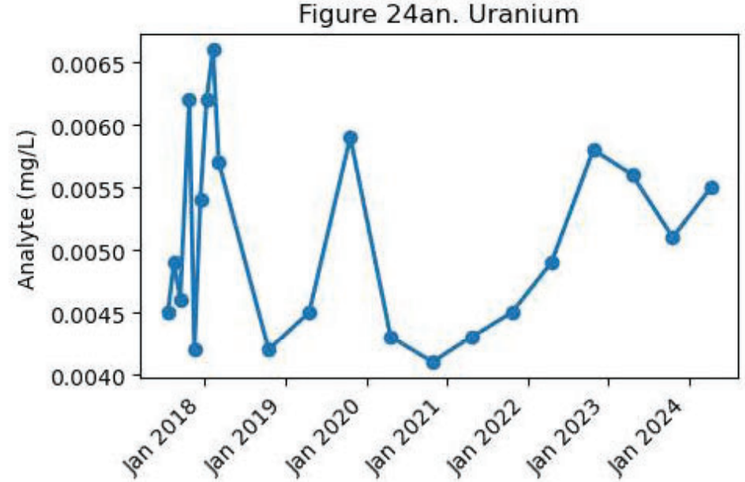

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Figure 24ao. Xylene (Total)

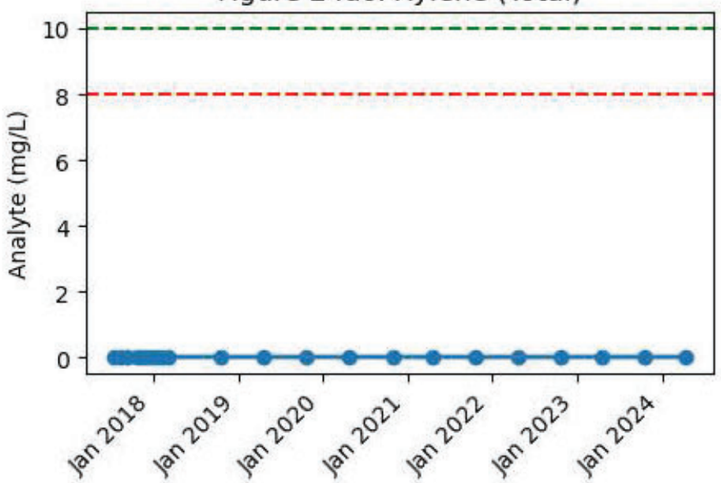


Figure 24ap. Zinc

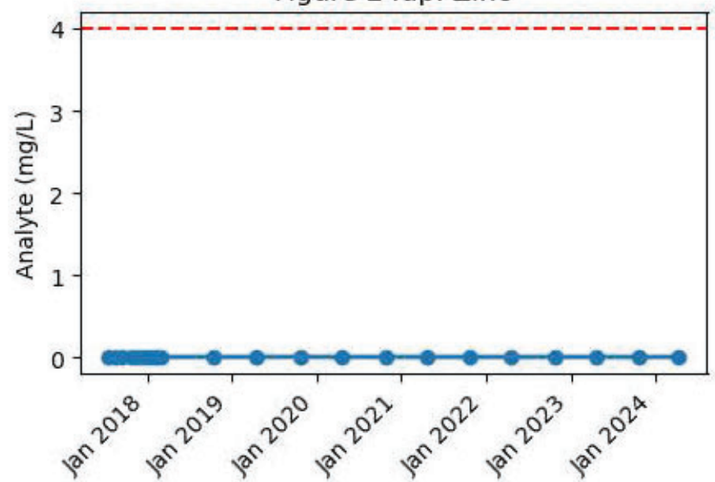


Figure 24aq. Total Uranium Isotopes

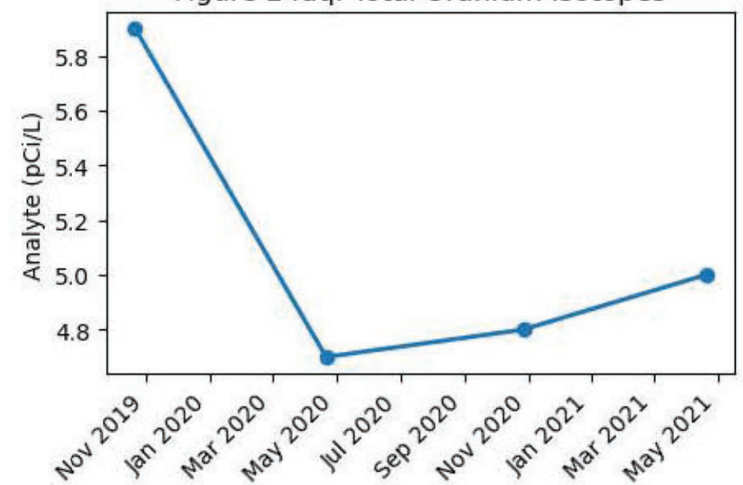
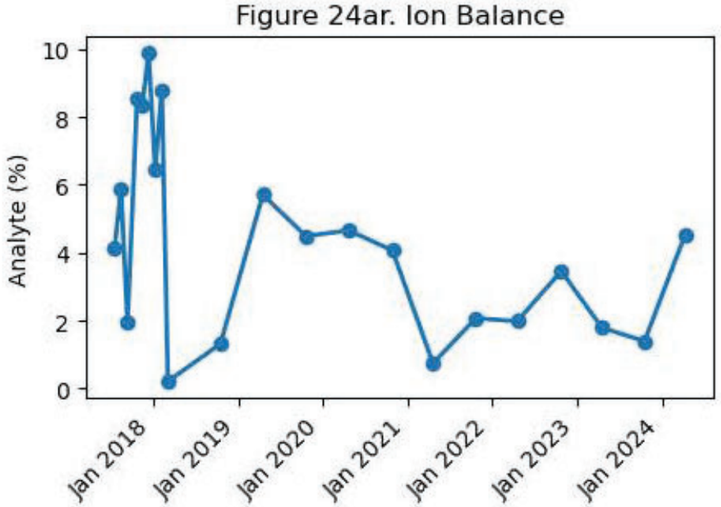


Figure 24ar. Ion Balance



AL (APP & UIC)
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M54-O Quarterly Analyte Graphs

Figure 25a. Alkalinity, Bicarbonate

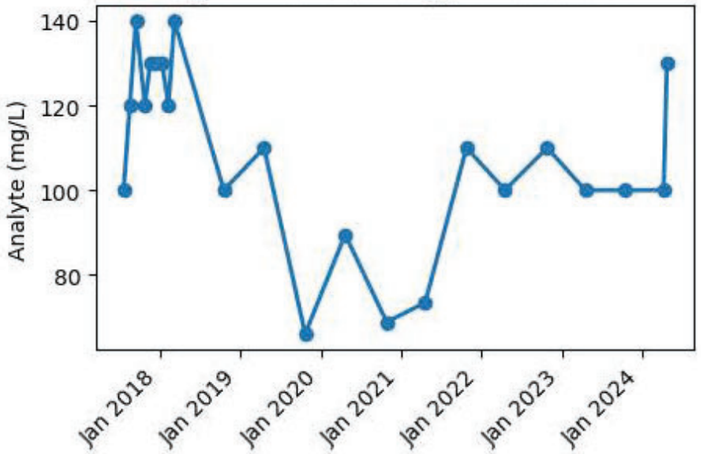

Figure 25b. Alkalinity, Carbonate

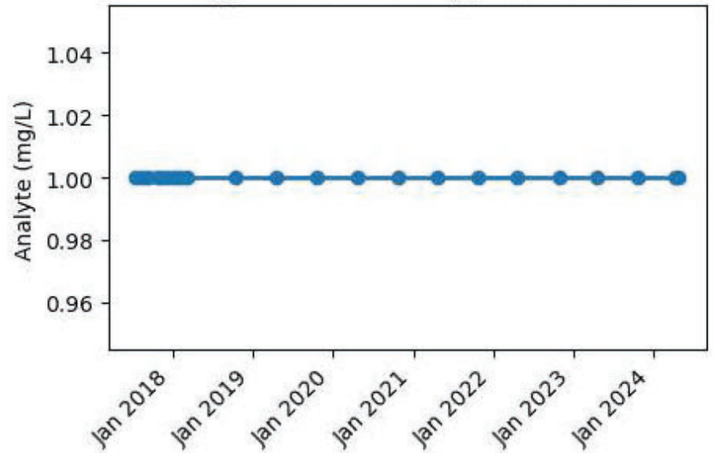

Figure 25c. Alkalinity, Hydroxide

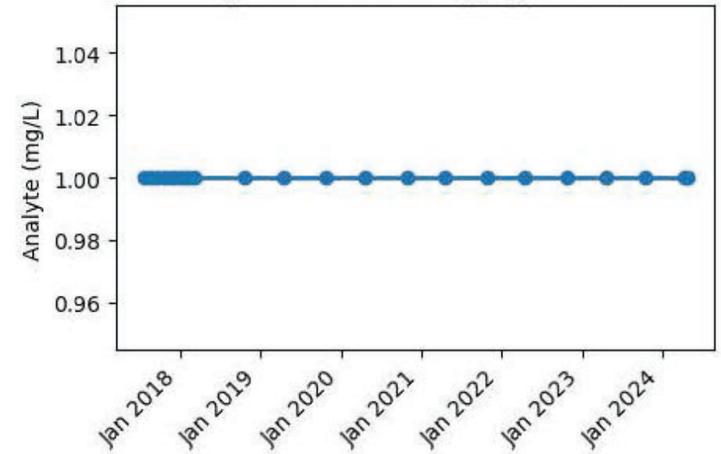

Figure 25d. Alkalinity, Total (as CaCO3)

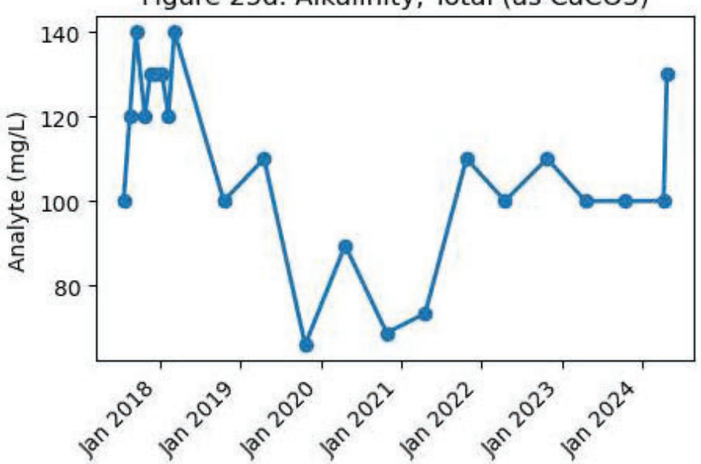

Figure 25e. Aluminum

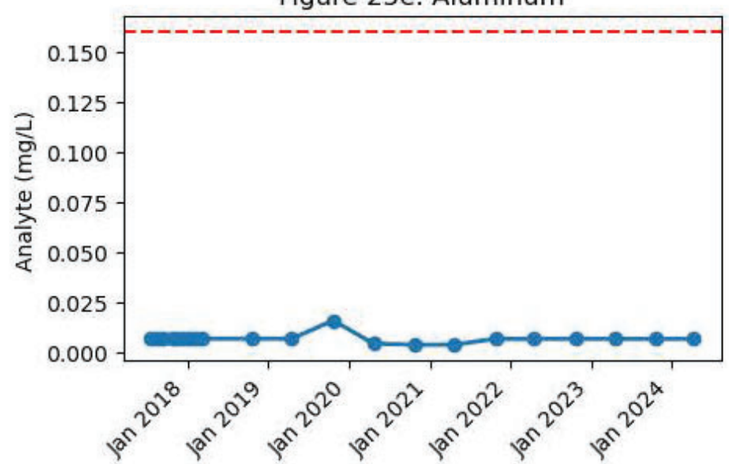

Figure 25f. Antimony

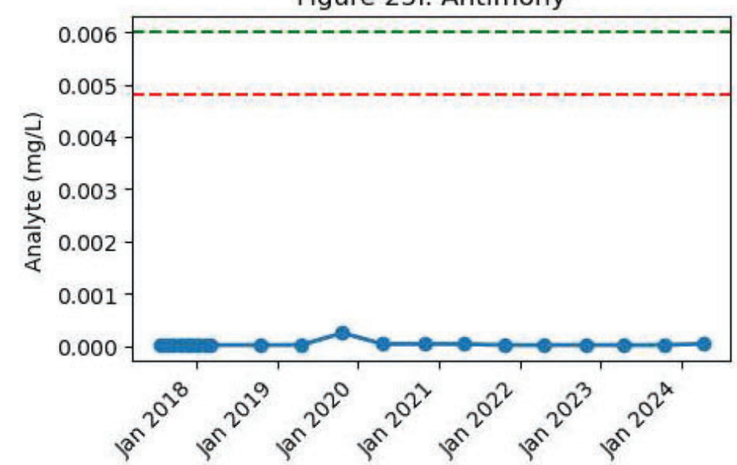

Figure 25g. Arsenic

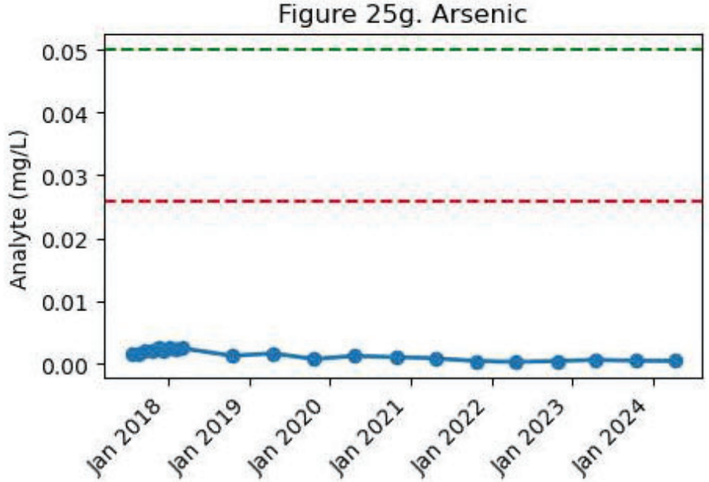

Figure 25h. Barium

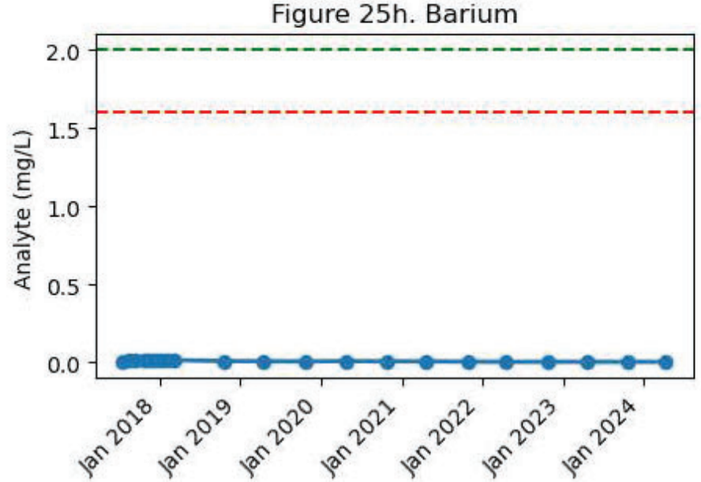

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Figure 25i. Benzene

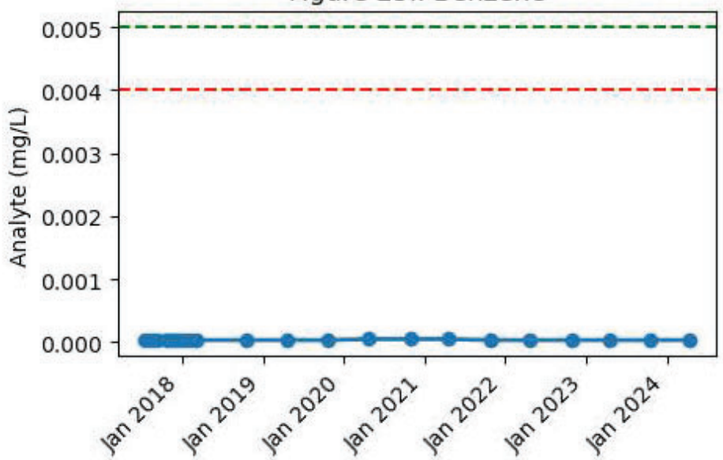

Figure 25j. Beryllium

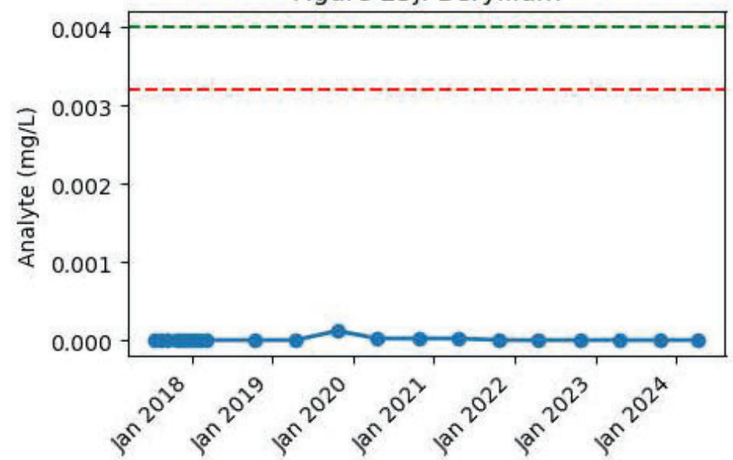

Figure 25k. Cadmium

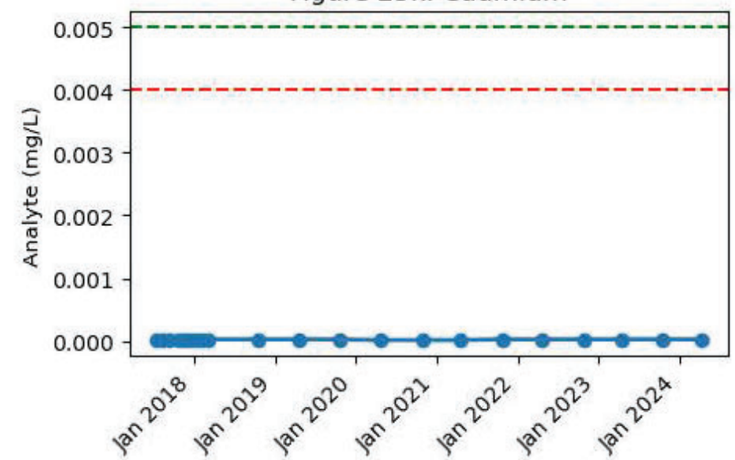

Figure 25l. Calcium

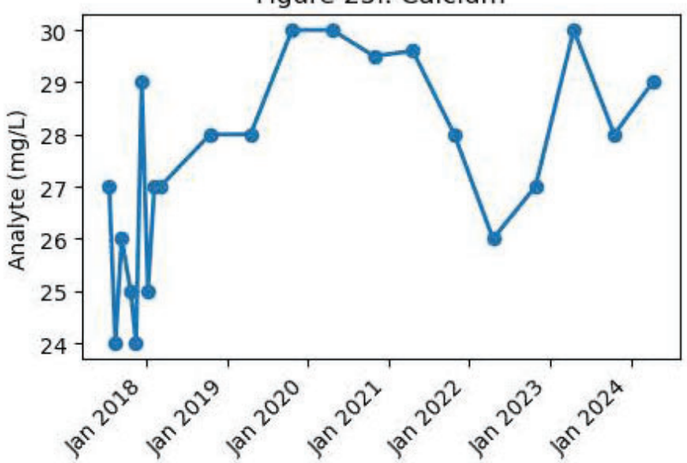

Figure 25m. Chloride

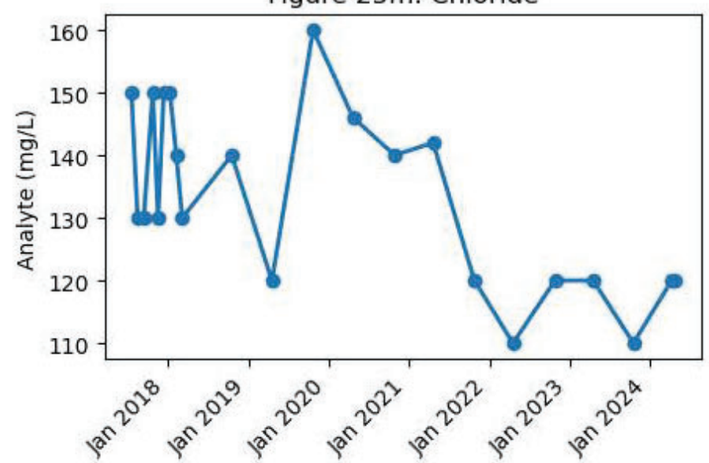

Figure 25n. Chromium

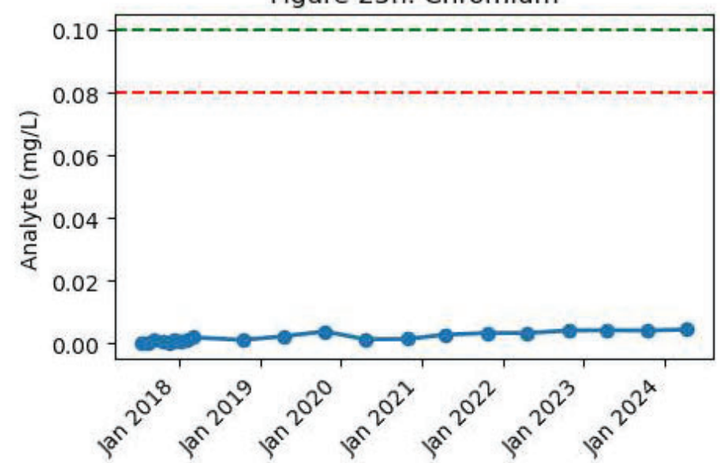

Figure 25o. Cobalt

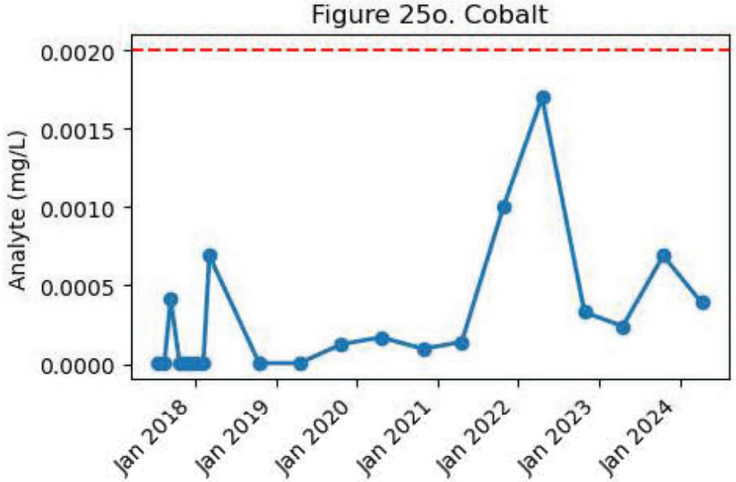

Figure 25p. Copper

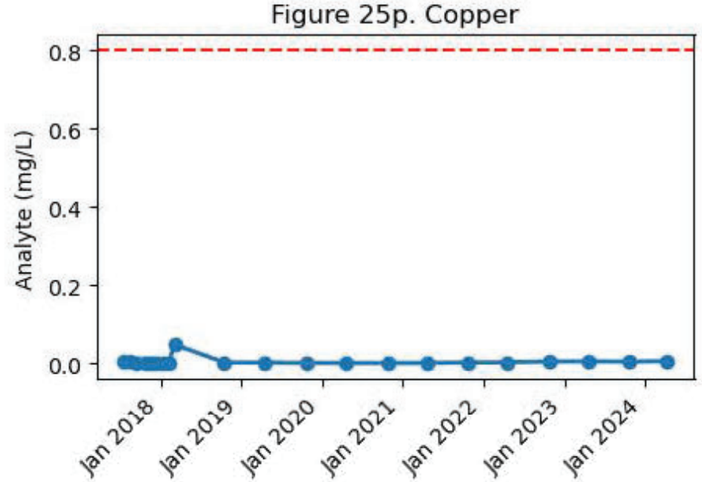

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Figure 25q. Ethylbenzene

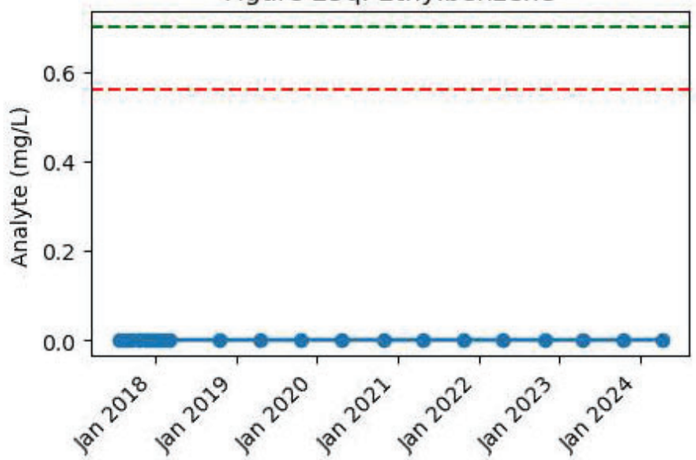

Figure 25r. Fluoride

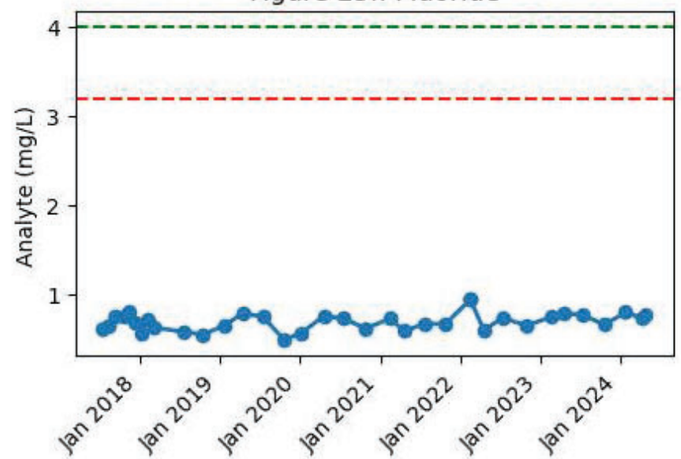

Figure 25s. Gross Alpha Analytes

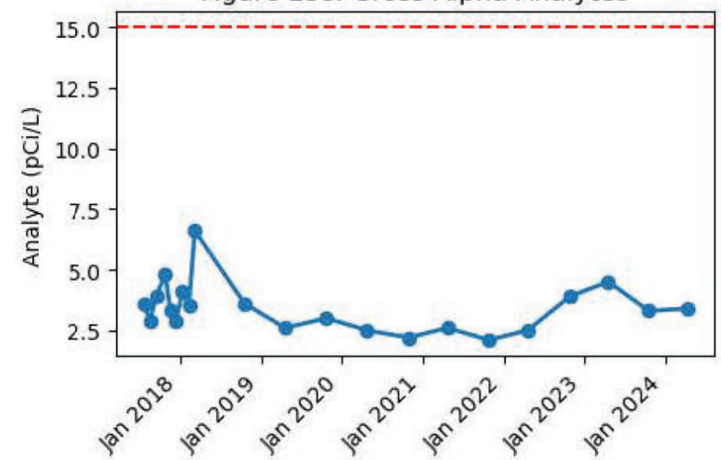

Figure 25t. Iron

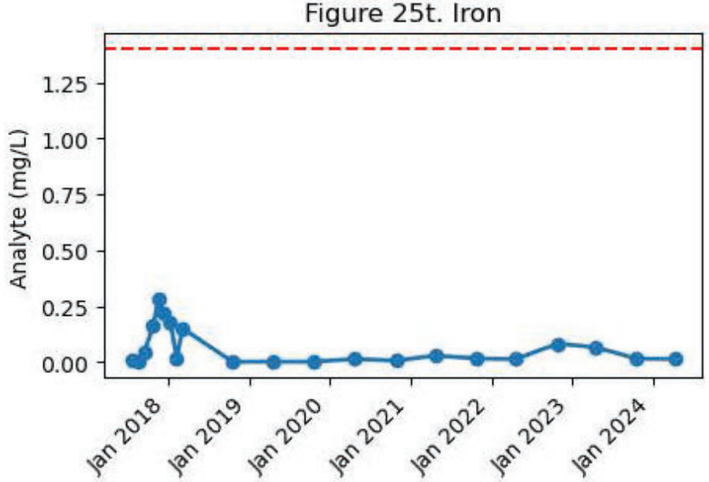

Figure 25u. Lead

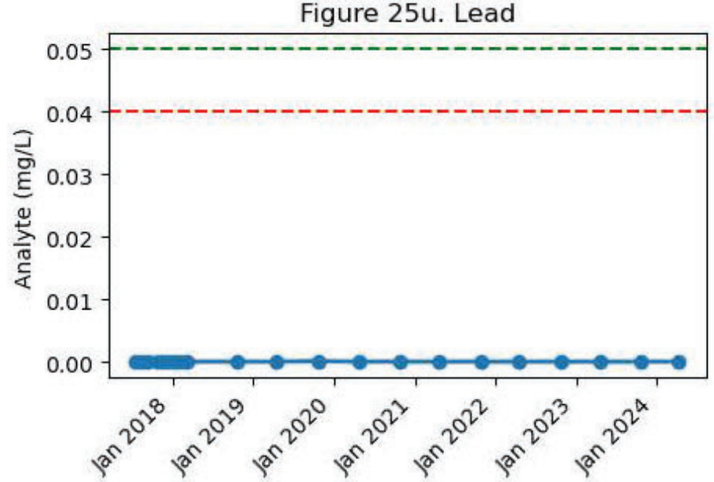

Figure 25v. Magnesium

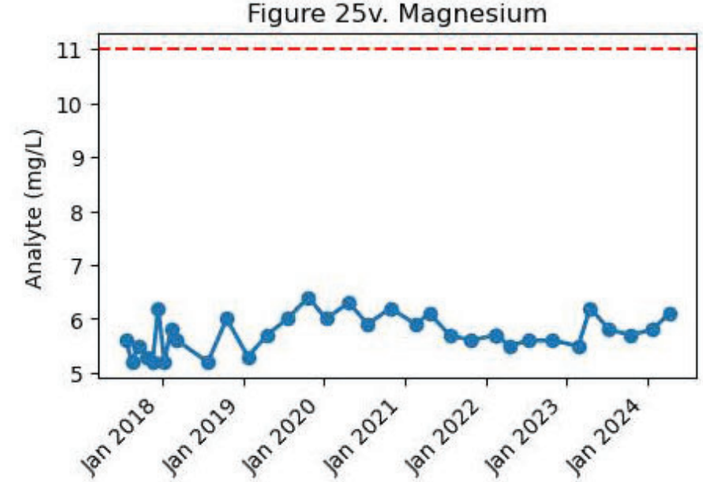

Figure 25w. Manganese

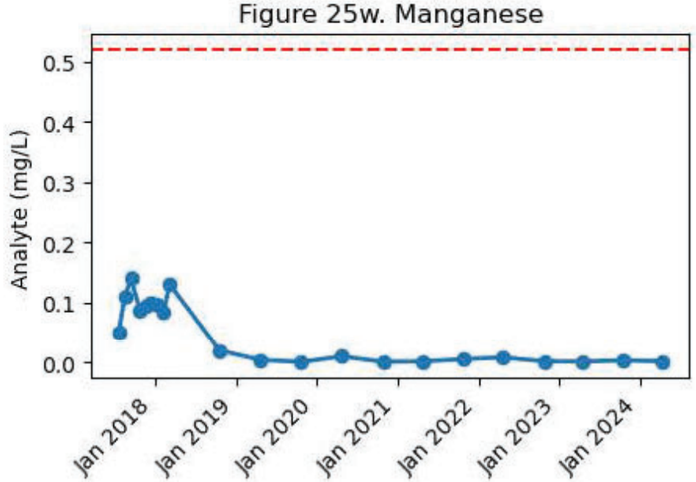

Figure 25x. Mercury

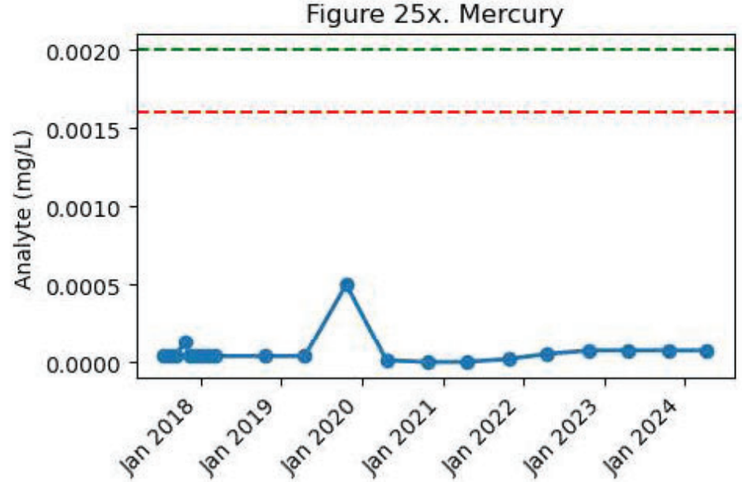

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Figure 25y. Nickel

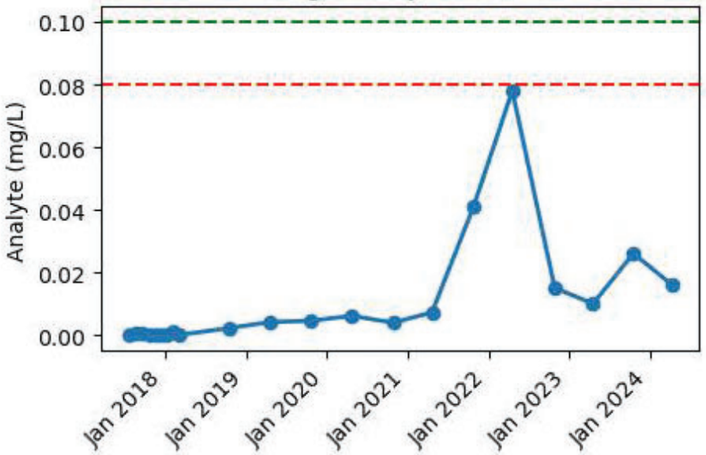


Figure 25z. Nitrate (as N)

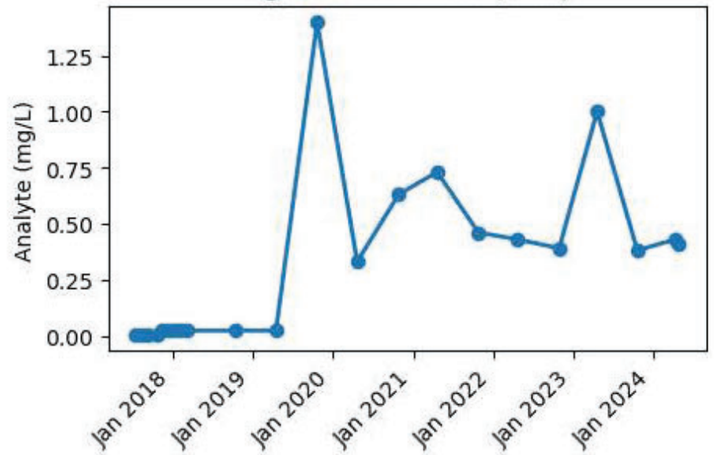


Figure 25aa. pH, Field

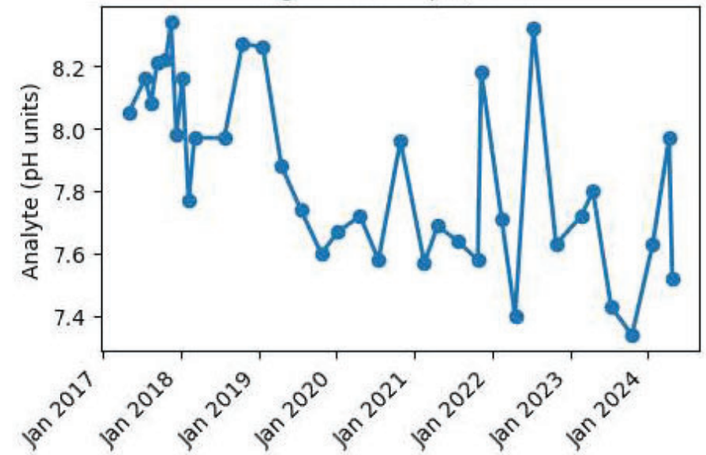


Figure 25ab. Potassium

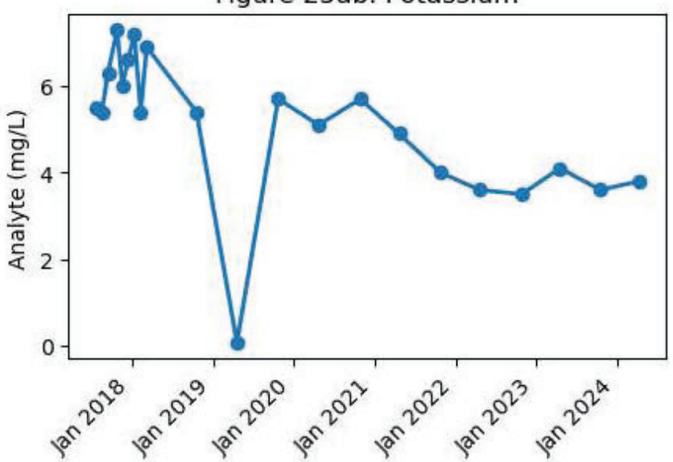


Figure 25ac. Radium-226 & 228

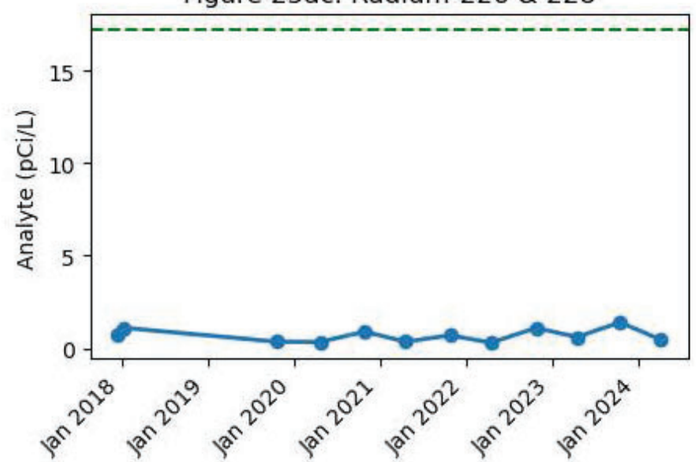


Figure 25ad. Selenium

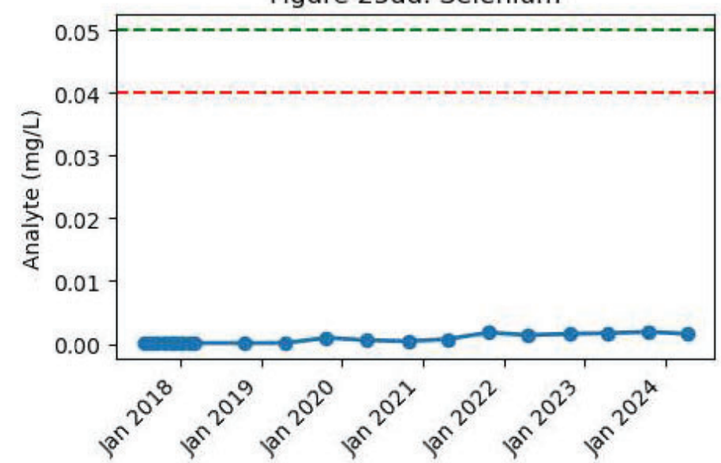


Figure 25ae. Sodium

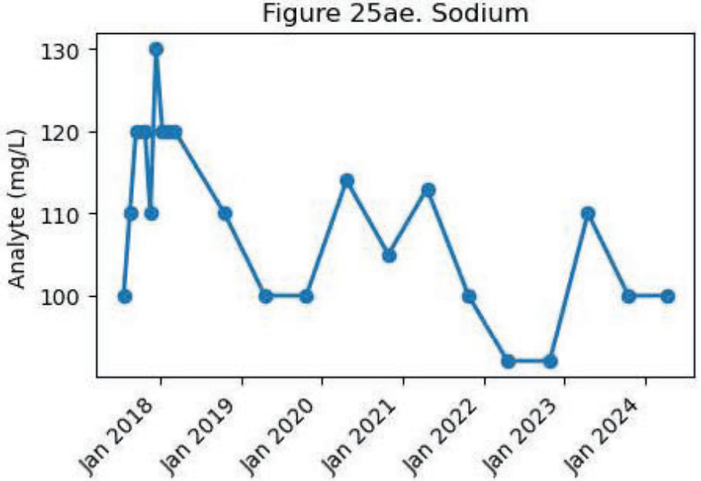
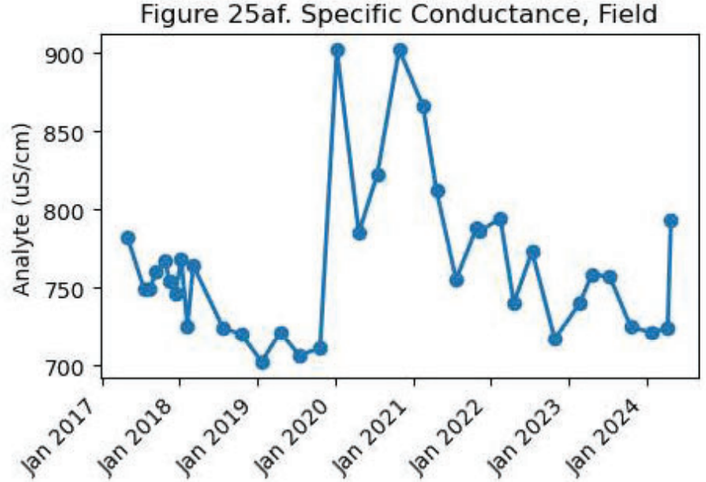


Figure 25af. Specific Conductance, Field



AL (APP & UIC)
AQL (APP & UIC)
Analyte

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Figure 25ag. Sulfate

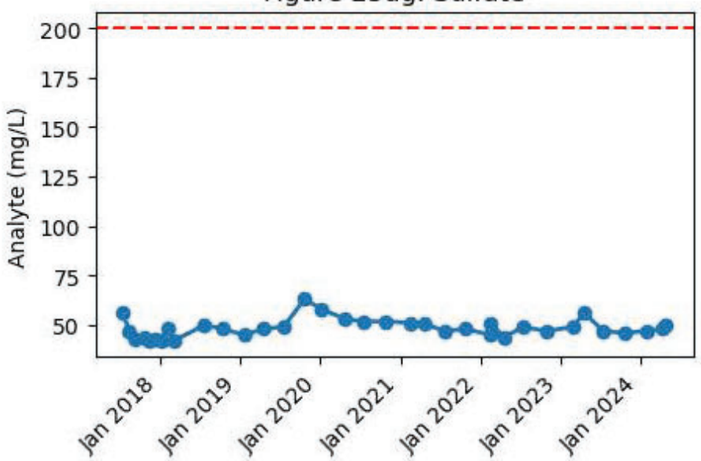


Figure 25ah. Temperature, Field

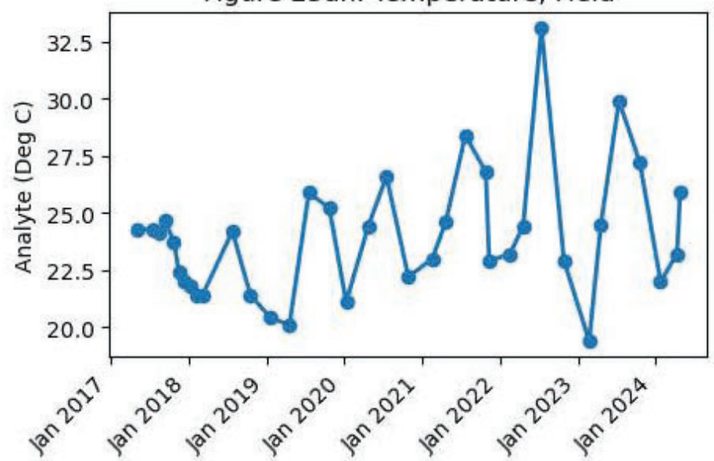


Figure 25ai. Thallium

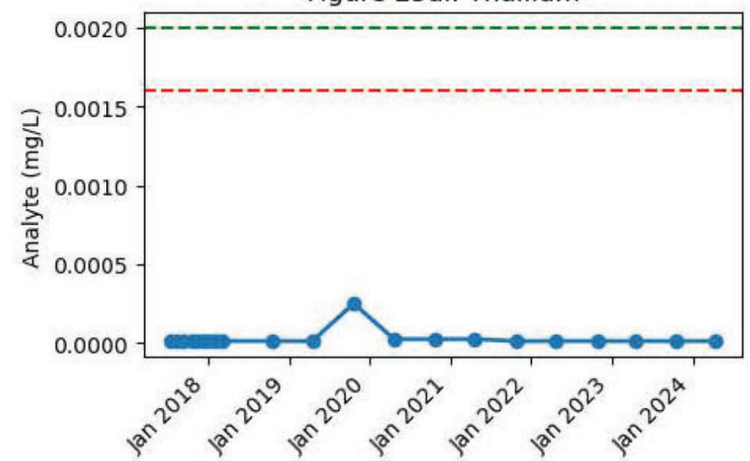


Figure 25aj. Toluene

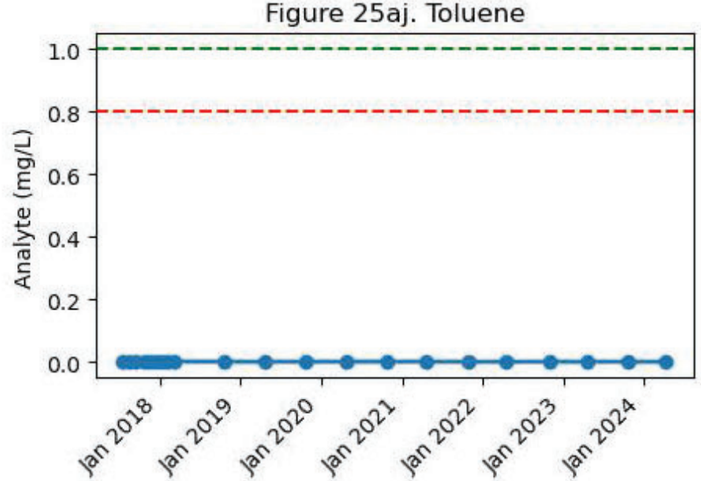


Figure 25ak. Total Dissolved Solids (TDS)

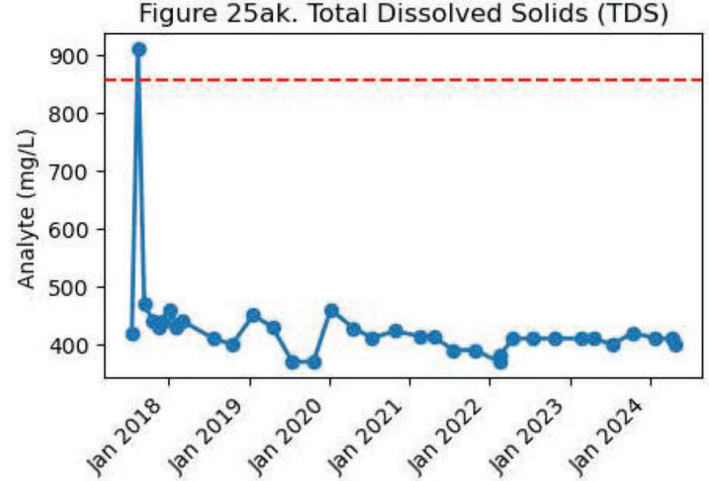


Figure 25al. Total Petroleum Hydrocarbons (C10-C22) Diesel

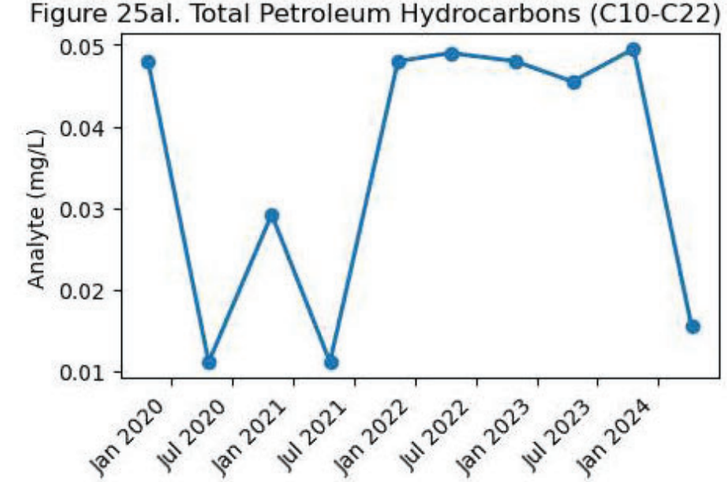


Figure 25am. Turbidity, Field

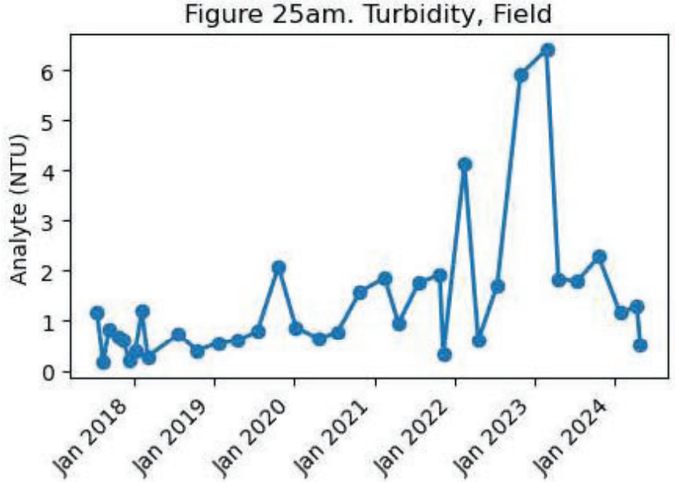
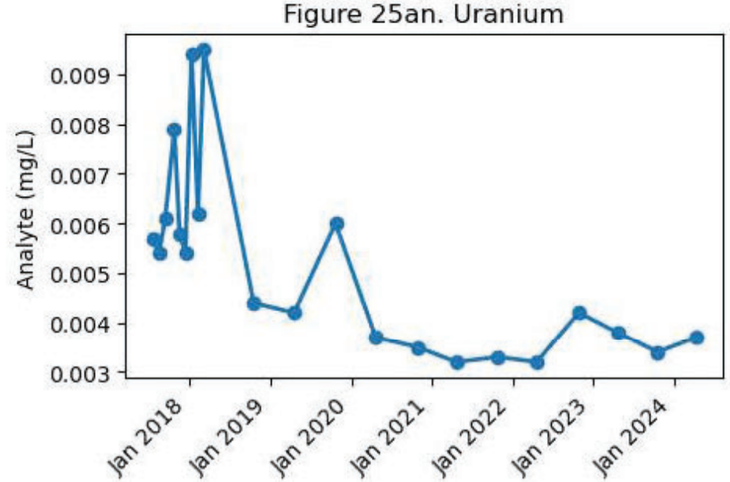


Figure 25an. Uranium



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M54-O Quarterly Analyte Graphs

Figure 25ao. Xylene (Total)

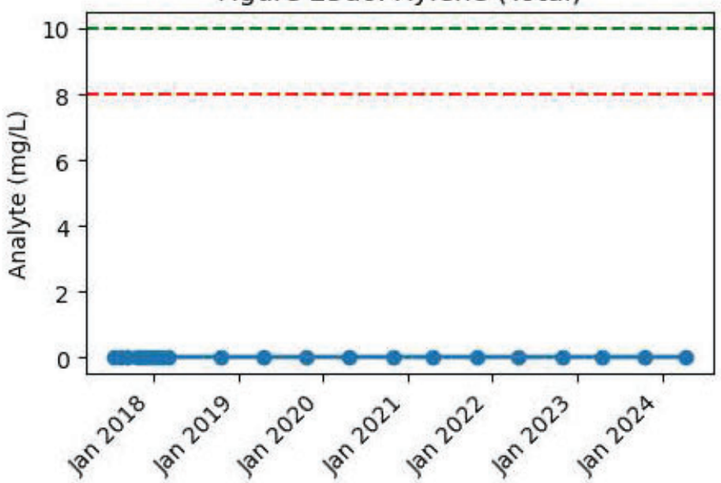


Figure 25ap. Zinc

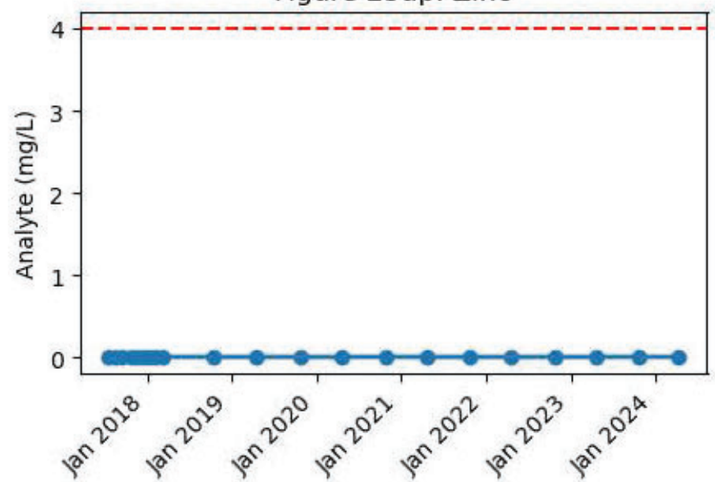


Figure 25aq. Total Uranium Isotopes

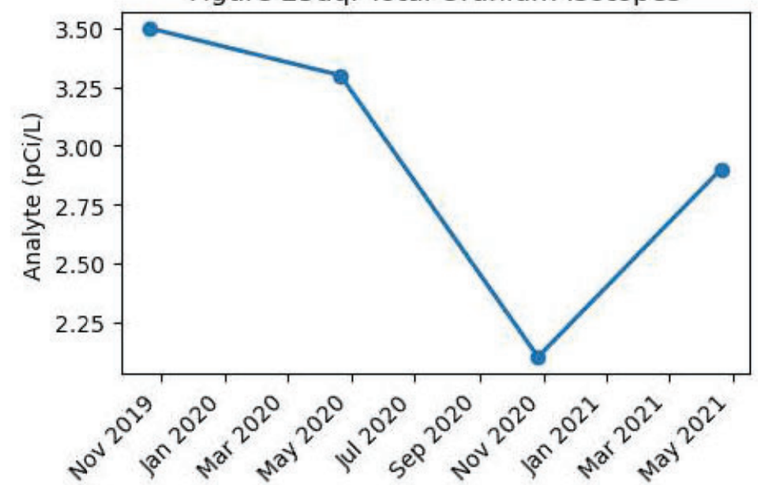
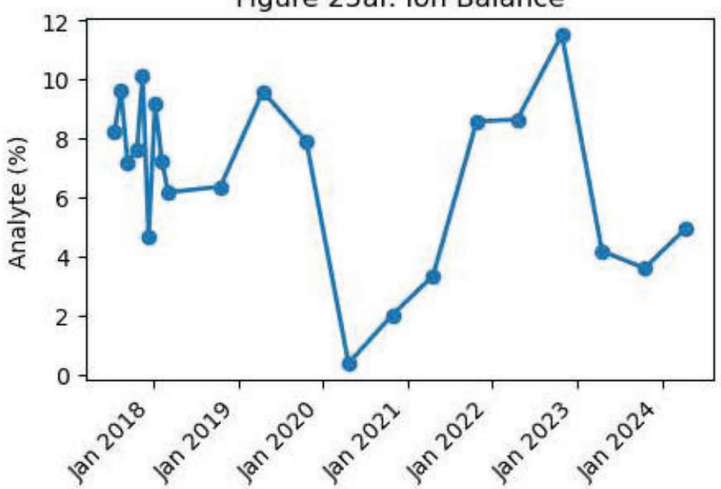
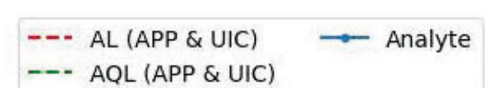


Figure 25ar. Ion Balance





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M6-GU Quarterly Analyte Graphs

Figure 26a. Alkalinity, Bicarbonate

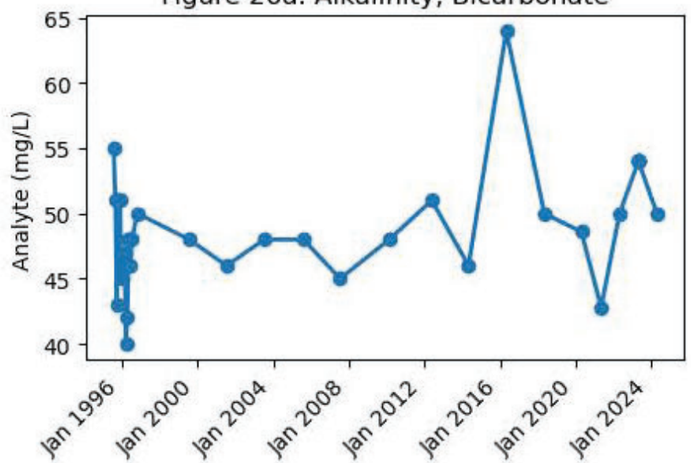


Figure 26b. Alkalinity, Carbonate

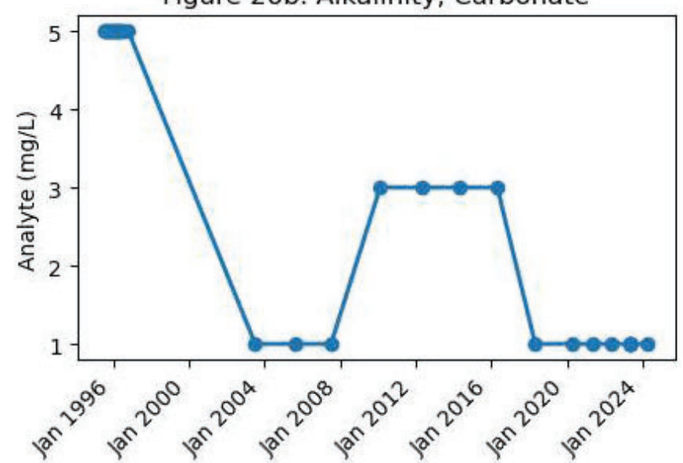


Figure 26c. Alkalinity, Hydroxide

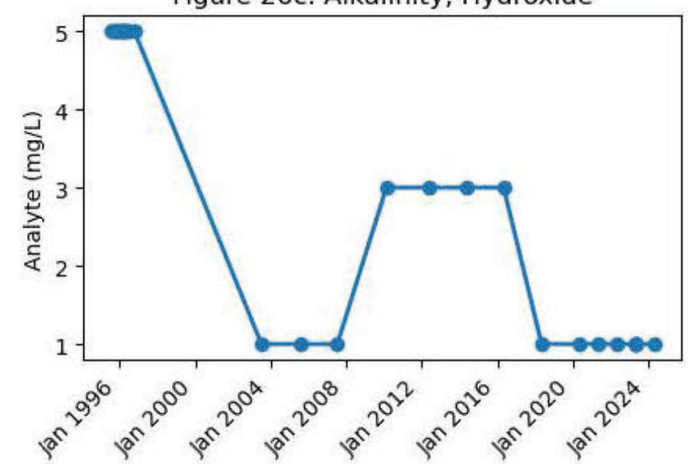


Figure 26d. Alkalinity, Total (as CaCO3)

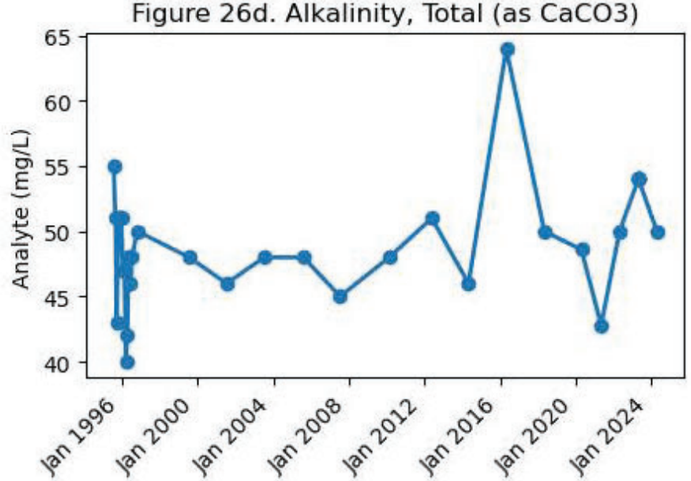


Figure 26e. Aluminum

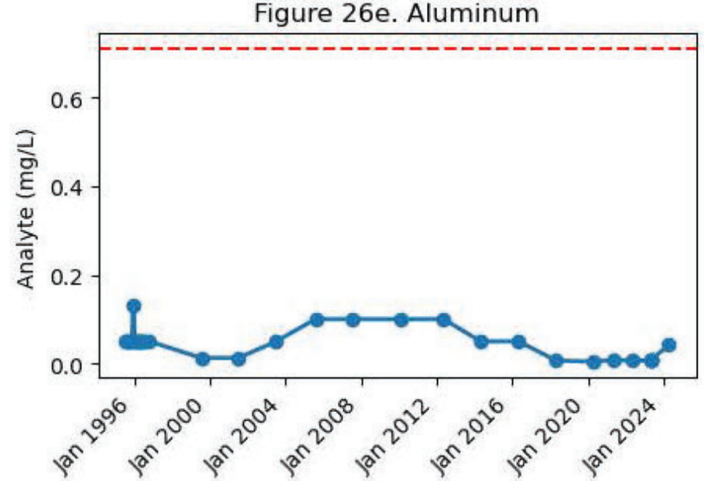


Figure 26f. Antimony

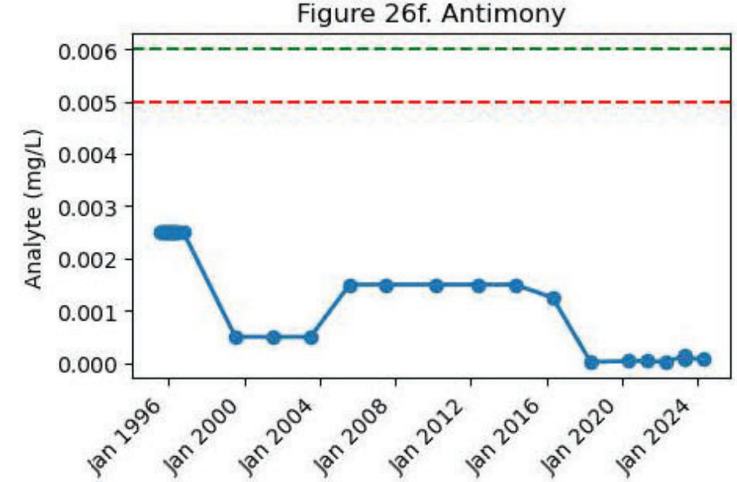


Figure 26g. Arsenic

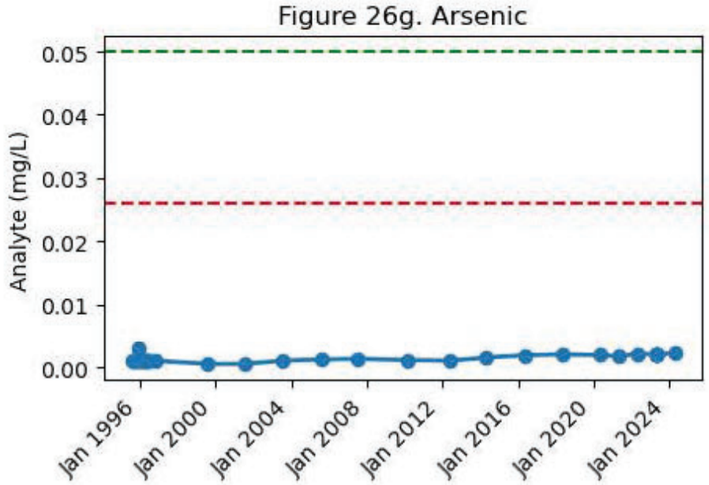
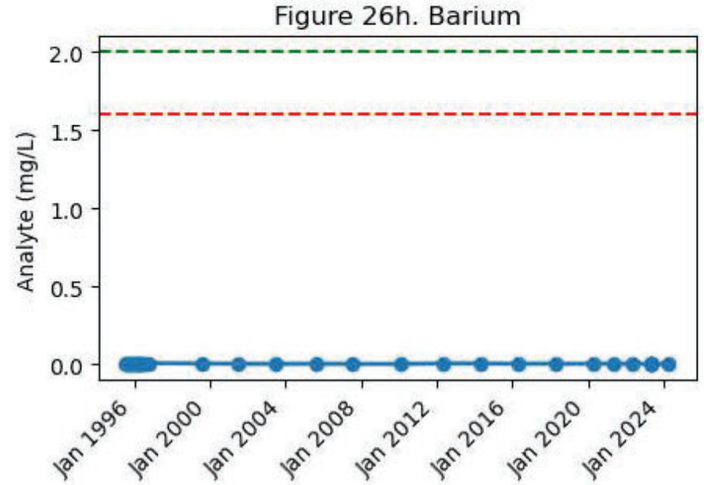


Figure 26h. Barium



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M6-GU Quarterly Analyte Graphs

Figure 26i. Benzene

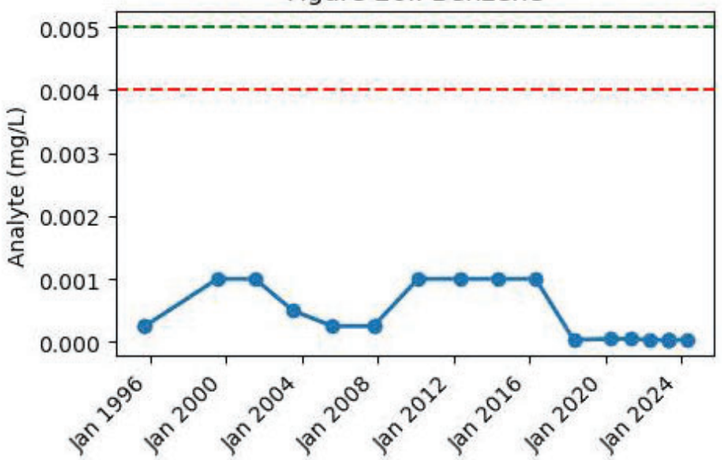


Figure 26j. Beryllium

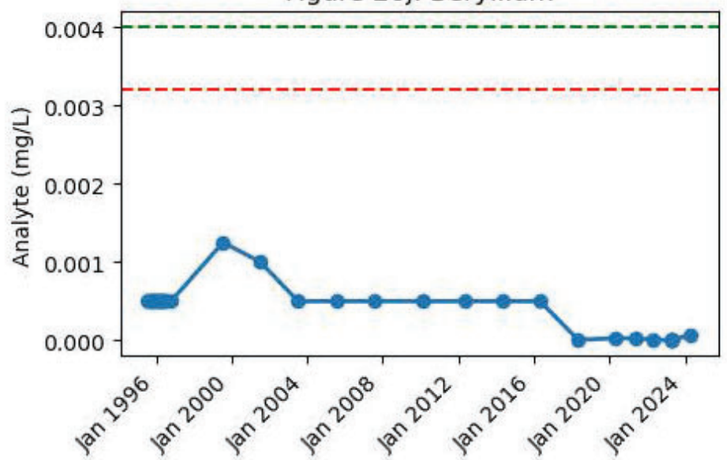


Figure 26k. Cadmium

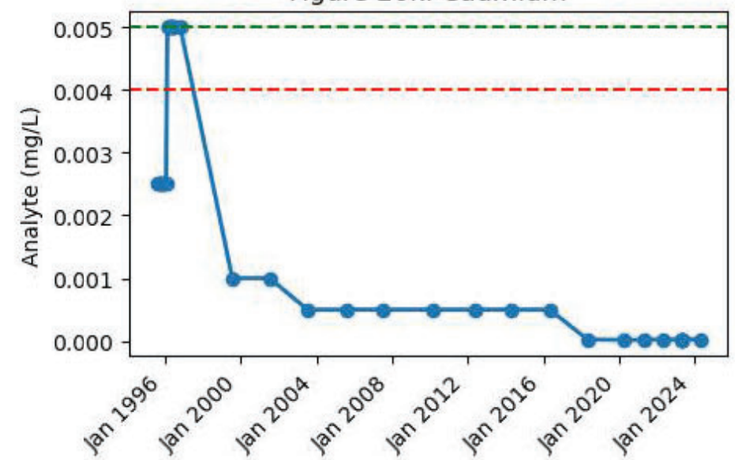


Figure 26l. Calcium

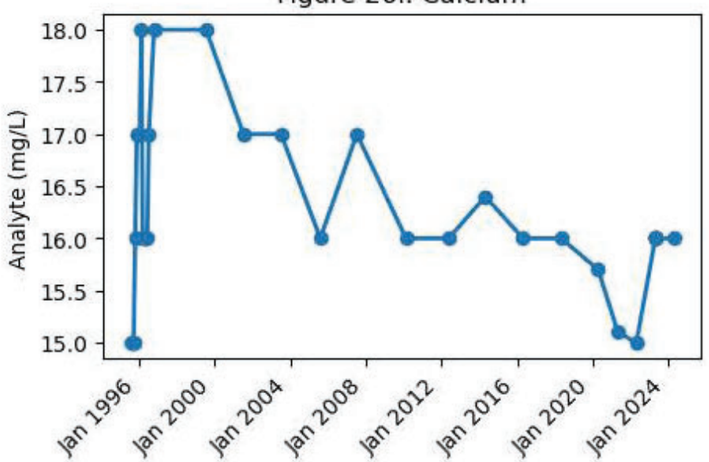


Figure 26m. Chloride

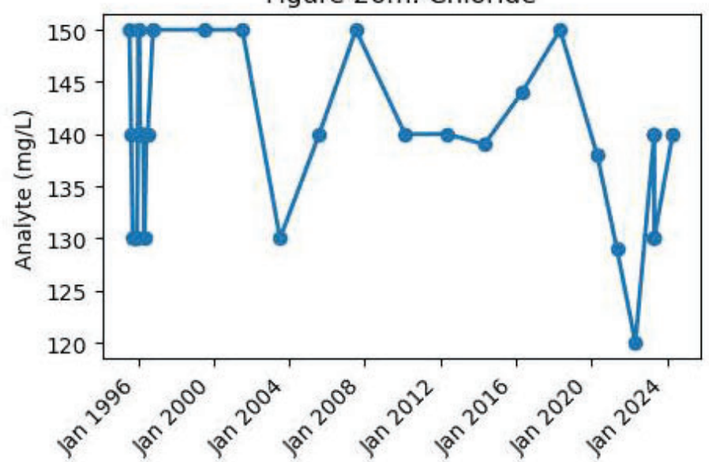


Figure 26n. Chromium

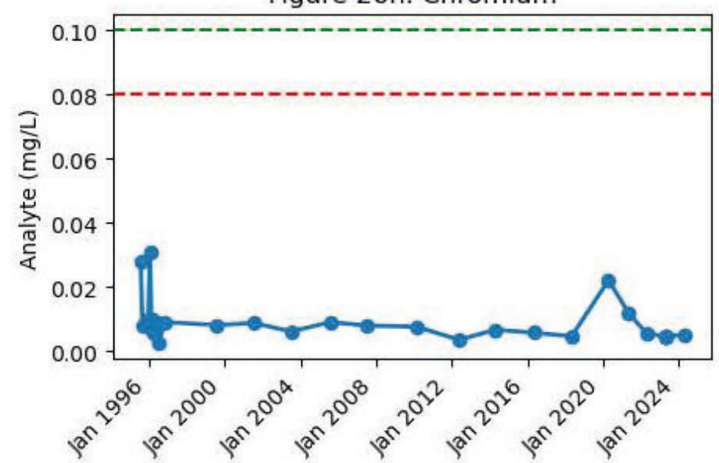


Figure 26o. Cobalt

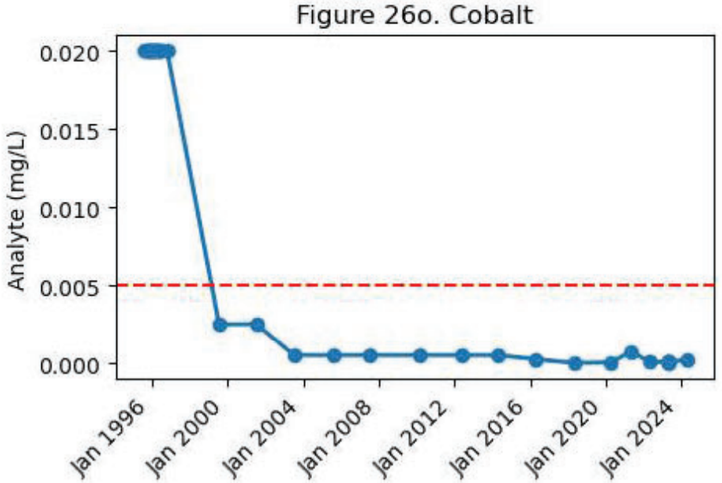
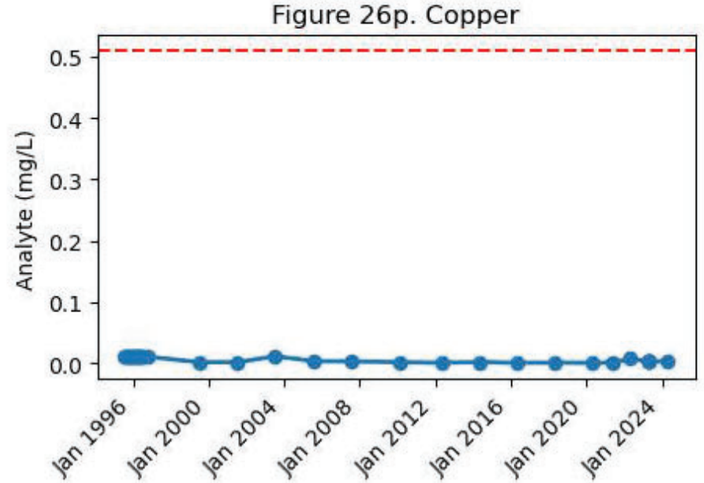


Figure 26p. Copper



AL (APP & UIC)
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M6-GU Quarterly Analyte Graphs

Figure 26q. Ethylbenzene

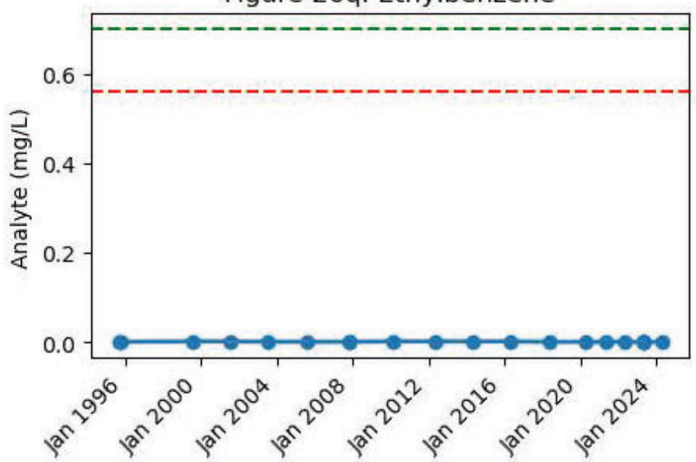


Figure 26r. Fluoride

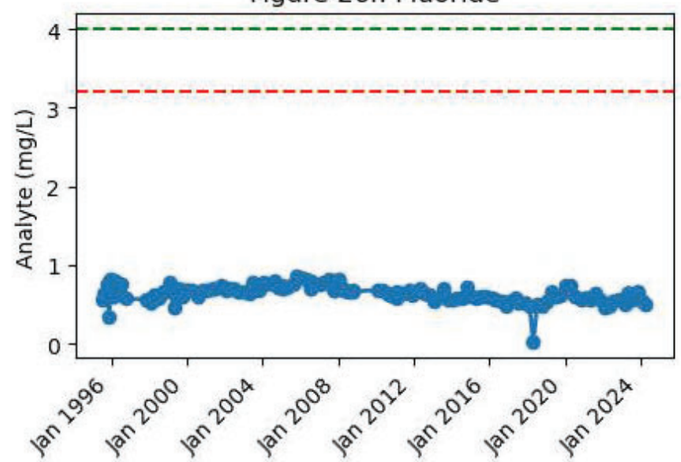


Figure 26s. Gross Alpha Analytes

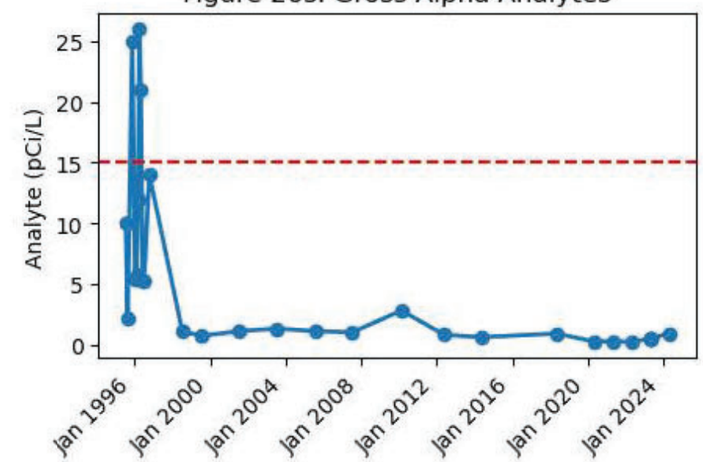


Figure 26t. Iron

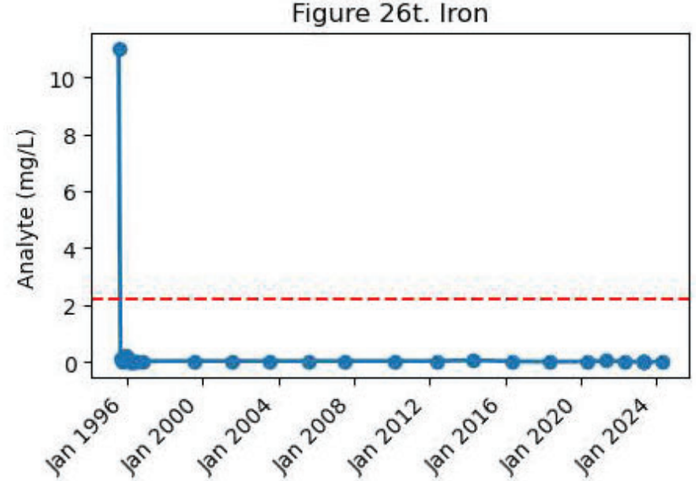


Figure 26u. Lead

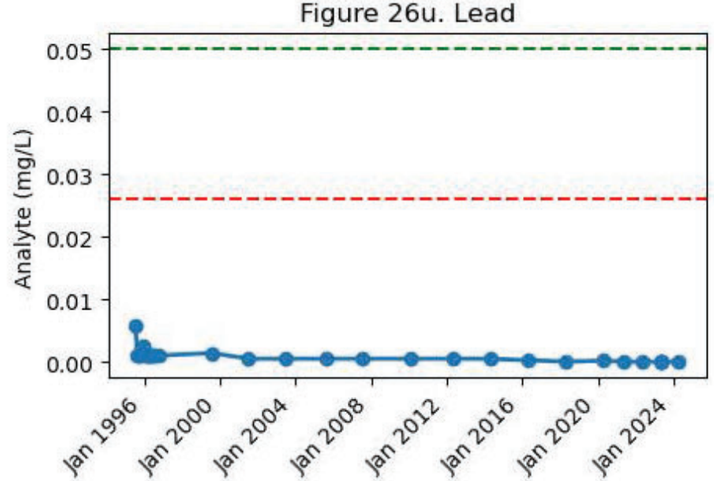


Figure 26v. Magnesium

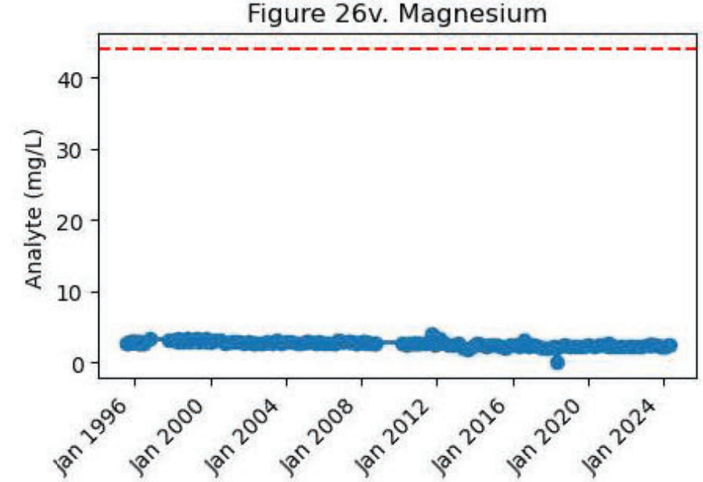


Figure 26w. Manganese

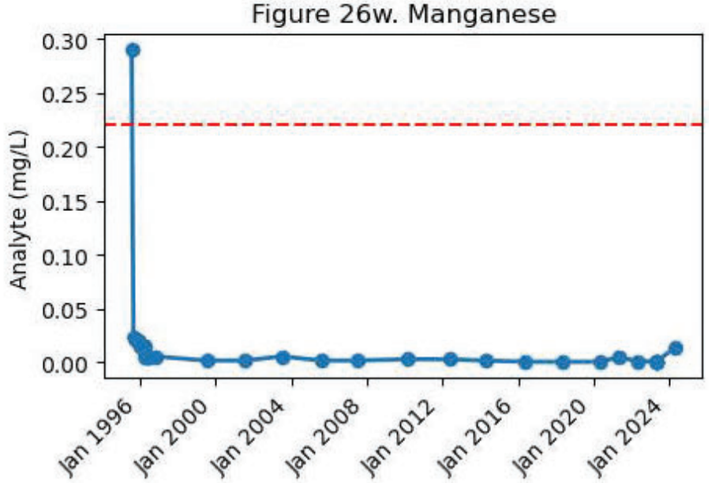
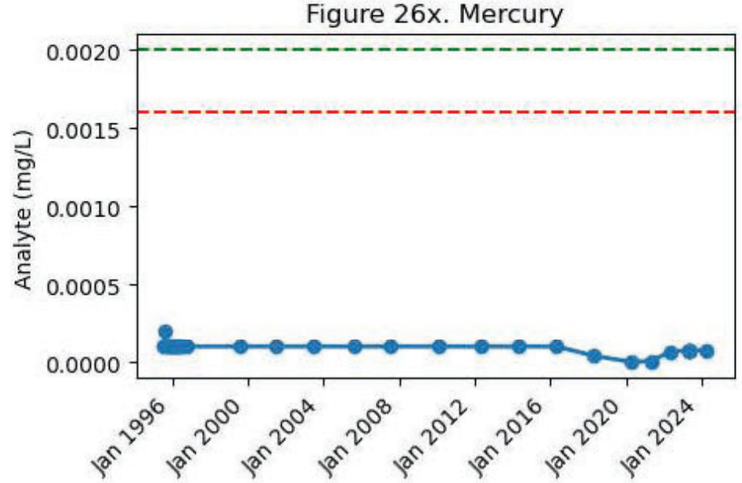


Figure 26x. Mercury



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M6-GU Quarterly Analyte Graphs

Figure 26y. Nickel

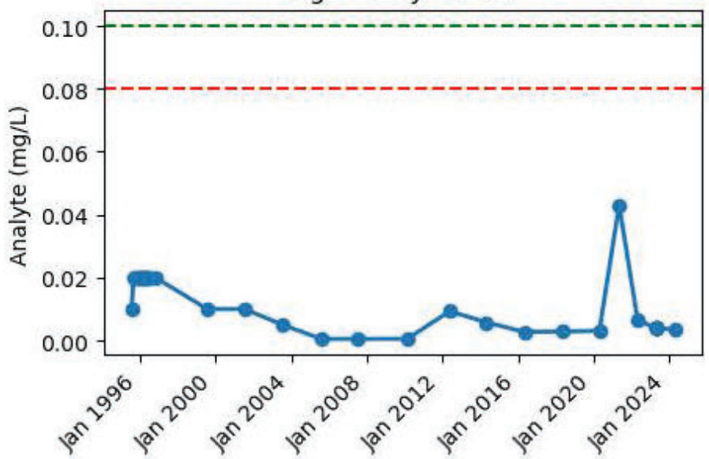


Figure 26z. Nitrate (as N)

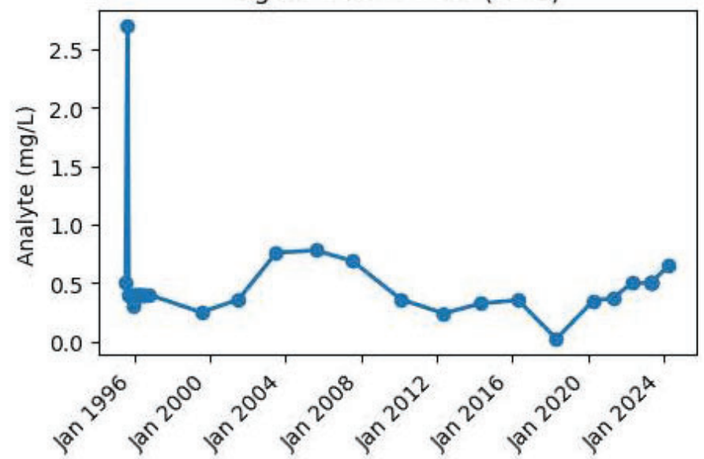


Figure 26aa. pH, Field

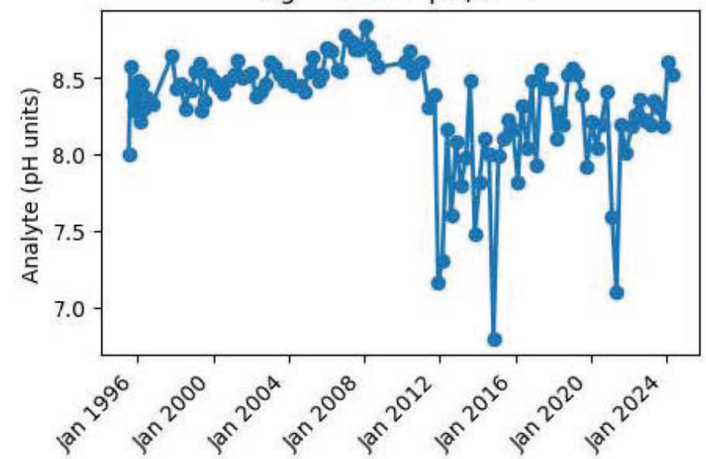


Figure 26ab. Potassium

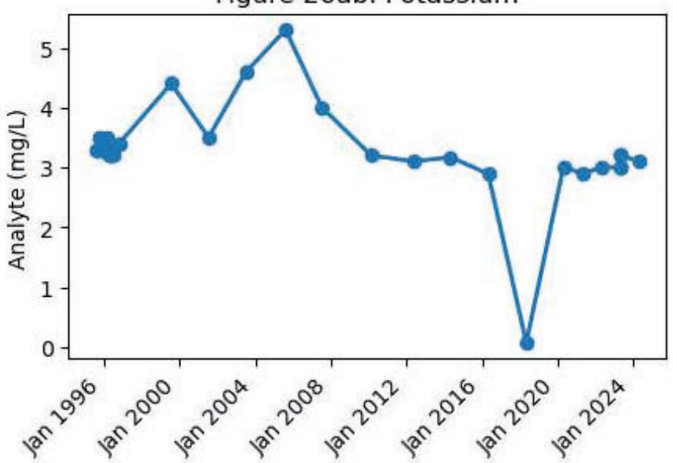


Figure 26ac. Radium-226 & 228

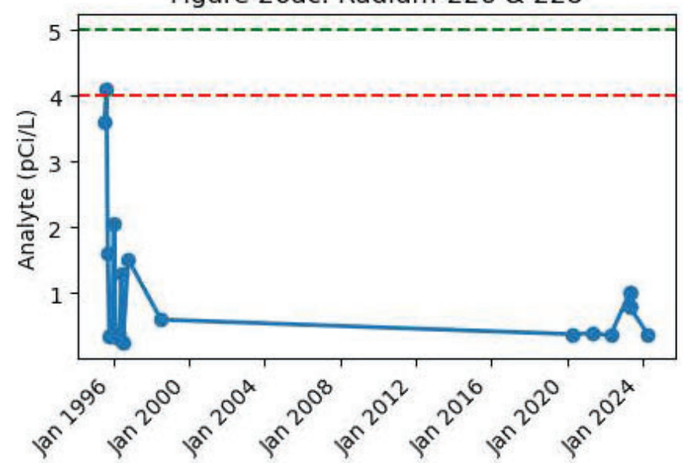


Figure 26ad. Selenium

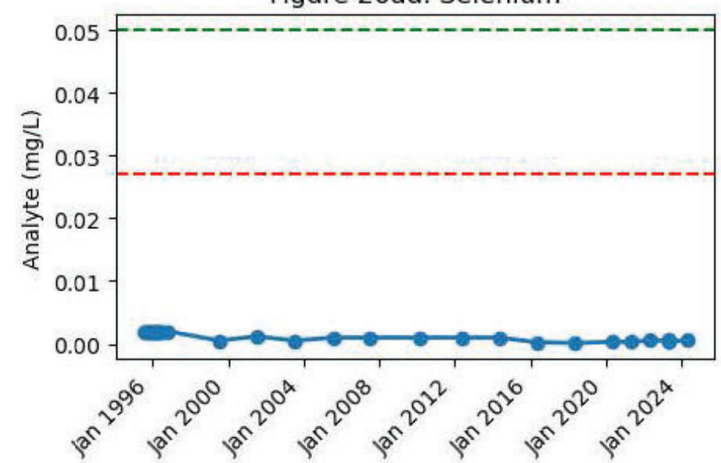


Figure 26ae. Sodium

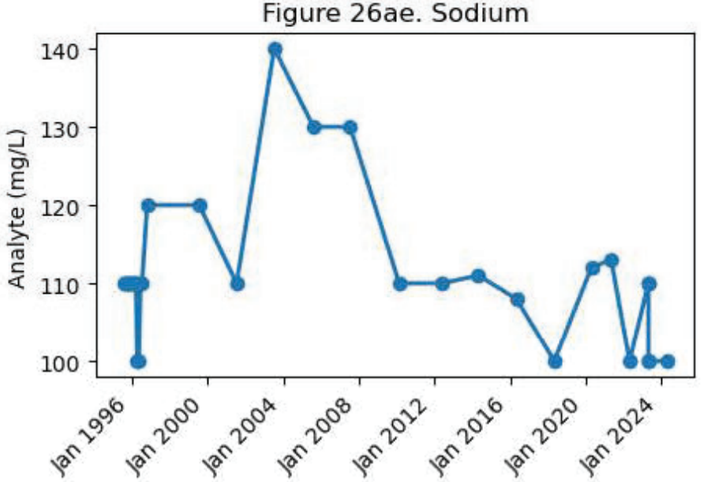
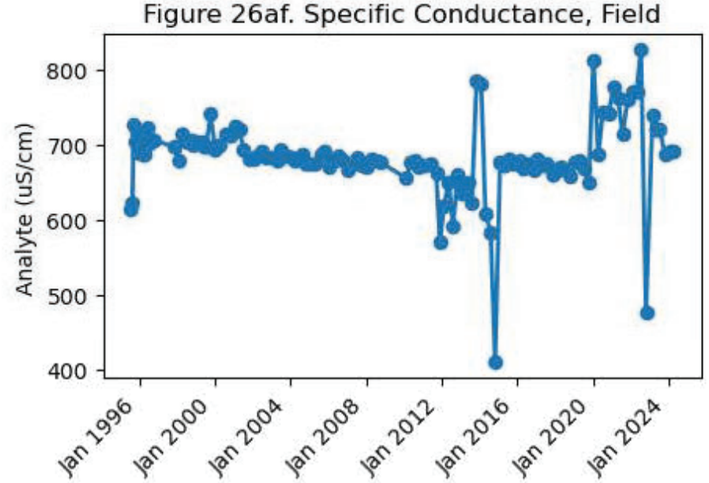


Figure 26af. Specific Conductance, Field



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M6-GU Quarterly Analyte Graphs

Figure 26ag. Sulfate

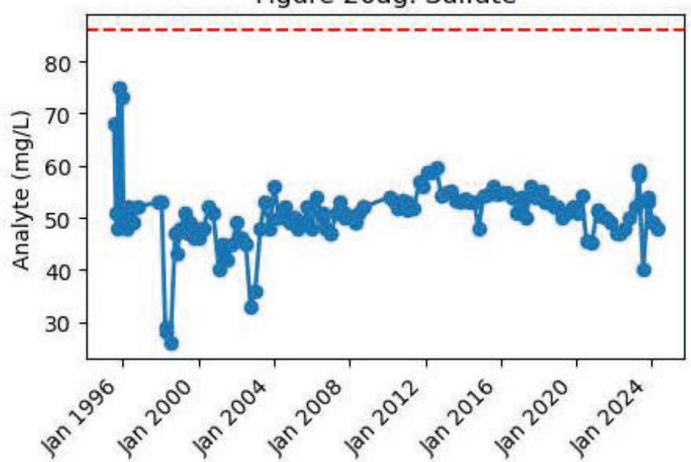


Figure 26ah. Temperature, Field

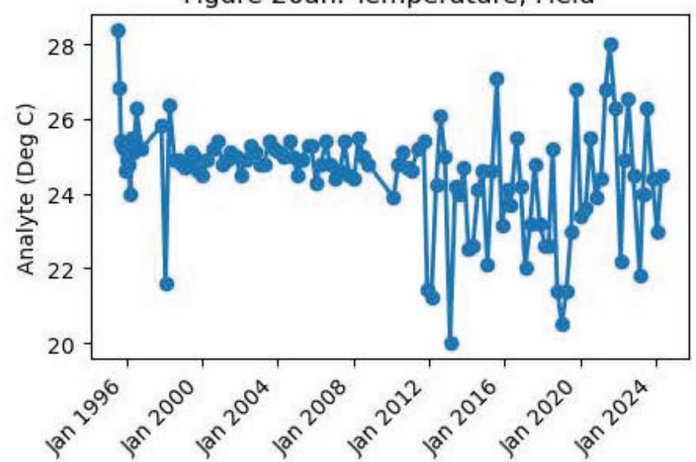


Figure 26ai. Thallium

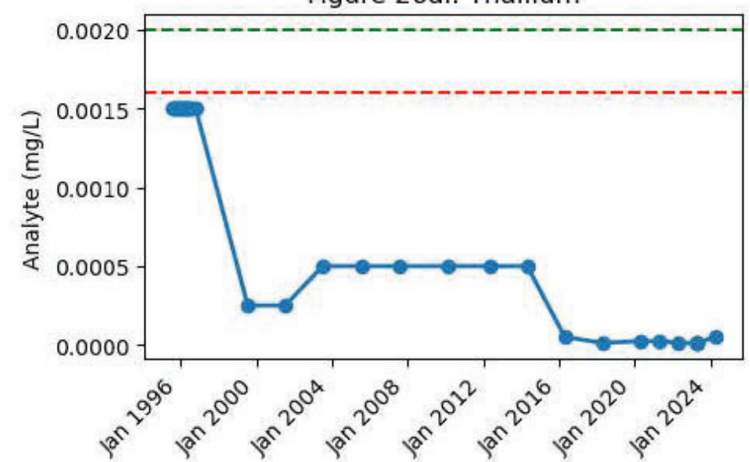


Figure 26aj. Toluene

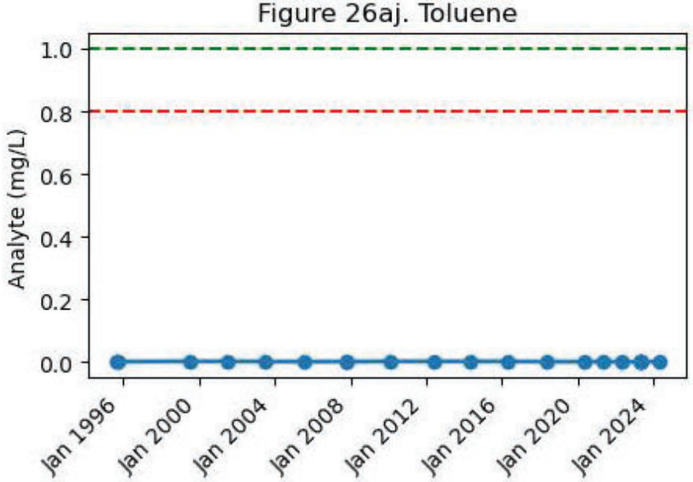


Figure 26ak. Total Dissolved Solids (TDS)

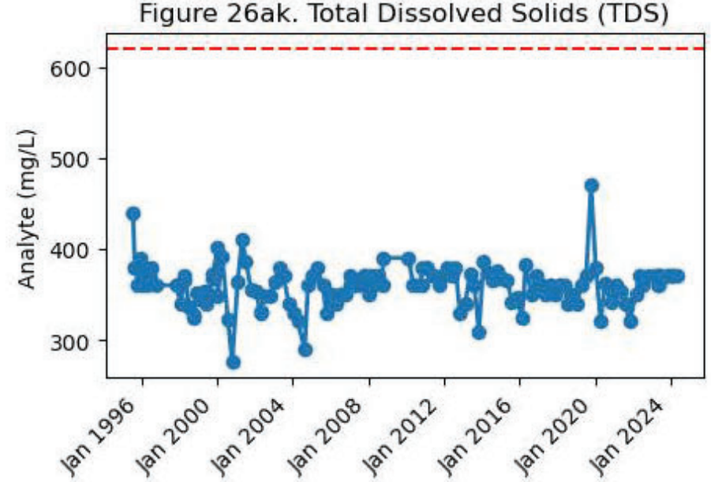


Figure 26al. Total Petroleum Hydrocarbons (C10-C22) Diesel

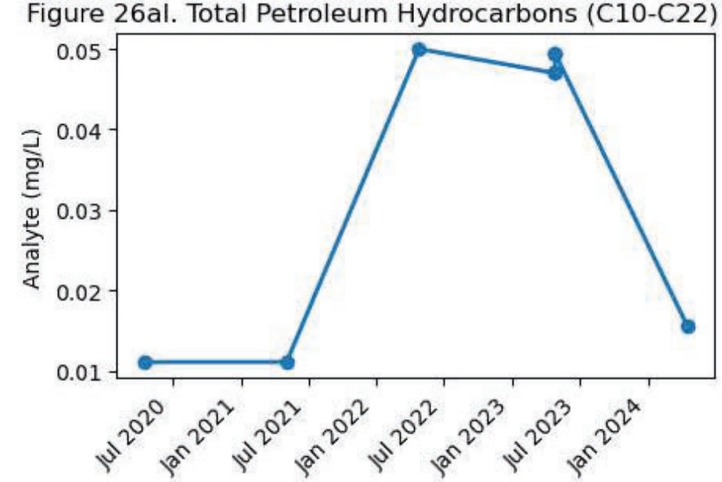


Figure 26am. Turbidity, Field

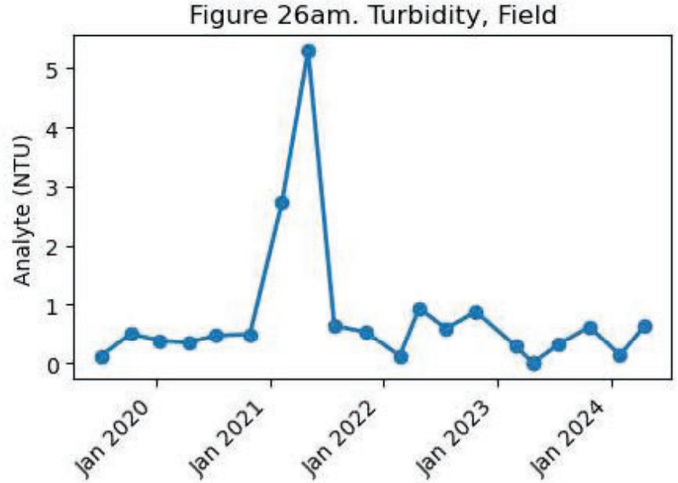
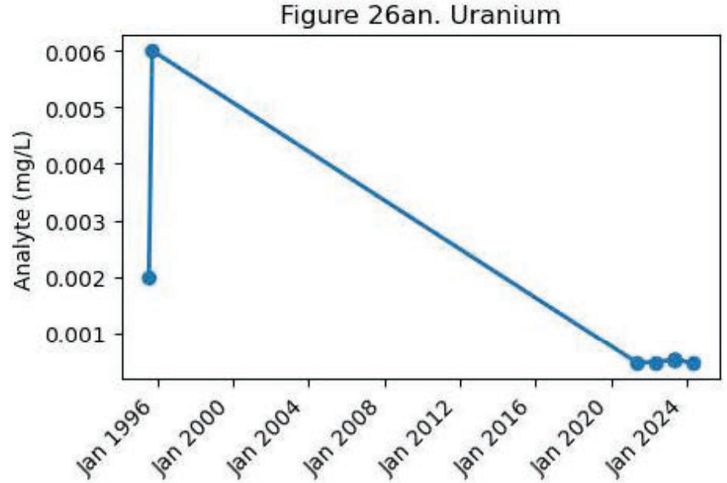


Figure 26an. Uranium



AL (APP & UIC)
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Analyte

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Figure 26ao. Xylene (Total)

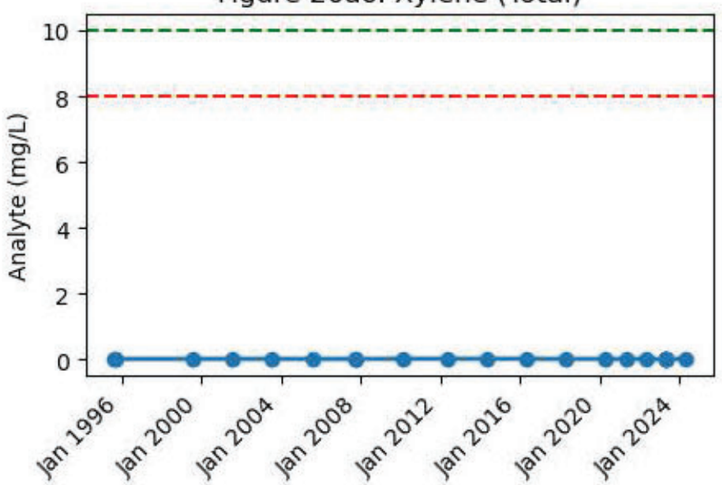


Figure 26ap. Zinc

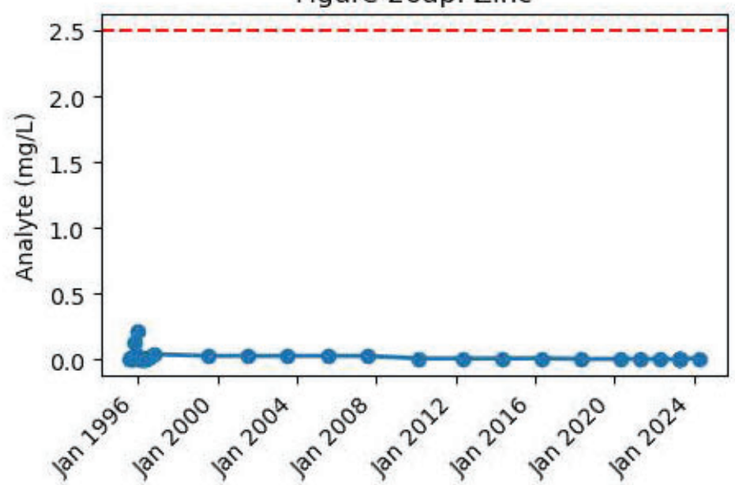


Figure 26aq. Total Uranium Isotopes

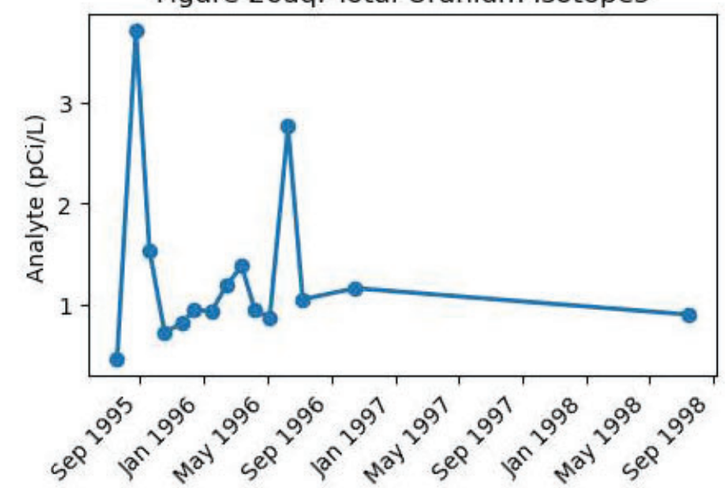
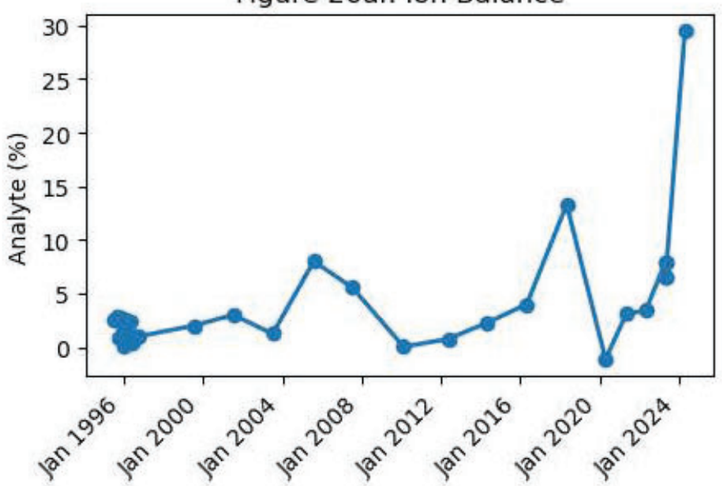


Figure 26ar. Ion Balance



AL (APP & UIC)
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M7-GL Quarterly Analyte Graphs

Figure 27a. Alkalinity, Bicarbonate

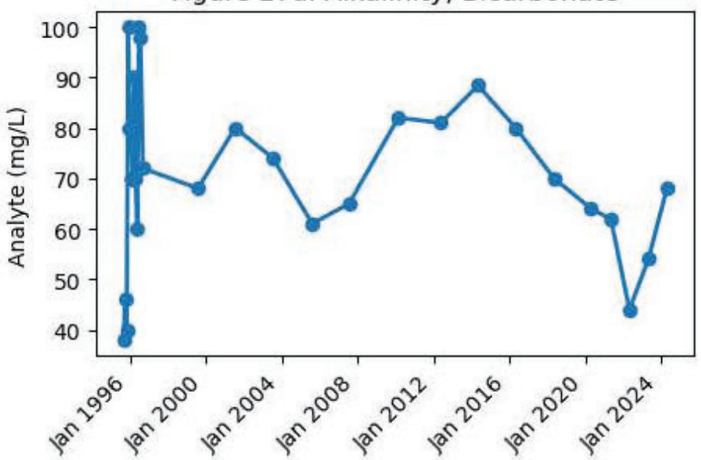


Figure 27b. Alkalinity, Carbonate

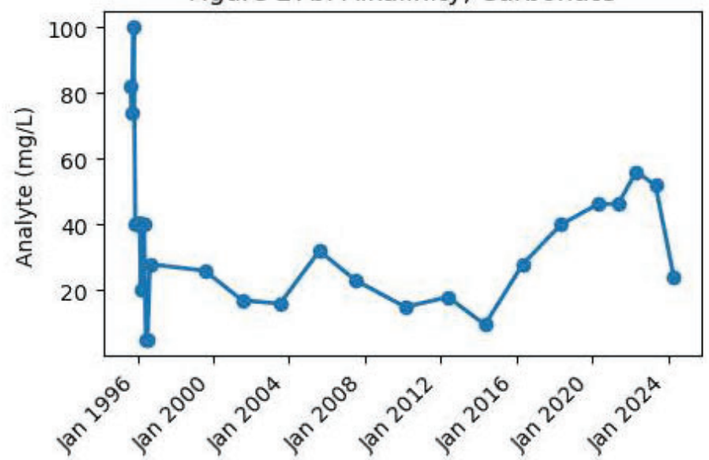


Figure 27c. Alkalinity, Hydroxide

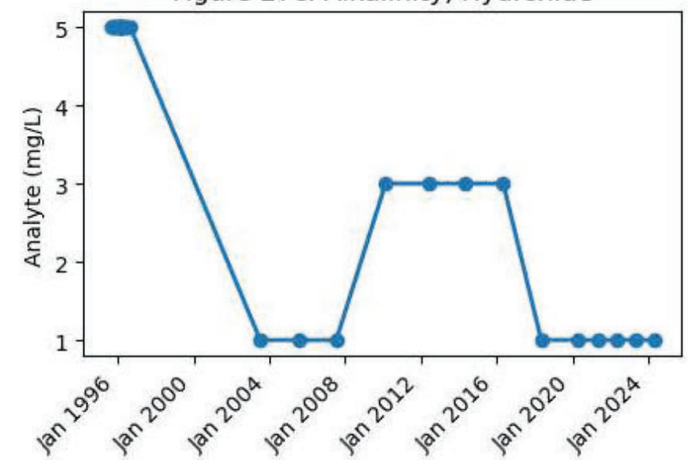


Figure 27d. Alkalinity, Total (as CaCO3)

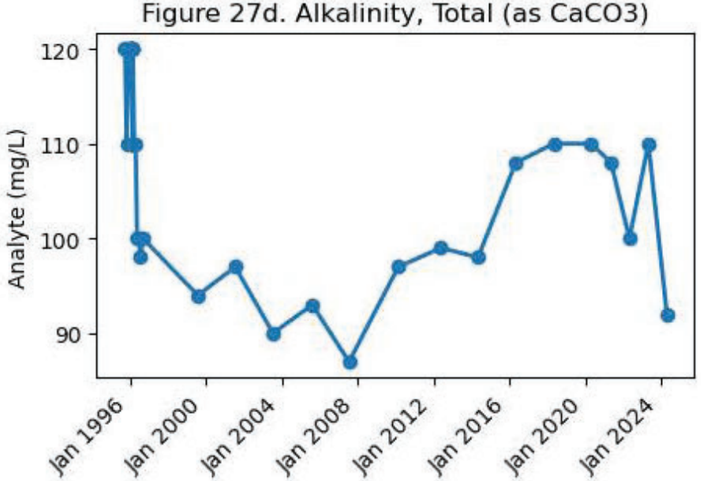


Figure 27e. Aluminum

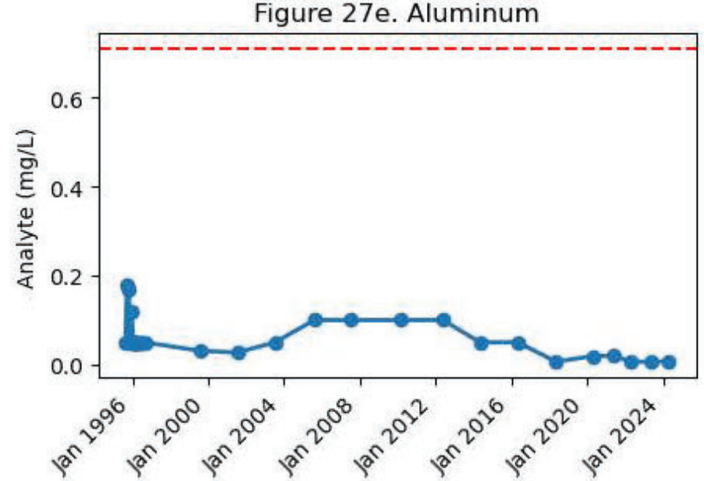


Figure 27f. Antimony

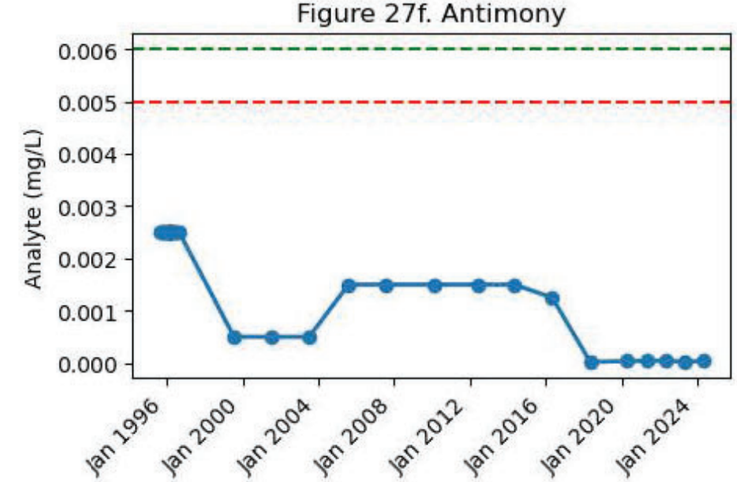


Figure 27g. Arsenic

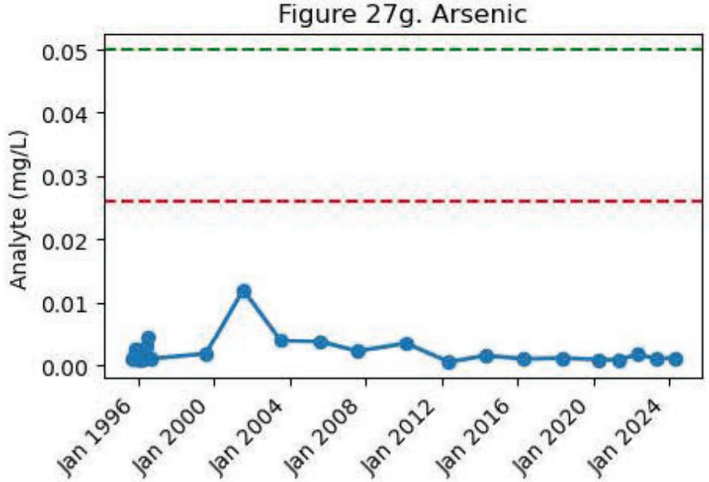
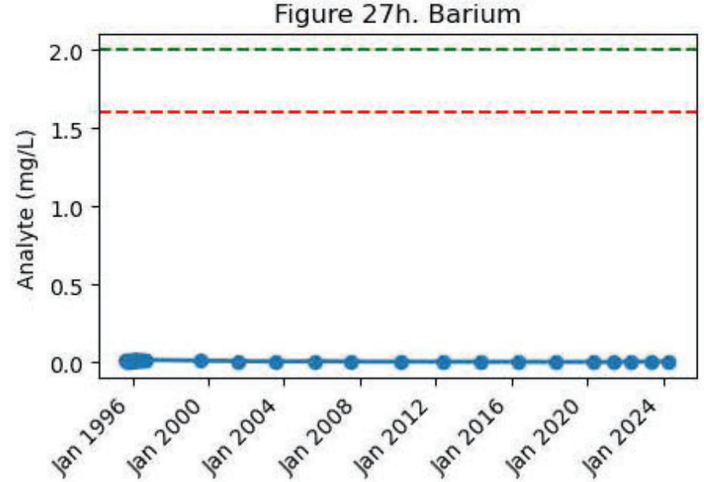


Figure 27h. Barium



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M7-GL Quarterly Analyte Graphs

Figure 27i. Benzene

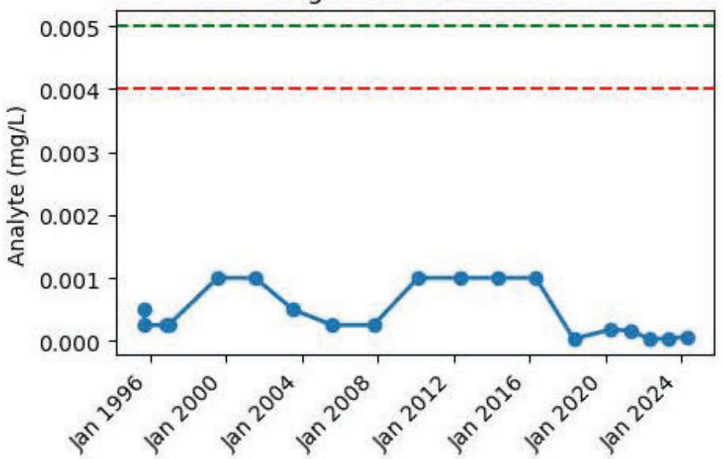


Figure 27j. Beryllium

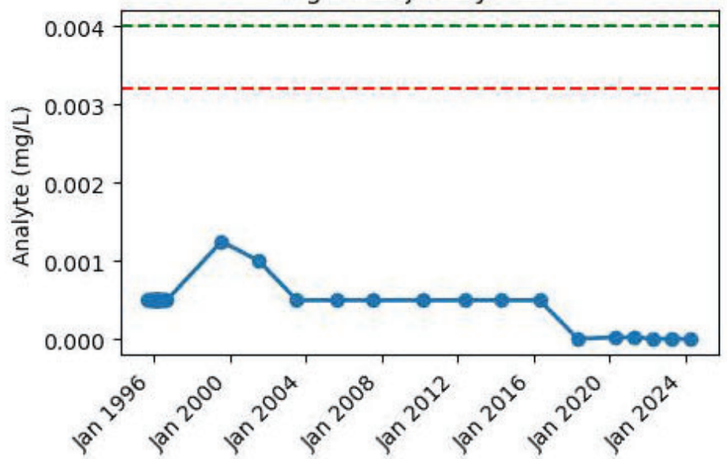


Figure 27k. Cadmium

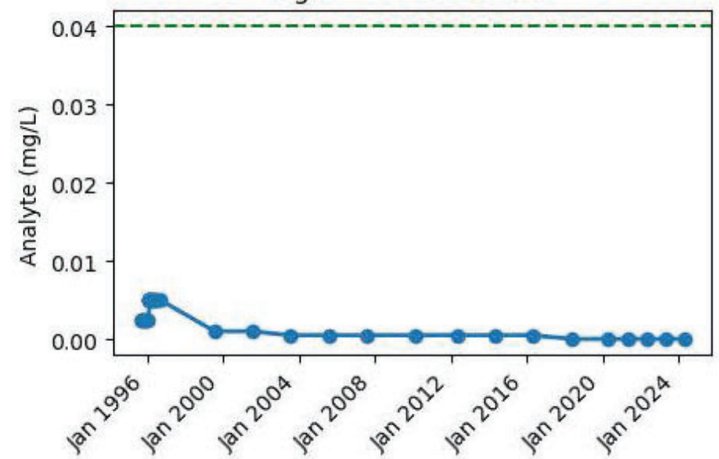


Figure 27l. Calcium

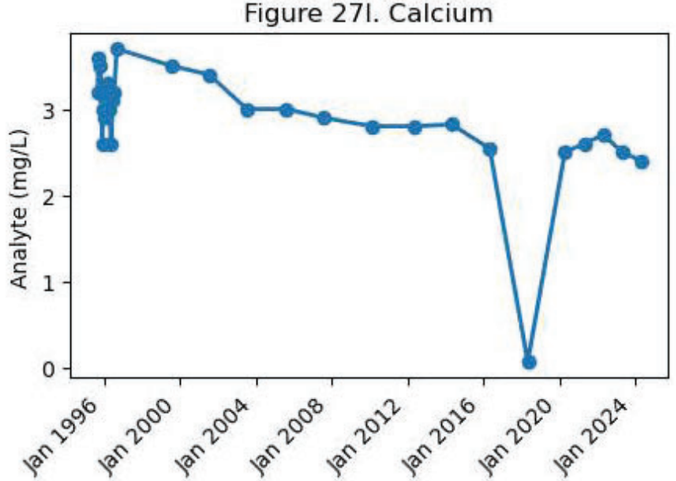


Figure 27m. Chloride

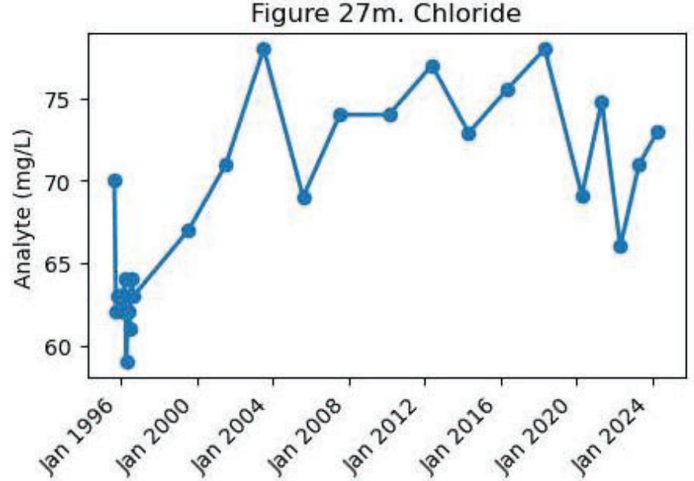


Figure 27n. Chromium

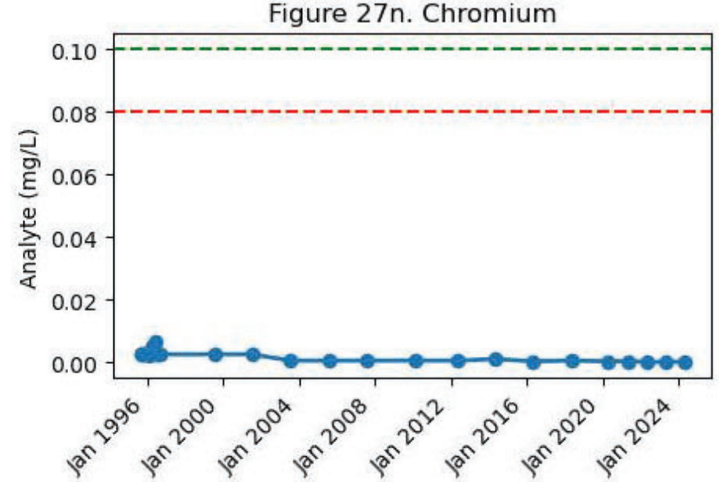


Figure 27o. Cobalt

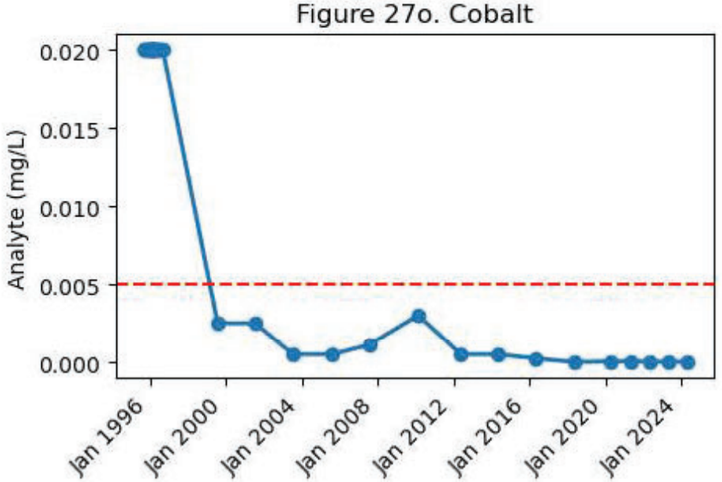
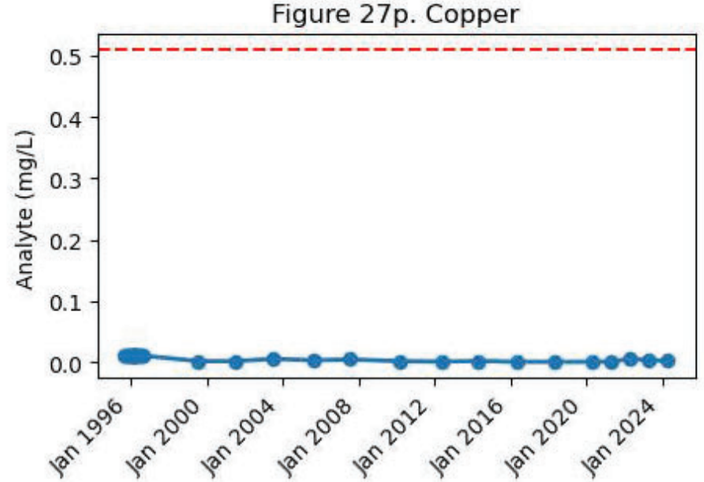


Figure 27p. Copper



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M7-GL Quarterly Analyte Graphs

Figure 27q. Ethylbenzene

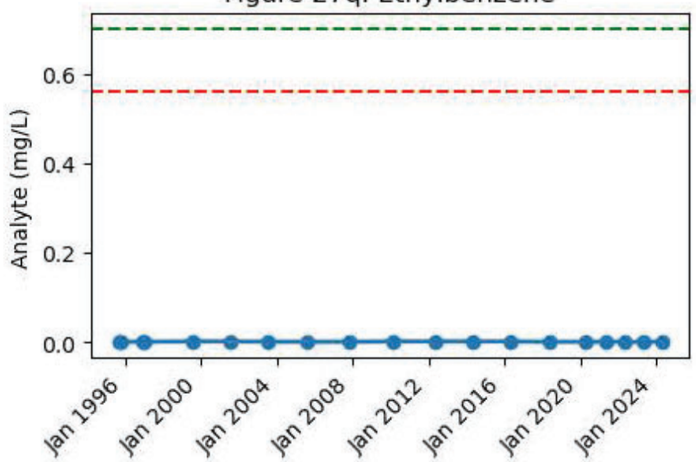


Figure 27r. Fluoride

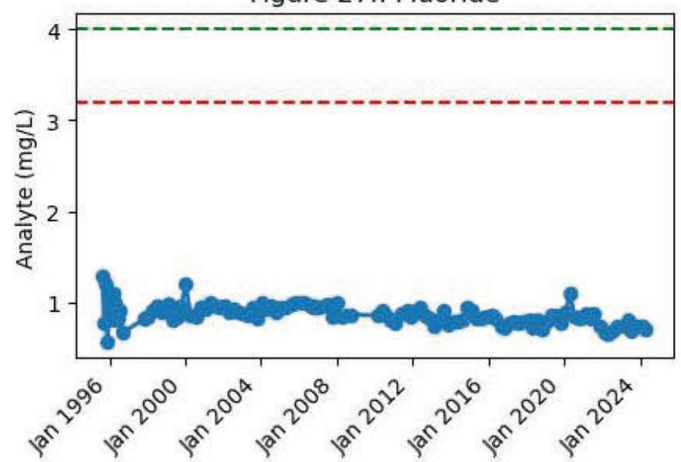


Figure 27s. Gross Alpha Analytes

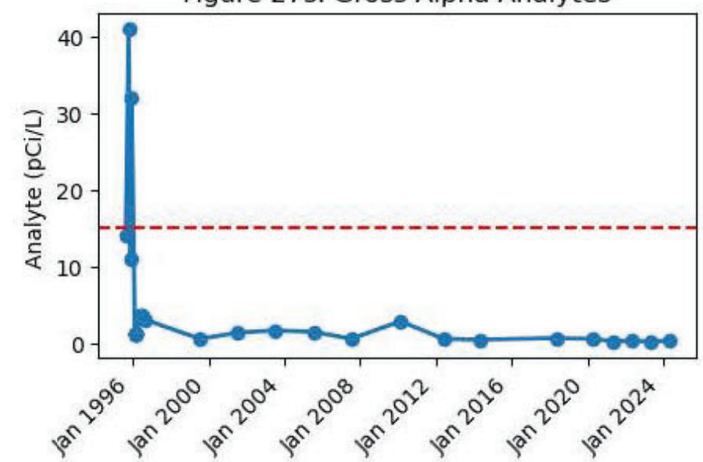


Figure 27t. Iron

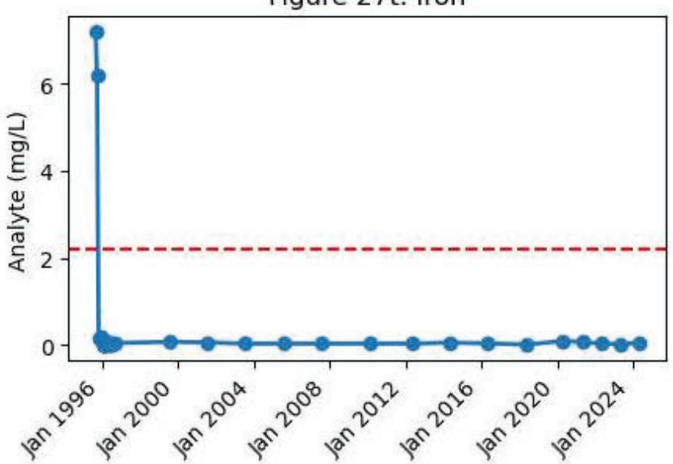


Figure 27u. Lead

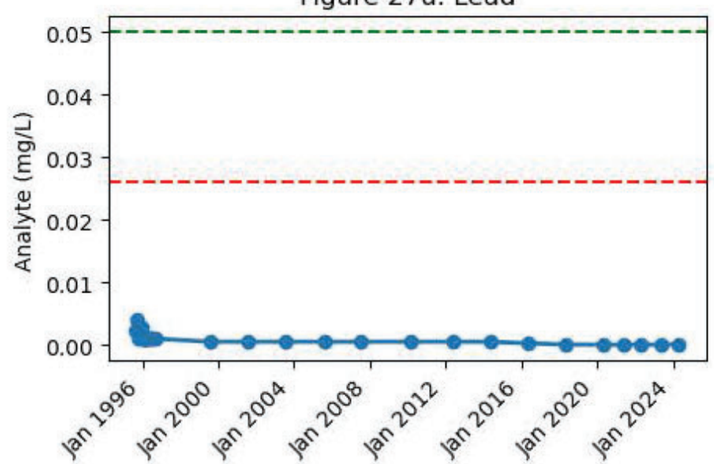


Figure 27v. Magnesium

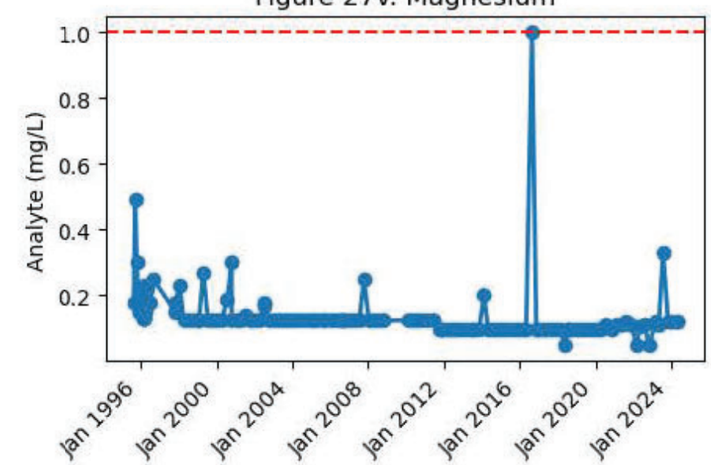


Figure 27w. Manganese

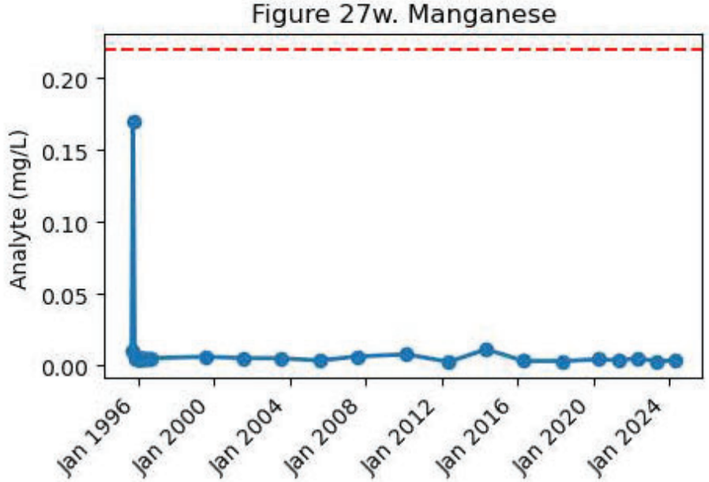
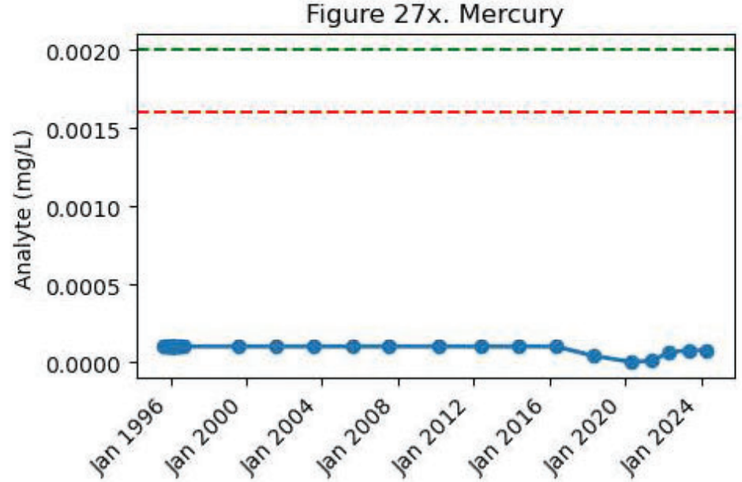


Figure 27x. Mercury



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M7-GL Quarterly Analyte Graphs

Figure 27y. Nickel

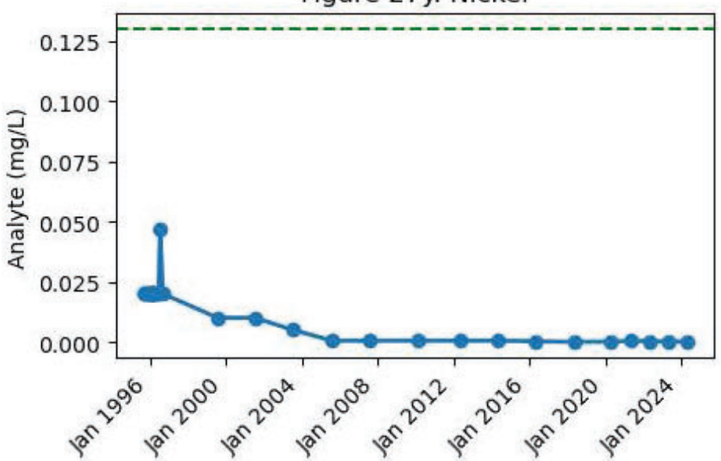


Figure 27z. Nitrate (as N)

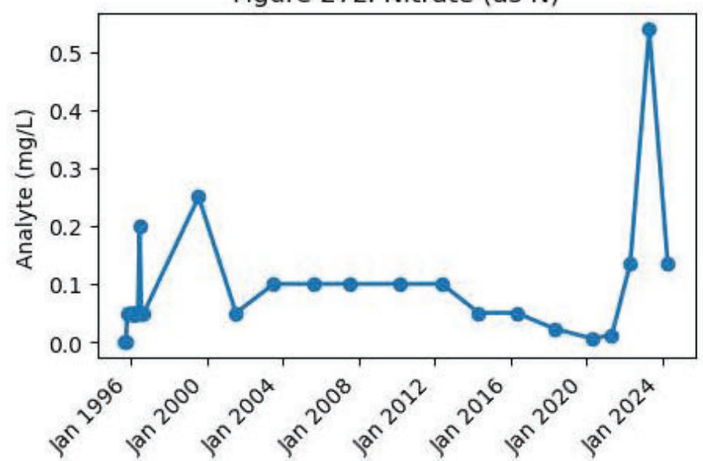


Figure 27aa. pH, Field

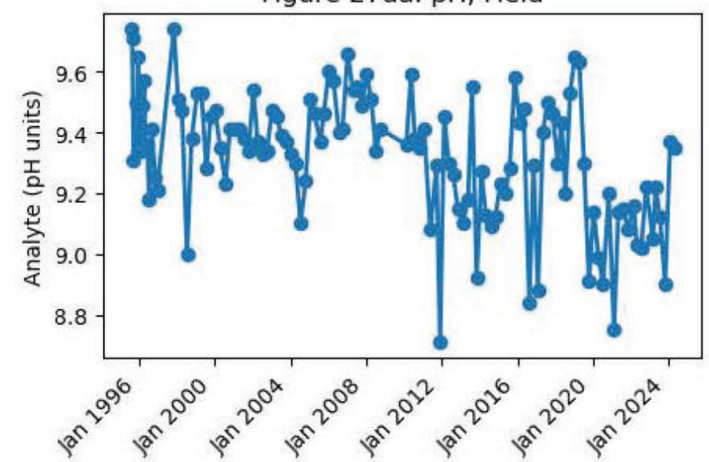


Figure 27ab. Potassium

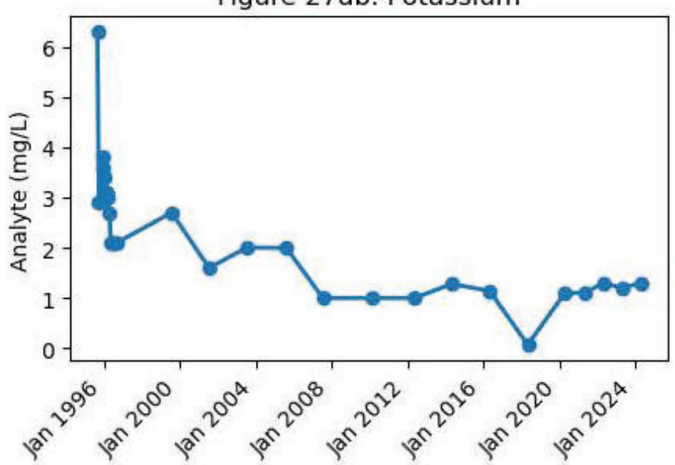


Figure 27ac. Radium-226 & 228

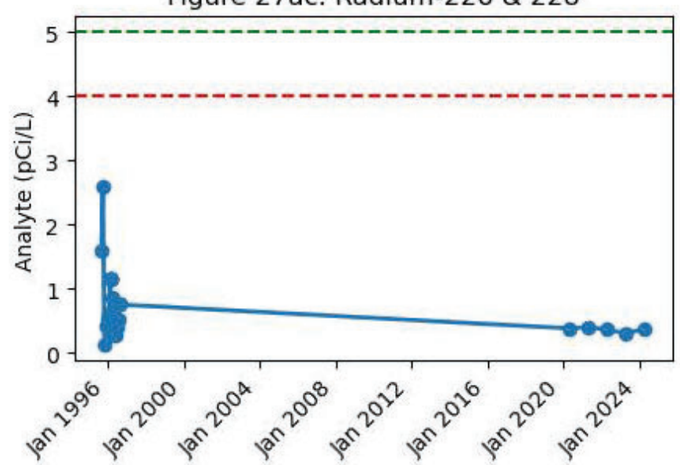


Figure 27ad. Selenium

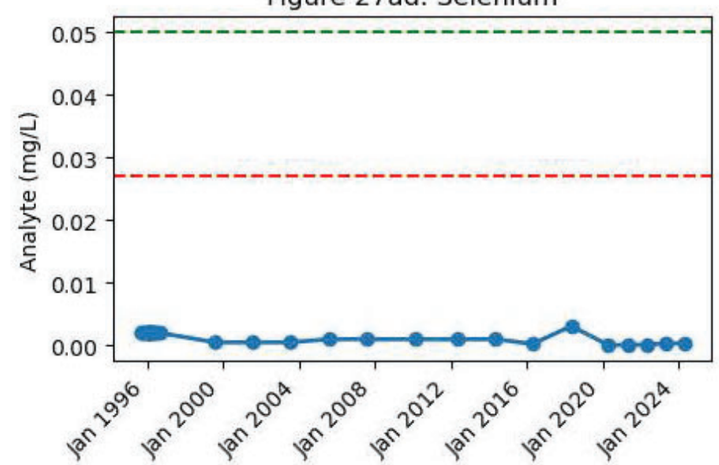


Figure 27ae. Sodium

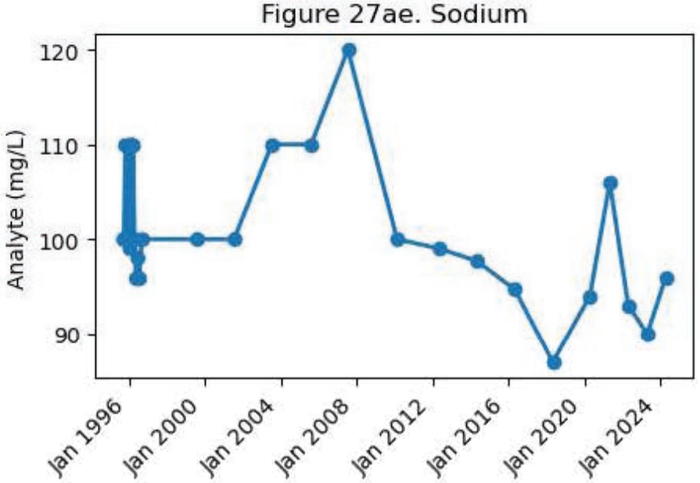
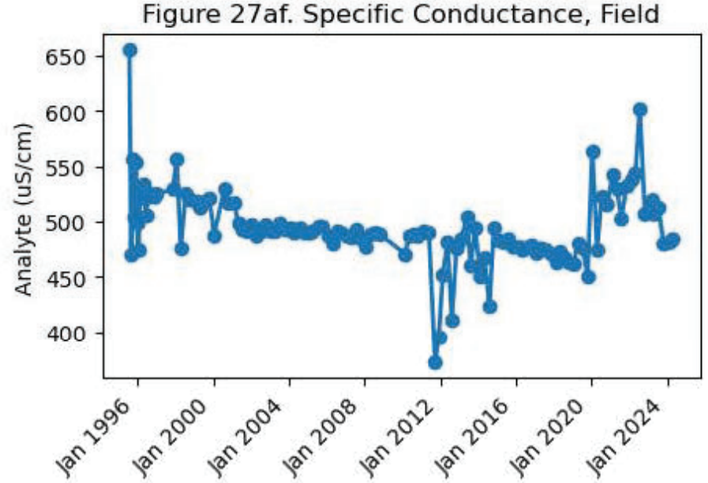


Figure 27af. Specific Conductance, Field



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M7-GL Quarterly Analyte Graphs

Figure 27ag. Sulfate

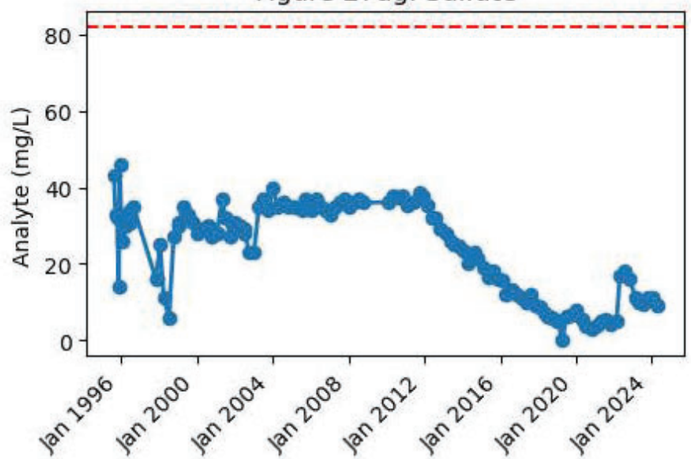


Figure 27ah. Temperature, Field

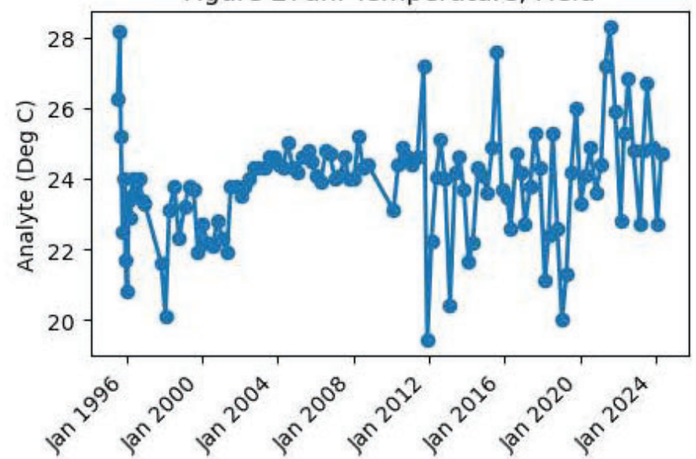


Figure 27ai. Thallium

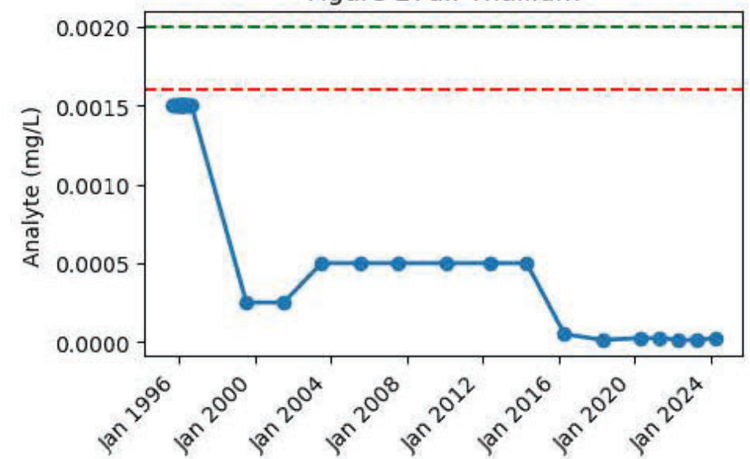


Figure 27aj. Toluene

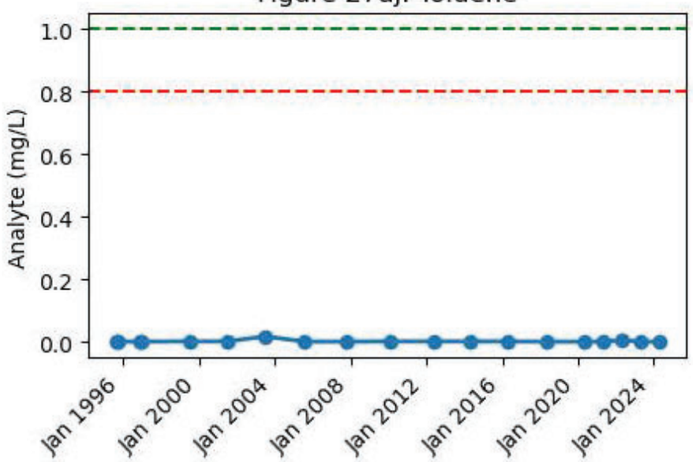


Figure 27ak. Total Dissolved Solids (TDS)

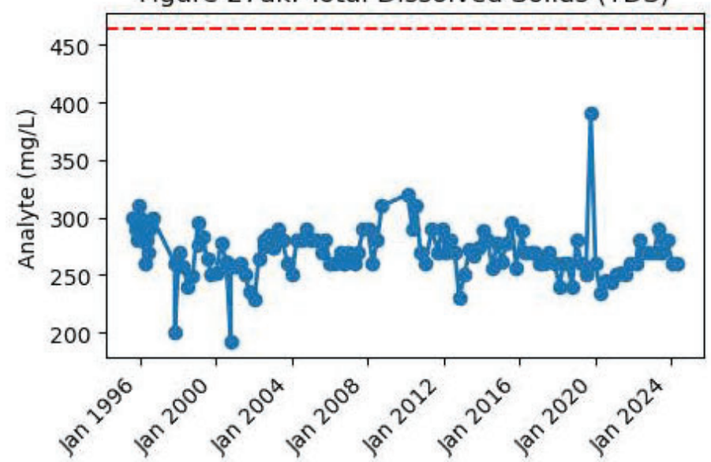


Figure 27al. Total Petroleum Hydrocarbons (C10-C22) Diesel

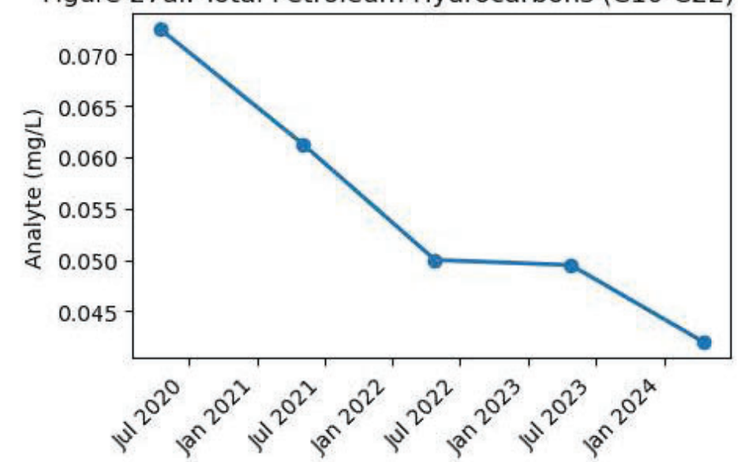


Figure 27am. Turbidity, Field

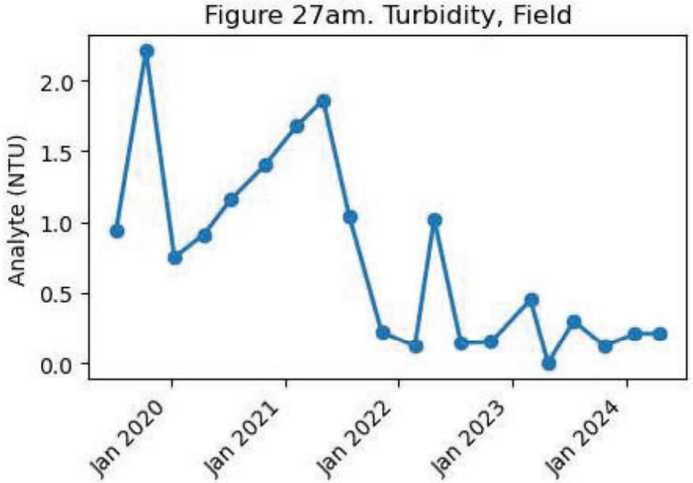
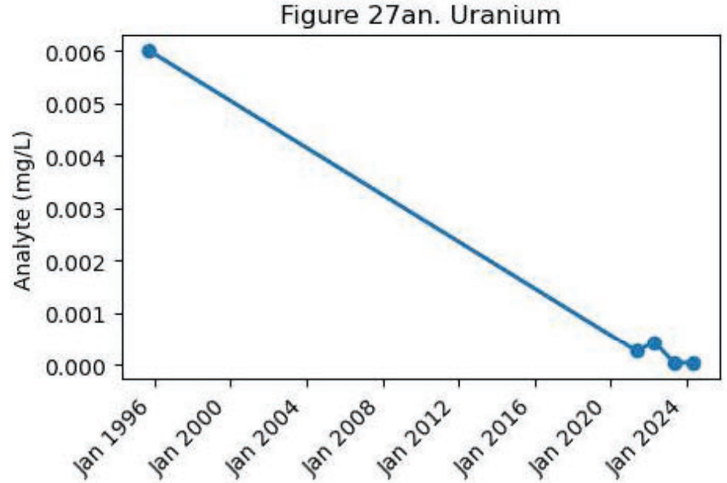


Figure 27an. Uranium



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M7-GL Quarterly Analyte Graphs

Figure 27ao. Xylene (Total)

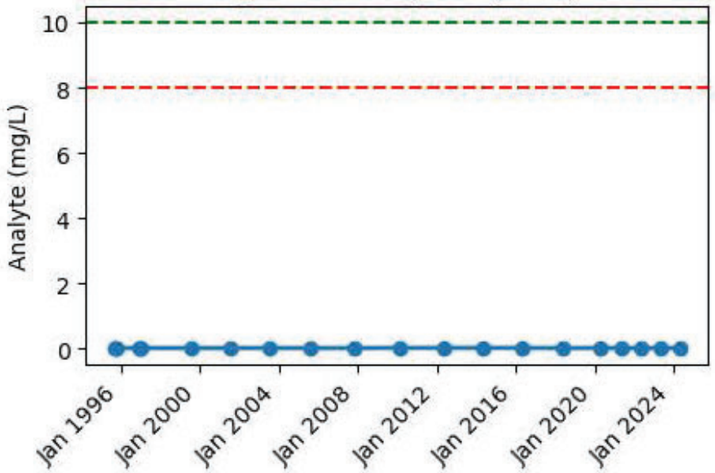


Figure 27ap. Zinc

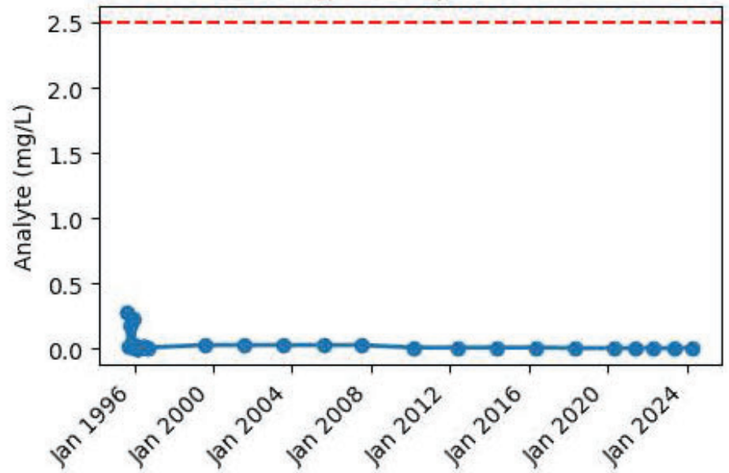


Figure 27aq. Total Uranium Isotopes

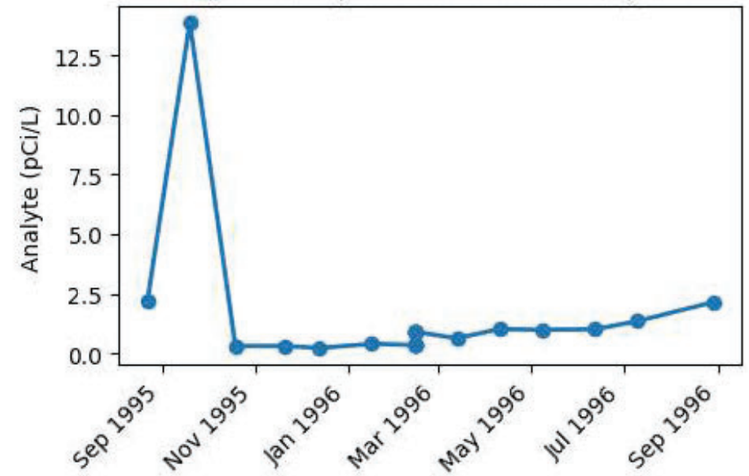
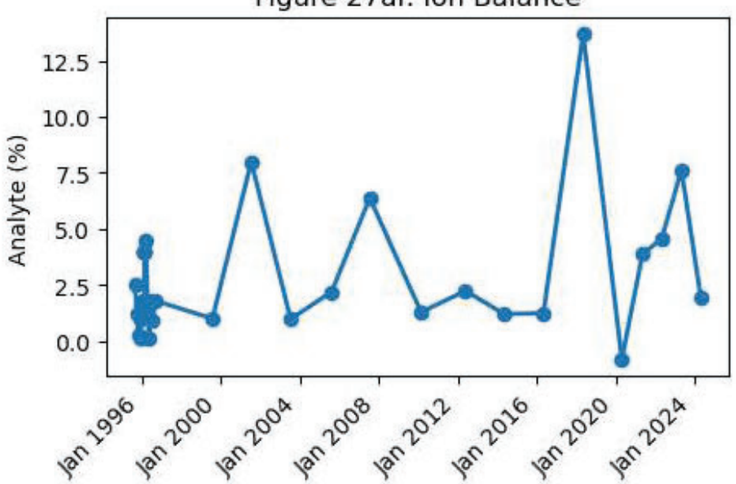


Figure 27ar. Ion Balance



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M8-O Quarterly Analyte Graphs

Figure 28a. Alkalinity, Bicarbonate

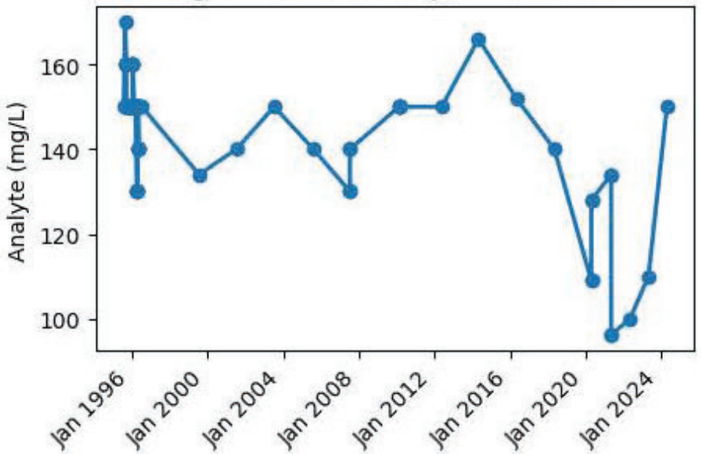

Figure 28b. Alkalinity, Carbonate

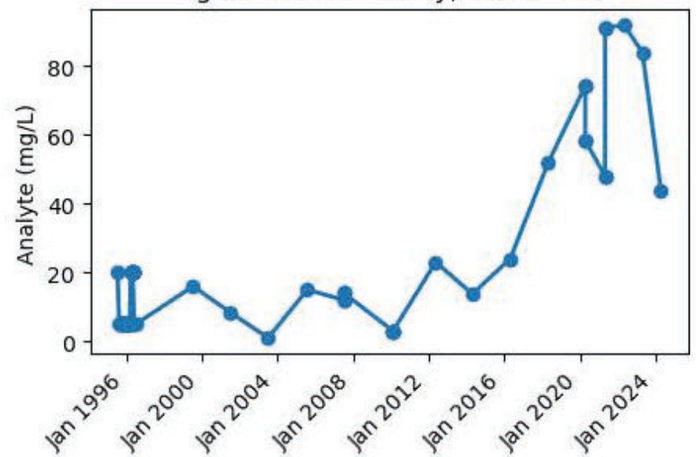

Figure 28c. Alkalinity, Hydroxide

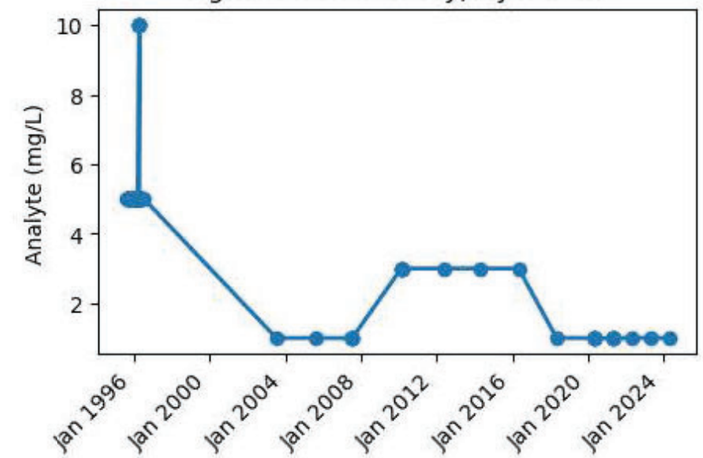

Figure 28d. Alkalinity, Total (as CaCO3)

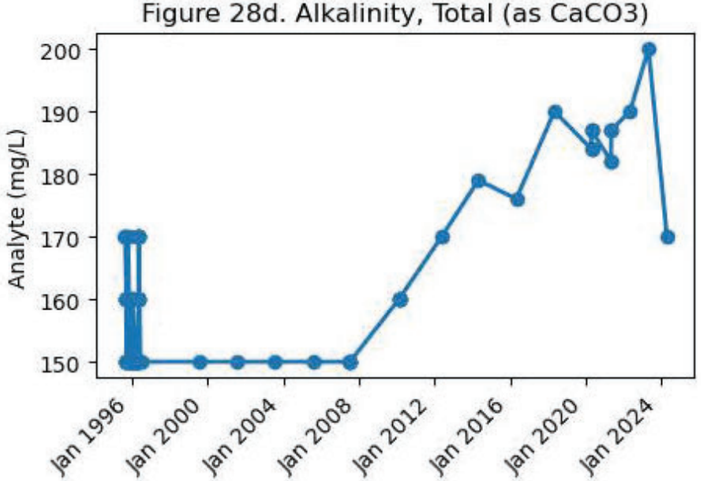

Figure 28e. Aluminum

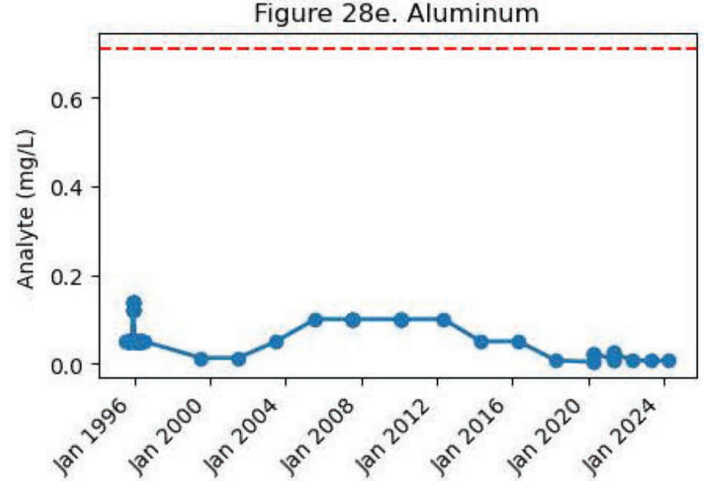

Figure 28f. Antimony

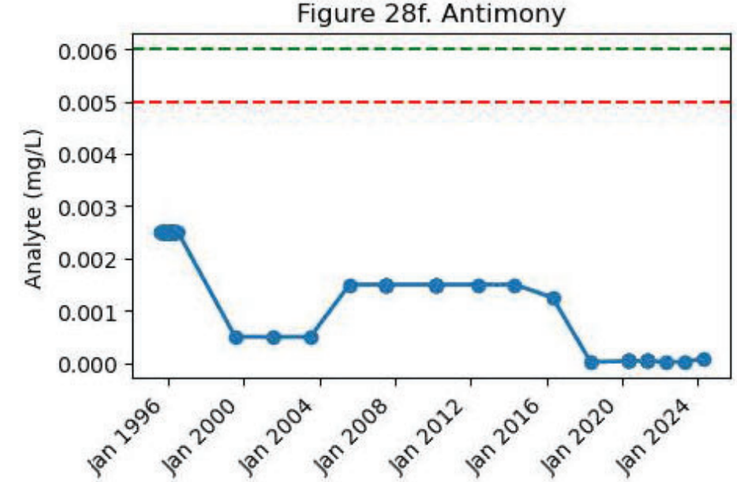

Figure 28g. Arsenic

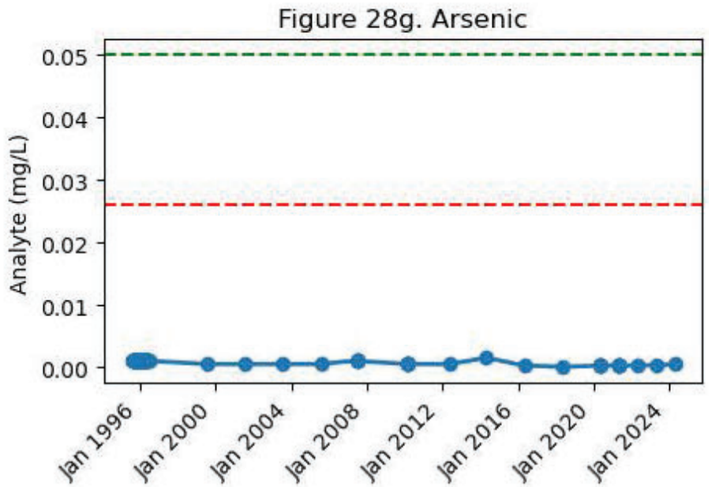

Figure 28h. Barium

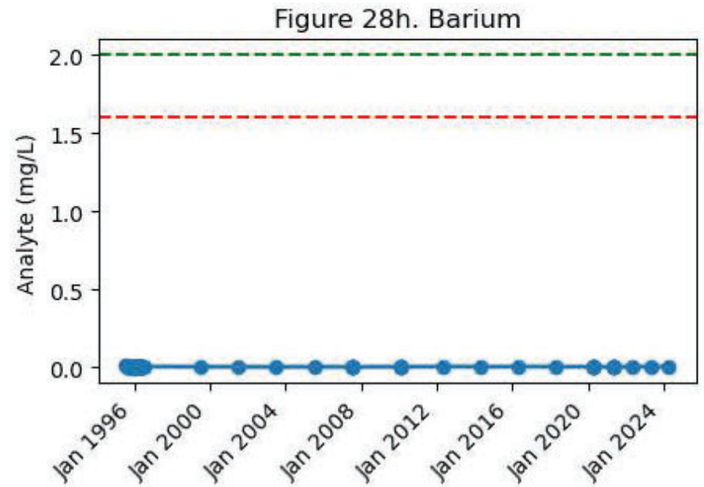

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Figure 28i. Benzene

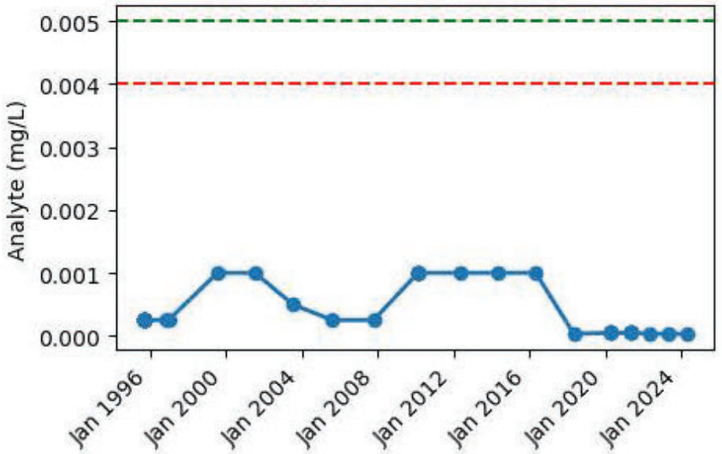

Figure 28j. Beryllium

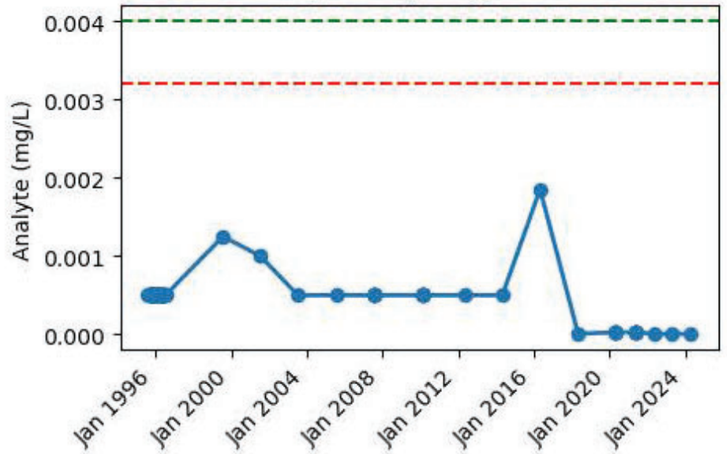

Figure 28k. Cadmium

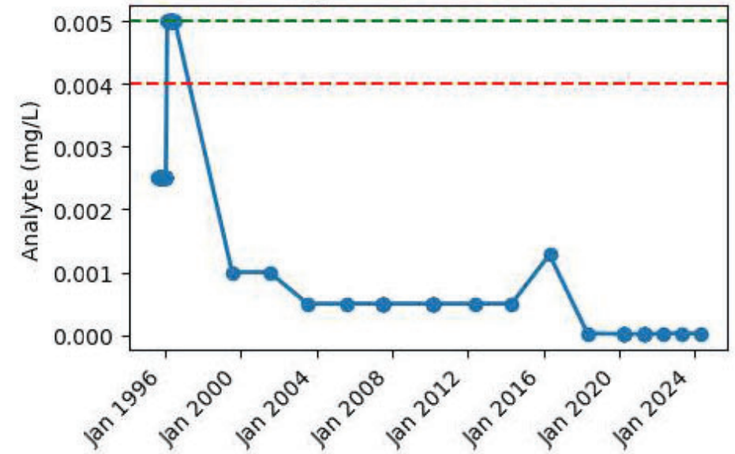

Figure 28l. Calcium

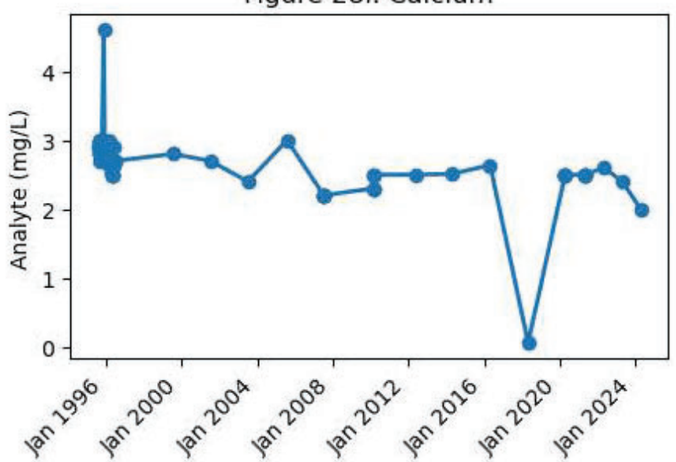

Figure 28m. Chloride

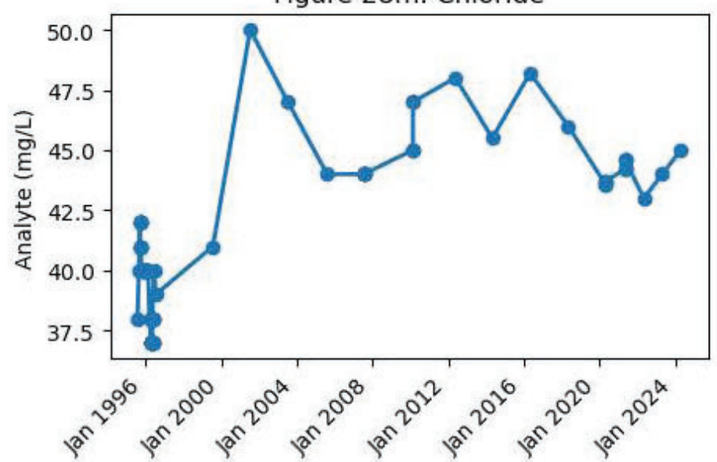

Figure 28n. Chromium

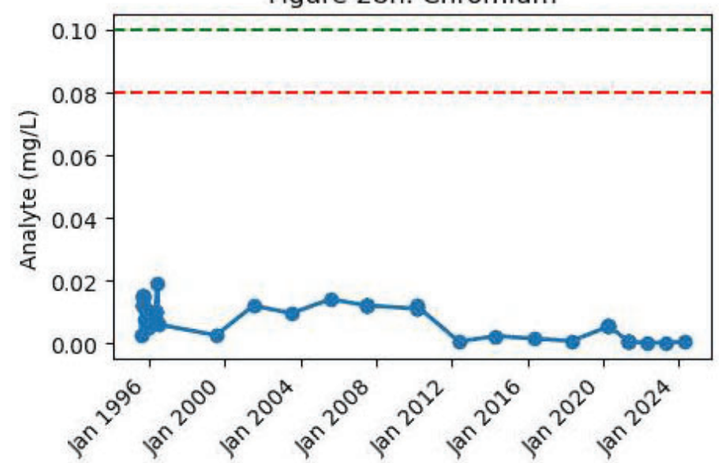

Figure 28o. Cobalt

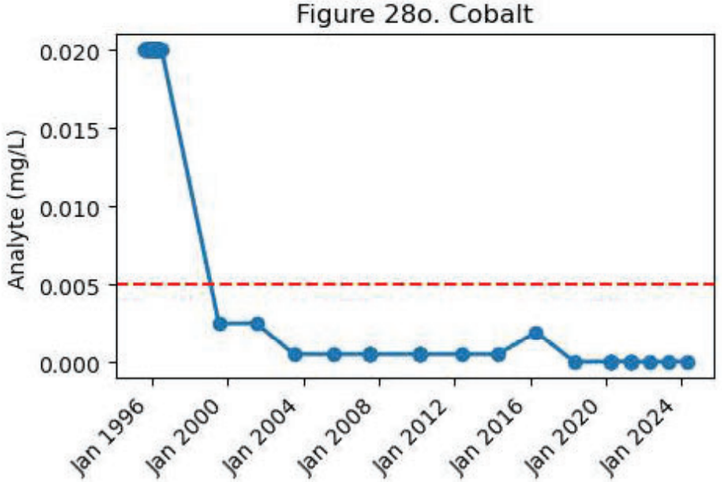

Figure 28p. Copper

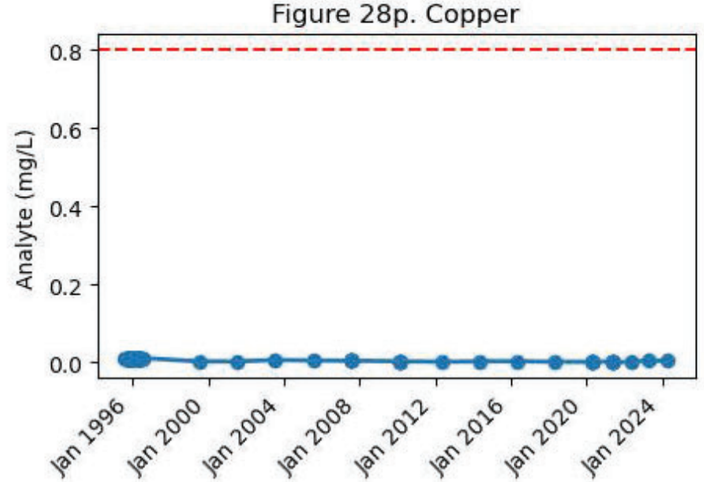

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Figure 28q. Ethylbenzene

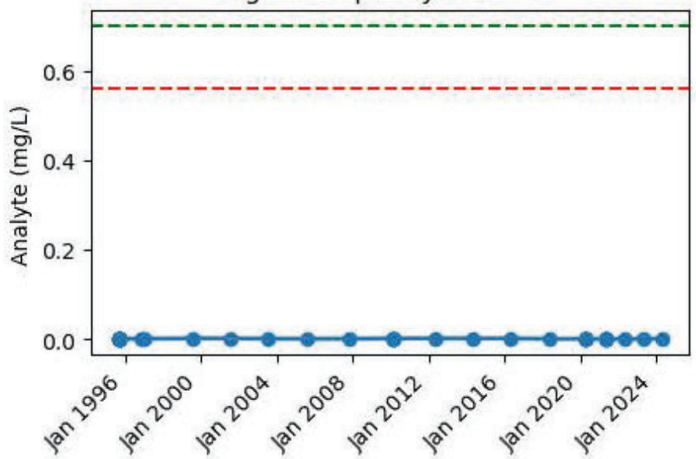

Figure 28r. Fluoride

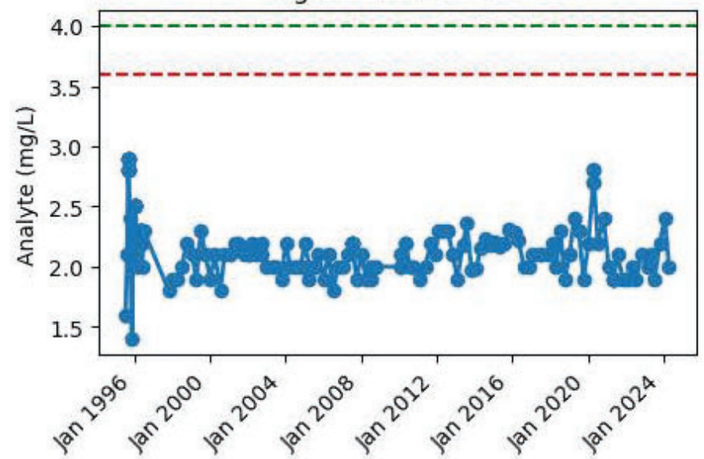

Figure 28s. Gross Alpha Analytes

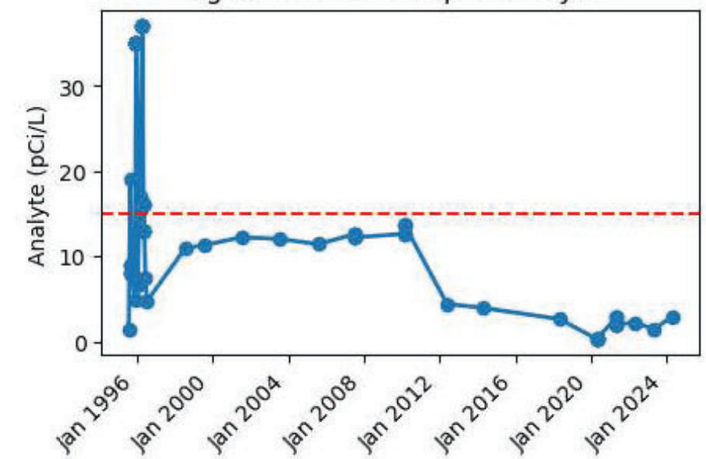

Figure 28t. Iron

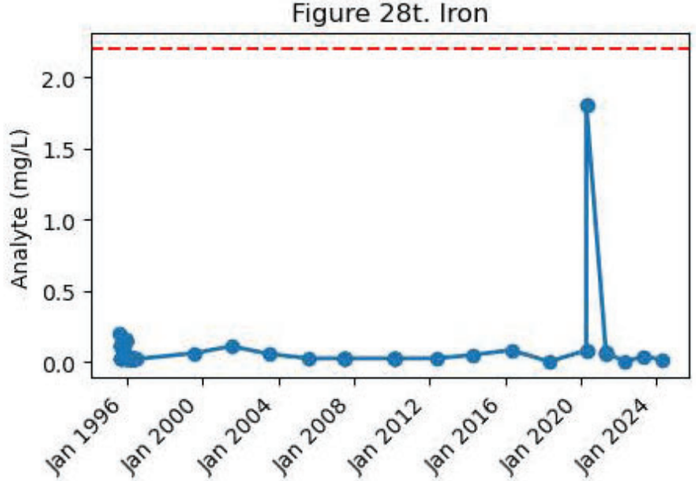

Figure 28u. Lead

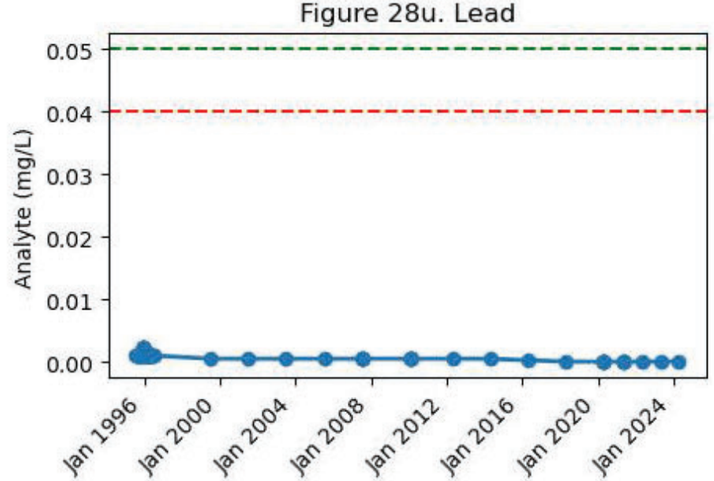

Figure 28v. Magnesium

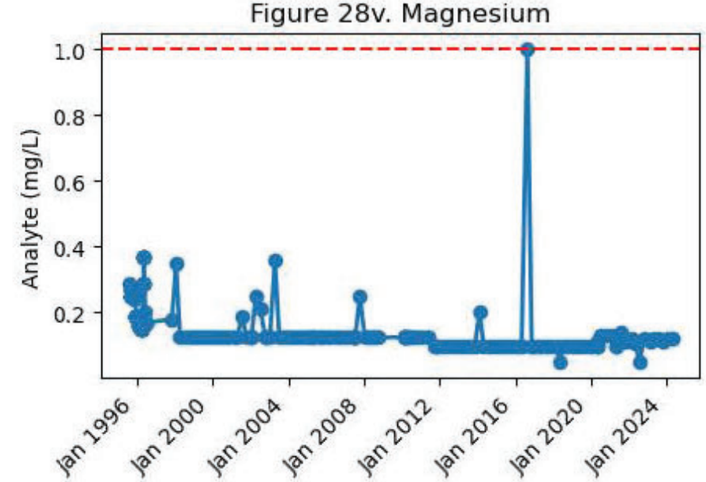

Figure 28w. Manganese

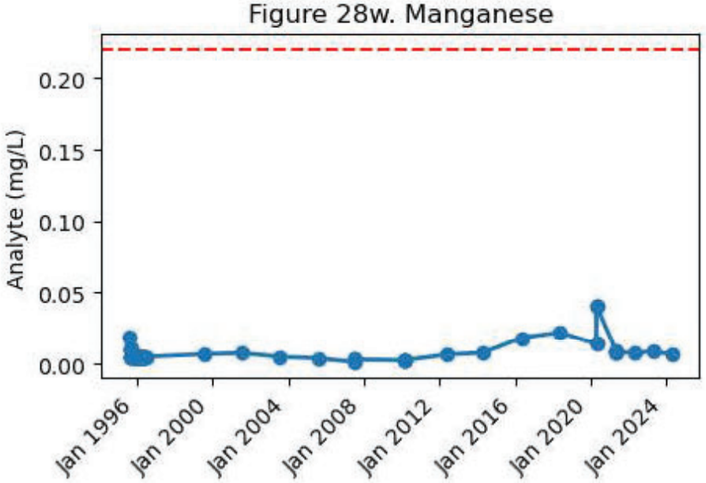

Figure 28x. Mercury

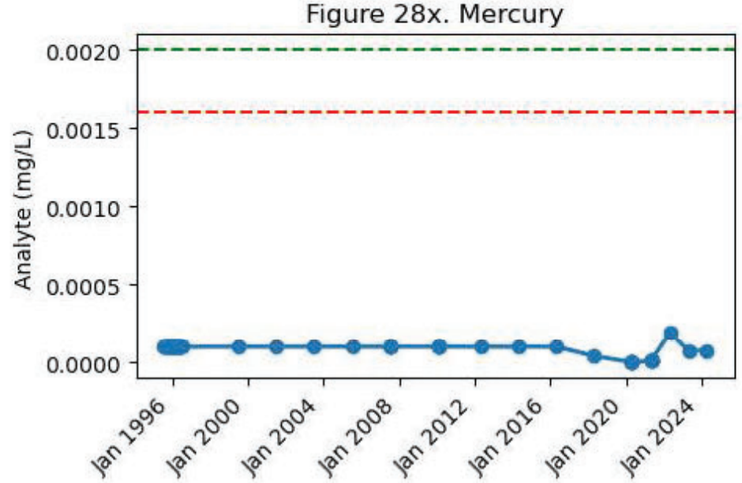

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Figure 28y. Nickel

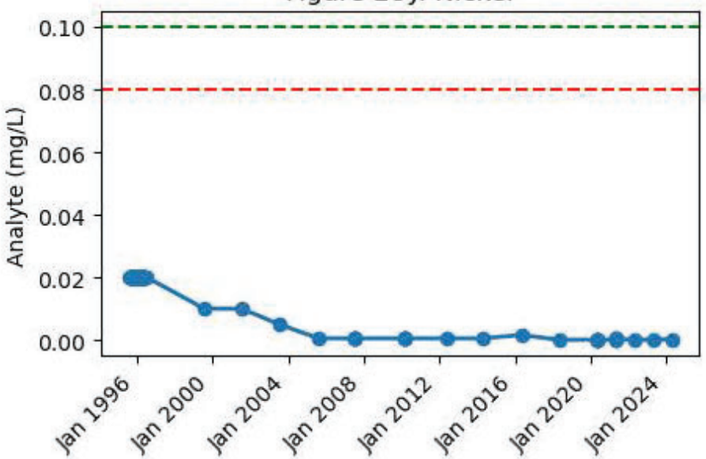

Figure 28z. Nitrate (as N)

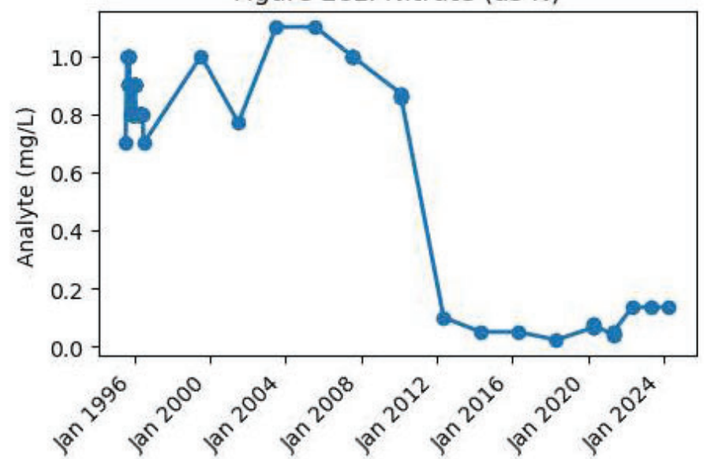

Figure 28aa. pH, Field

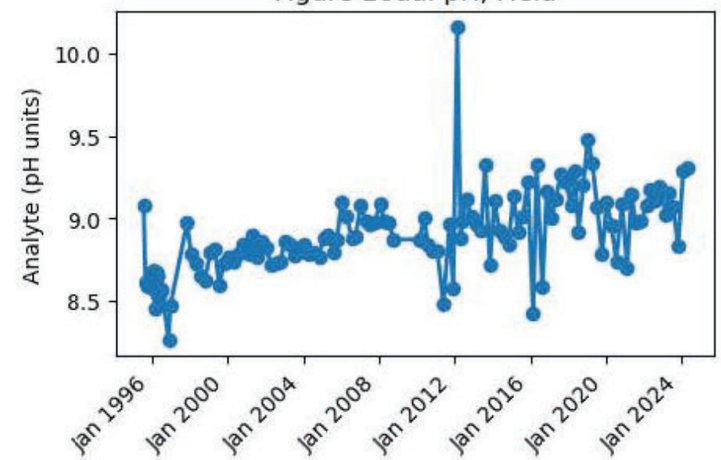

Figure 28ab. Potassium

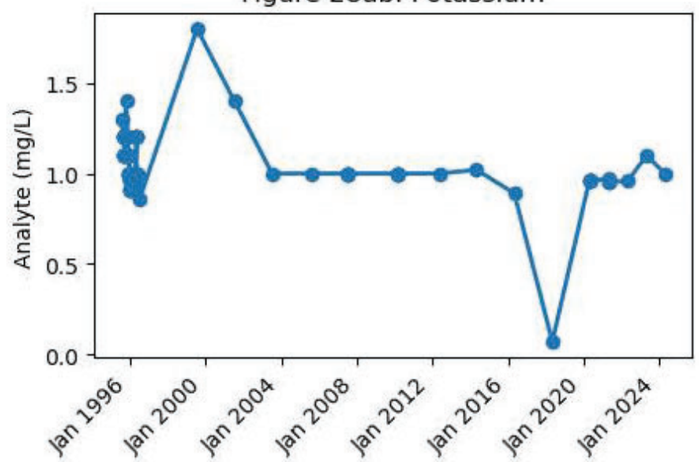

Figure 28ac. Radium-226 & 228

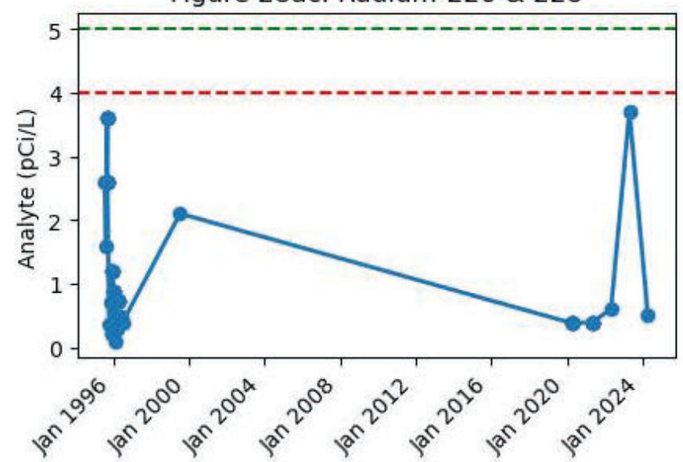

Figure 28ad. Selenium

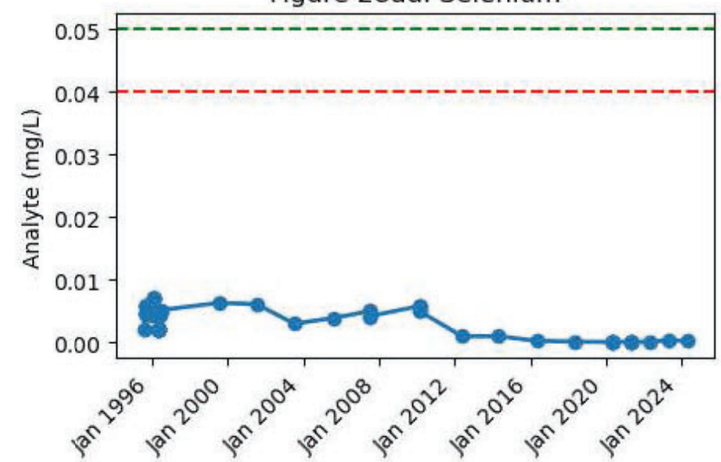

Figure 28ae. Sodium

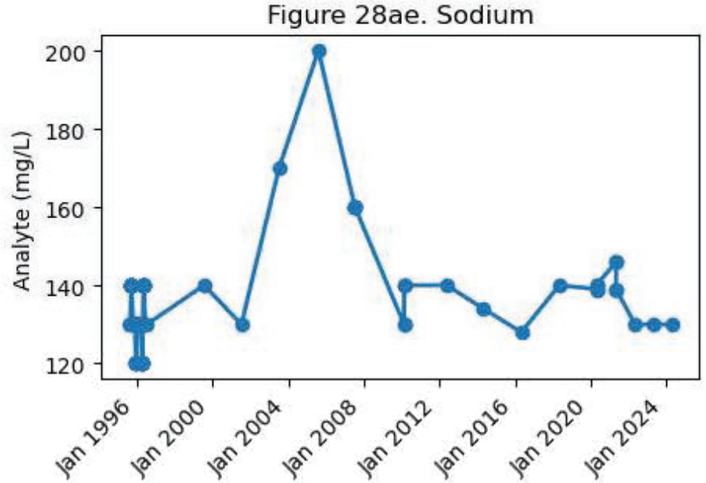

Figure 28af. Specific Conductance, Field

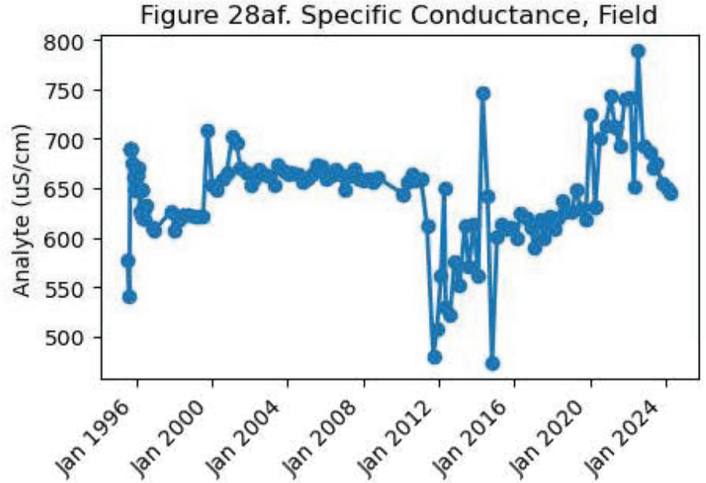

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Figure 28ag. Sulfate

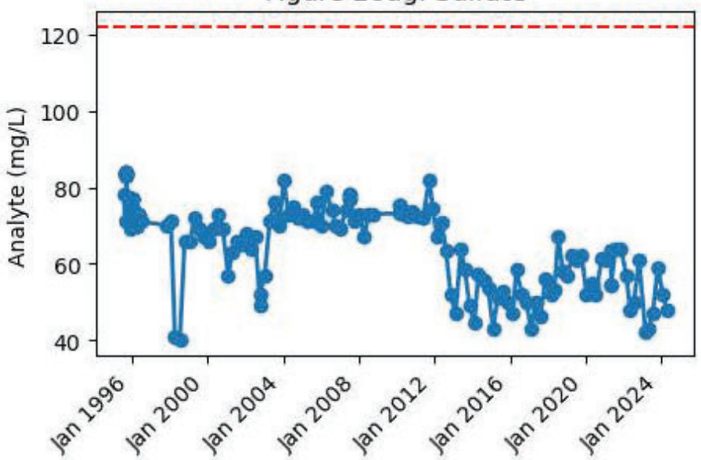


Figure 28ah. Temperature, Field

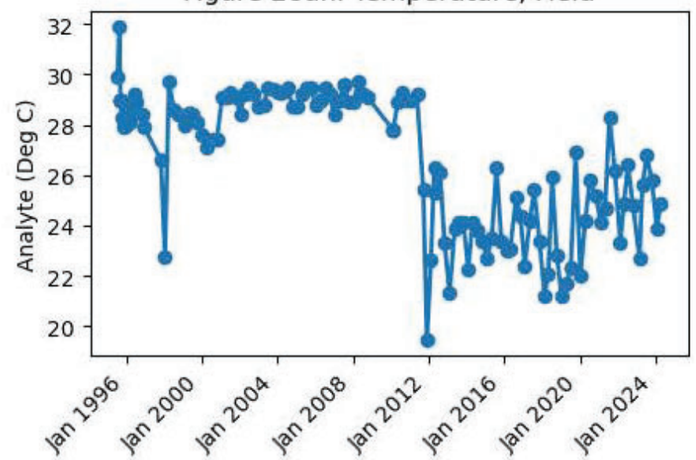


Figure 28ai. Thallium

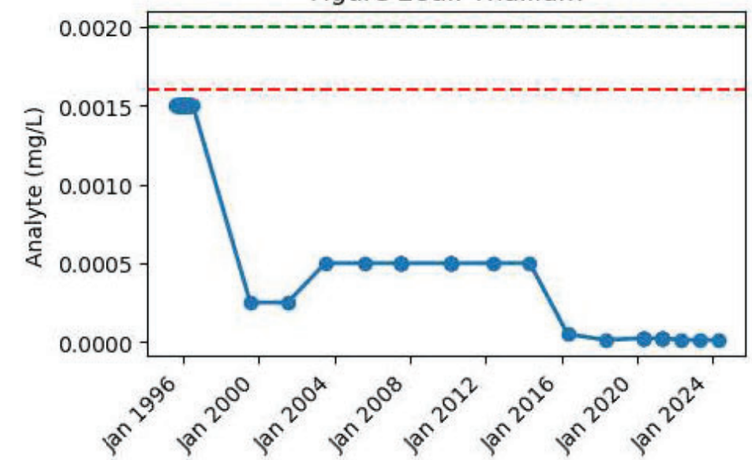


Figure 28aj. Toluene

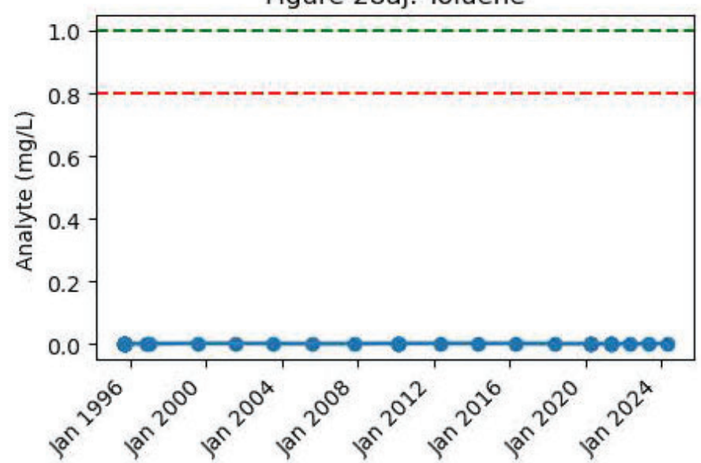


Figure 28ak. Total Dissolved Solids (TDS)

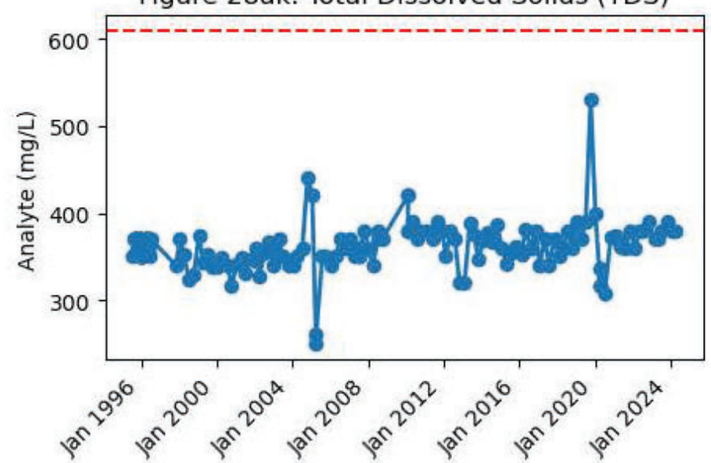


Figure 28al. Total Petroleum Hydrocarbons (C10-C22) Diesel

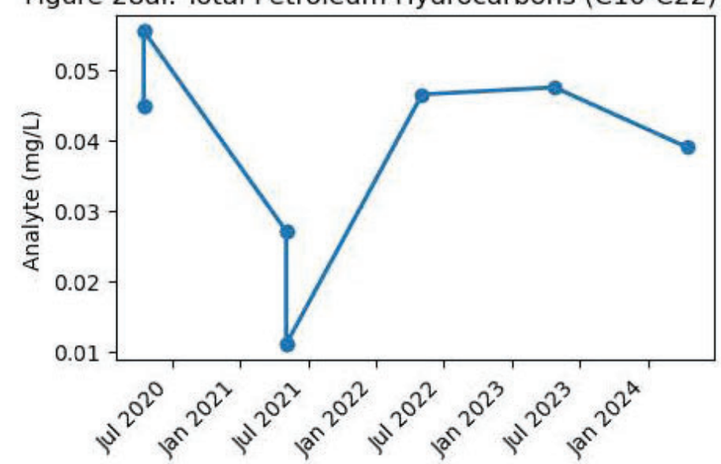


Figure 28am. Turbidity, Field

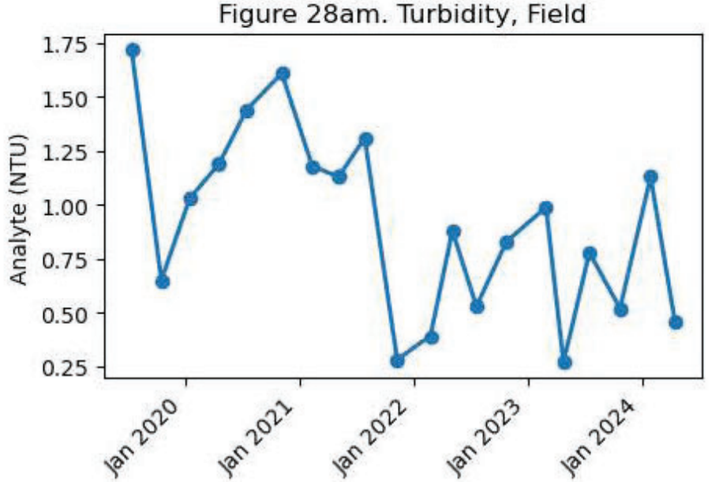
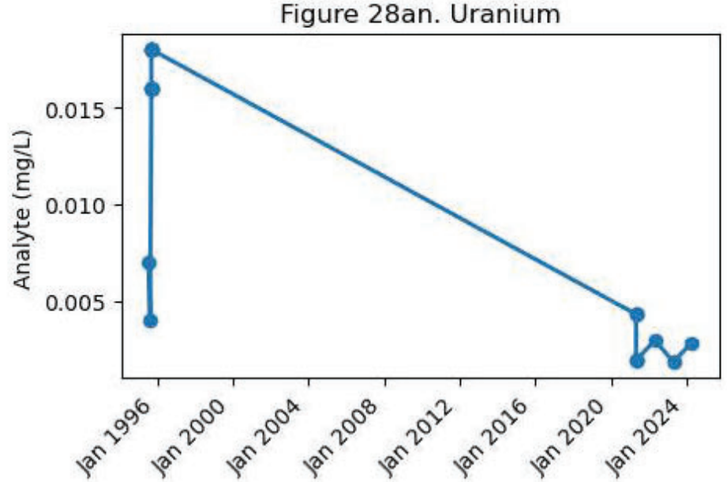


Figure 28an. Uranium



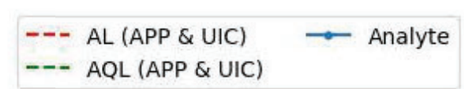


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Figure 28ao. Xylene (Total)

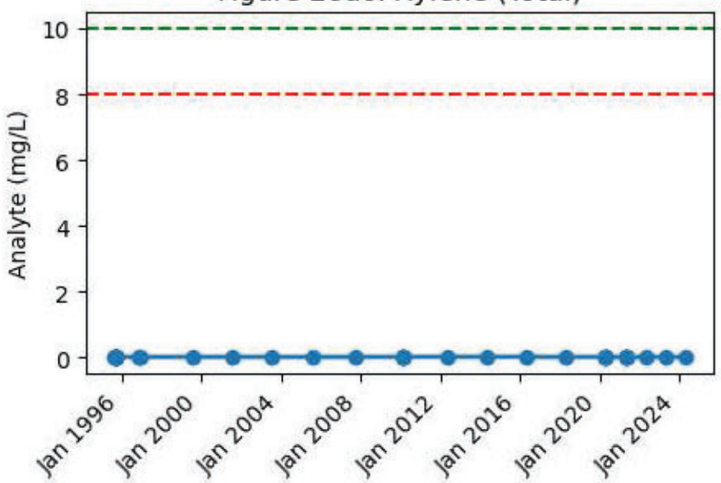

Figure 28ap. Zinc

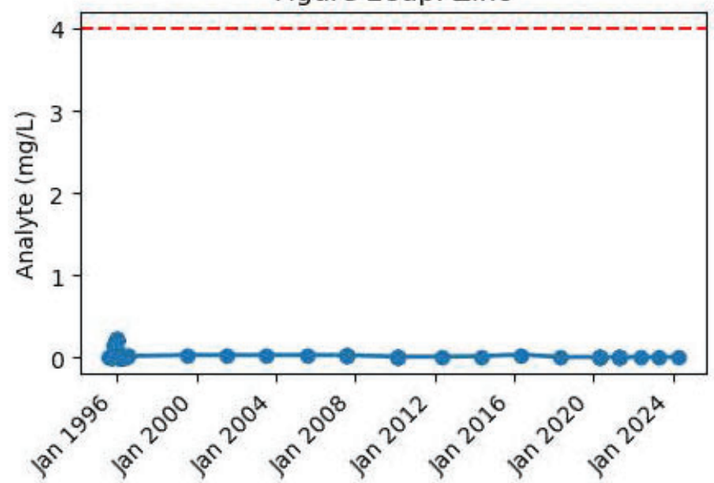

Figure 28aq. Total Uranium Isotopes

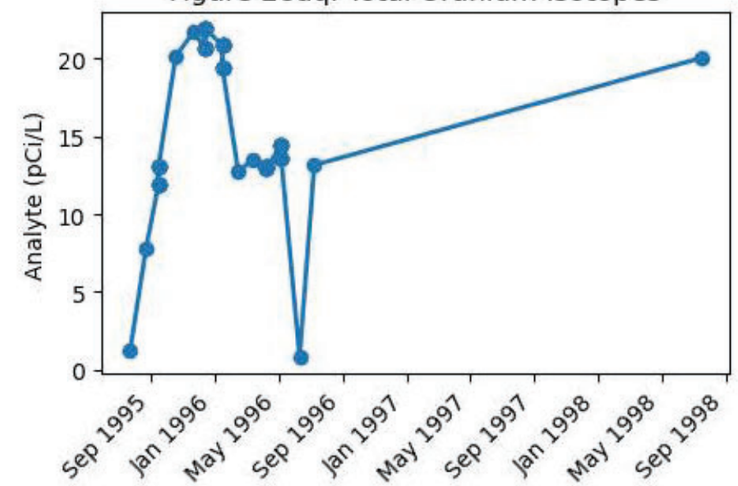

Figure 28ar. Ion Balance

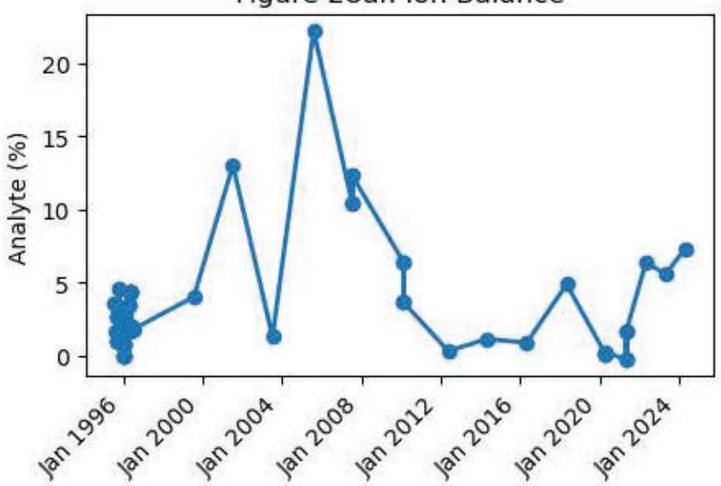

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Figure 29a. Alkalinity, Bicarbonate

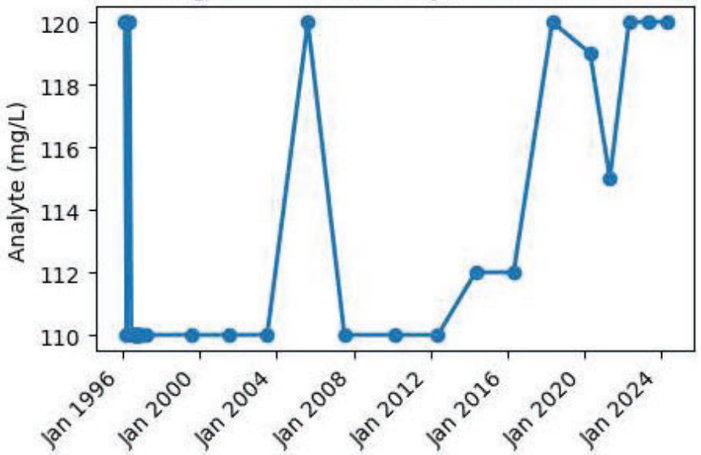

Figure 29b. Alkalinity, Carbonate

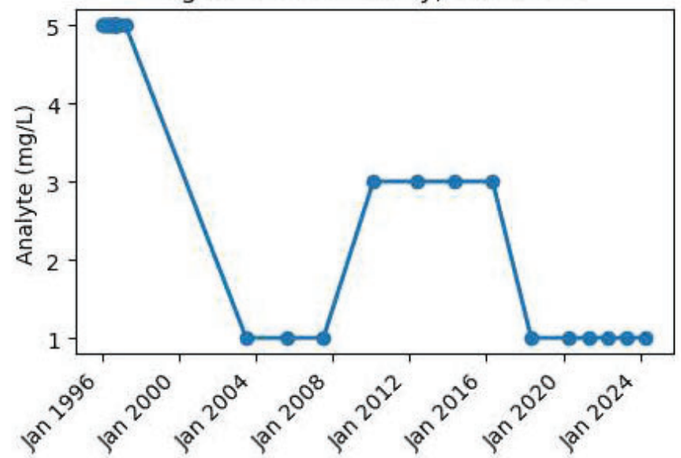

Figure 29c. Alkalinity, Hydroxide

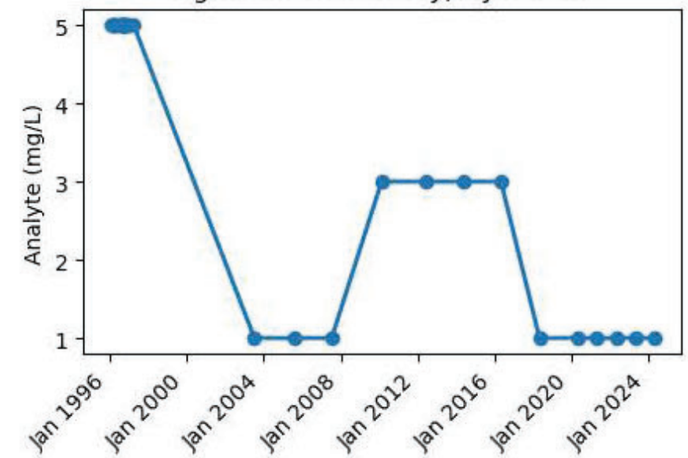

Figure 29d. Alkalinity, Total (as CaCO3)

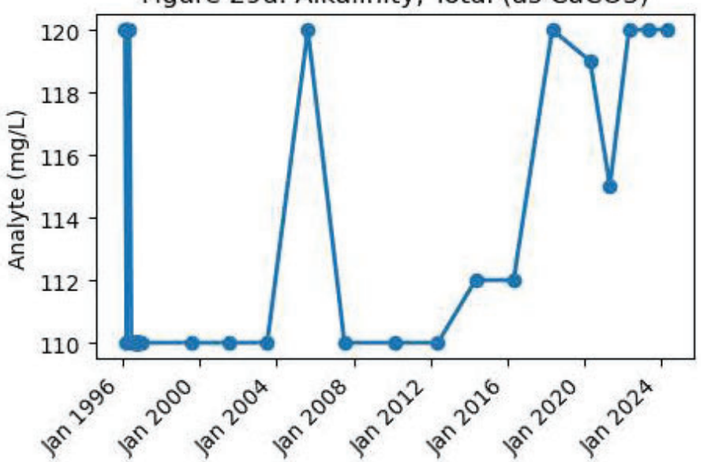

Figure 29e. Aluminum

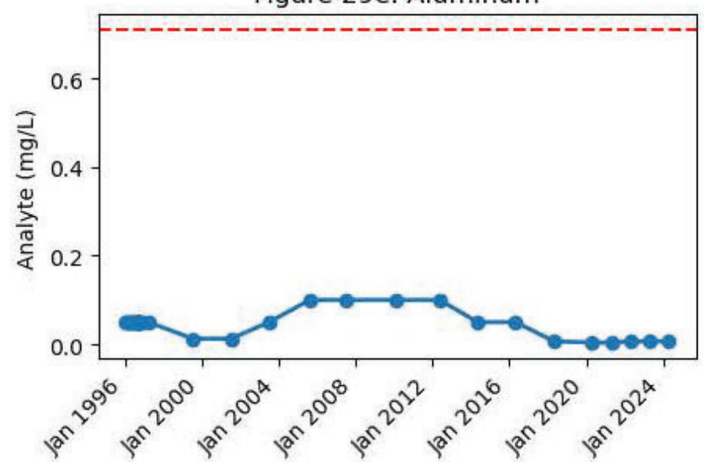

Figure 29f. Antimony

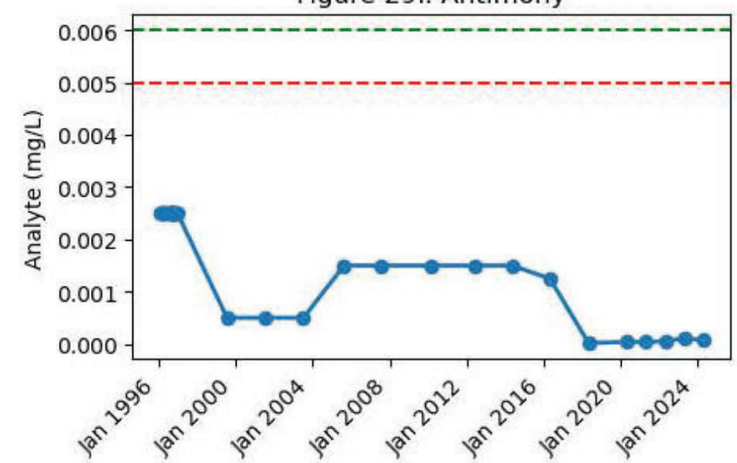

Figure 29g. Arsenic

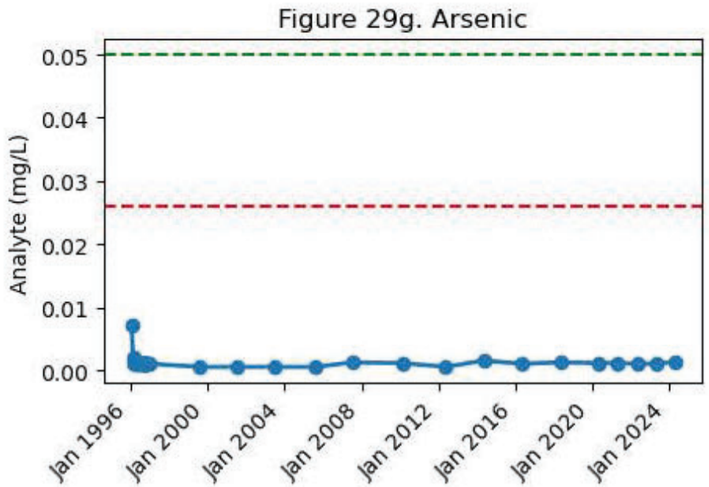

Figure 29h. Barium

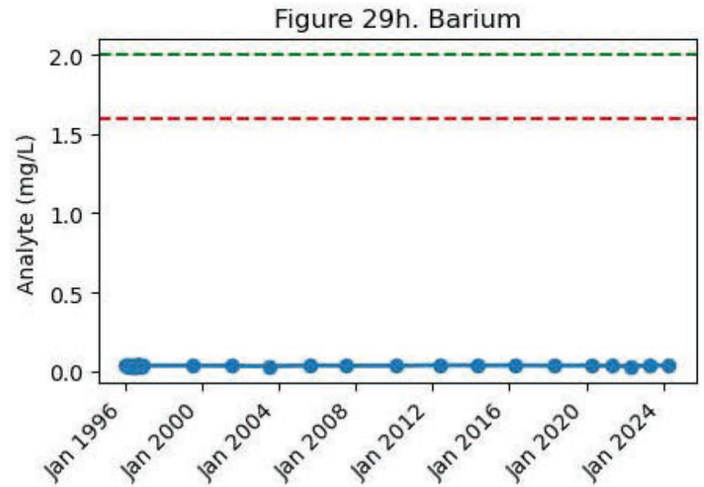

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Figure 29i. Benzene

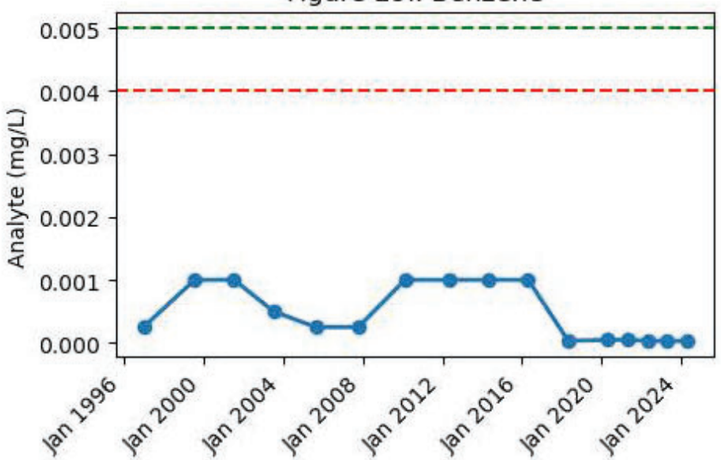

Figure 29j. Beryllium

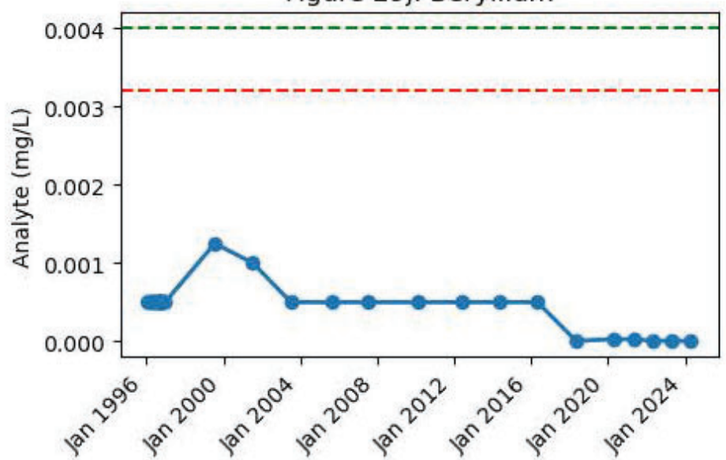

Figure 29k. Cadmium

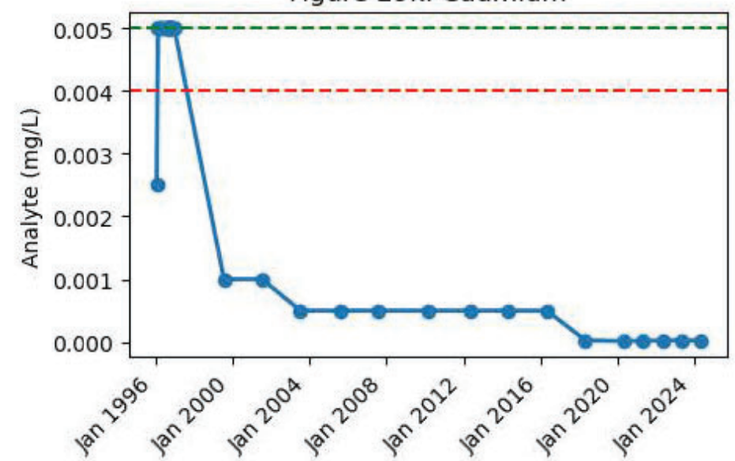

Figure 29l. Calcium

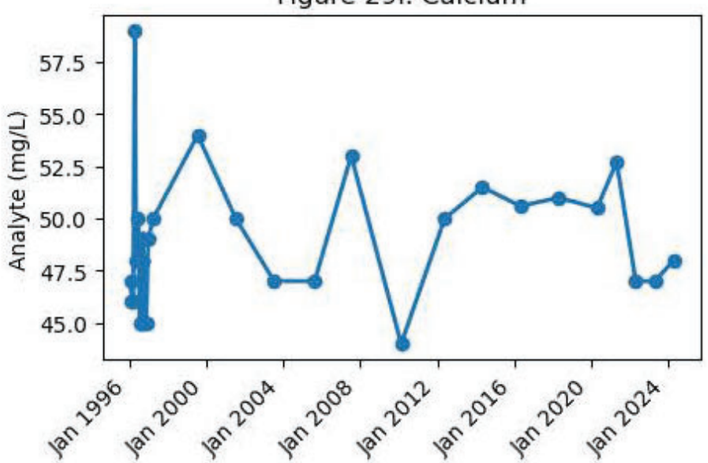

Figure 29m. Chloride

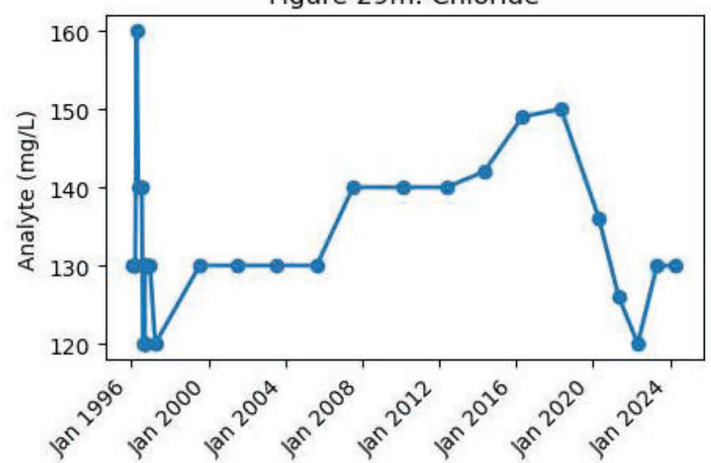

Figure 29n. Chromium

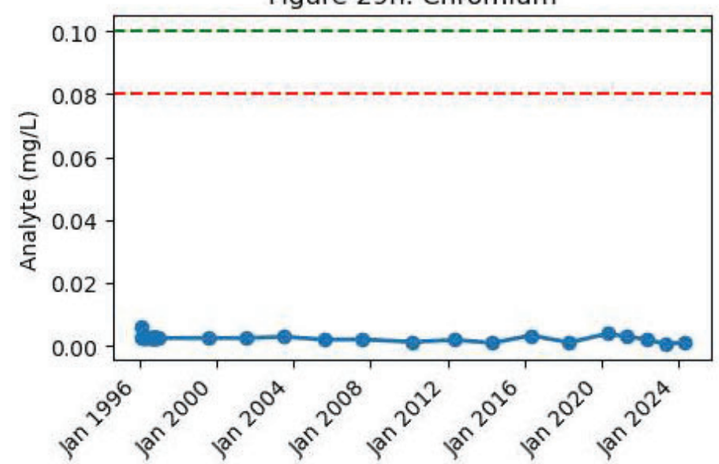

Figure 29o. Cobalt

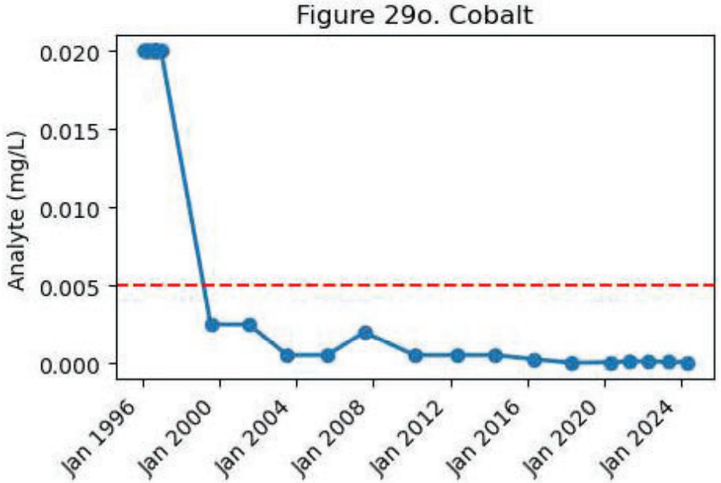

Figure 29p. Copper

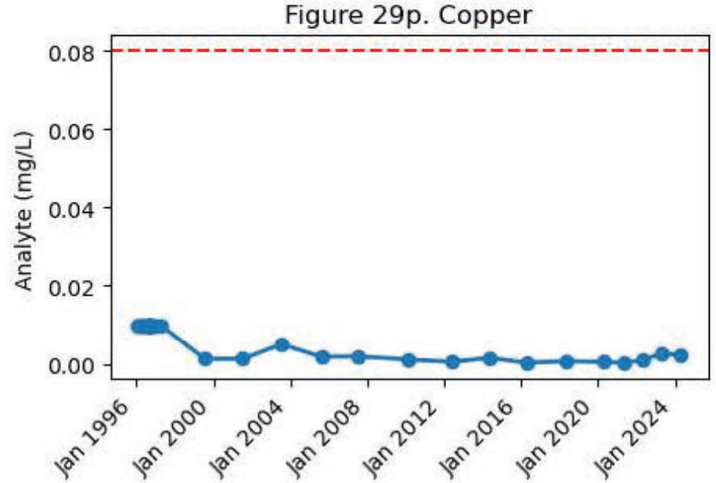

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Figure 29q. Ethylbenzene

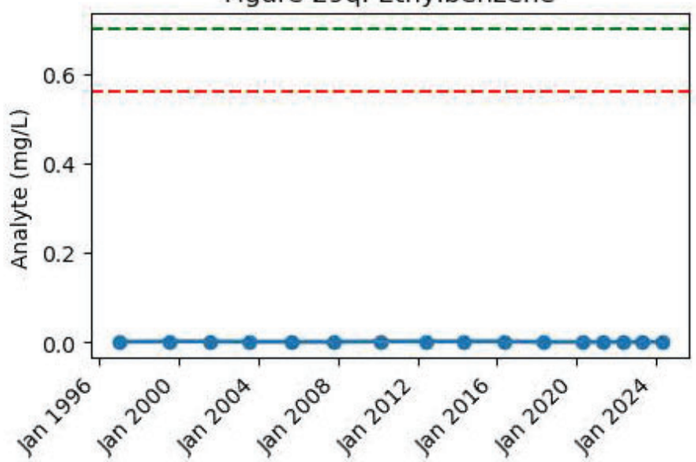

Figure 29r. Fluoride

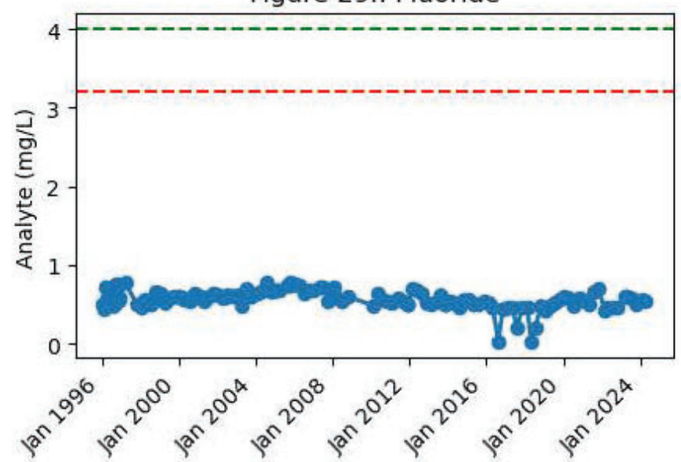

Figure 29s. Gross Alpha Analytes

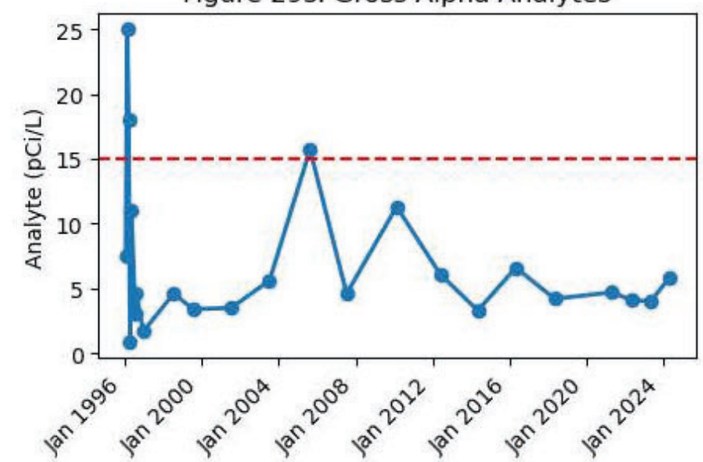

Figure 29t. Iron

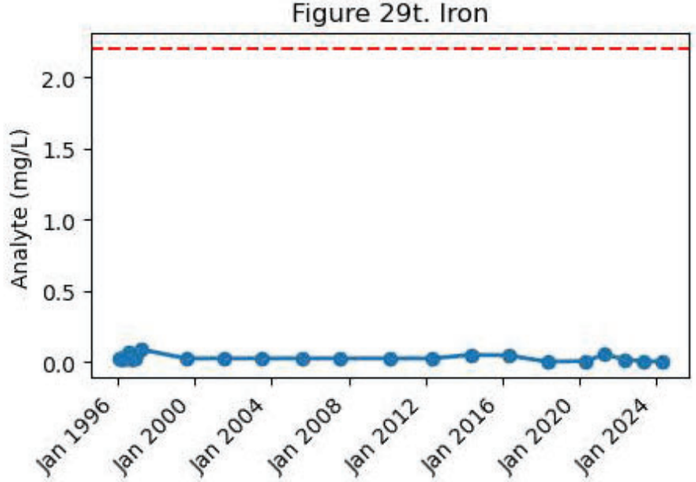

Figure 29u. Lead

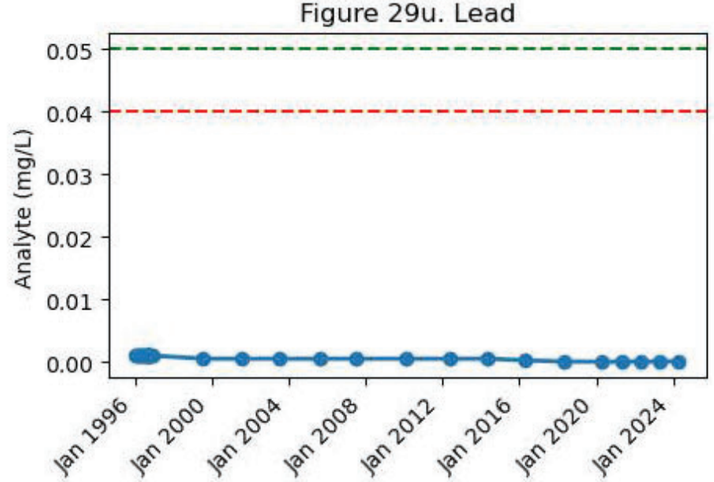

Figure 29v. Magnesium

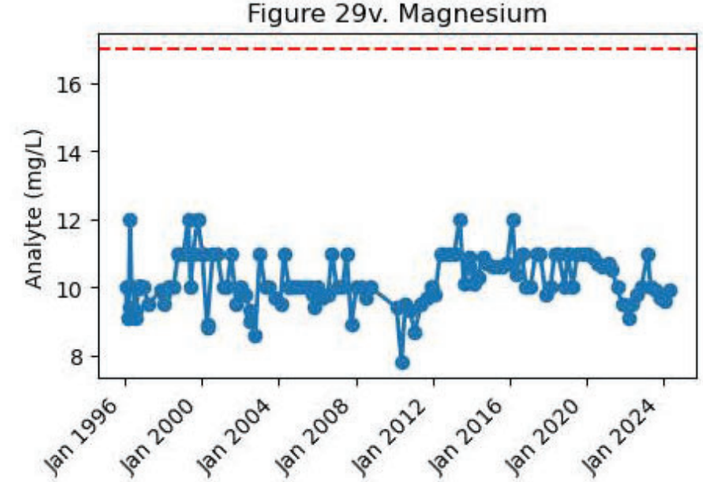

Figure 29w. Manganese

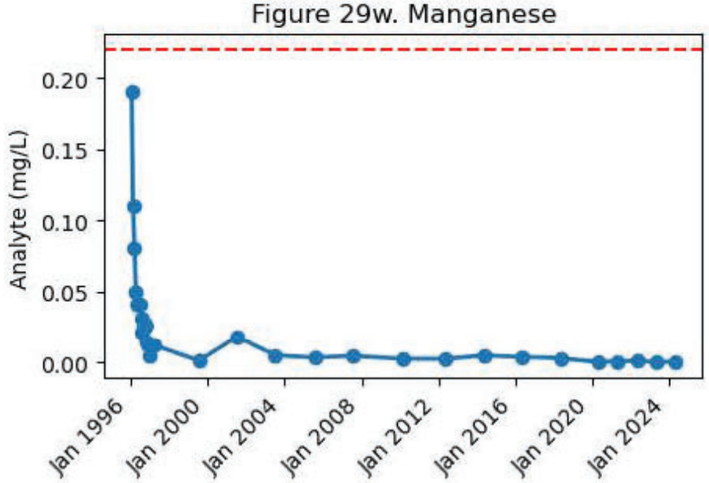

Figure 29x. Mercury

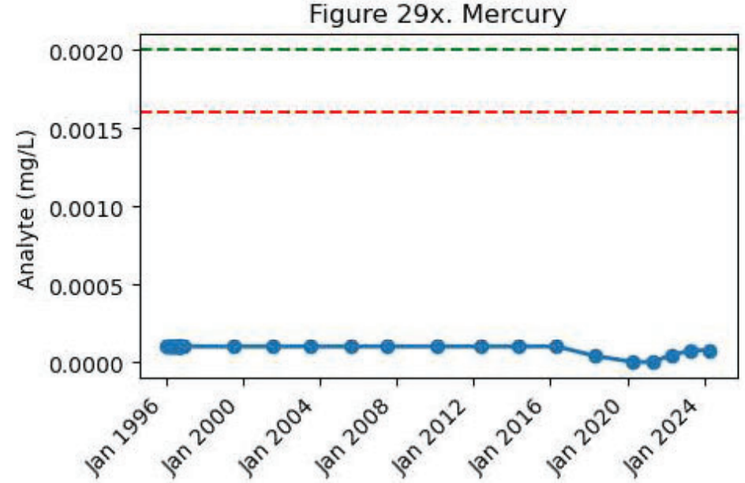

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Figure 29y. Nickel

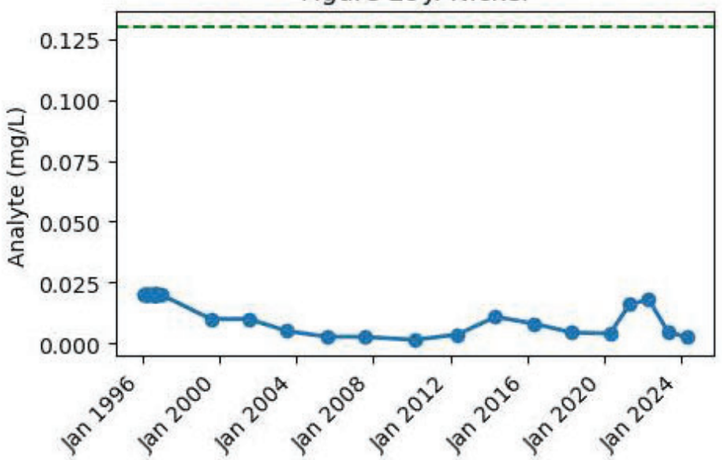


Figure 29z. Nitrate (as N)

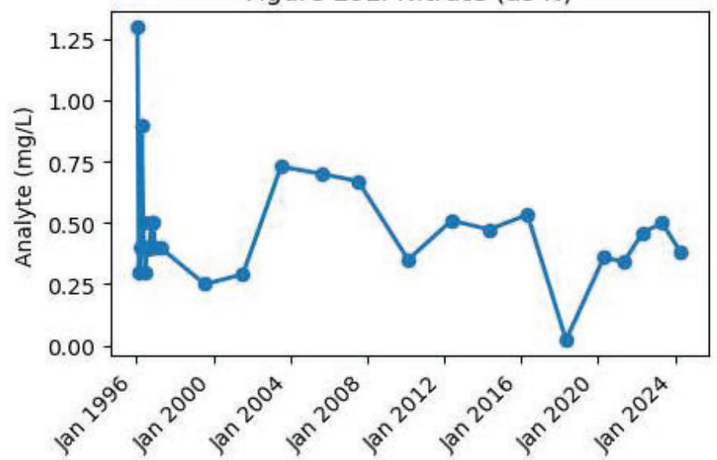


Figure 29aa. pH, Field

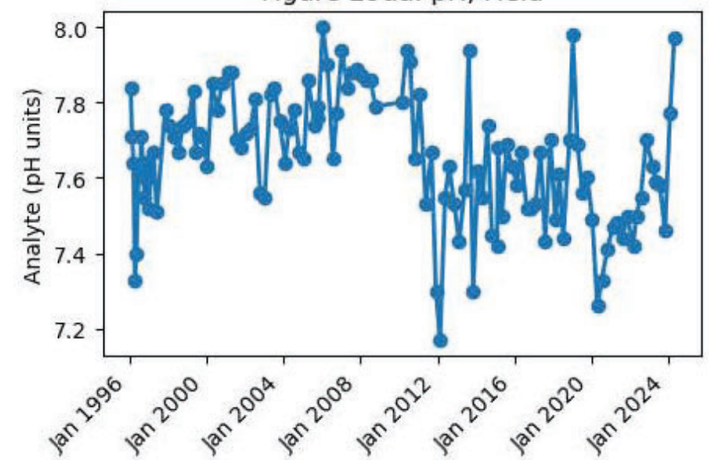


Figure 29ab. Potassium

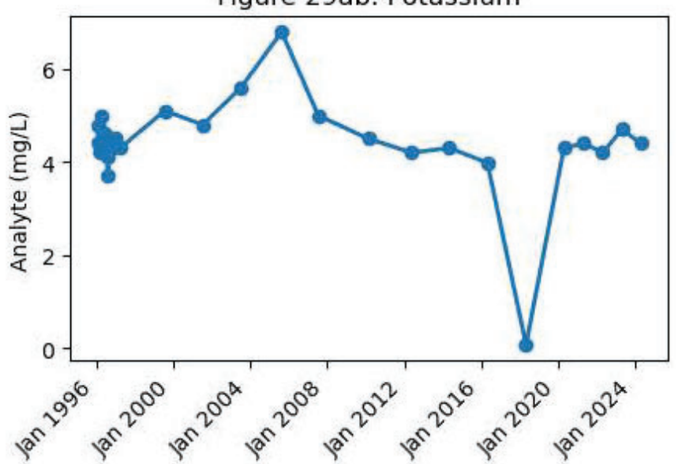


Figure 29ac. Radium-226 & 228

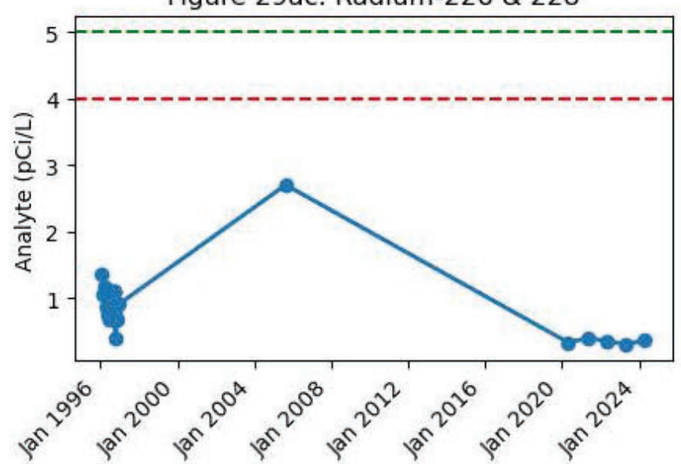


Figure 29ad. Selenium

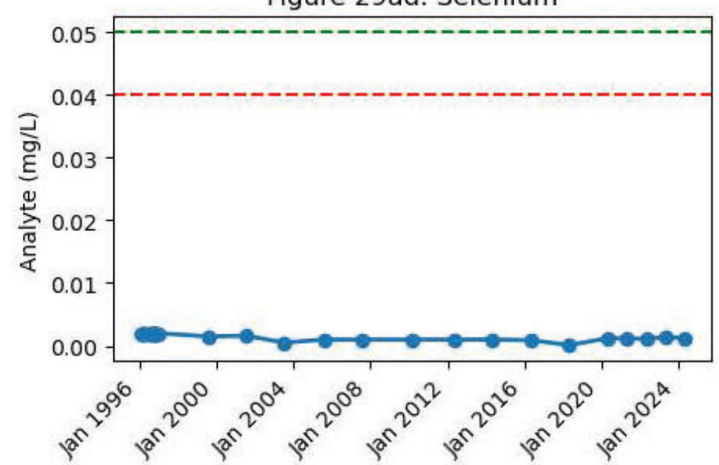


Figure 29ae. Sodium

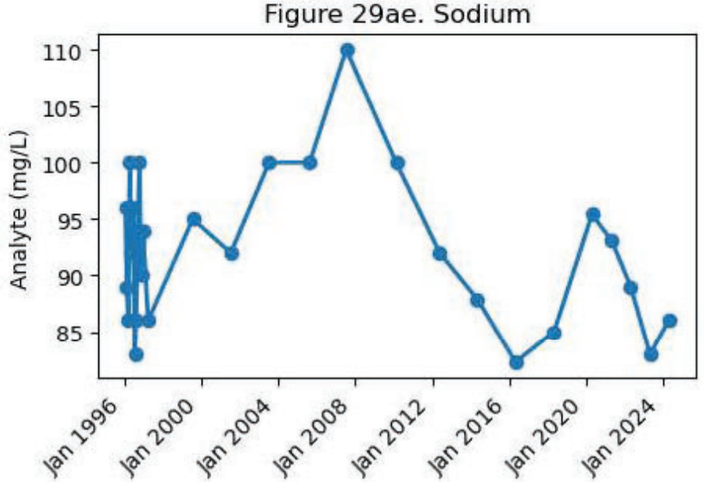
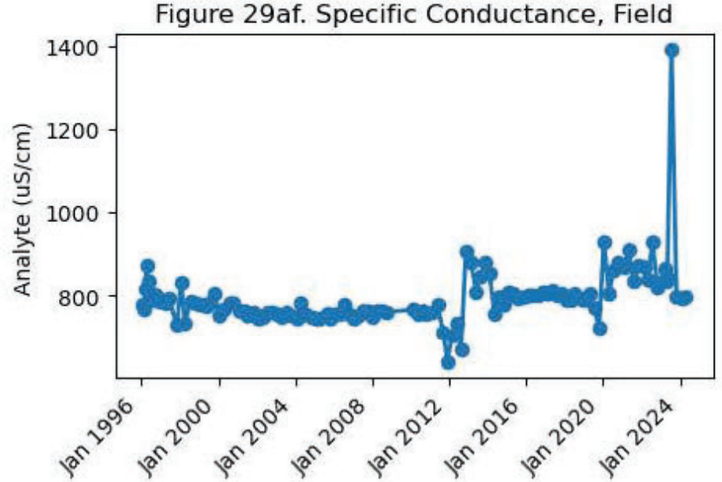


Figure 29af. Specific Conductance, Field



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O19-GL Quarterly Analyte Graphs

Figure 29ag. Sulfate

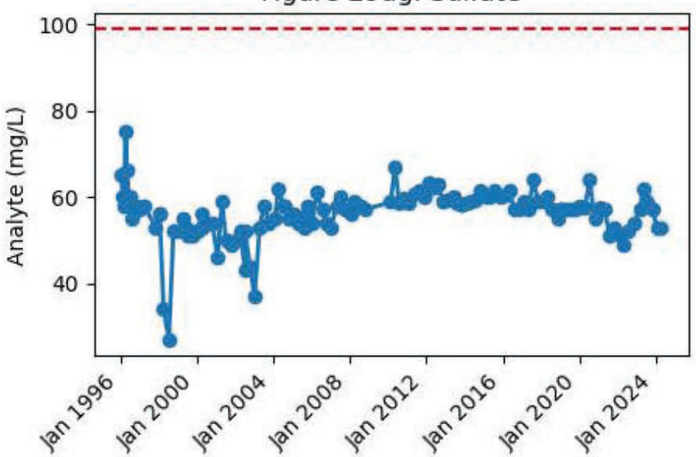


Figure 29ah. Temperature, Field

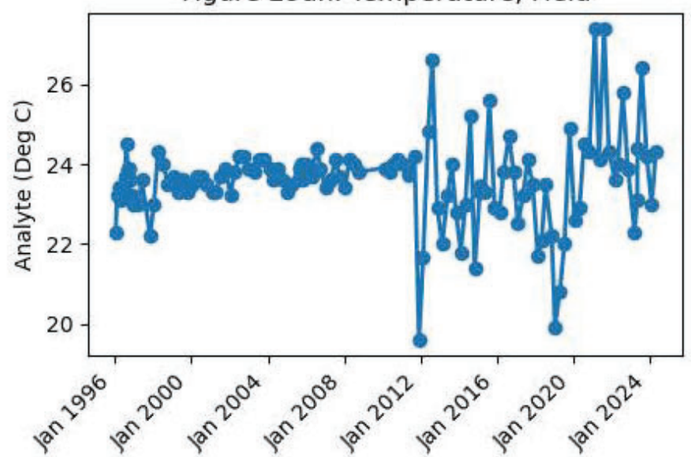


Figure 29ai. Thallium

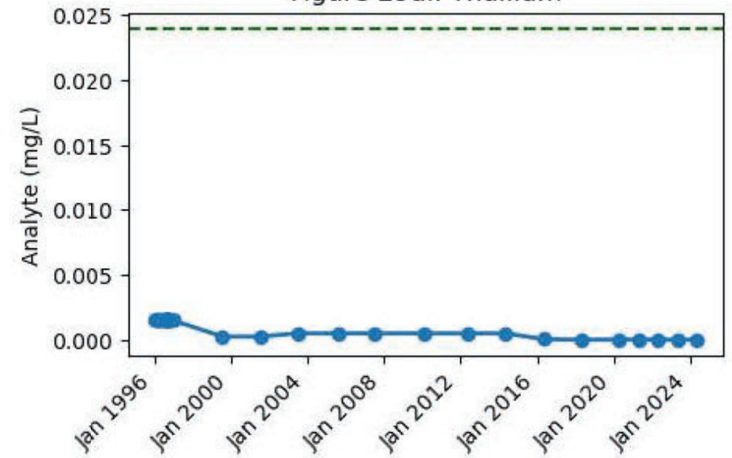


Figure 29aj. Toluene

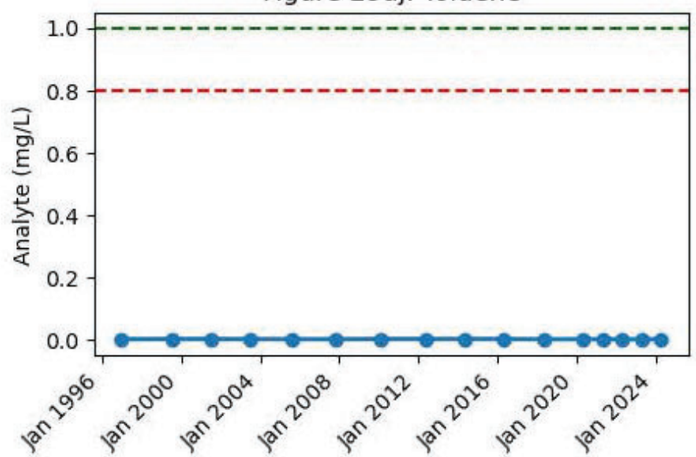


Figure 29ak. Total Dissolved Solids (TDS)

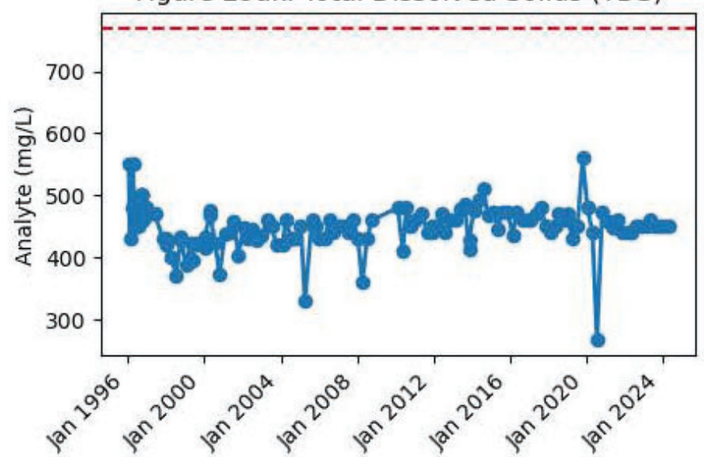


Figure 29al. Total Petroleum Hydrocarbons (C10-C22) Diesel

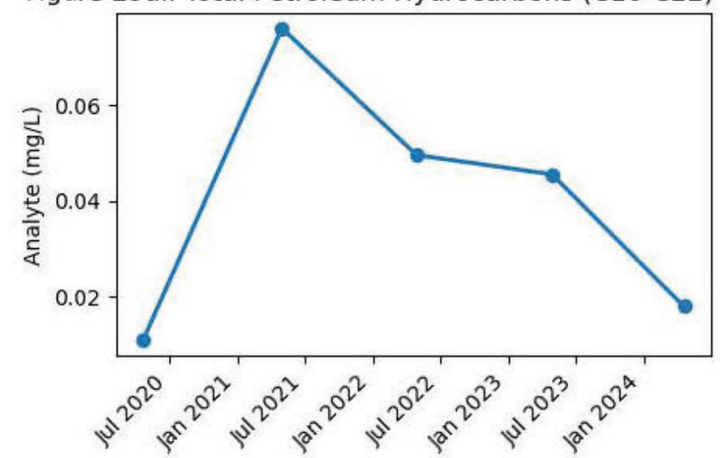


Figure 29am. Turbidity, Field

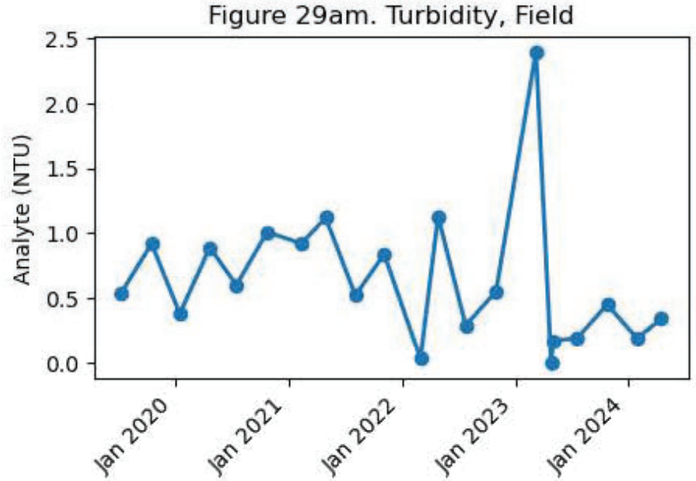
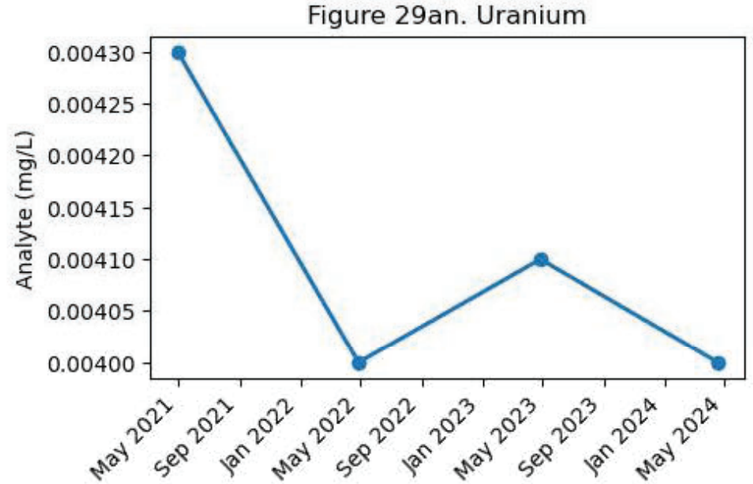


Figure 29an. Uranium



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O19-GL Quarterly Analyte Graphs

Figure 29ao. Xylene (Total)

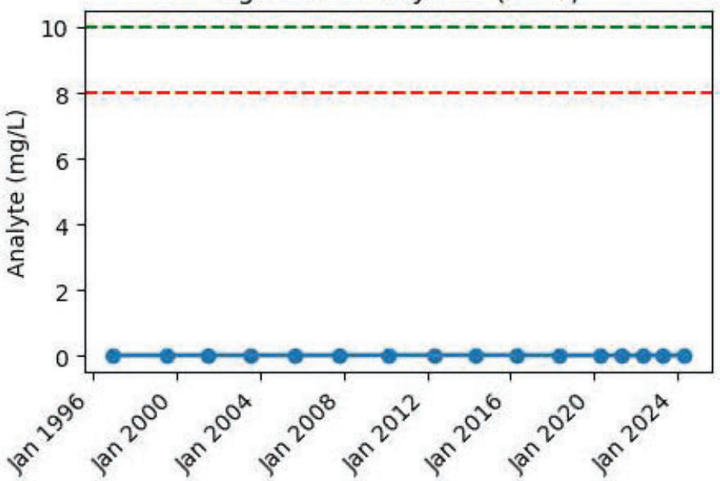


Figure 29ap. Zinc

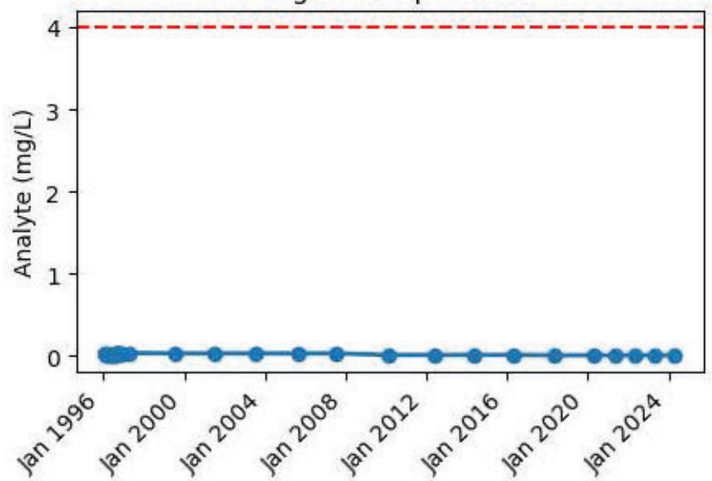


Figure 29aq. Total Uranium Isotopes

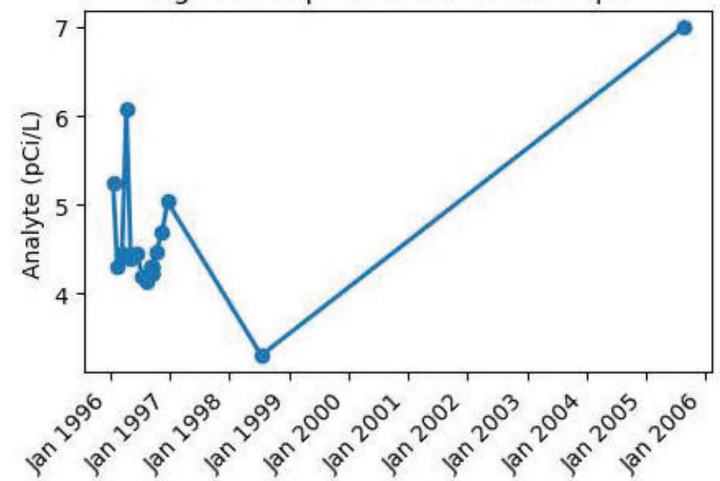
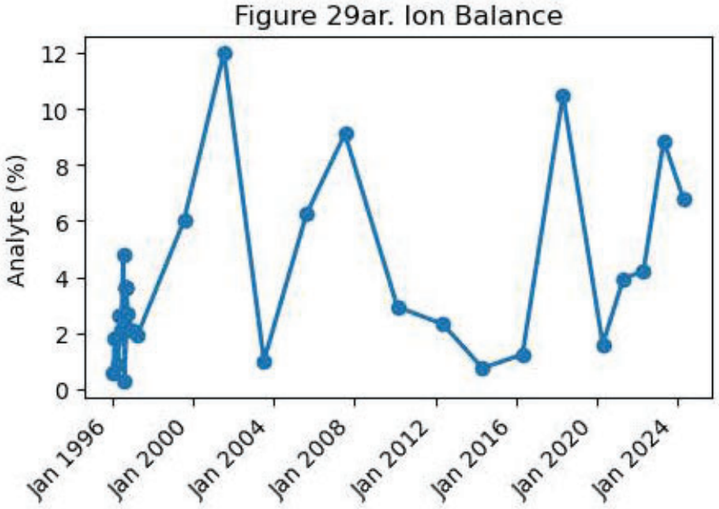


Figure 29ar. Ion Balance



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O49-GL(R) Quarterly Analyte Graphs

Figure 30a. Alkalinity, Bicarbonate

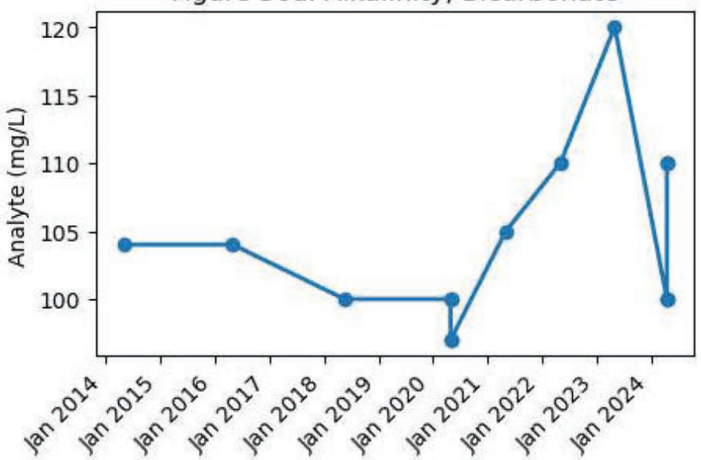


Figure 30b. Alkalinity, Carbonate

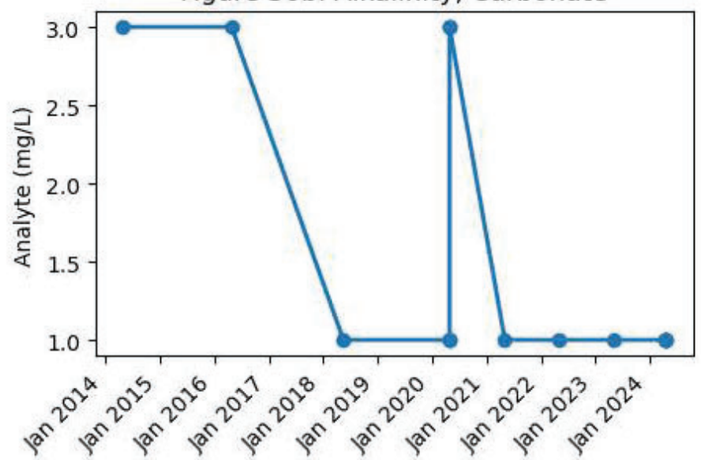


Figure 30c. Alkalinity, Hydroxide

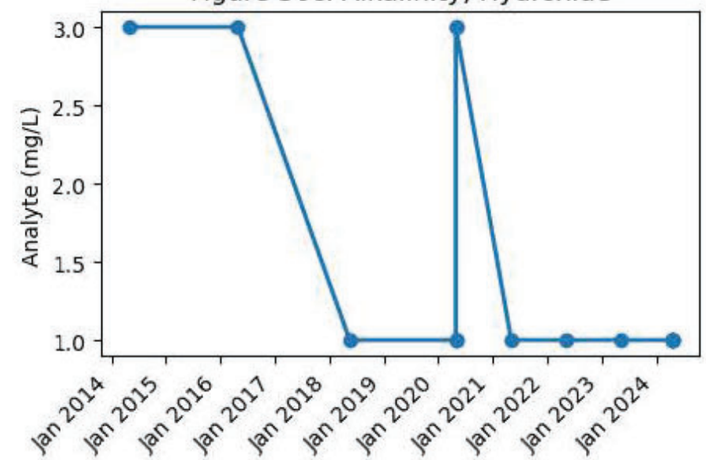


Figure 30d. Alkalinity, Total (as CaCO3)

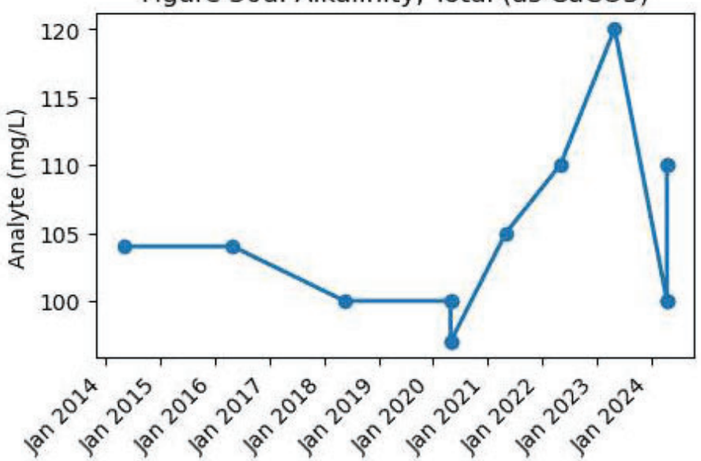


Figure 30e. Aluminum

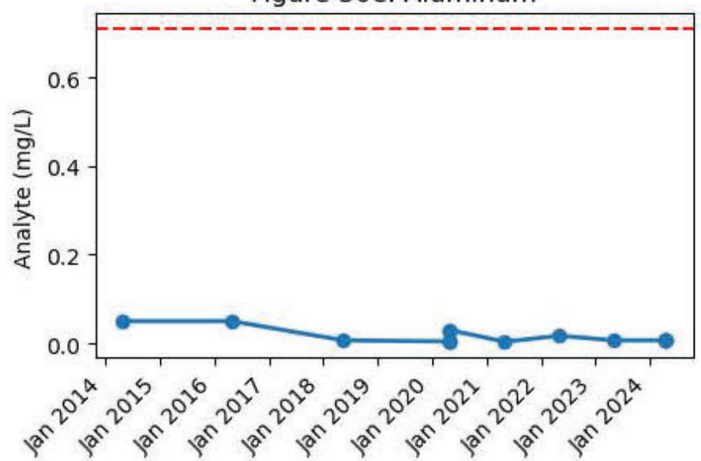


Figure 30f. Antimony

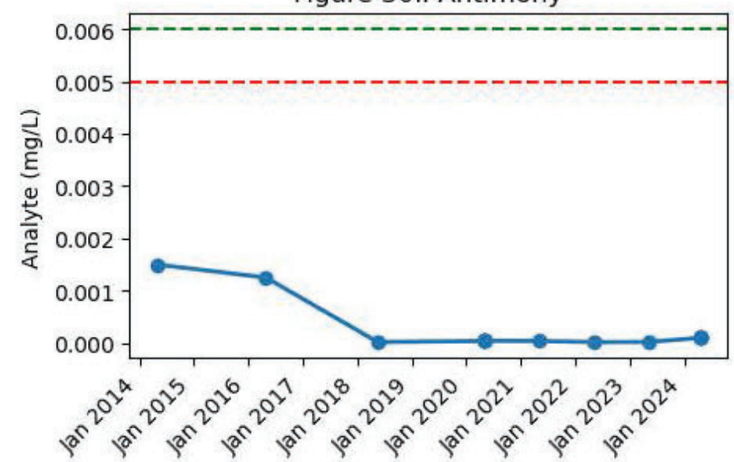


Figure 30g. Arsenic

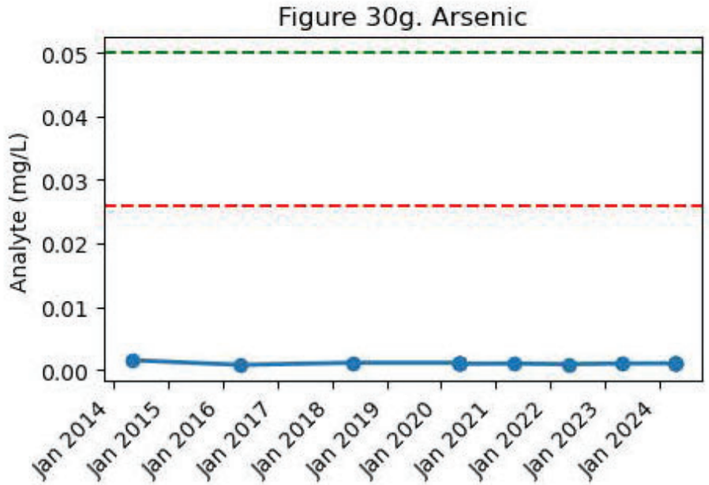
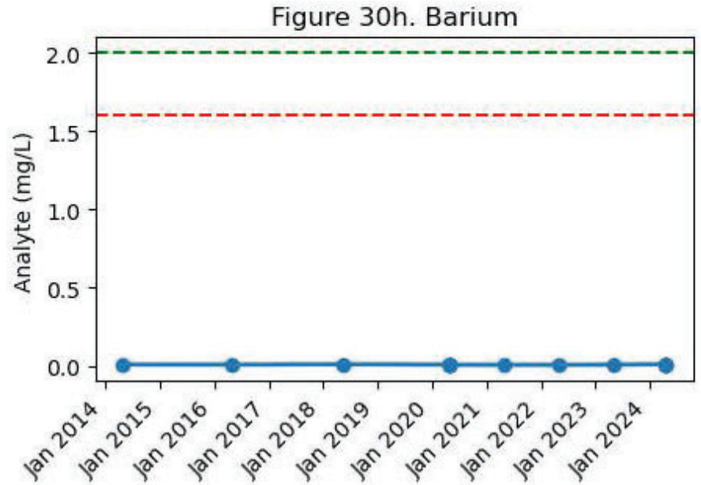


Figure 30h. Barium



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O49-GL(R) Quarterly Analyte Graphs

Figure 30i. Benzene

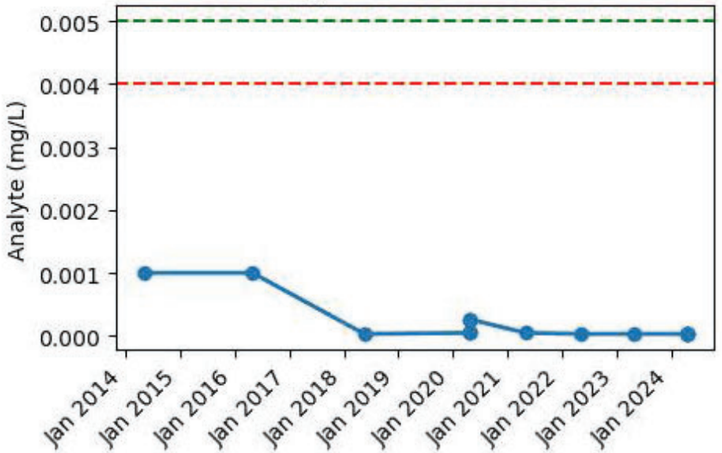


Figure 30j. Beryllium

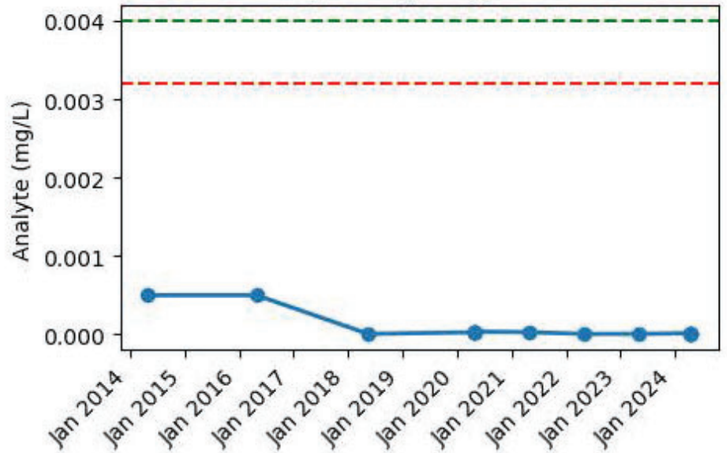


Figure 30k. Cadmium

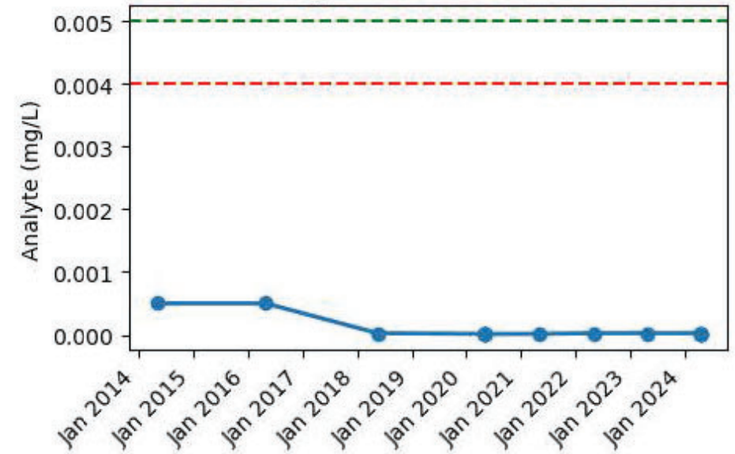


Figure 30l. Calcium

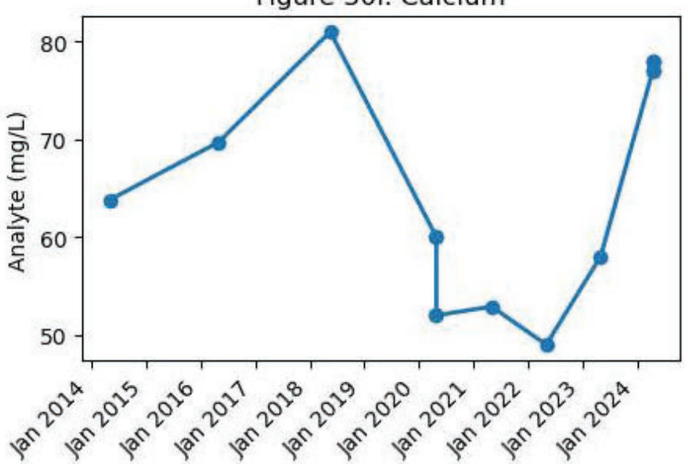


Figure 30m. Chloride

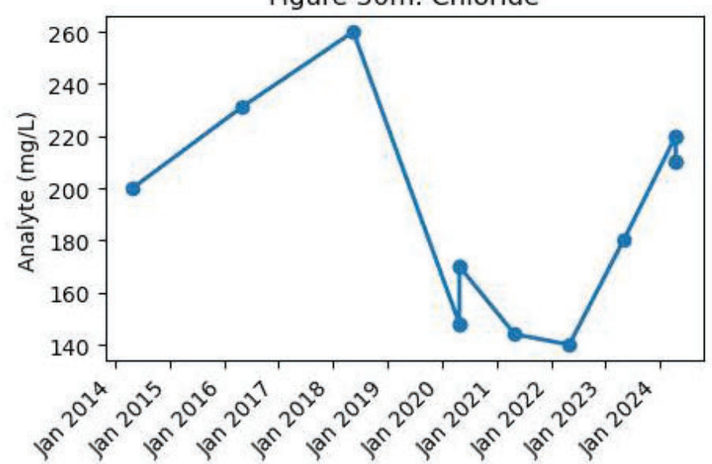


Figure 30n. Chromium

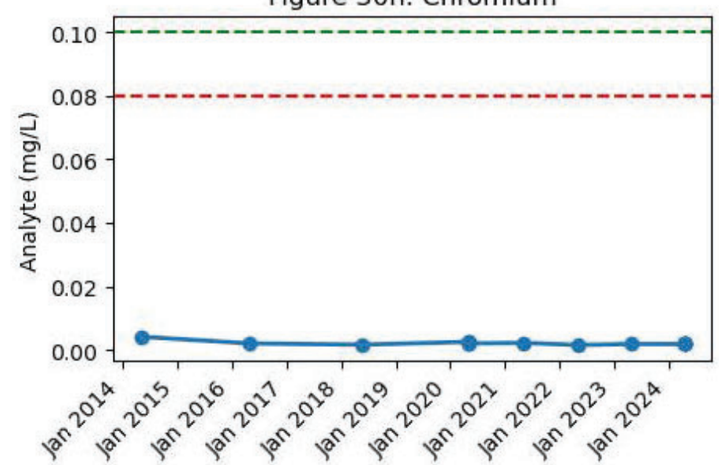


Figure 30o. Cobalt

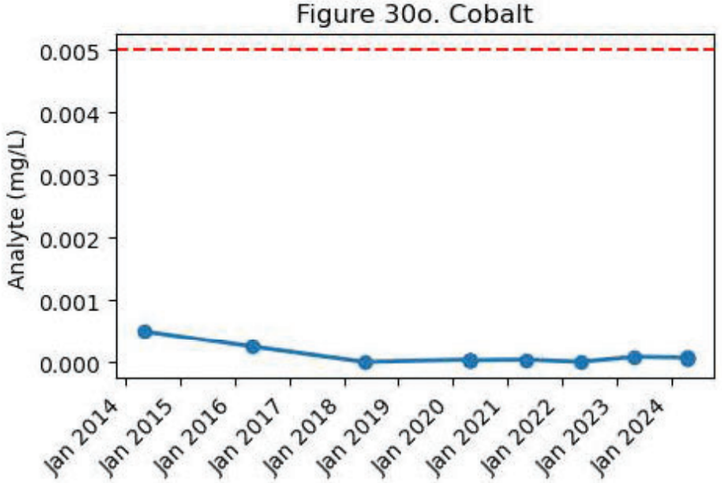
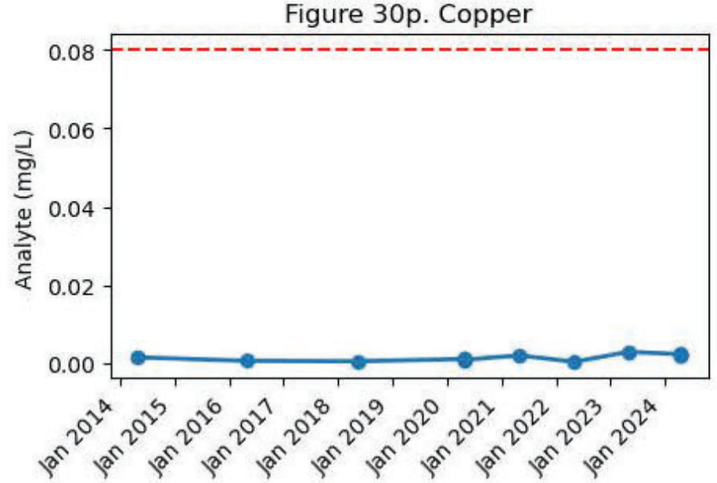


Figure 30p. Copper



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O49-GL(R) Quarterly Analyte Graphs

Figure 30q. Ethylbenzene

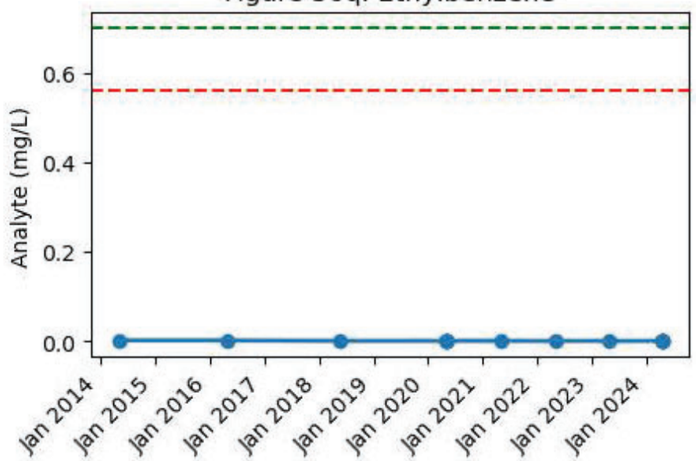

Figure 30r. Fluoride

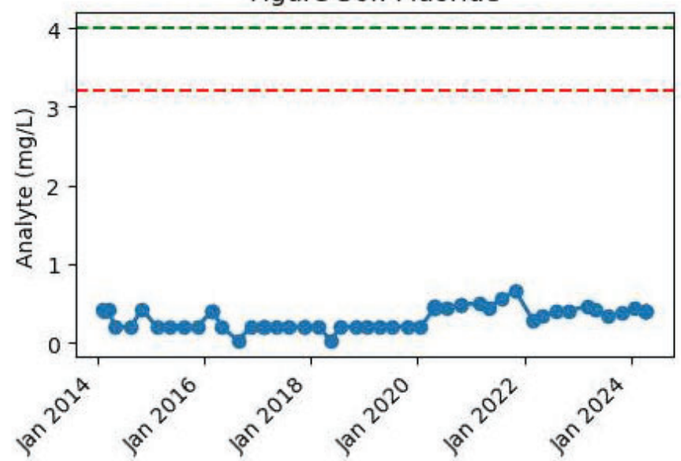

Figure 30s. Gross Alpha Analytes

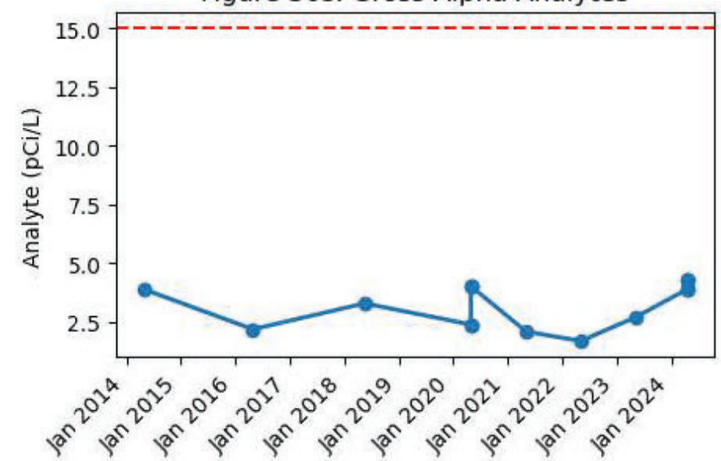

Figure 30t. Iron

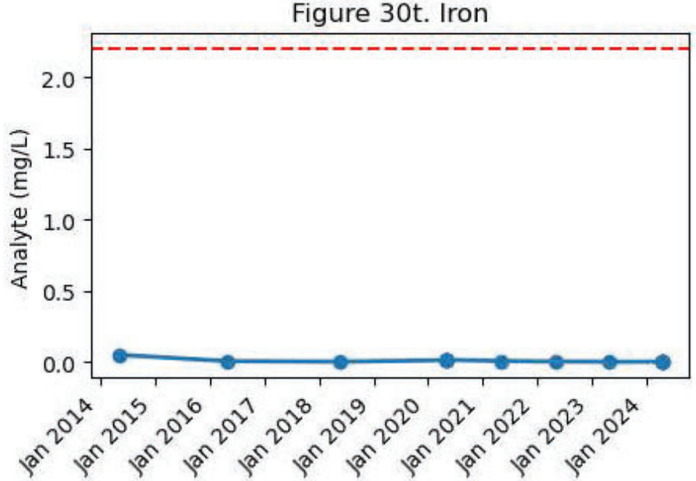

Figure 30u. Lead

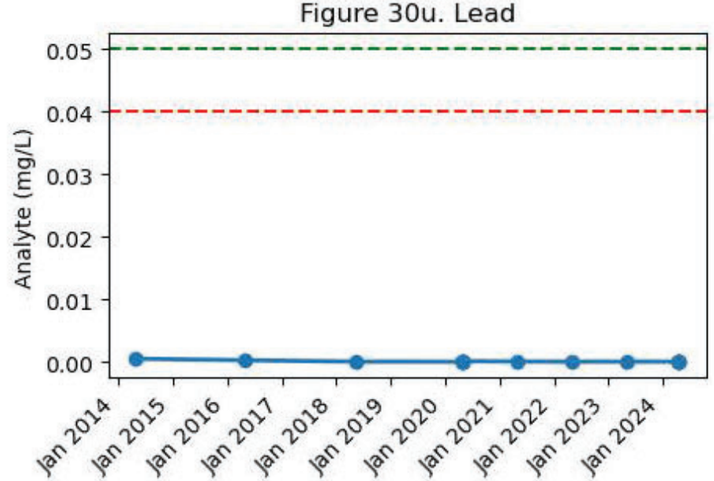

Figure 30v. Magnesium

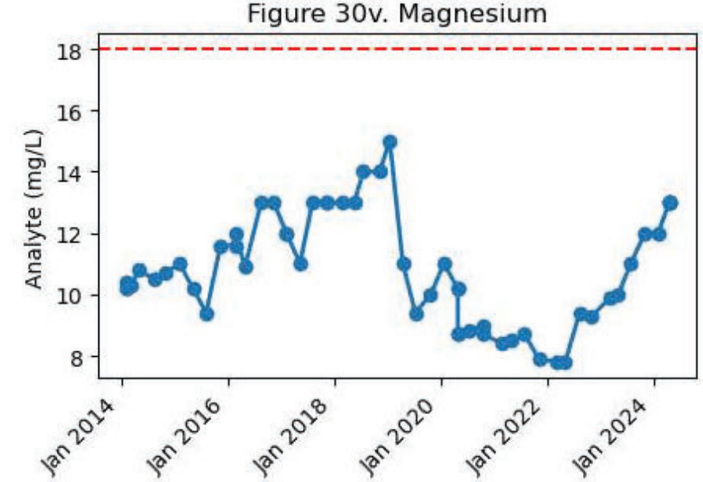

Figure 30w. Manganese

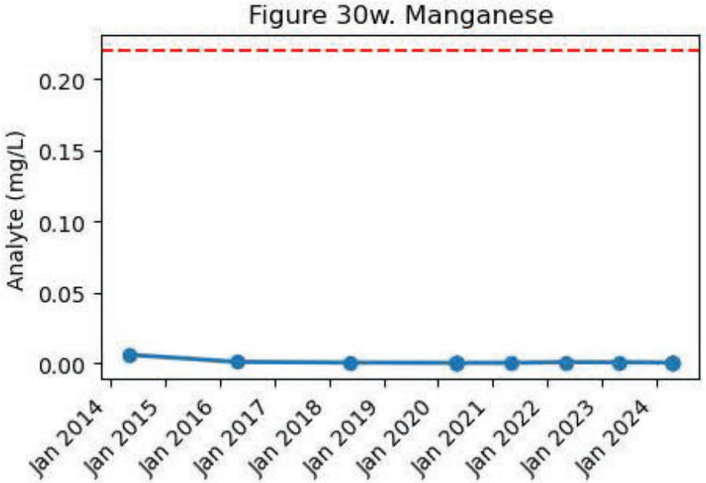

Figure 30x. Mercury

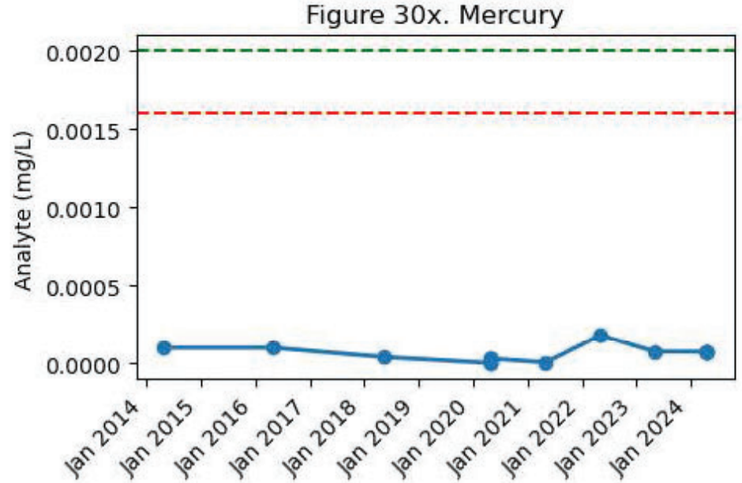

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Figure 30y. Nickel

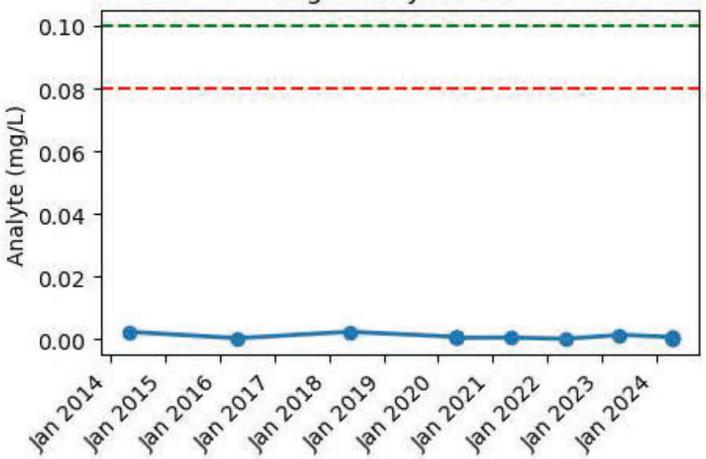

Figure 30z. Nitrate (as N)

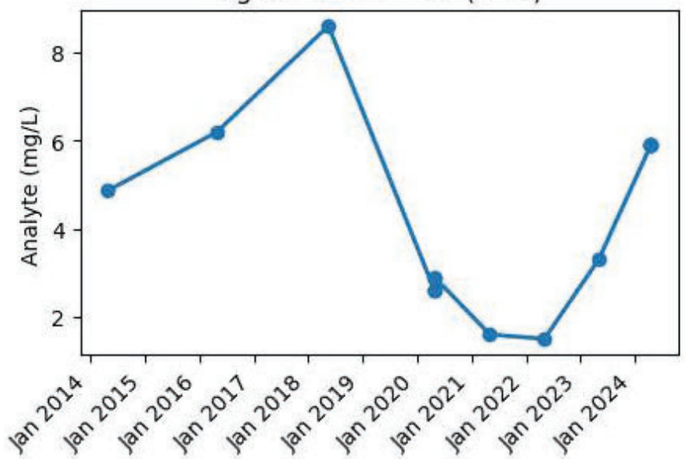

Figure 30aa. pH, Field

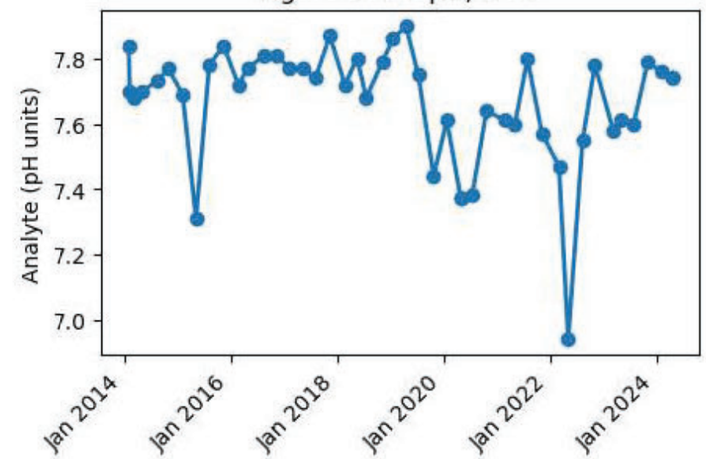

Figure 30ab. Potassium

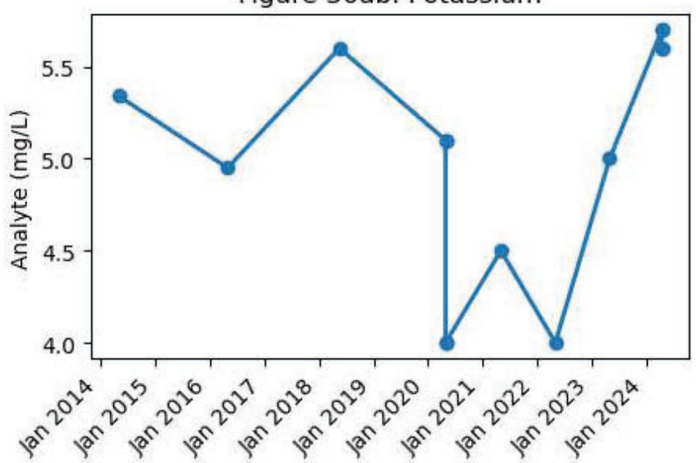

Figure 30ac. Radium-226 & 228

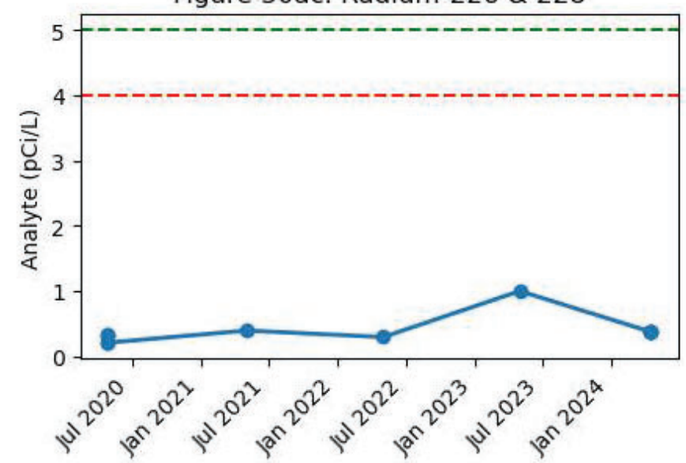

Figure 30ad. Selenium

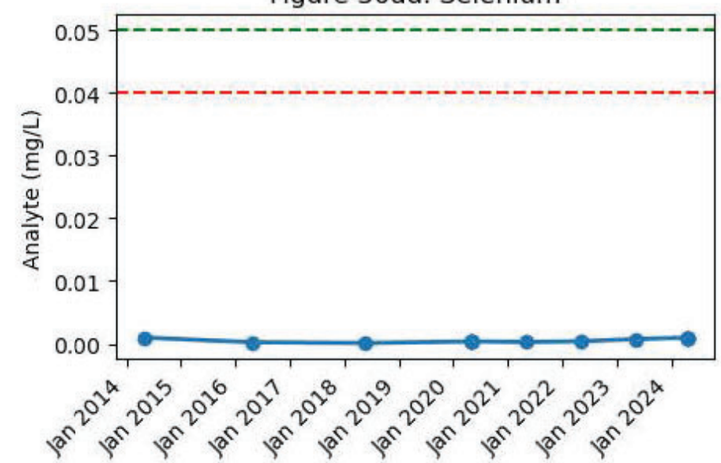

Figure 30ae. Sodium

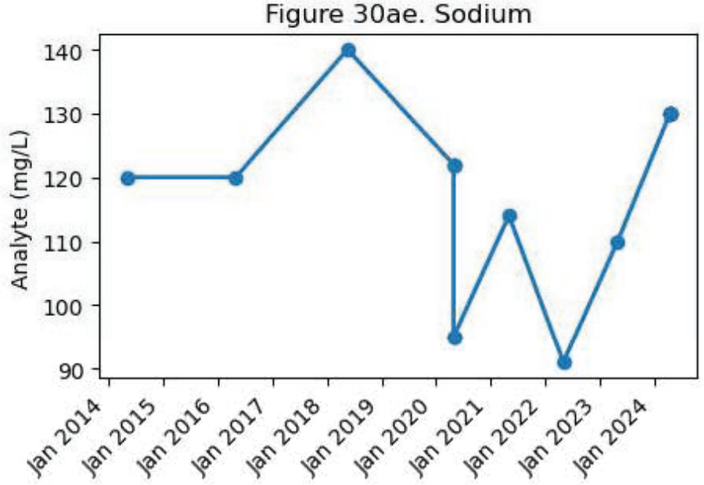

Figure 30af. Specific Conductance, Field

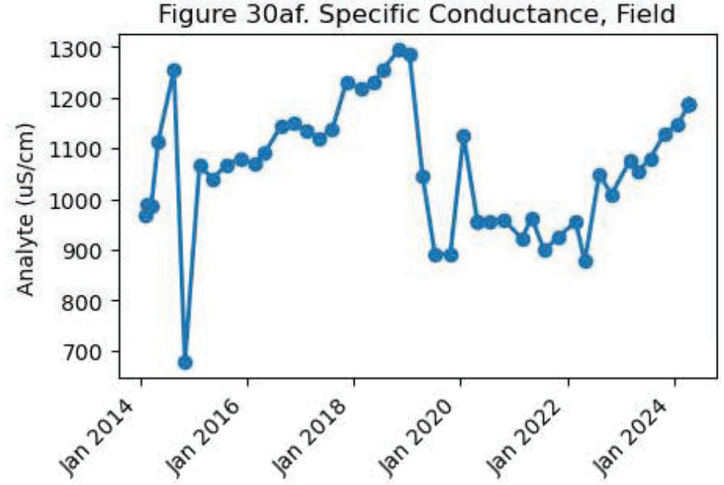

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Figure 30ag. Sulfate

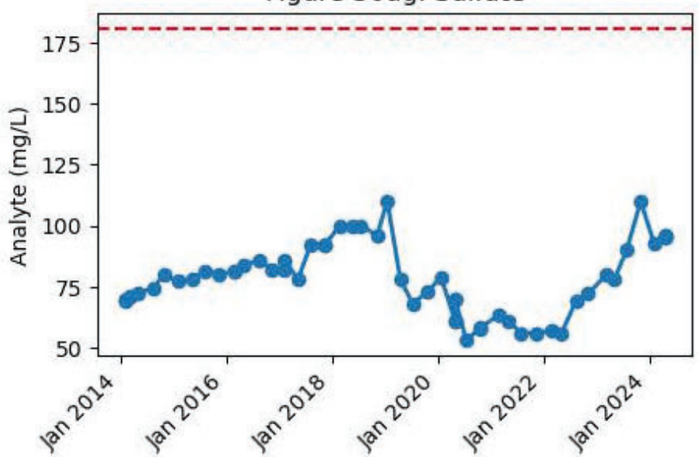


Figure 30ah. Temperature, Field

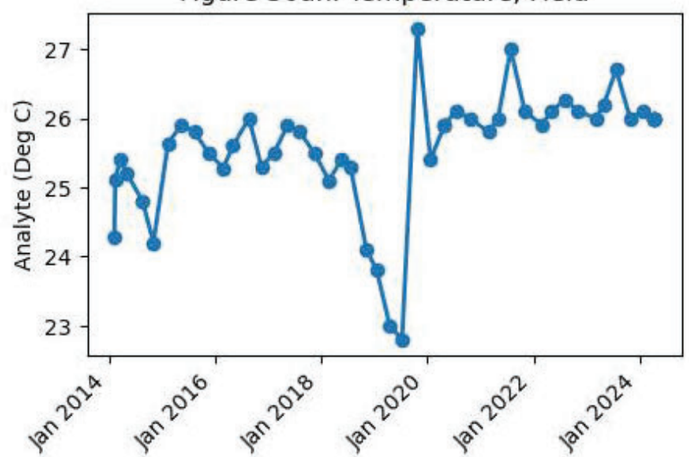


Figure 30ai. Thallium

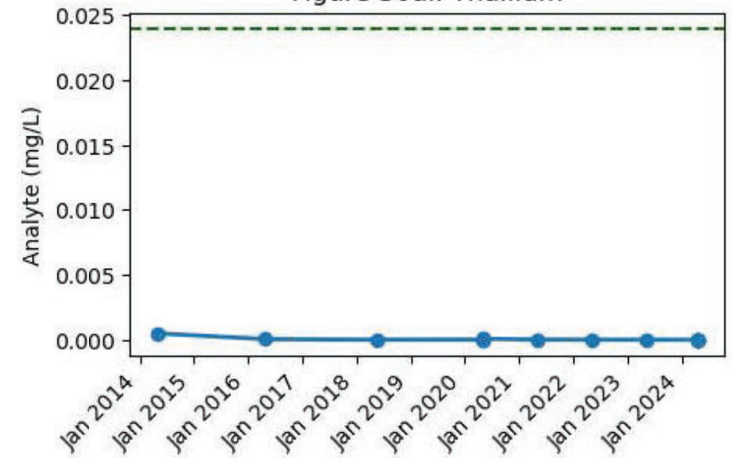


Figure 30aj. Toluene

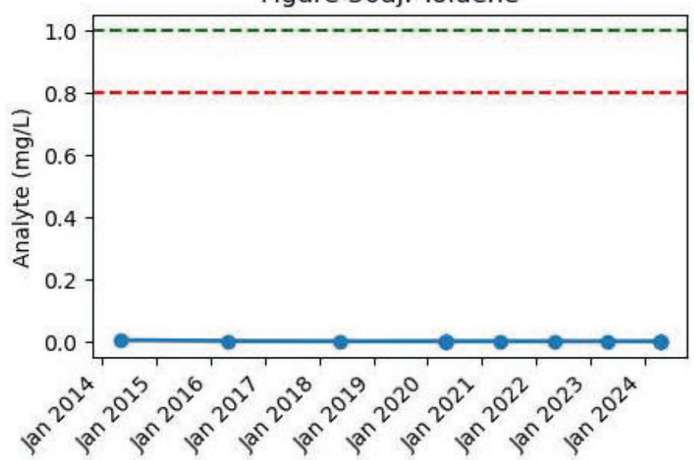


Figure 30ak. Total Dissolved Solids (TDS)

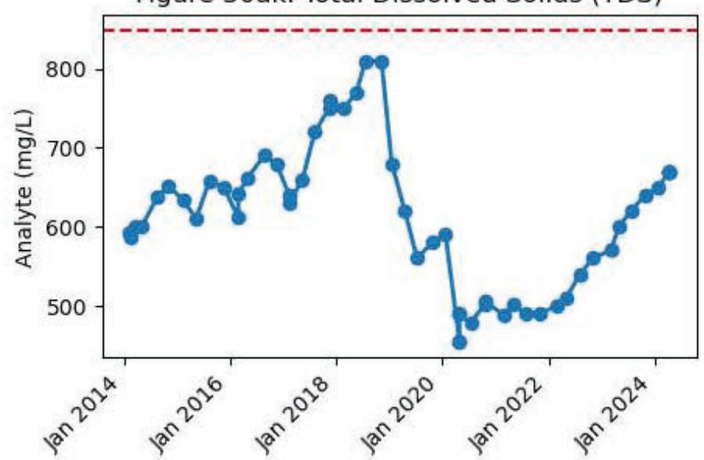


Figure 30al. Total Petroleum Hydrocarbons (C10-C22) Diesel

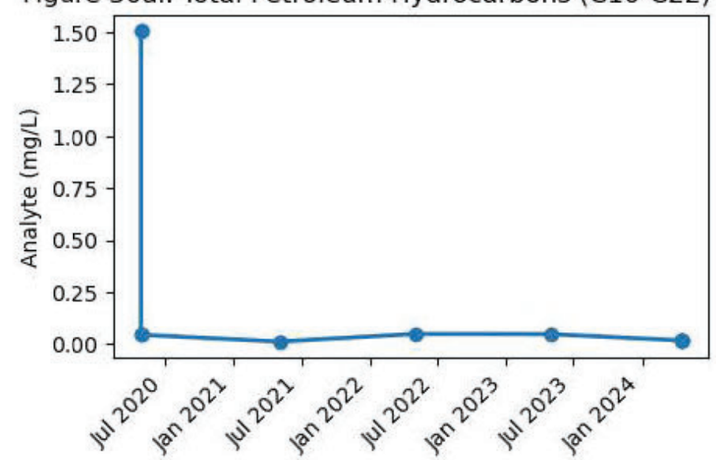


Figure 30am. Turbidity, Field

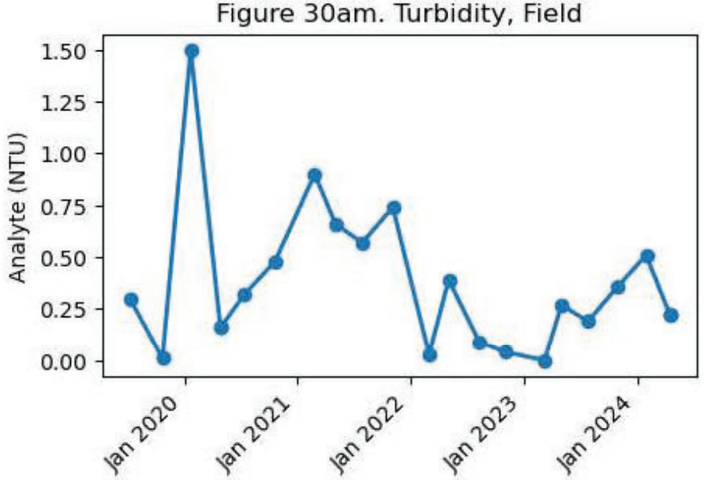
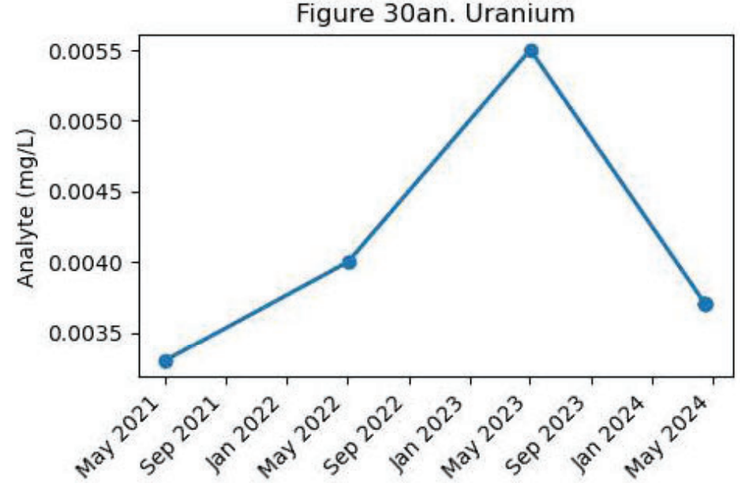


Figure 30an. Uranium



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O49-GL(R) Quarterly Analyte Graphs

Figure 30ao. Xylene (Total)

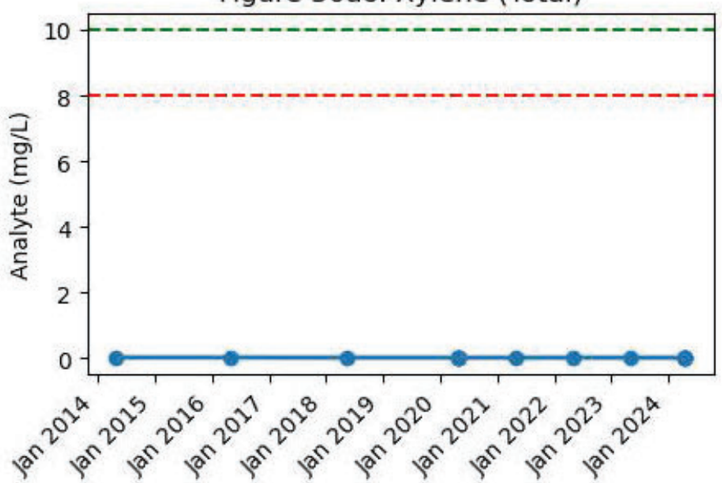


Figure 30ap. Zinc

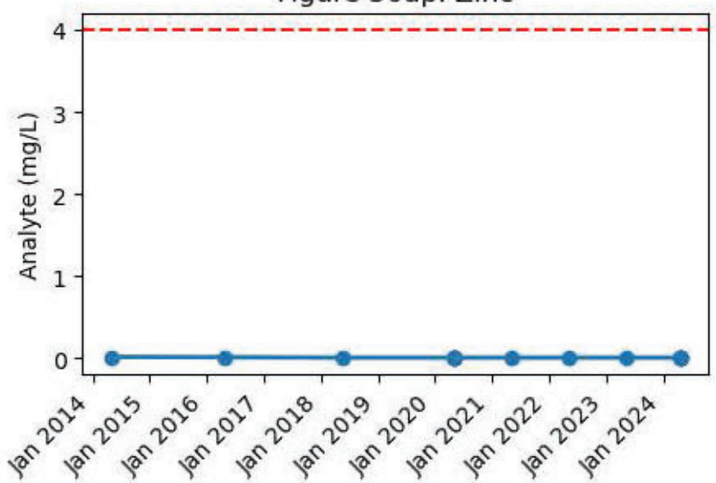


Figure 30aq. Total Uranium Isotopes

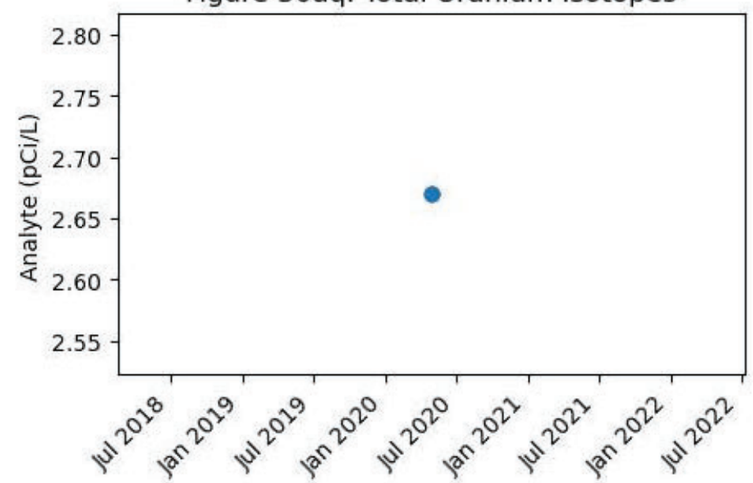
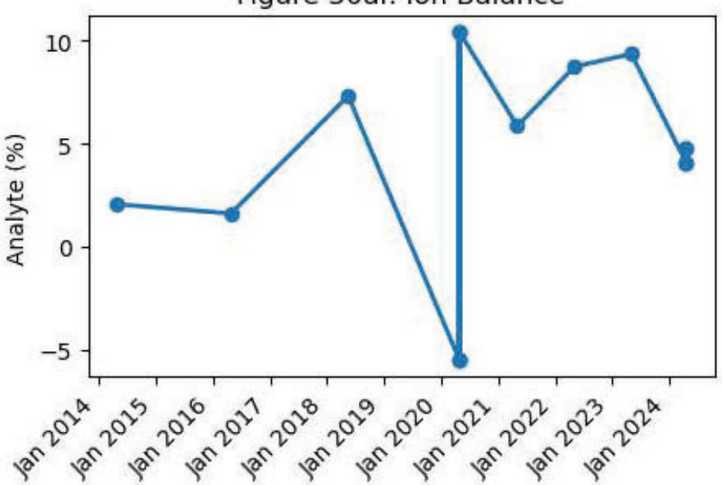


Figure 30ar. Ion Balance



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P19-1-O Quarterly Analyte Graphs

Figure 31a. Alkalinity, Bicarbonate

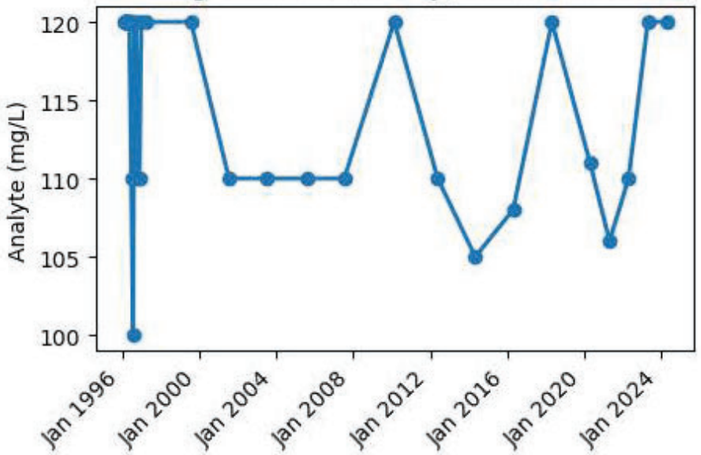


Figure 31b. Alkalinity, Carbonate

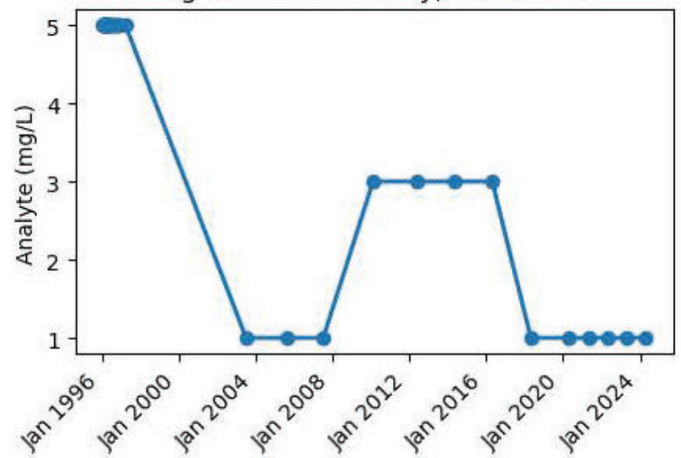


Figure 31c. Alkalinity, Hydroxide

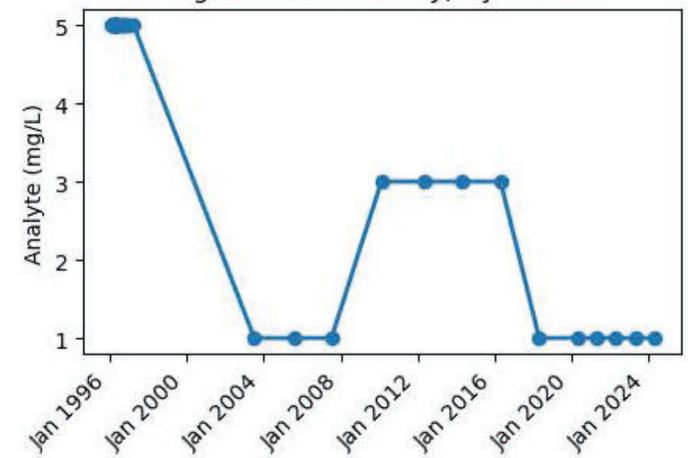


Figure 31d. Alkalinity, Total (as CaCO3)

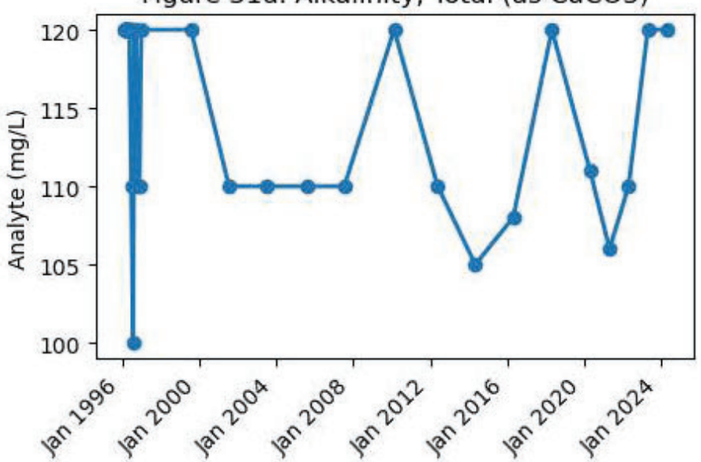


Figure 31e. Aluminum

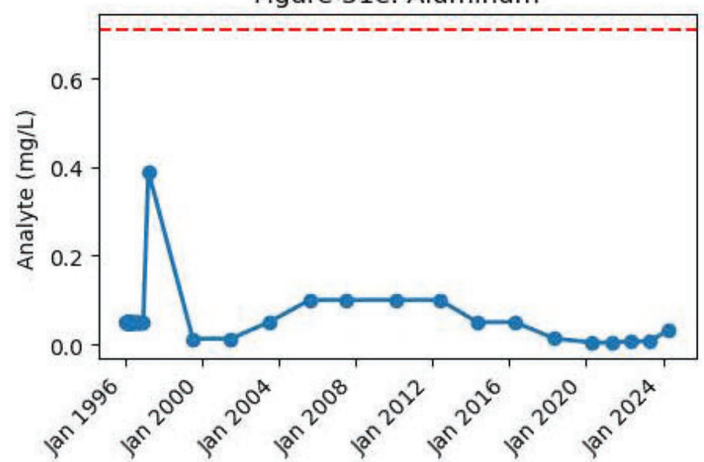


Figure 31f. Antimony

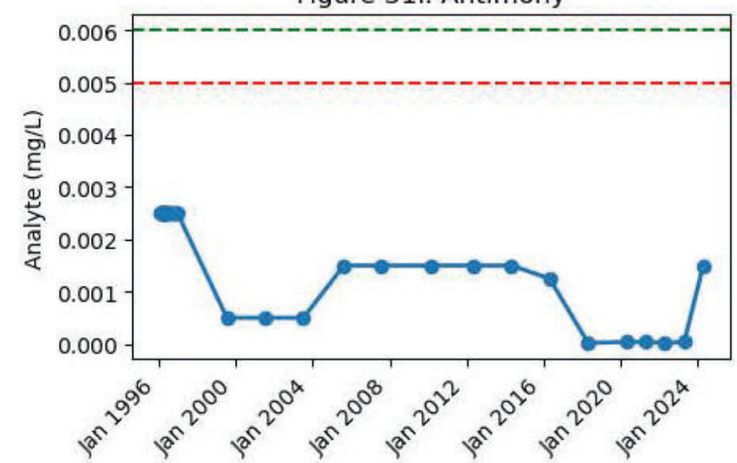


Figure 31g. Arsenic

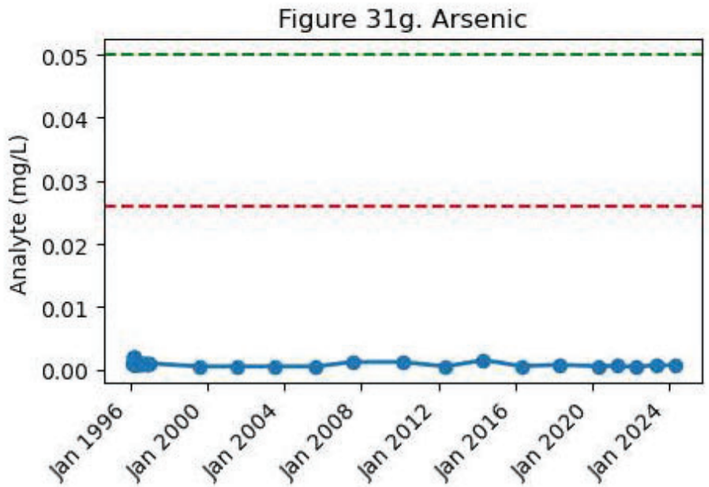
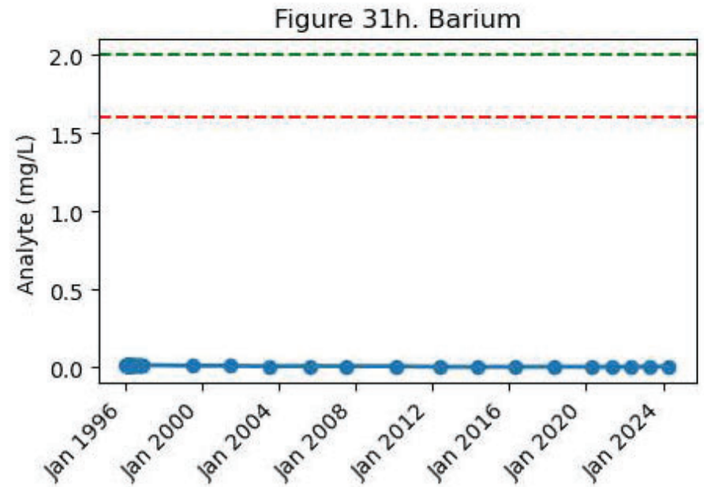


Figure 31h. Barium



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P19-1-O Quarterly Analyte Graphs

Figure 31i. Benzene

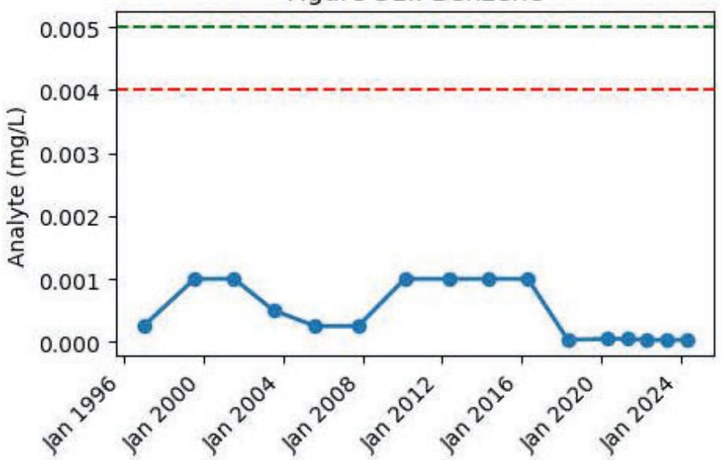

Figure 31j. Beryllium

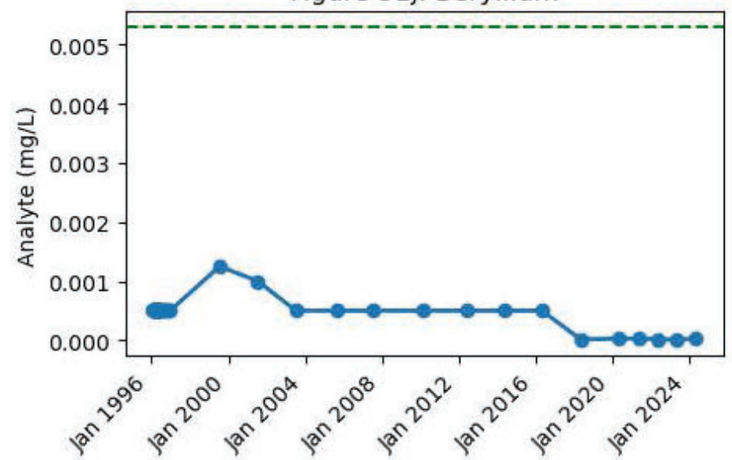

Figure 31k. Cadmium

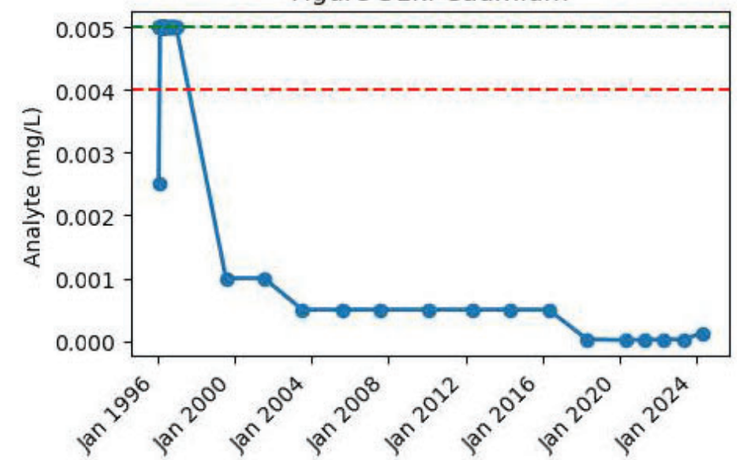

Figure 31l. Calcium

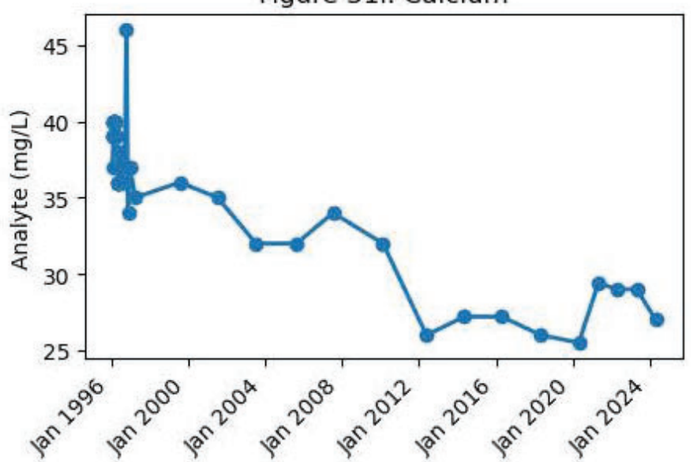

Figure 31m. Chloride

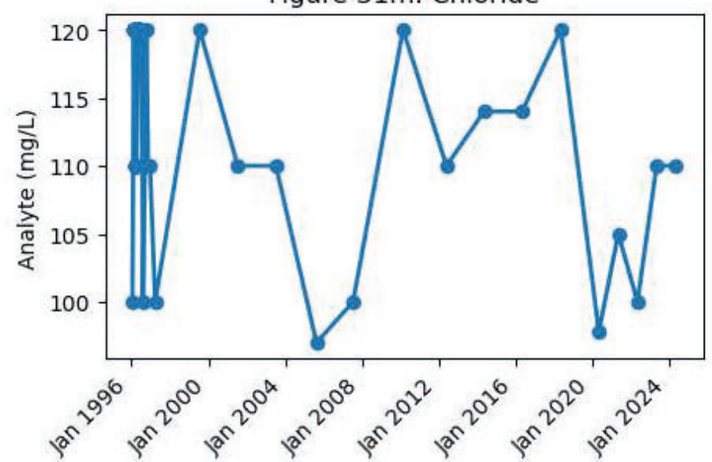

Figure 31n. Chromium

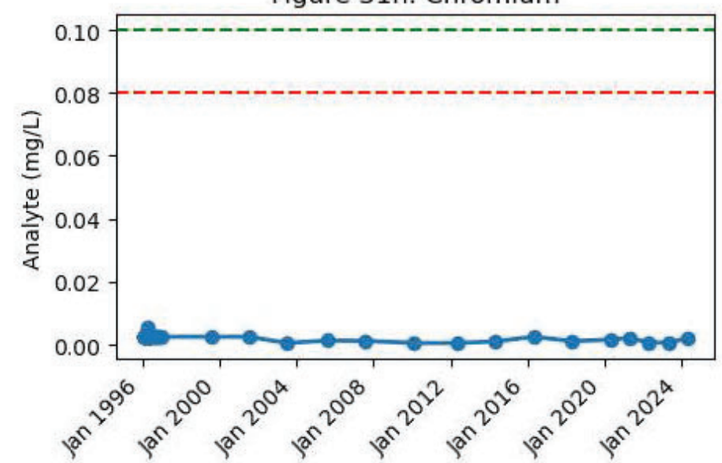

Figure 31o. Cobalt

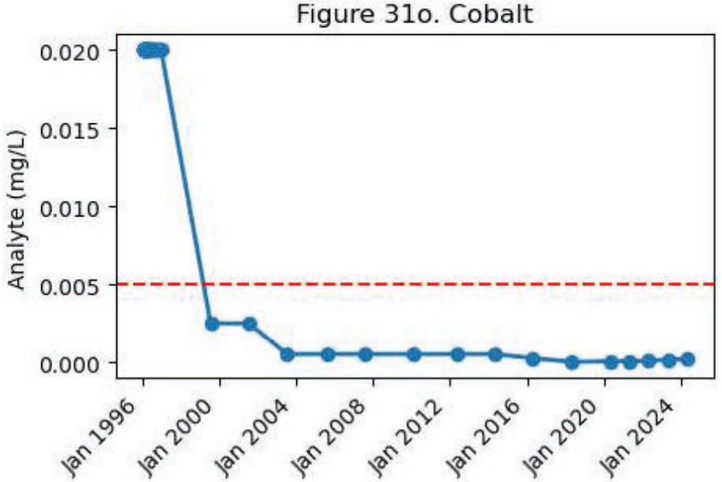

Figure 31p. Copper

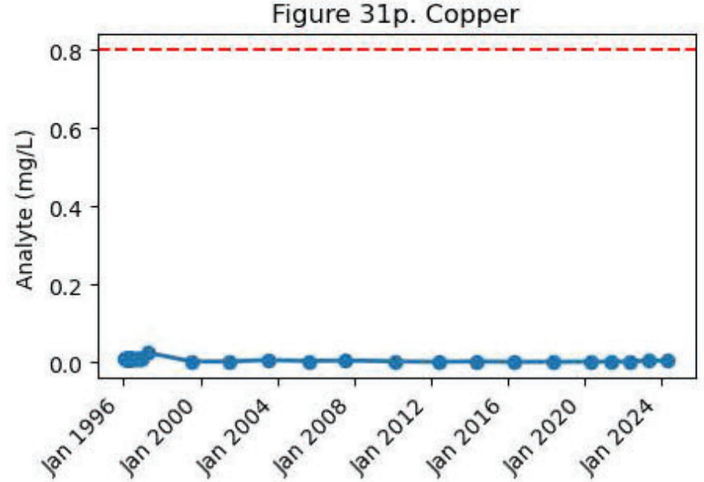

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Figure 31q. Ethylbenzene

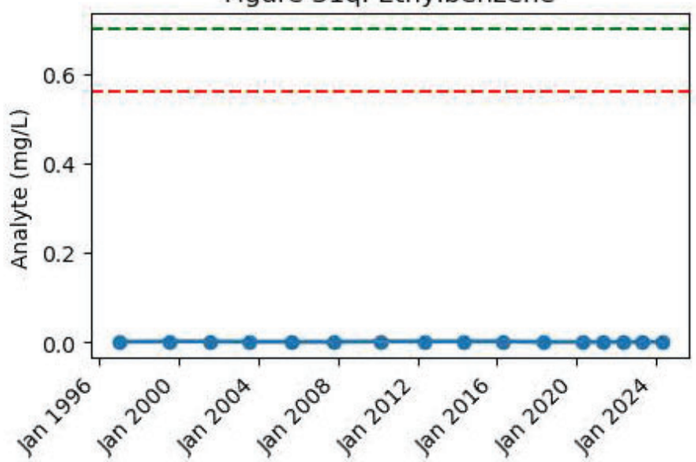

Figure 31r. Fluoride

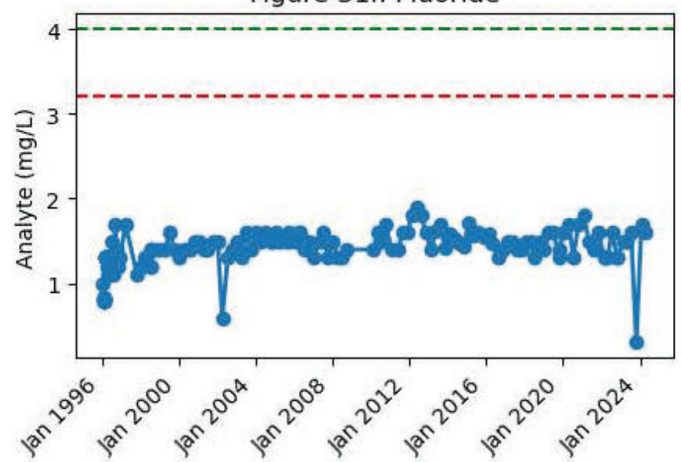

Figure 31s. Gross Alpha Analytes

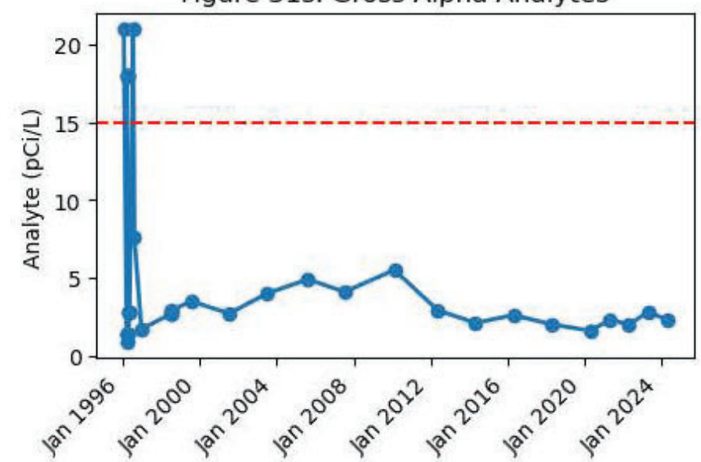

Figure 31t. Iron

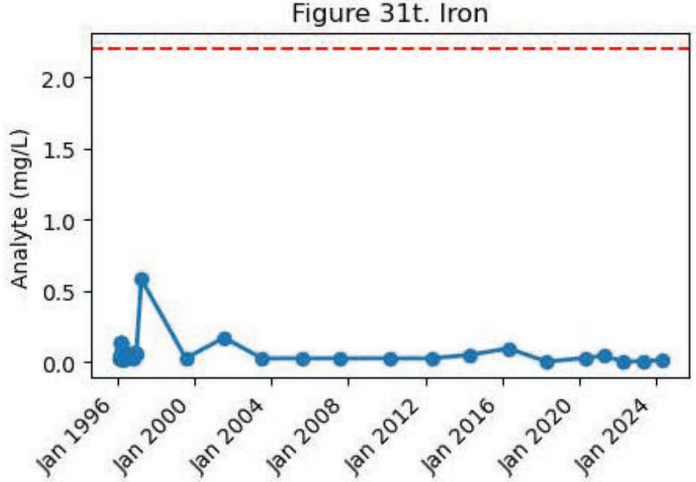

Figure 31u. Lead

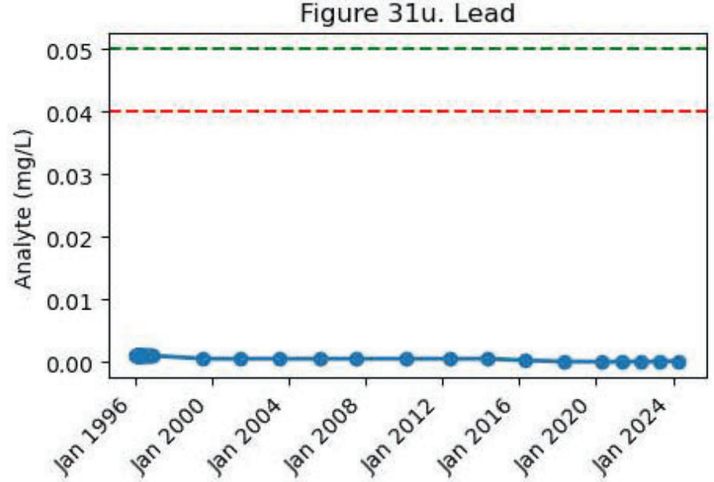

Figure 31v. Magnesium

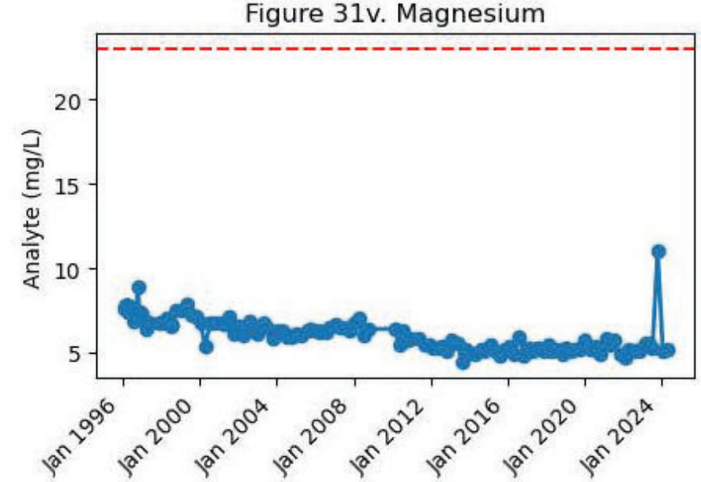

Figure 31w. Manganese

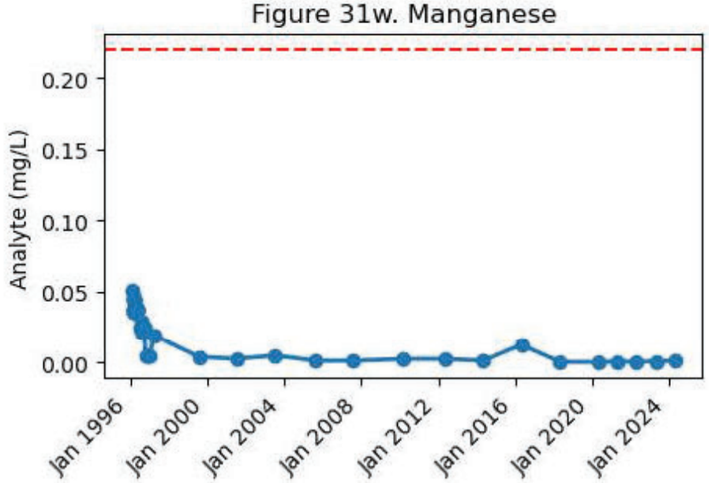

Figure 31x. Mercury

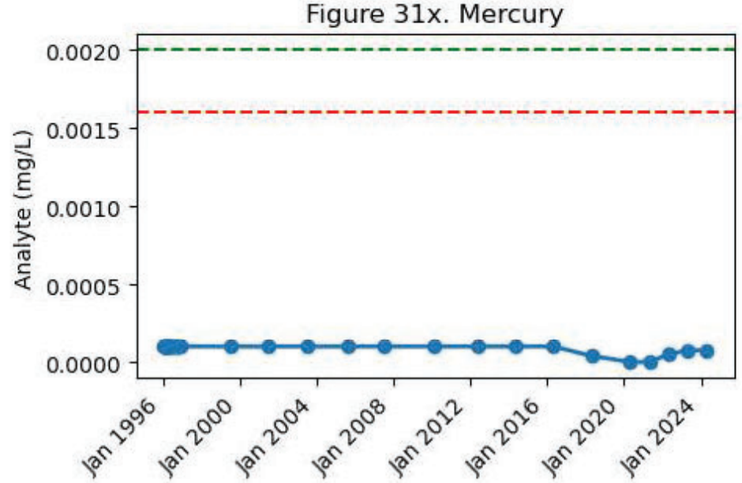

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Figure 31y. Nickel

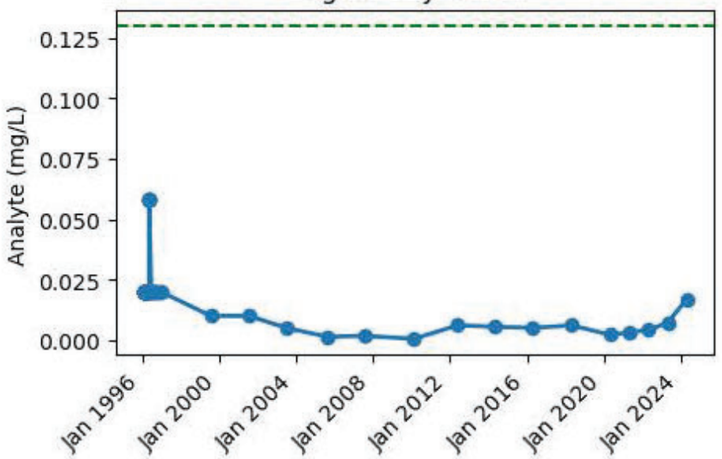


Figure 31z. Nitrate (as N)

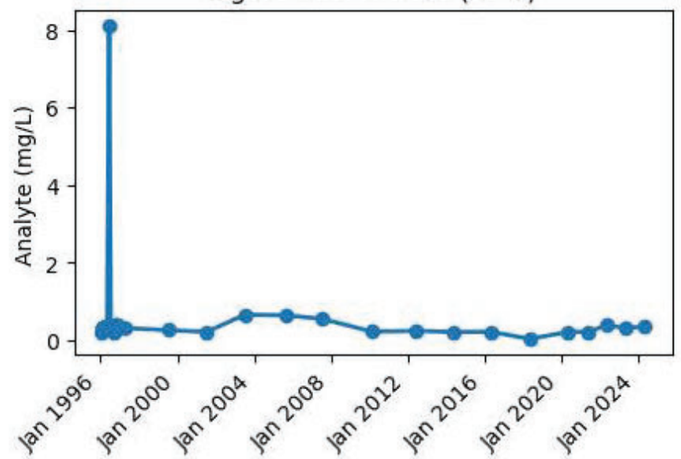


Figure 31aa. pH, Field

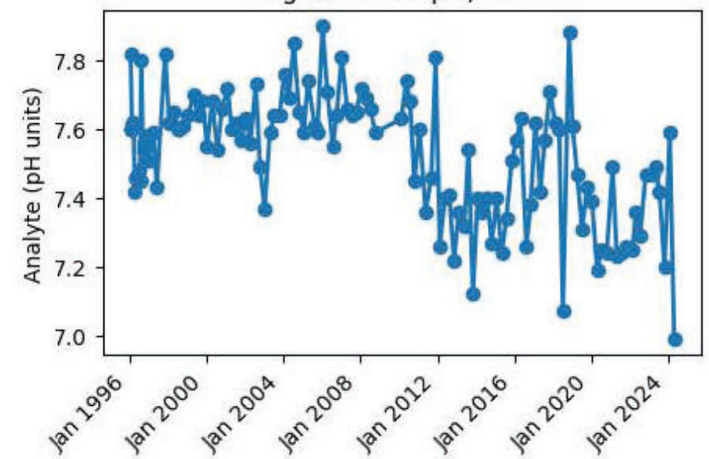


Figure 31ab. Potassium

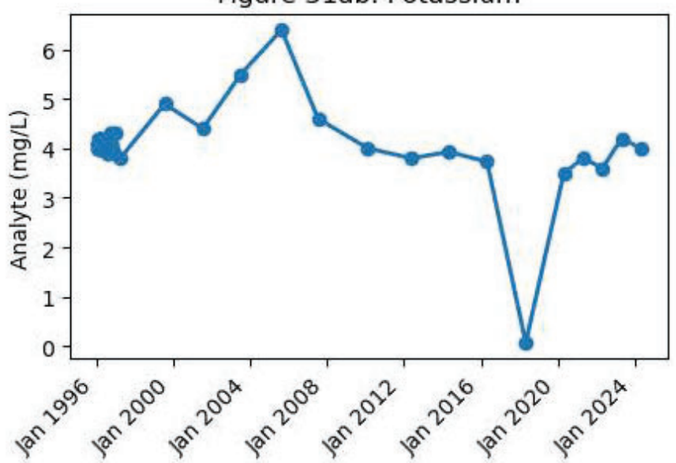


Figure 31ac. Radium-226 & 228

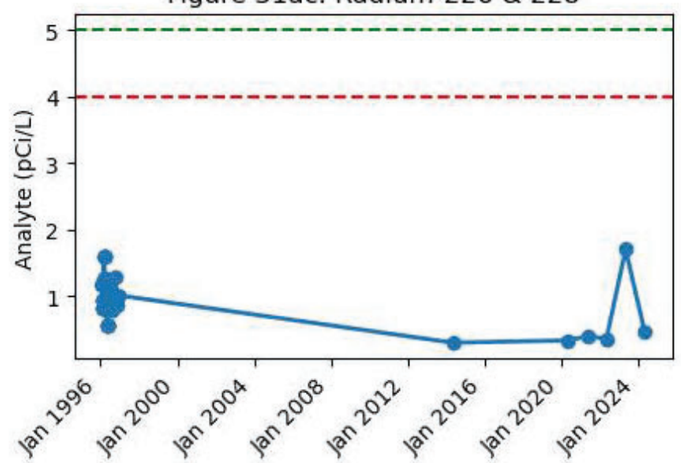


Figure 31ad. Selenium

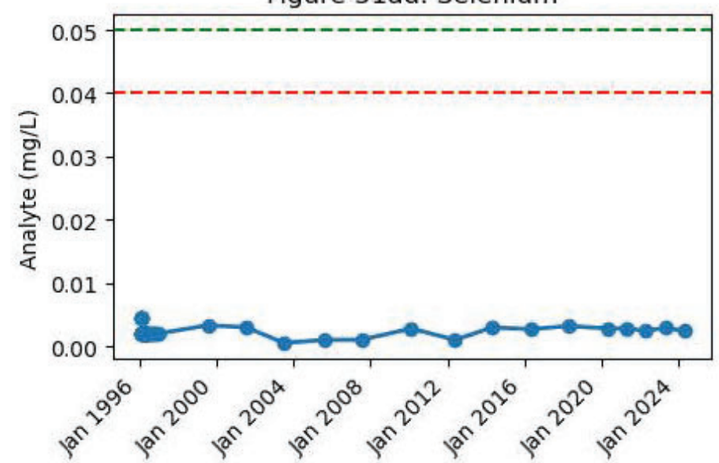


Figure 31ae. Sodium

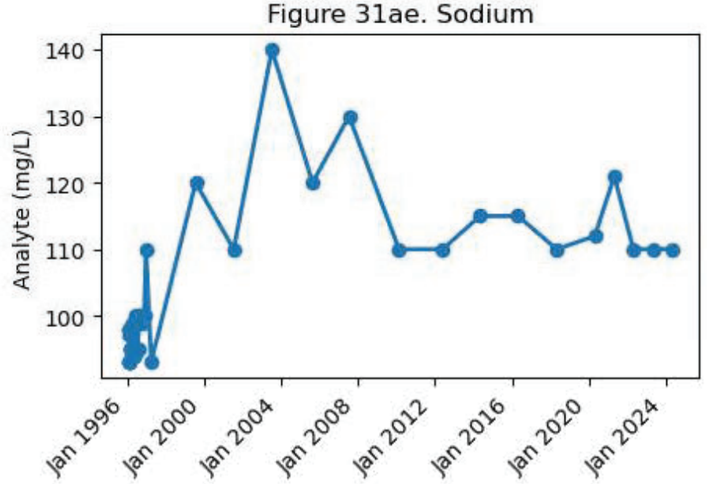
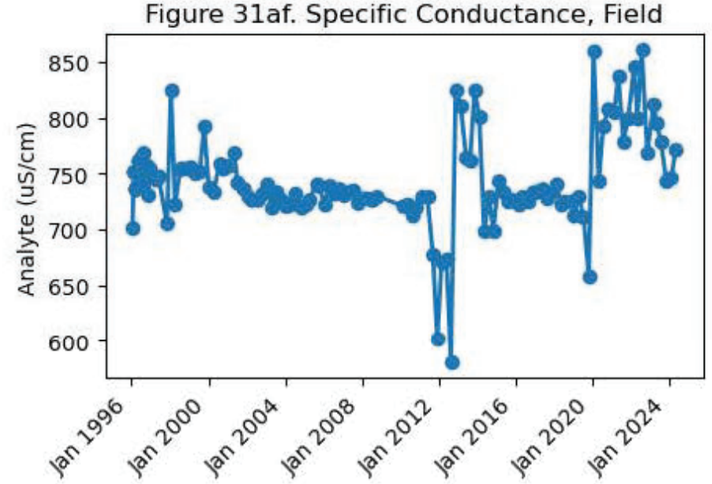


Figure 31af. Specific Conductance, Field



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AQL (APP & UIC)
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Figure 31ag. Sulfate

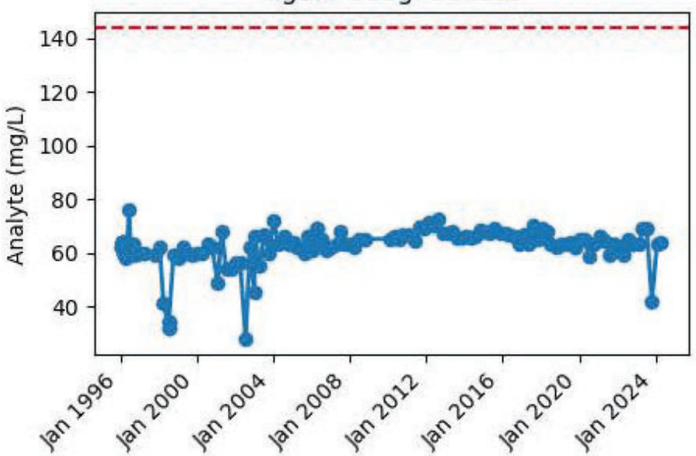

Figure 31ah. Temperature, Field

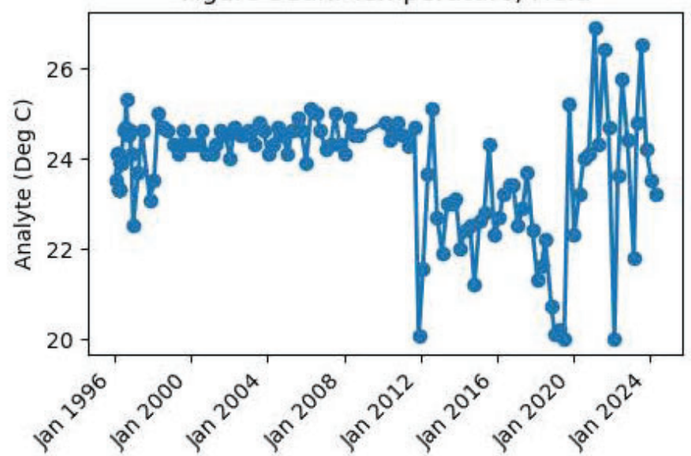

Figure 31ai. Thallium

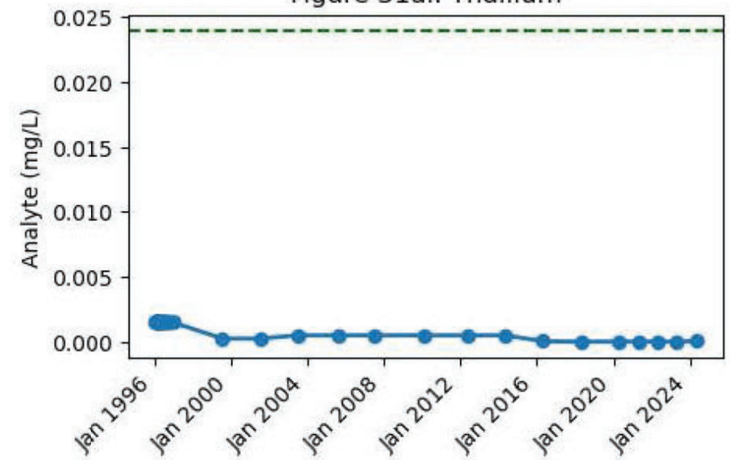

Figure 31aj. Toluene

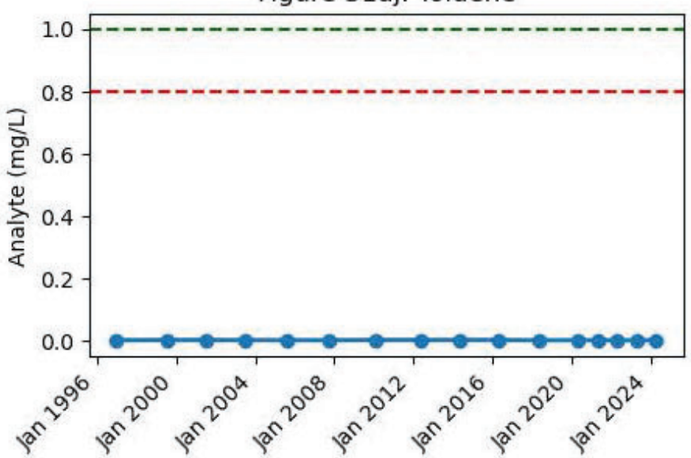

Figure 31ak. Total Dissolved Solids (TDS)

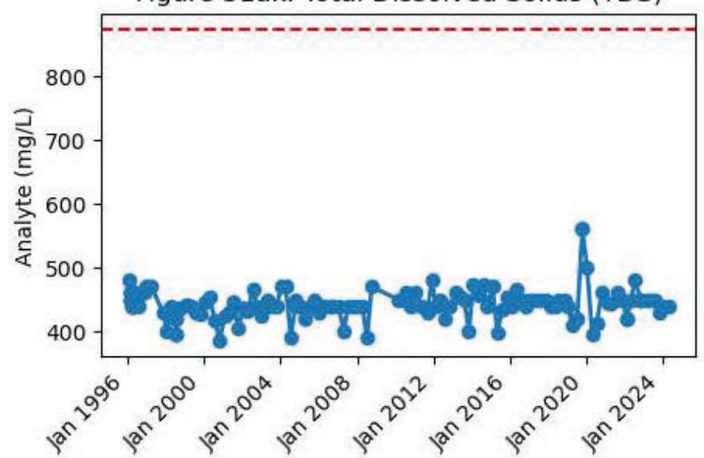

Figure 31al. Total Petroleum Hydrocarbons (C10-C22) Diesel

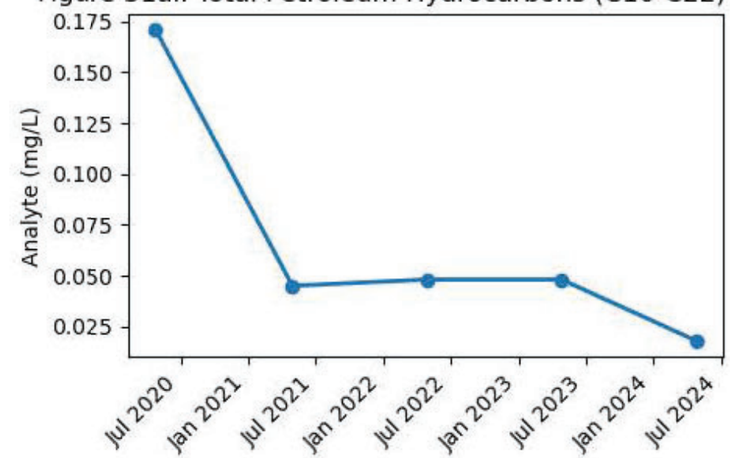

Figure 31am. Turbidity, Field

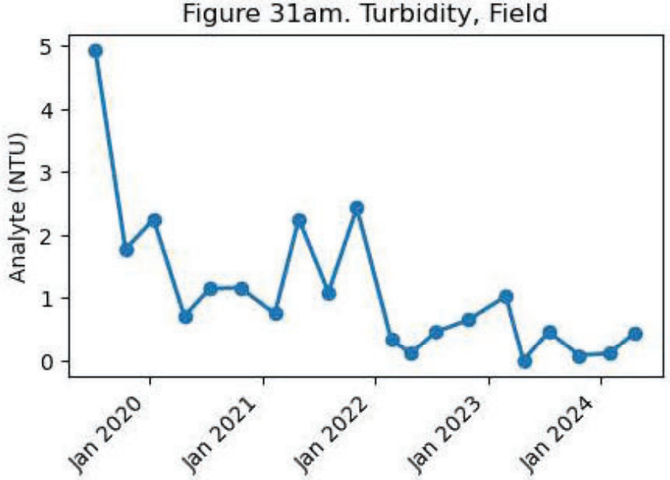

Figure 31an. Uranium

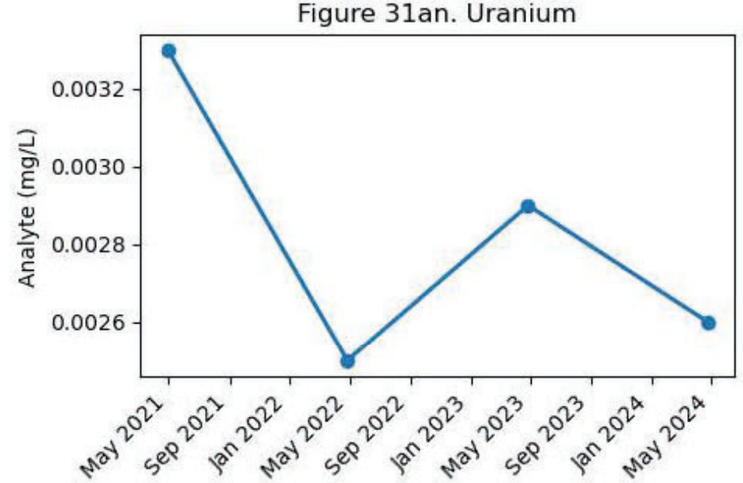

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Figure 31ao. Xylene (Total)

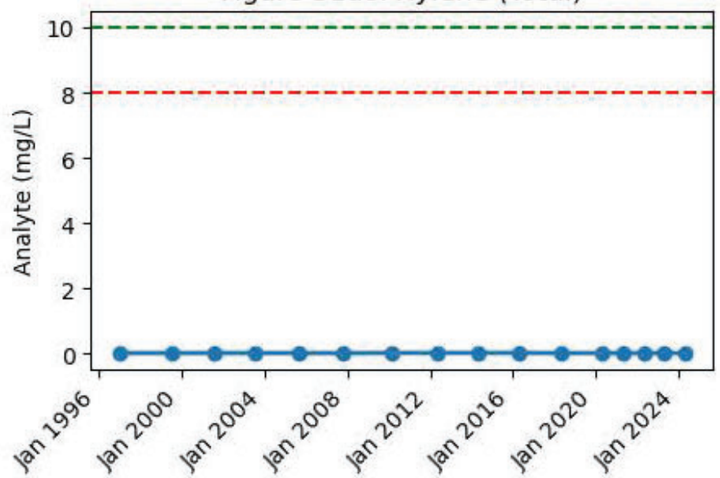


Figure 31ap. Zinc

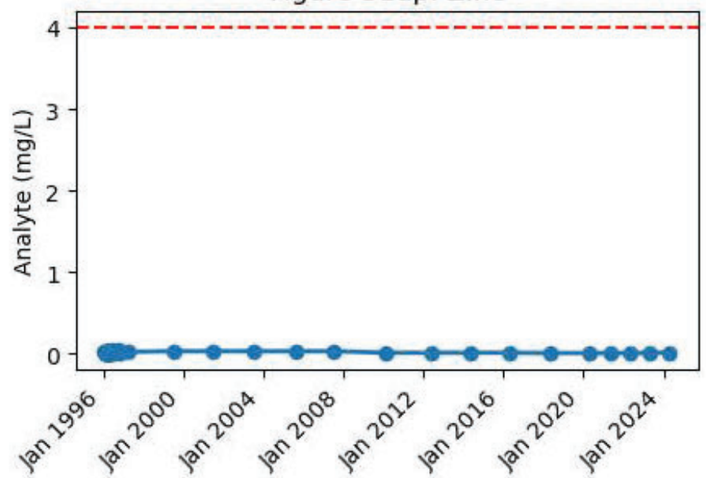


Figure 31aq. Total Uranium Isotopes

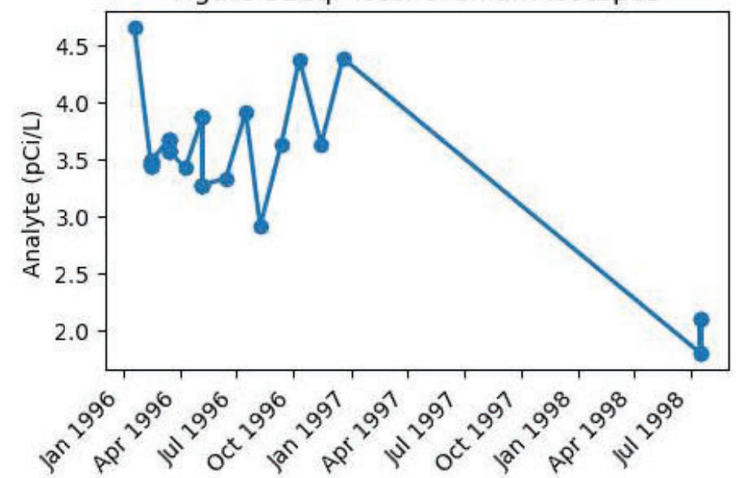
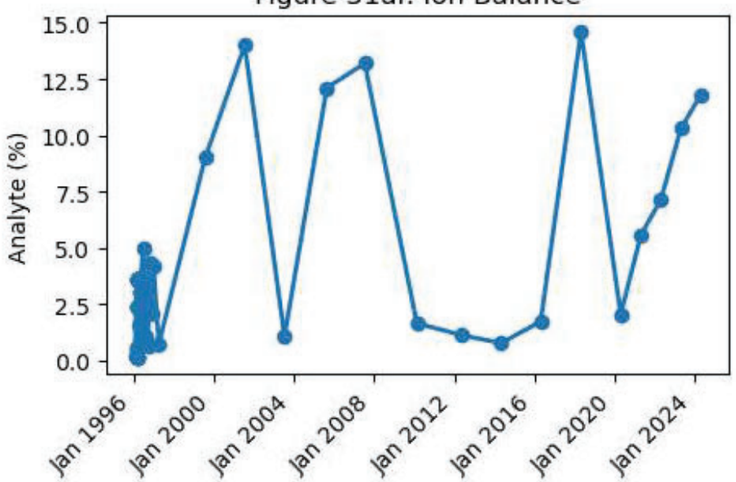


Figure 31ar. Ion Balance



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P49-O Quarterly Analyte Graphs

Figure 32a. Alkalinity, Bicarbonate

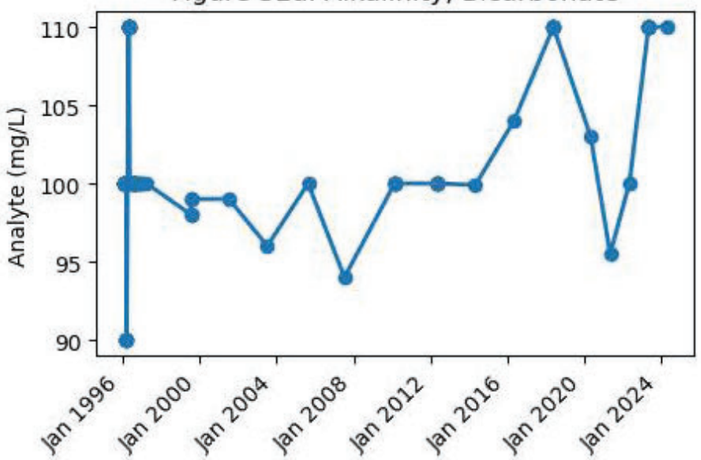

Figure 32b. Alkalinity, Carbonate

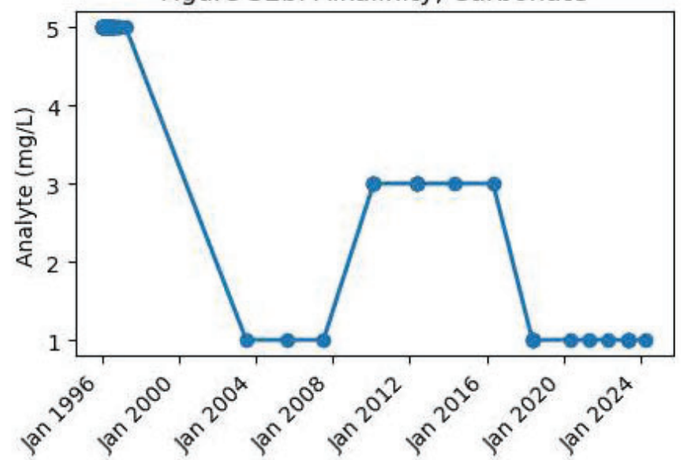

Figure 32c. Alkalinity, Hydroxide

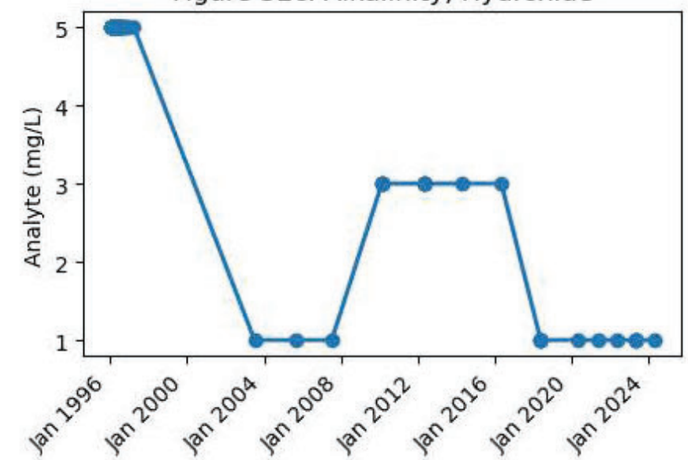

Figure 32d. Alkalinity, Total (as CaCO3)

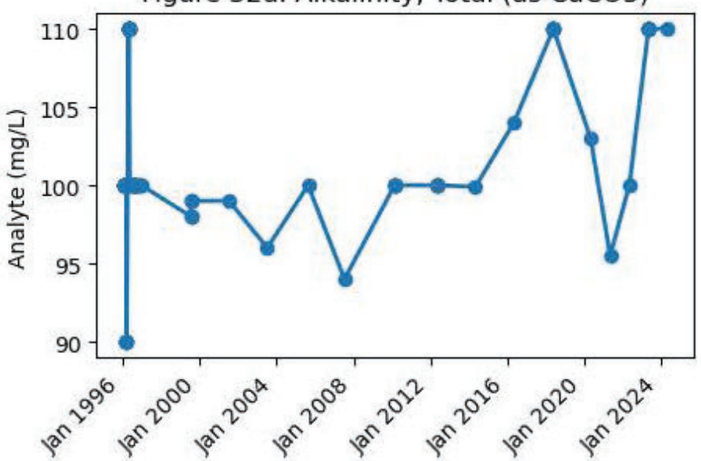

Figure 32e. Aluminum

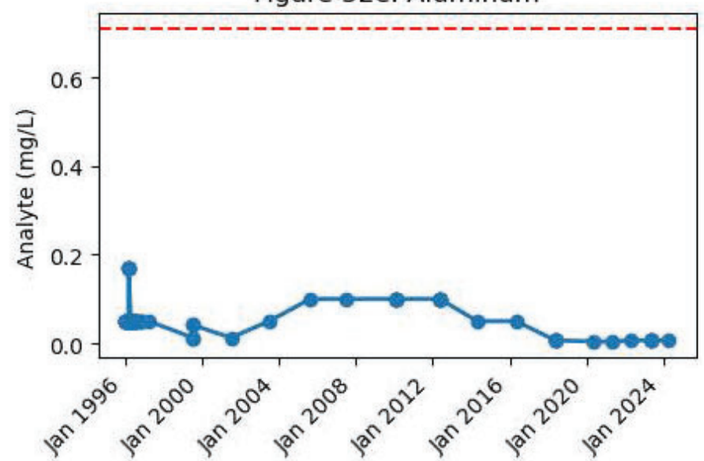

Figure 32f. Antimony

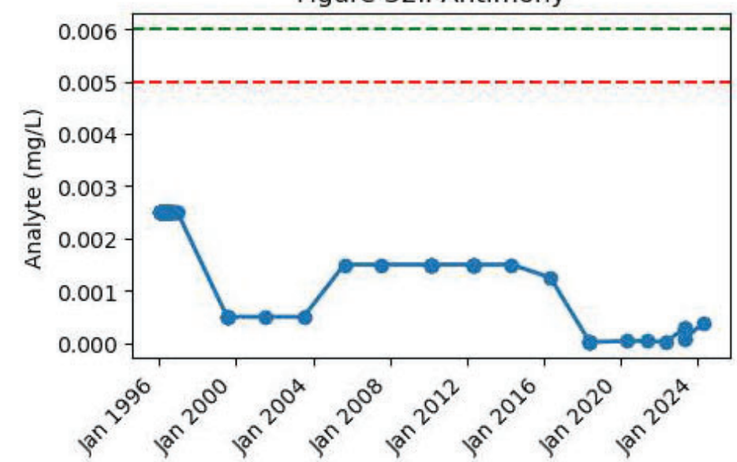

Figure 32g. Arsenic

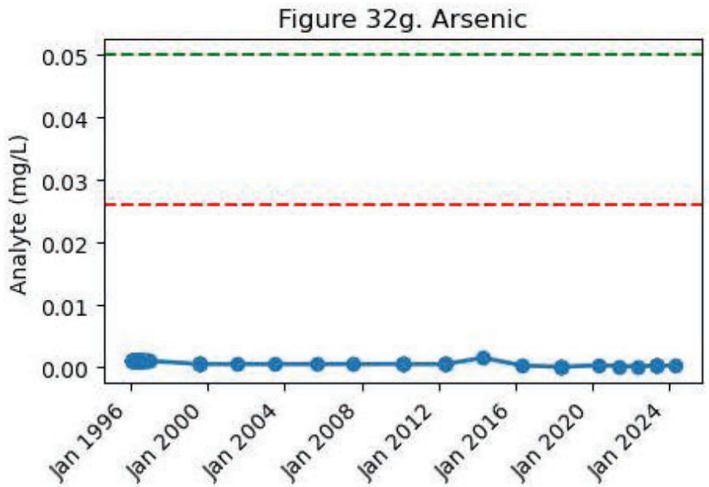

Figure 32h. Barium

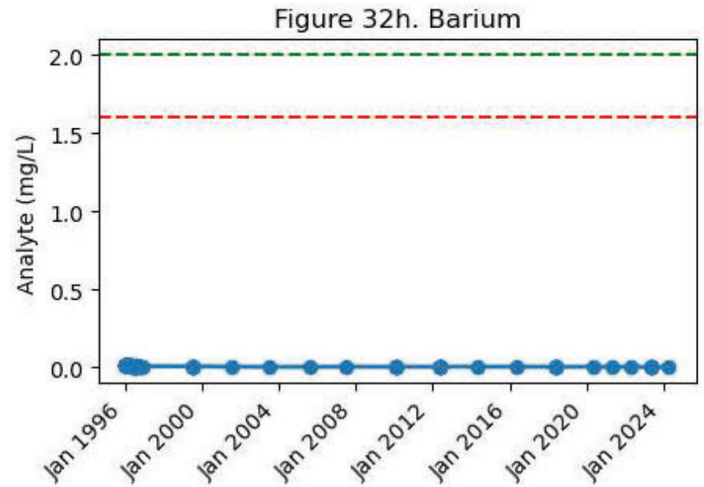

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Figure 32i. Benzene

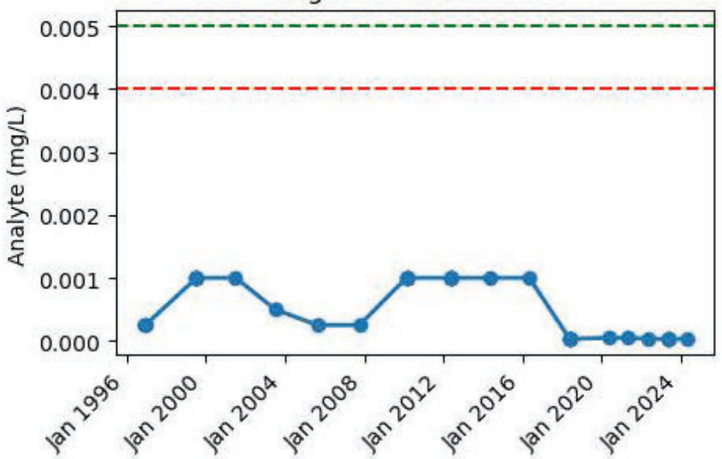


Figure 32j. Beryllium

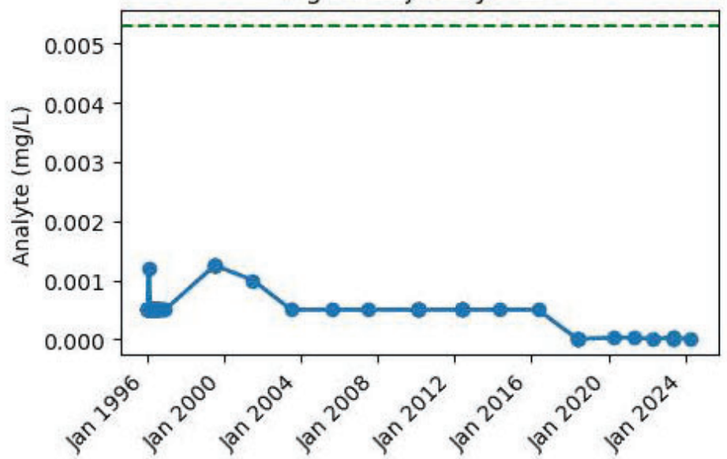


Figure 32k. Cadmium

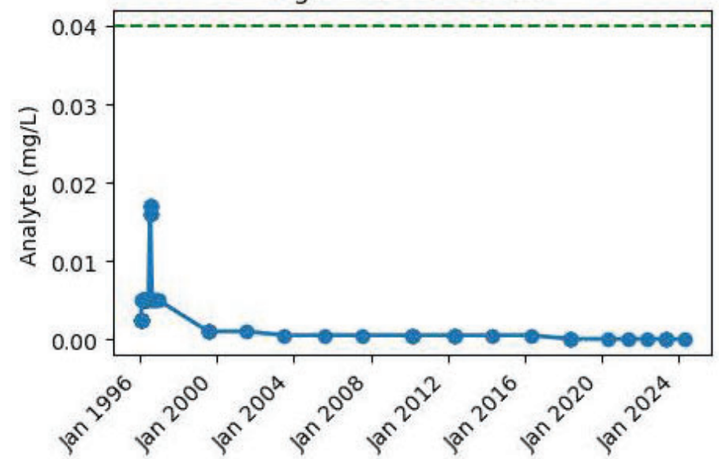


Figure 32l. Calcium

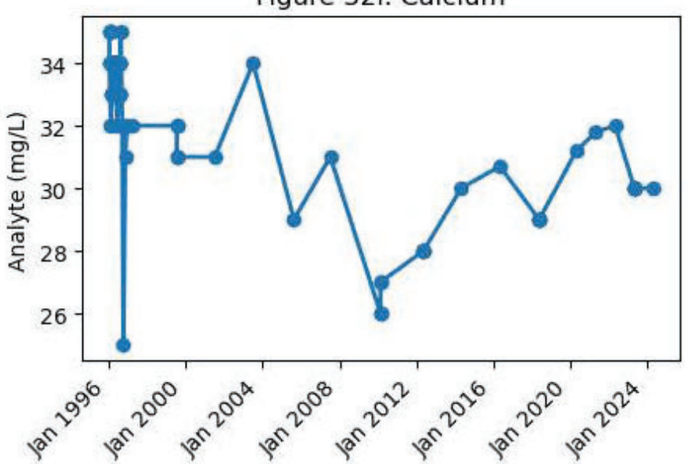


Figure 32m. Chloride

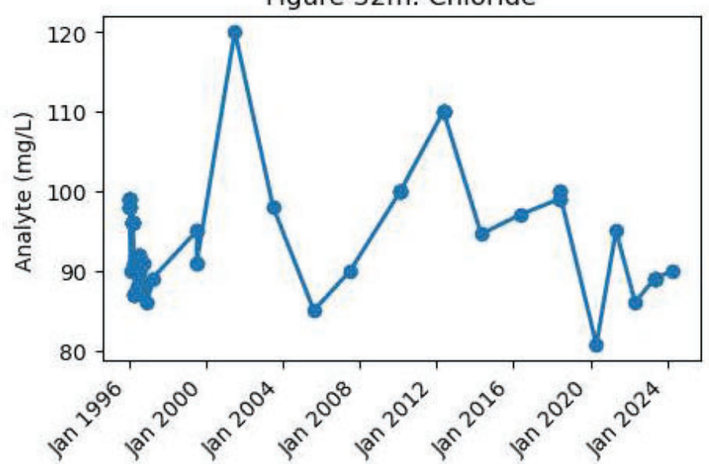


Figure 32n. Chromium

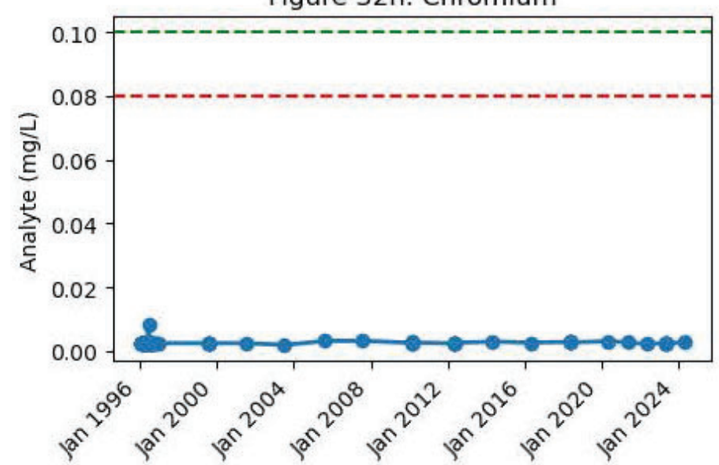


Figure 32o. Cobalt

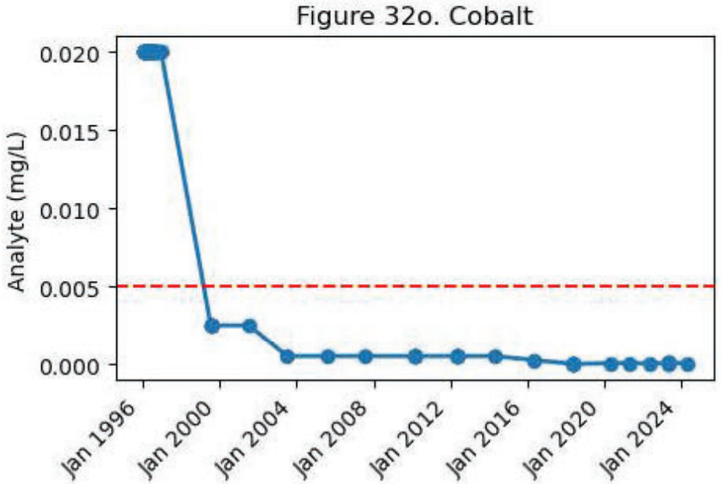
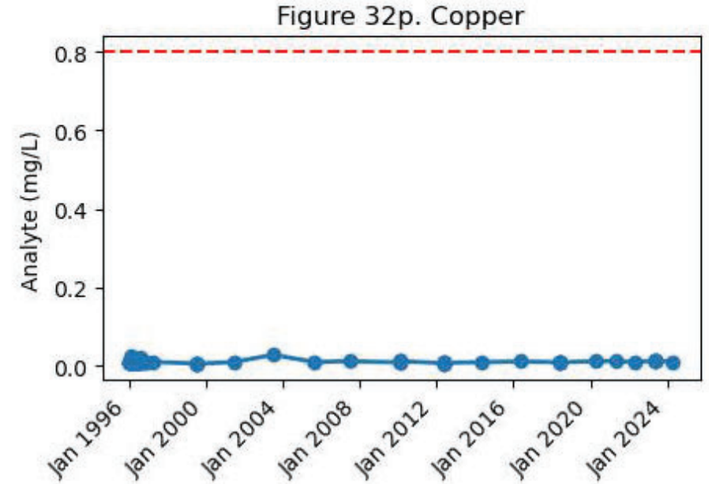


Figure 32p. Copper



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P49-O Quarterly Analyte Graphs

Figure 32q. Ethylbenzene

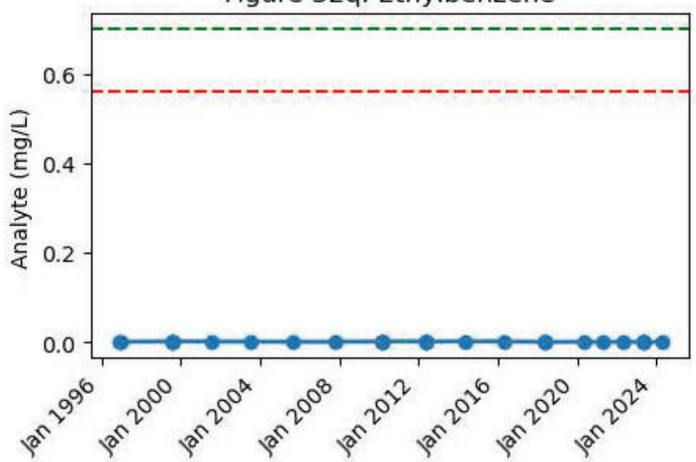

Figure 32r. Fluoride

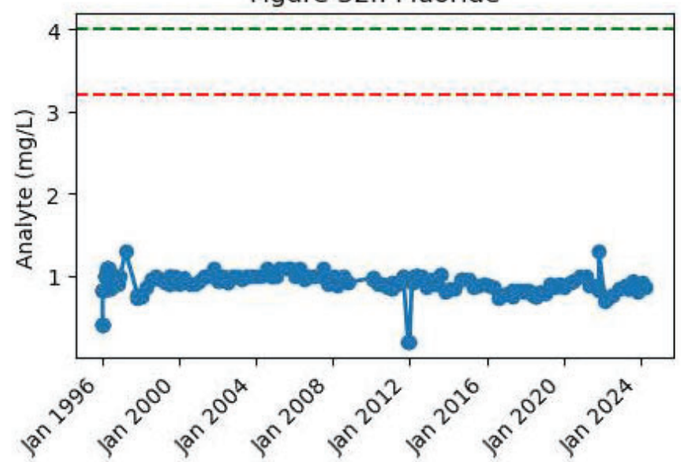

Figure 32s. Gross Alpha Analytes

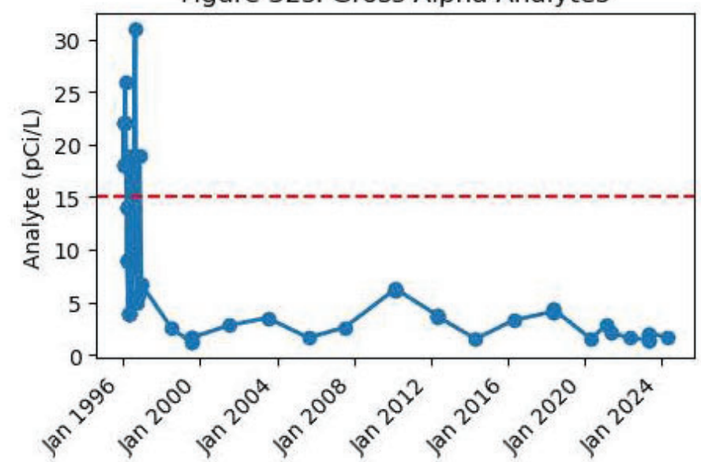

Figure 32t. Iron

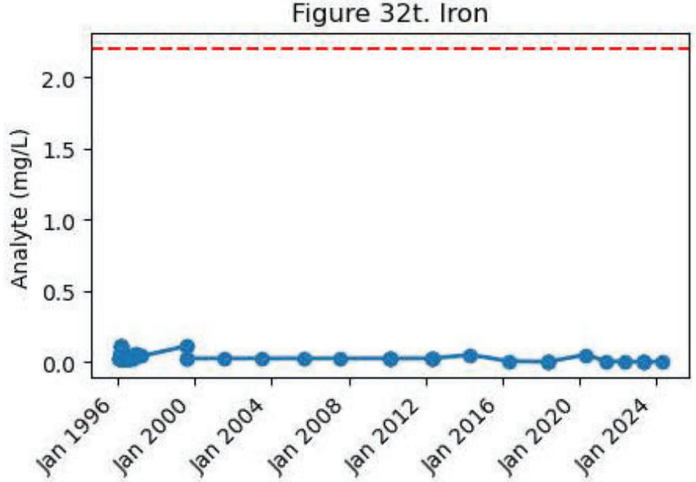

Figure 32u. Lead

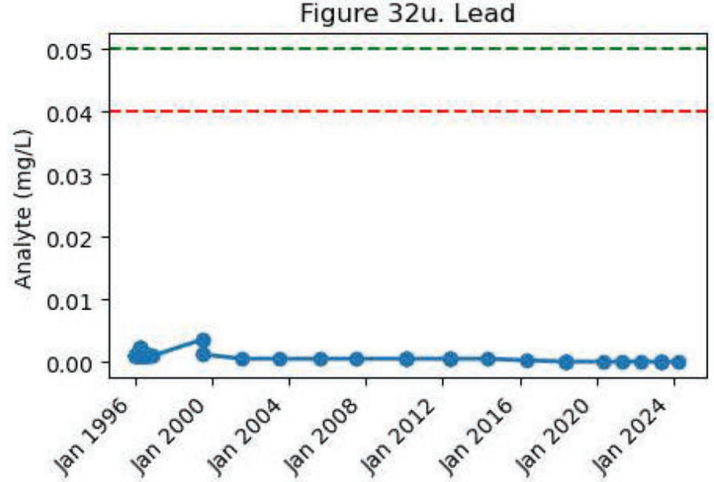

Figure 32v. Magnesium

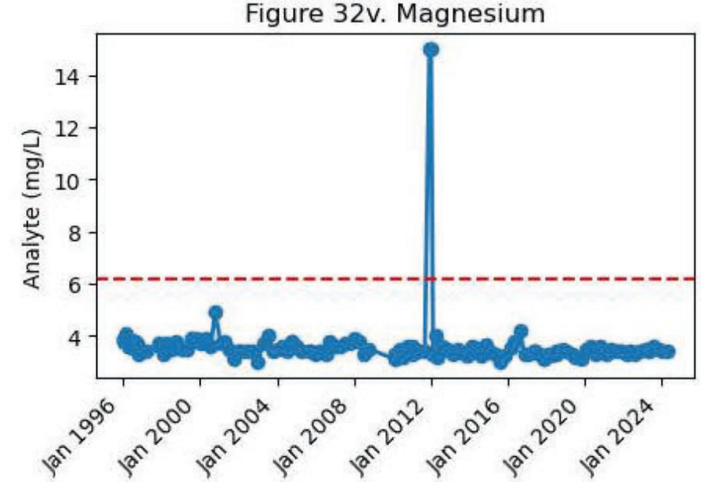

Figure 32w. Manganese

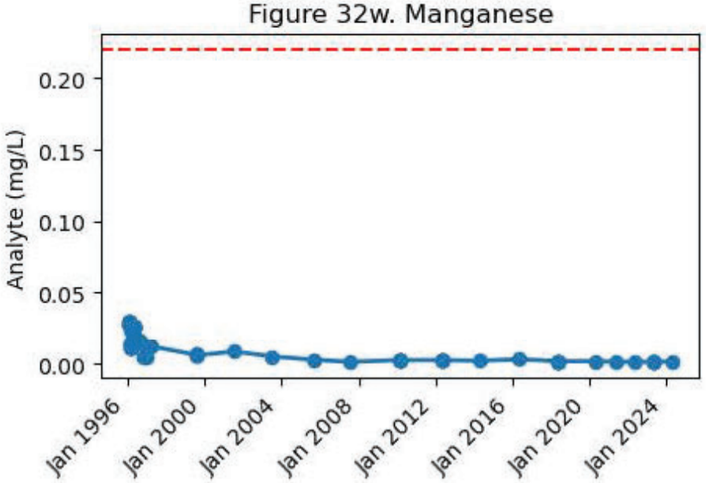

Figure 32x. Mercury

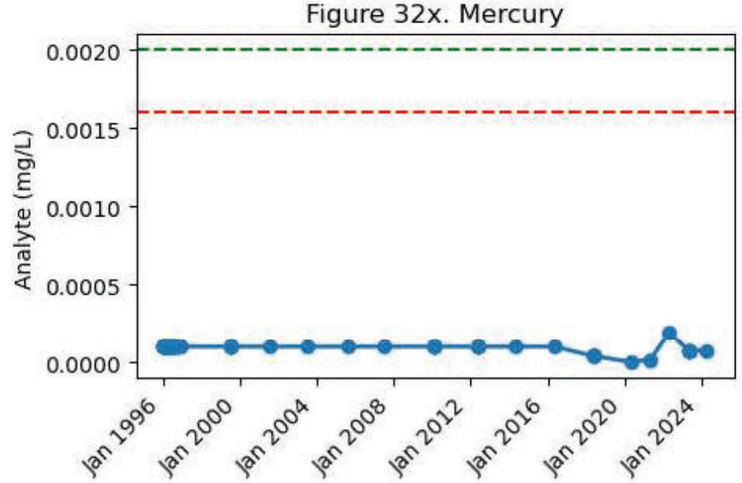

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Figure 32y. Nickel

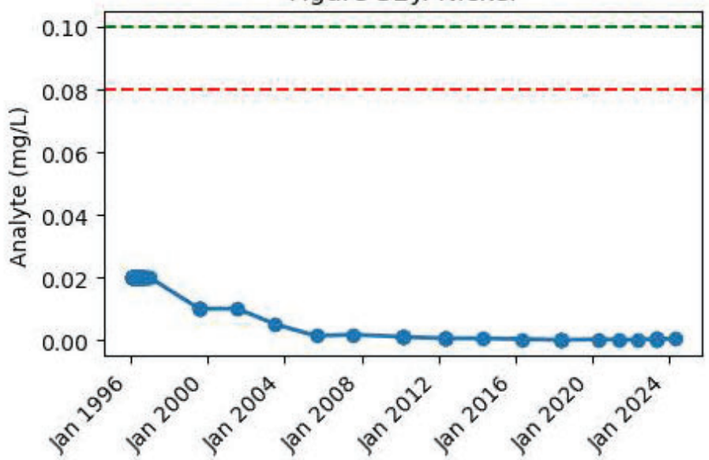

Figure 32z. Nitrate (as N)

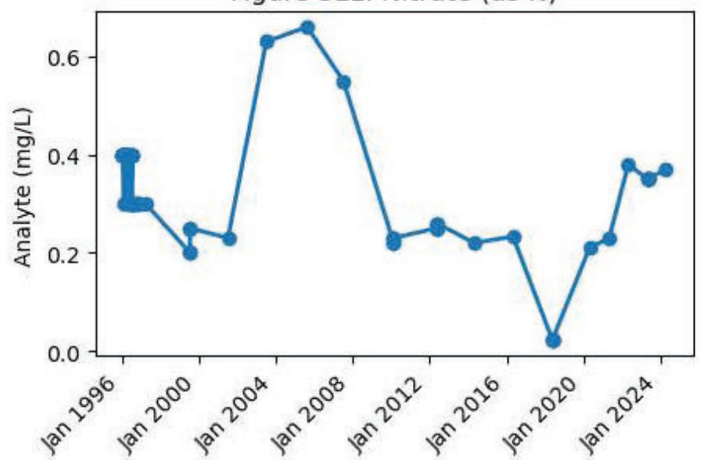

Figure 32aa. pH, Field

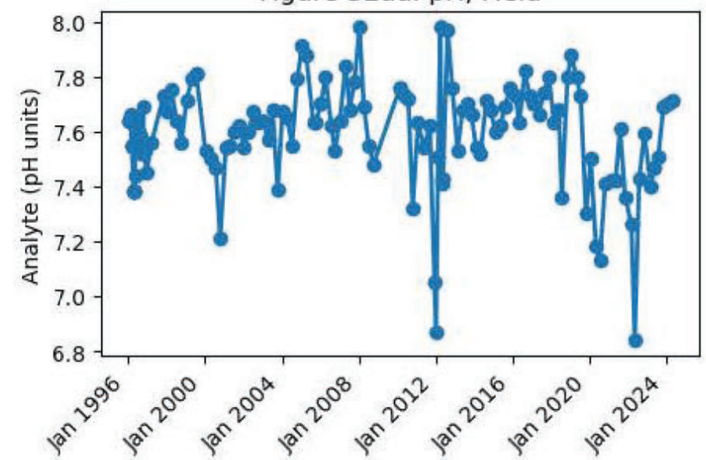

Figure 32ab. Potassium

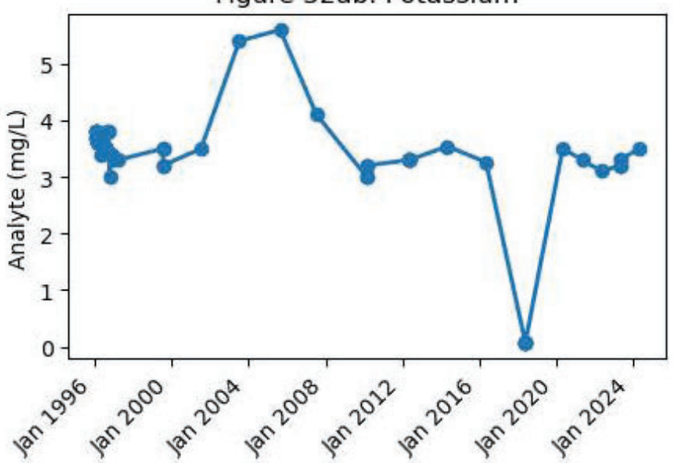

Figure 32ac. Radium-226 & 228

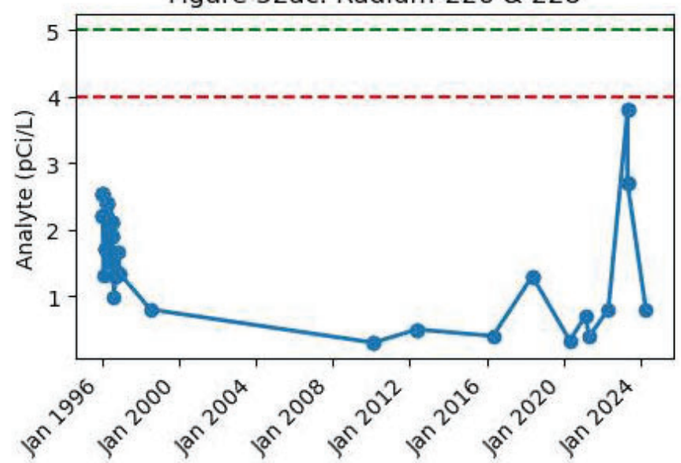

Figure 32ad. Selenium

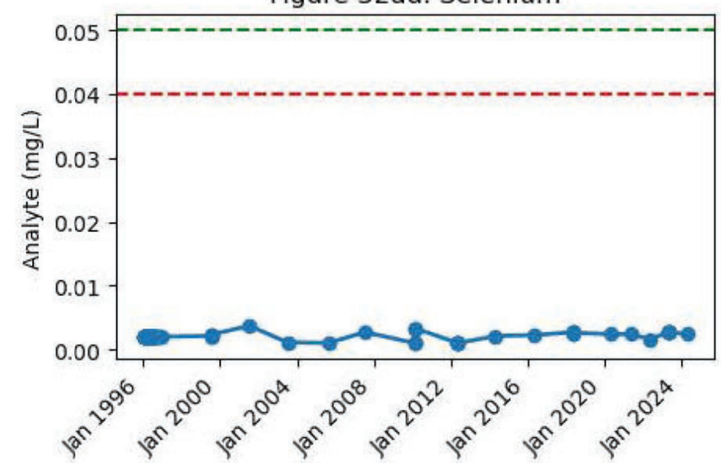

Figure 32ae. Sodium

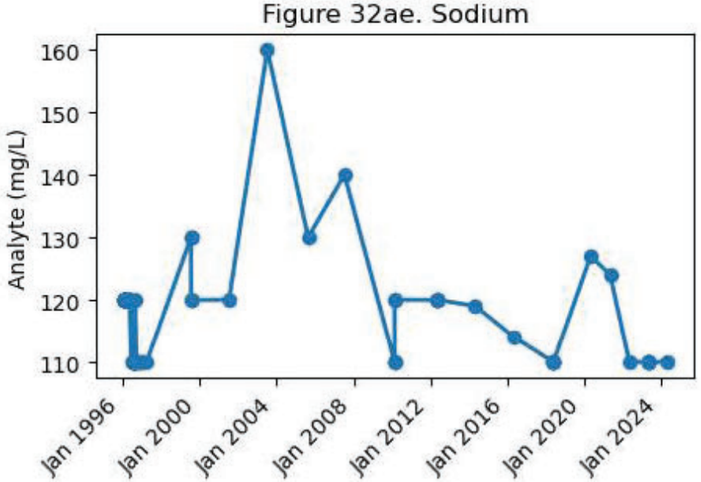

Figure 32af. Specific Conductance, Field

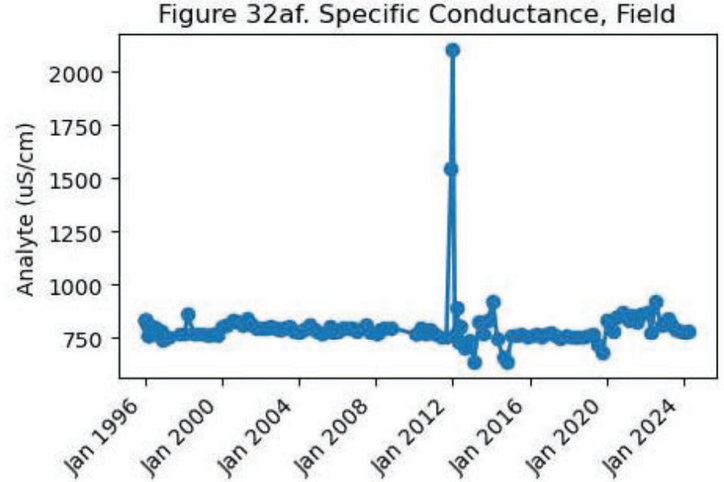

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Figure 32ag. Sulfate

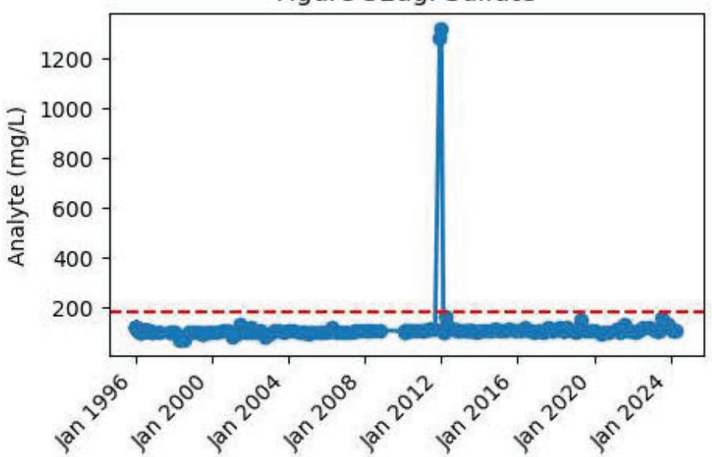


Figure 32ah. Temperature, Field

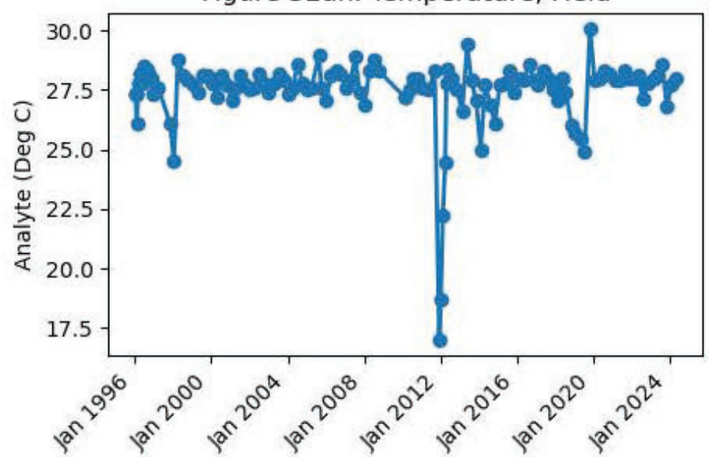


Figure 32ai. Thallium

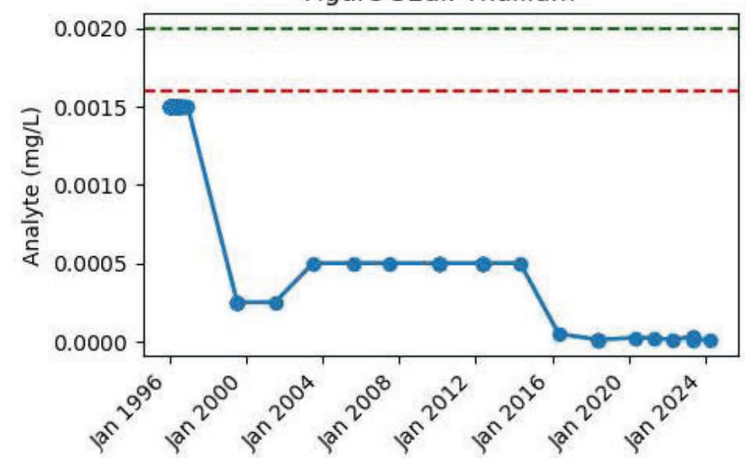


Figure 32aj. Toluene

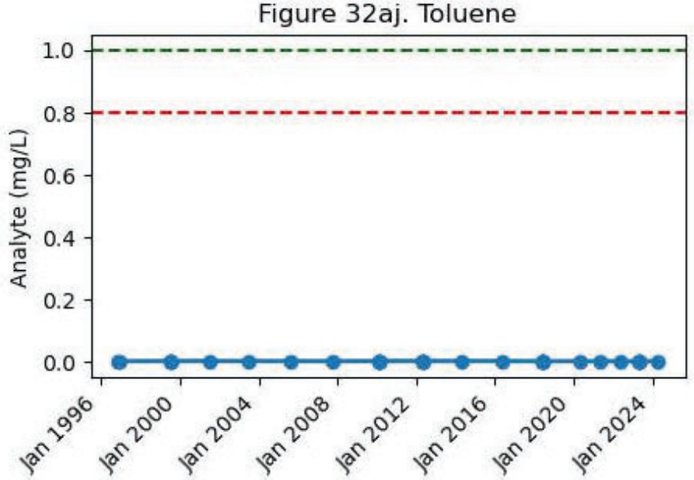


Figure 32ak. Total Dissolved Solids (TDS)

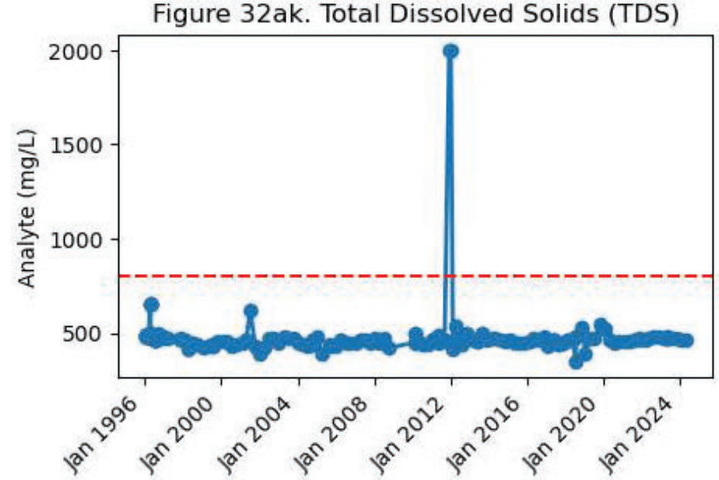


Figure 32al. Total Petroleum Hydrocarbons (C10-C22) Diesel

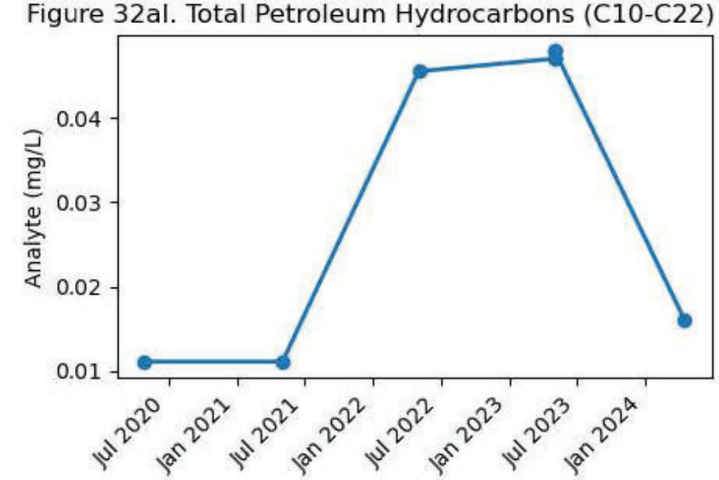


Figure 32am. Turbidity, Field

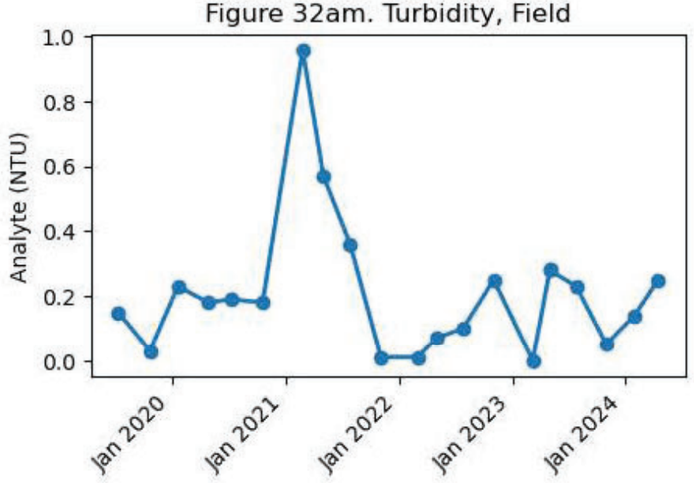
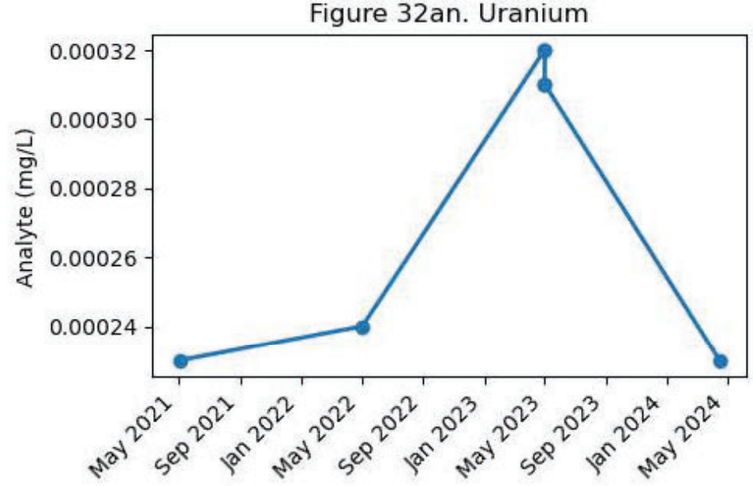


Figure 32an. Uranium



AL (APP & UIC)
AQL (APP & UIC)
Analyte

Notes:
AL = Alert Level
AQL = Aquifer Quality Limit
APP = Aquifer Protection Permit No. P-101704
UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY19-1
Displayed ALs and AQLs represent the current reporting period

P49-O Quarterly Analyte Graphs

Figure 32ao. Xylene (Total)

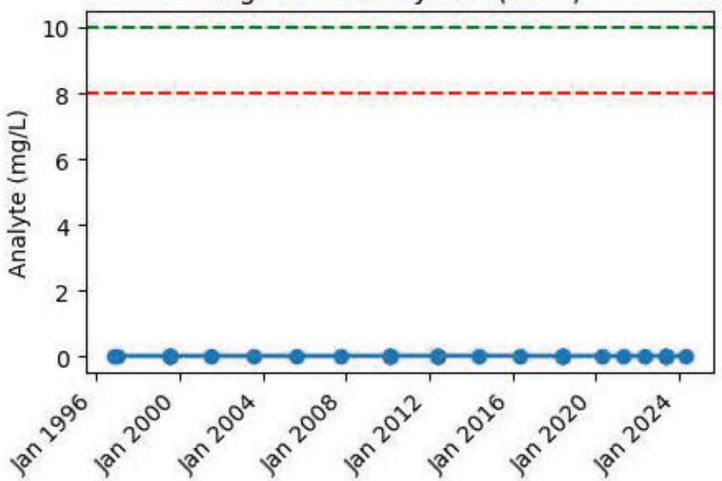


Figure 32ap. Zinc

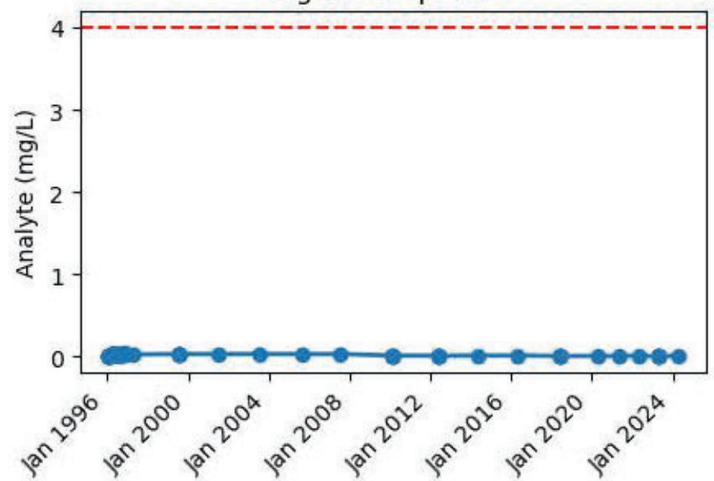


Figure 32aq. Total Uranium Isotopes

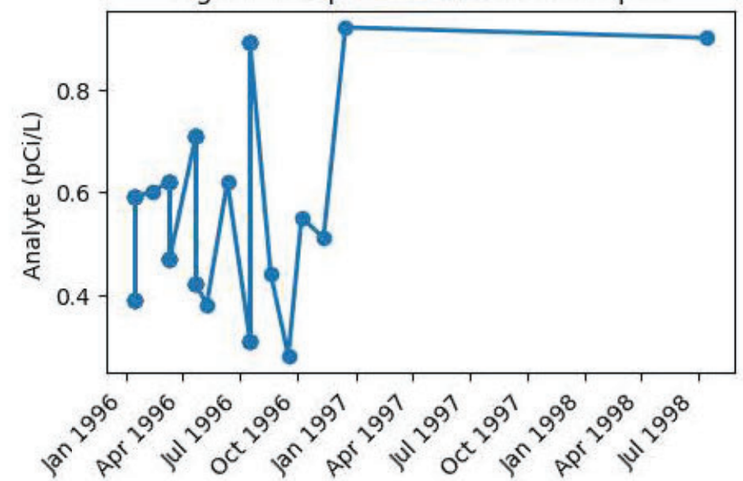
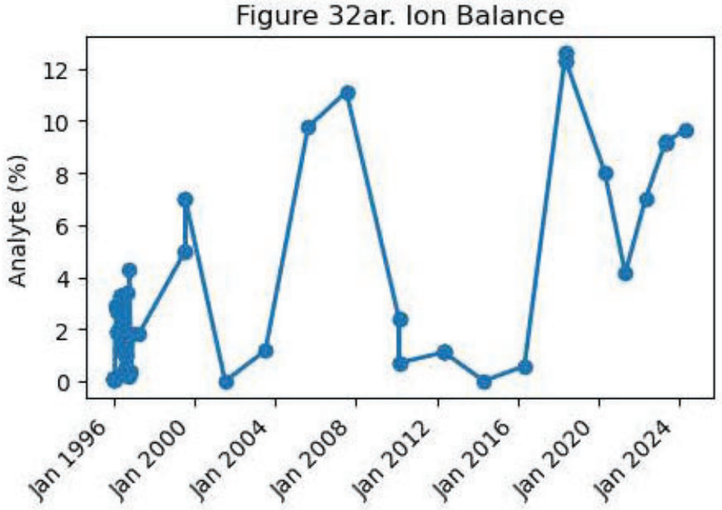


Figure 32ar. Ion Balance



Notes:
AL = Alert Level
AQL = Aquifer Quality Limit
APP = Aquifer Protection Permit No. P-101704
UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY19-1
Displayed ALs and AQLs represent the current reporting period

Water Level Analysis

Figure 33a. M14-GL

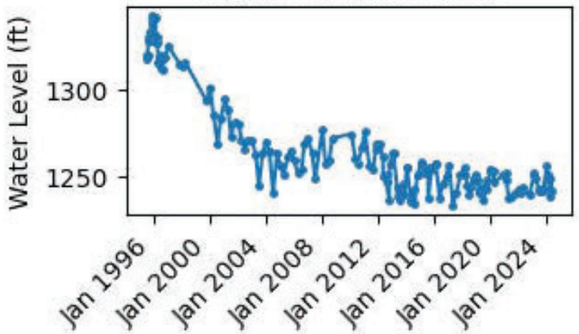


Figure 33b. M15-GU

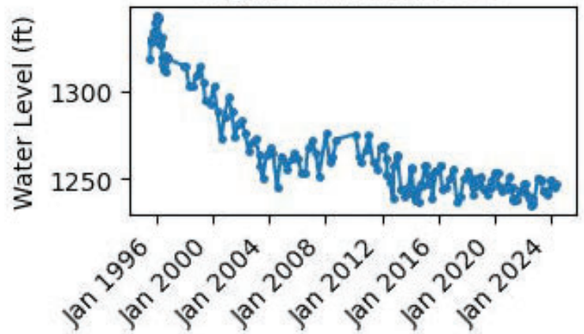


Figure 33c. M16-GU(R)

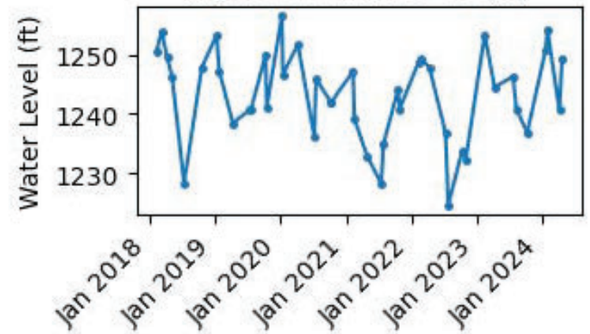


Figure 33d. M17-GL

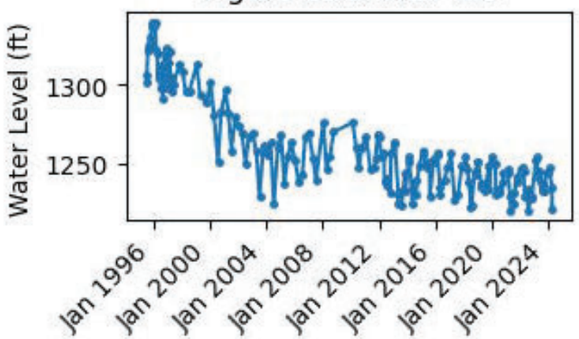


Figure 33e. M18-GU

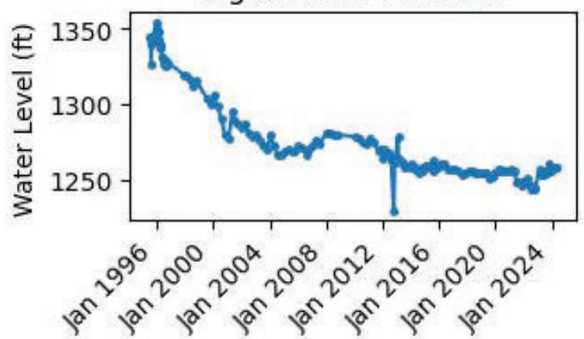


Figure 33f. M19-LBF

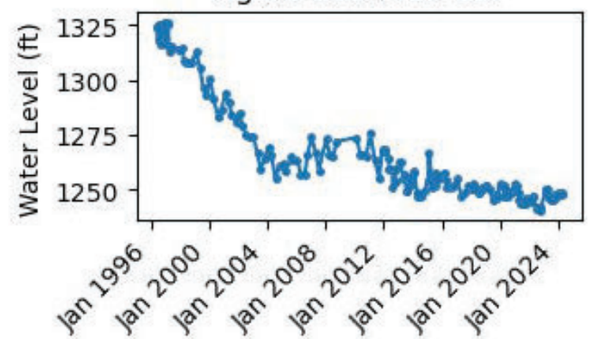


Figure 33g. M1-GL

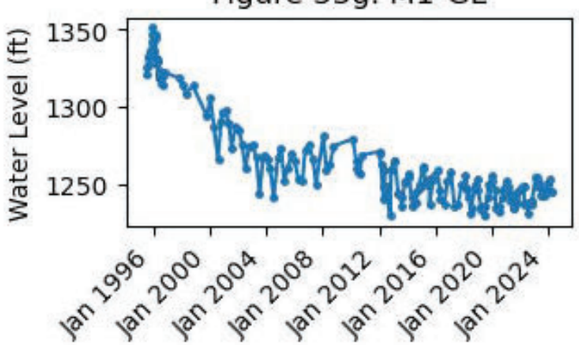


Figure 33h. M20-O(R)

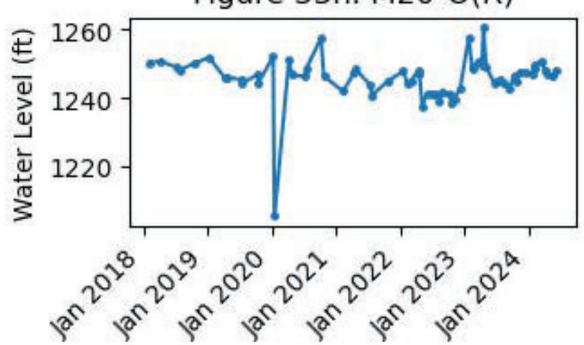


Figure 33i. M21-UBF

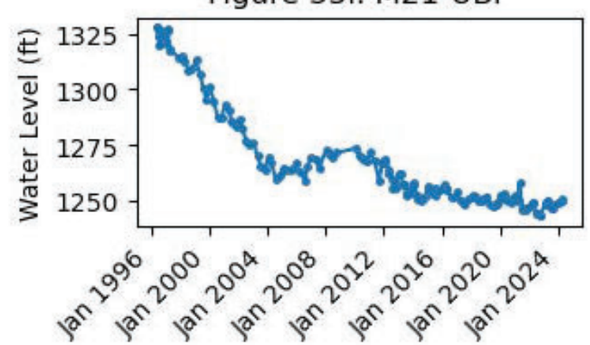


Figure 33j. M22-O

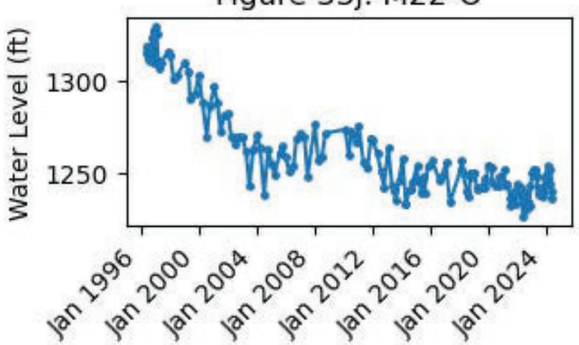
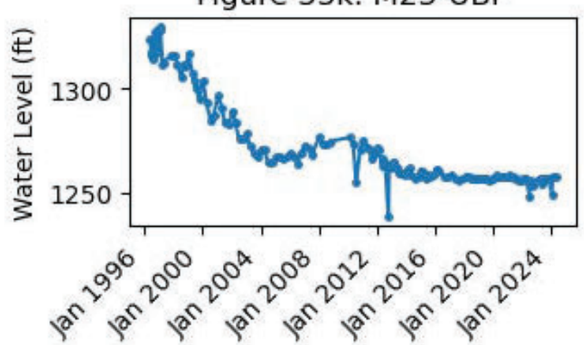


Figure 33k. M23-UBF



Water Level Analysis

Figure 33l. M24-O

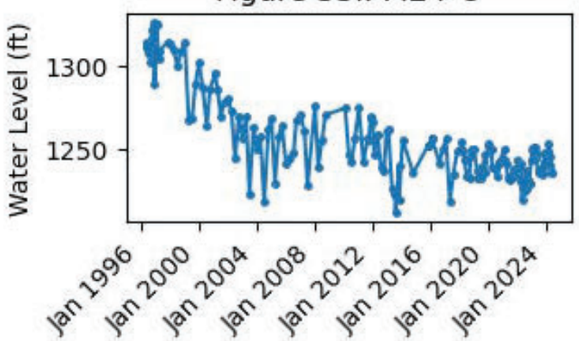


Figure 33m. M25-UBF

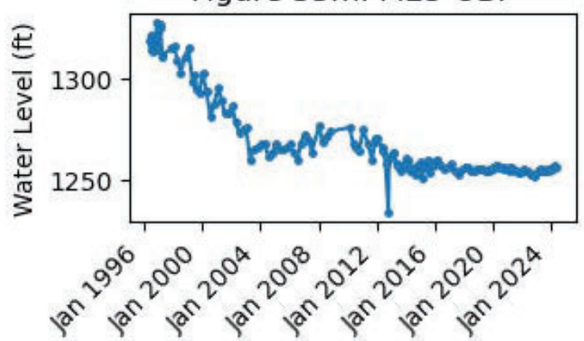


Figure 33n. M26-O

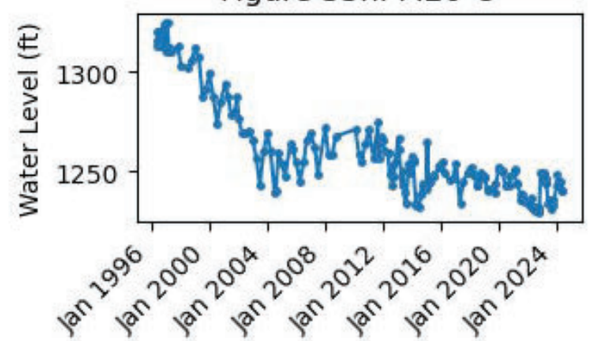


Figure 33o. M27-LBF

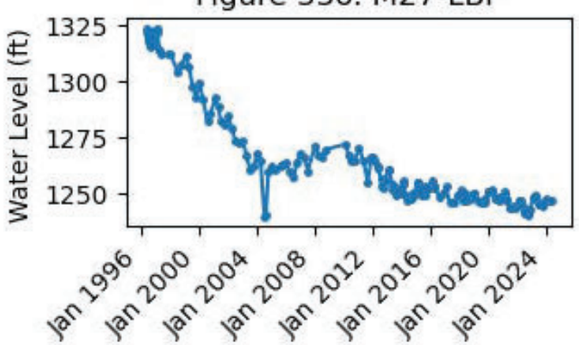


Figure 33p. M28-LBF

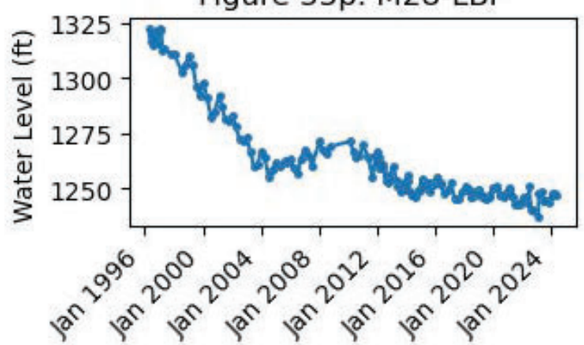


Figure 33q. M29-UBF

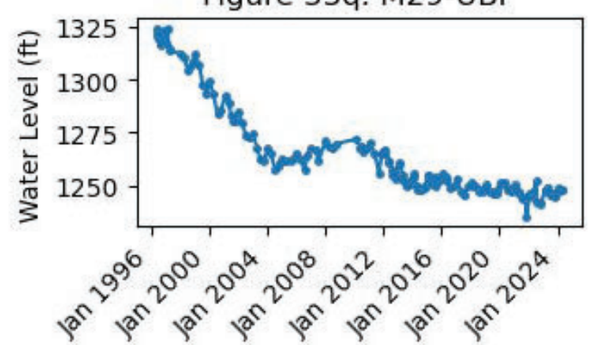


Figure 33r. M2-GU

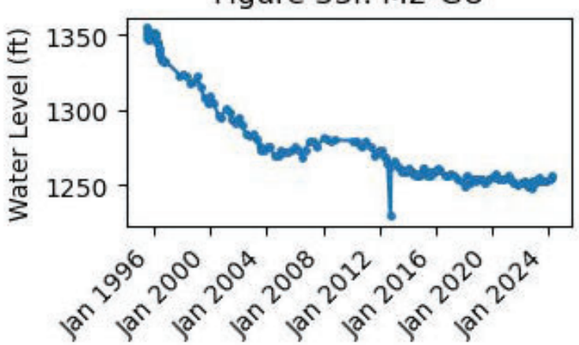


Figure 33s. M30-O

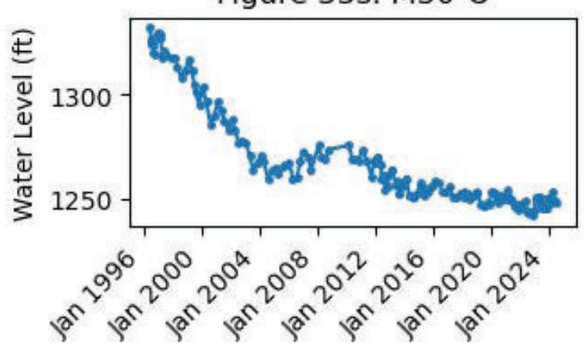


Figure 33t. M31-LBF

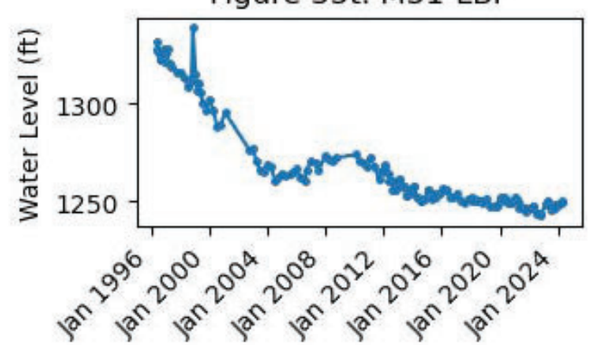


Figure 33u. M3-GL

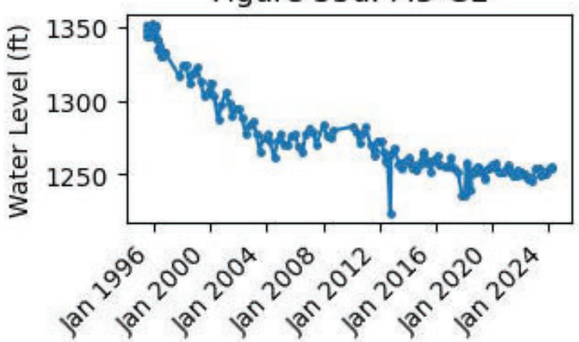
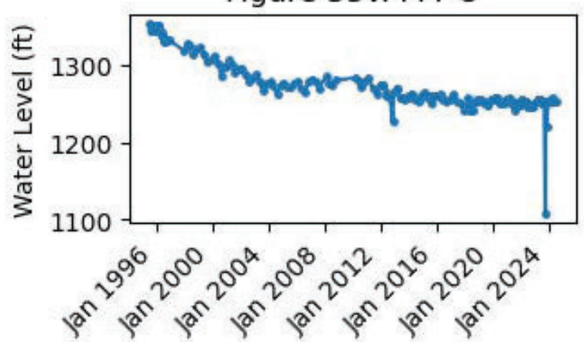


Figure 33v. M4-O



Water Level Analysis

Figure 33w. M52-UBF

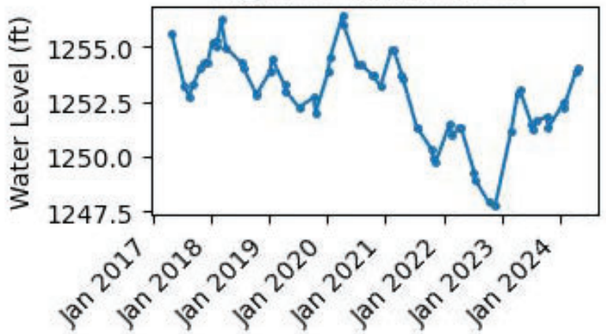


Figure 33x. M54-LBF

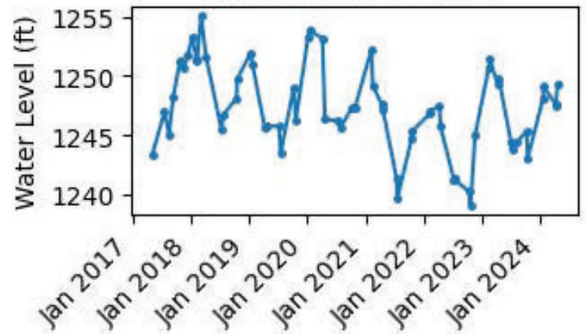


Figure 33y. M54-O

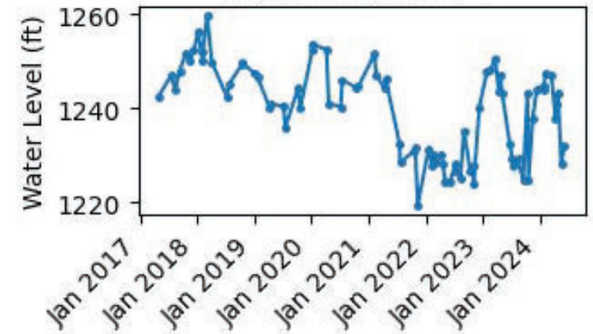


Figure 33z. M6-GU

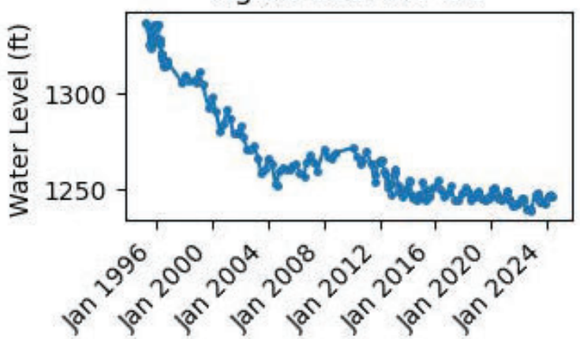


Figure 33aa. M7-GL

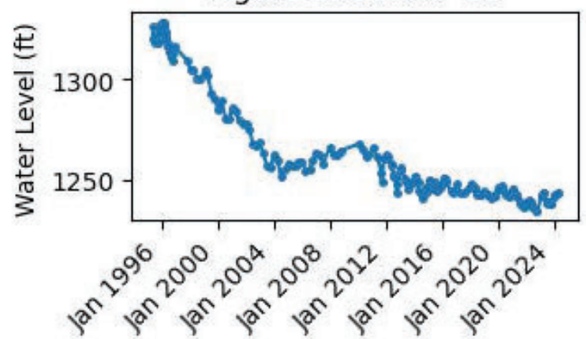


Figure 33ab. M8-O

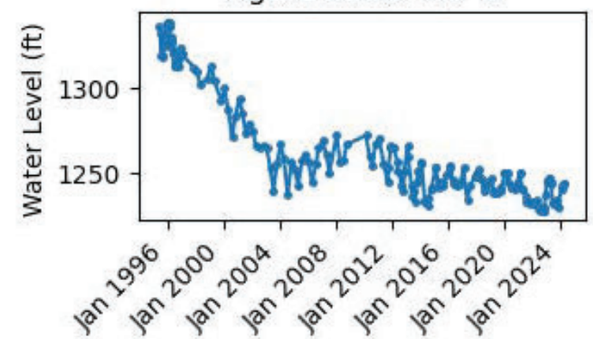


Figure 33ac. O19-GL

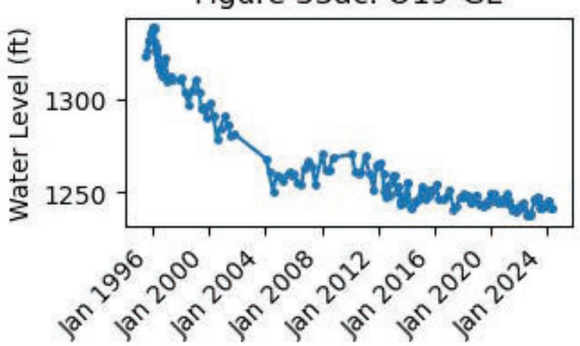


Figure 33ad. O49-GL(R)

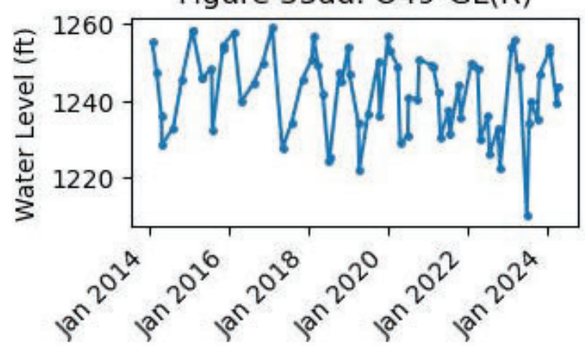


Figure 33ae. P19-1-O

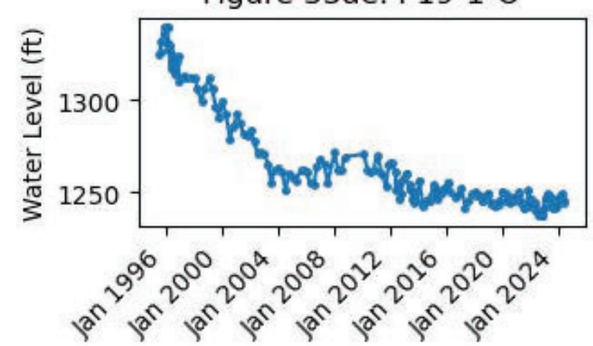
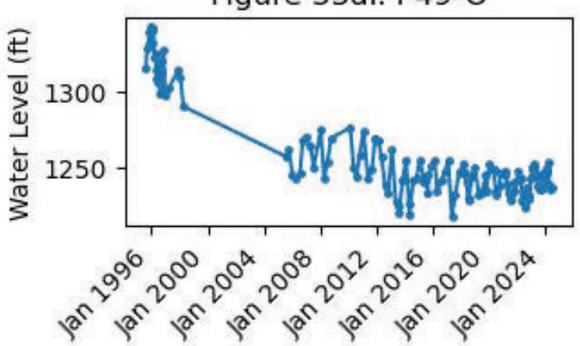


Figure 33af. P49-O



ATTACHMENT 5B

Well Details and Water Level Elevations

TABLE 1
SUMMARY OF QUARTERLY WATER LEVELS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M1-GL	04/08/2024	216.80	TOC	1461.75	1244.95
M1-GL	04/15/2024	217.01	TOC	1461.75	1244.74
M2-GU	04/08/2024	204.97	TOC	1460.80	1255.83
M2-GU	04/11/2024	205.45	TOC	1460.80	1255.35
M3-GL	04/08/2024	206.65	TOC	1460.74	1254.09
M3-GL	04/11/2024	205.91	TOC	1460.74	1254.83
M4-O	04/08/2024	207.62	TOC	1460.60	1252.98
M4-O	04/11/2024	207.87	TOC	1460.60	1252.73
M4-O	05/14/2024	208.75	TOC	1460.60	1251.85
M4-O	06/03/2024	208.61	TOC	1460.60	1251.99
M6-GU	04/08/2024	235.93	TOC	1482.45	1246.52
M6-GU	04/16/2024	236.70	TOC	1482.45	1245.75
M7-GL	04/08/2024	237.67	TOC	1481.22	1243.55
M7-GL	04/16/2024	237.85	TOC	1481.22	1243.37
M8-O	04/08/2024	237.10	TOC	1480.46	1243.36
M8-O	04/16/2024	237.05	TOC	1480.46	1243.41
M14-GL	04/08/2024	238.74	TOC	1477.12	1238.38
M14-GL	04/24/2024	228.48	TOC	1477.12	1248.64
M14-GL	06/06/2024	236.22	TOC	1477.12	1240.90
M15-GU	04/08/2024	230.00	TOC	1476.53	1246.53
M15-GU	04/15/2024	230.90	TOC	1476.53	1245.63
M15-GU	05/20/2024	229.20	TOC	1476.53	1247.33
M16-GU(R)	04/08/2024	227.97	TOC	1468.57	1240.60
M16-GU(R)	04/23/2024	219.16	TOC	1468.57	1249.41
M17-GL	04/08/2024	231.31	TOM	1466.16	1234.85
M17-GL	04/11/2024	244.88	TOM	1466.16	1221.28
M18-GU	04/08/2024	204.52	TOC	1462.40	1257.88
M18-GU	04/11/2024	204.88	TOC	1462.40	1257.52
M19-LBF	04/08/2024	241.46	TOM	1490.05	1248.59
M19-LBF	04/18/2024	242.20	TOM	1490.05	1247.85
M20-O(R)	04/08/2024	242.63	TOM	1490.42	1247.79
M20-O(R)	04/18/2024	243.32	TOM	1490.42	1247.10
M20-O(R)	05/14/2024	244.03	TOM	1490.42	1246.39
M20-O(R)	06/03/2024	242.25	TOM	1490.42	1248.17
M21-UBF	04/08/2024	239.10	TOM	1489.52	1250.42
M21-UBF	04/18/2024	240.00	TOM	1489.52	1249.52
M22-O	04/08/2024	234.40	TOM	1478.58	1244.18
M22-O	04/18/2024	227.20	TOM	1478.58	1251.38
M22-O	05/14/2024	242.70	TOM	1478.58	1235.88
M22-O	06/03/2024	238.55	TOM	1478.58	1240.03
M23-UBF	04/08/2024	219.51	TOM	1477.61	1258.10
M23-UBF	04/24/2024	219.65	TOM	1477.61	1257.96
M24-O	04/08/2024	229.65	TOM	1469.29	1239.64
M24-O	04/23/2024	224.01	TOM	1469.29	1245.28
M24-O	05/14/2024	233.50	TOM	1469.29	1235.79
M24-O	06/03/2024	233.10	TOM	1469.29	1236.19
M25-UBF	04/08/2024	212.88	TOM	1469.27	1256.39
M25-UBF	04/23/2024	213.04	TOM	1469.27	1256.23
M26-O	04/08/2024	243.42	TOM	1488.41	1244.99
M26-O	04/22/2024	243.57	TOM	1488.41	1244.84
M26-O	05/14/2024	248.24	TOM	1488.41	1240.17
M26-O	06/03/2024	248.50	TOM	1488.41	1239.91

TABLE 1
SUMMARY OF QUARTERLY WATER LEVELS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location ID	Date	Depth to Water (feet)	Description of Measuring Point	Elevation of Measuring Point (feet amsl)	Water Level Elevation (feet amsl)
M27-LBF	04/08/2024	242.05	TOM	1488.85	1246.80
M27-LBF	04/22/2024	240.90	TOM	1488.85	1247.03
M27-LBF	06/05/2024	242.90	TOM	1488.85	1247.03
M28-LBF	04/08/2024	241.45	TOM	1489.45	1248.00
M28-LBF	04/22/2024	241.96	TOM	1489.45	1247.49
M29-UBF	04/08/2024	241.38	TOM	1489.49	1248.11
M29-UBF	04/22/2024	241.05	TOM	1489.49	1248.44
M30-O	04/08/2024	237.36	TOM	1486.36	1249.00
M30-O	04/17/2024	237.70	TOM	1486.36	1248.66
M30-O	05/14/2024	237.61	TOM	1486.36	1248.75
M30-O	06/03/2024	238.35	TOM	1486.36	1248.01
M31-LBF	04/08/2024	235.80	TOM	1485.93	1250.13
M31-LBF	04/17/2024	236.82	TOM	1485.93	1249.11
M52-UBF	04/08/2024	231.20	TOC	1485.04	1253.84
M52-UBF	04/18/2024	231.02	TOC	1485.04	1254.02
M54-LBF	04/08/2024	234.26	TOC	1481.92	1247.66
M54-LBF	04/09/2024	234.43	TOC	1481.92	1247.49
M54-LBF	04/24/2024	232.68	TOC	1481.92	1249.24
M54-O	04/08/2024	244.72	TOC	1482.47	1237.75
M54-O	04/09/2024	241.51	TOC	1482.47	1240.96
M54-O	04/24/2024	239.20	TOC	1482.47	1243.27
M54-O	05/14/2024	254.42	TOC	1482.47	1228.05
M54-O	06/03/2024	250.34	TOC	1482.47	1232.13
O19-GL	04/08/2024	241.83	TOM	1483.28	1241.45
O19-GL	04/17/2024	241.52	TOM	1483.28	1241.76
O49-GL(R)	04/08/2024	226.48	TOM	1465.83	1239.35
O49-GL(R)	04/16/2024	222.10	TOM	1465.83	1243.73
P19-1-O	04/08/2024	239.16	TOM	1484.72	1245.56
P19-1-O	04/24/2024	238.37	TOM	1484.72	1246.35
P19-1-O	05/14/2024	240.56	TOM	1484.72	1244.16
P19-1-O	06/03/2024	238.98	TOM	1484.72	1245.74
P49-O	04/08/2024	224.91	TOM	1463.12	1238.21
P49-O	04/15/2024	225.56	TOM	1463.12	1237.56
P49-O	05/14/2024	227.41	TOM	1463.12	1235.71
P49-O	06/03/2024	227.00	TOM	1463.12	1236.12
Status of Local Production Wells					
BIA-9R	04/08/2024	Not Pumping			
BIA-10	04/08/2024	Pumping			
PW2-1	04/08/2024	Pumping			
WW-4	04/08/2024	Pumping			

Notes:

All wells are permitted under both the APP and UIC Permit with the exception of M52-UBF, which is only permitted under the APP.
amsl = above mean sea level
NM = not measured
TOC = top of casing
TOM = top of monument

ATTACHMENT 5C

Groundwater Monitoring Summary

HALEY & ALDRICH, INC.
One Arizona Center
400 E. Van Buren St., Suite 545
Phoenix, AZ 85004
602.760.2450

TECHNICAL MEMORANDUM

28 July 2024
File No. 133887-019

REGISTERED GEOLOGIST
CERTIFICATE NO.
48445
LAURA L. MENKEN
Date Signed 7/28/2024
ARIZONA U.S.A.
exp 9/30/2026

TO: Florence Copper LLC
Mark Severson, P.E., Environmental Manager
Mikel Smothermon, MS, RA, Senior Environmental Coordinator

FROM: Haley & Aldrich, Inc.
Laura Menken, R.G., Project Manager
Mark Nicholls, R.G., Lead Hydrogeologist

SUBJECT: Florence Copper Project, Quarterly Compliance Monitoring Report
Aquifer Protection Permit (APP) and Underground Injection Control (UIC) Permit,
Second Quarter 2024

Haley & Aldrich, Inc. has prepared this memorandum to convey the results of the quarterly compliance groundwater monitoring conducted during the second quarter (Q2) 2024 at the Florence Copper Project. The Florence Copper Project is subject to two related permits issued by the Arizona Department of Environmental Quality (ADEQ) and the U.S. Environmental Protection Agency (USEPA).

APP Covering all Present and Future In Situ Copper Recovery Operations:

- ADEQ APP No. P-101704 (LTF 102081) dated 27 June 2024.

UIC Permit Covering all Present and Future In Situ Copper Recovery Operations:

- USEPA UIC Permit No. R9UIC-AZ3-FY19-1 dated 9 July 2024.

This report conveys the results of the Q2 2024 groundwater monitoring activities required by the APP and UIC Permit.

SAMPLING ACTIVITIES

During Q2 2024, monitoring was conducted at 32 point of compliance (POC) wells. All wells are incorporated in both the APP and UIC Permit with the exception of M52-UBF, which is only listed in the APP. Water levels were measured on 8 April 2024, and quarterly groundwater sampling was conducted between 9 April and 6 June 2024. Groundwater sampling and analysis was conducted in accordance with the requirements of Section 2.5.3 of the APP and Section II.F of the UIC Permit.

The majority of the monitoring wells are equipped with dedicated low-flow bladder pumps. Low-flow sampling was conducted in accordance with Section 2.5.3 of the APP and Section II.F of the UIC Permit. Wells M14-GL, M16-GU(R), M18-GU, M20-O(R), M22-O, M24-O, O49-GL(R), and P49-O are equipped with dedicated stainless steel electric submersible pumps. These wells were sampled by purging a minimum of three borehole volumes, except for well M20-O(R), which was purged dry for two consecutive days and allowed to recharge prior to sampling. No other modified sampling procedures were used.

Each sample was labeled, placed in a cooler with ice, maintained at 4 degrees Celsius (°C) ± 2°C, and transported under chain of custody to Turner Laboratories, Inc. (Turner) for analysis. Samples were analyzed for the quarterly (Level 1) and annual (Level 2) monitoring parameters listed in Section 4.0, Tables 13 and 14 of the APP and Tables 1 and 2 of the UIC Permit. Sample containers collected for radiological parameter analysis were labelled and transported under chain of custody directly to Radiation Safety Engineering, Inc., a subcontractor to the primary laboratory. Note that uranium activity and adjusted gross alpha are analyzed and reported only when gross alpha results exceed 12 picocuries per liter.

Monthly monitoring of well M18-GU was continued during Q2 2024 due to a previous APP alert level (AL) exceedance, as discussed further below. Well M18-GU is an upgradient POC well, and the observed exceedance was not the result of mineral production operations.

RESULTS

The results of the Q2 2024 monitoring event are presented in Tables 1 through 6 as follows:

- Table 1 – Q2 2024 Field Parameters;[1] and
- Table 2 – Q2 2024 Quarterly (Level 1) Analytical Parameters
- Table 3 – Q2 2024 Inorganic Parameters;
- Table 4 – Q2 2024 Radiochemical Parameters;
- Table 5 – Q2 2024 Organic Compounds; and
- Table 6 – Q2 2024 Trace Metals.

The Q2 2024 results were compared to the ALs and aquifer quality limits (AQL) listed in the applicable tables in Section 4.0 of the APP and Appendix J of the UIC Permit.

No confirmed AL or AQL exceedances occurred during Q2 2024. A quality assurance/quality control summary of the Q2 2024 data is provided in Appendix A.

[1] Note that turbidity was monitored as a field parameter in addition to field pH, temperature, and specific conductance, but is not required by the Temporary APP or UIC Permit and therefore is not reported.

CONTINGENCY SAMPLING PLANS

Contingency sampling plan procedures consistent with Section 2.6.2.5 of the APP and Section II.H.2 of the UIC Permit were implemented during Q2 2024.

Point of Compliance Well M14-GL

On 4 June 2024, Florence Copper was notified of a potential AL and AQL exceedance of dissolved thallium in well M14-GL from the sample collected on 24 April 2024. The dissolved thallium concentration was reported at 0.0060 milligrams per liter (mg/L), above the AL of 0.0016 mg/L and AQL of 0.002 mg/L. While laboratory reanalysis was requested, it was inconclusive. In accordance with APP Section 2.6.2.5.2. and UIC Section II.H.2.b, a verification sample was collected on 6 June 2024.

On 20 June 2024, Florence Copper was notified that the concentration of dissolved thallium was reported at 0.000027 mg/L, below both the AL and AQL. Therefore, the exceedance was dismissed, and no further action was necessary.

Point of Compliance Well M15-GU

On 16 May 2024, Florence Copper was notified of a potential sulfate AL exceedance in well M15-GU from the sample collected on 15 May 2024. The sulfate concentration was reported at 130 mg/L, above the AL of 126 mg/L. In accordance with APP Section 2.6.2.5.1. and UIC Section II.H.2.a, a verification sample was collected on 20 May 2024.

On 12 June 2024, Florence Copper was notified that the concentration of sulfate was reported at 120 mg/L, below the AL of 126 mg/L. Therefore, the exceedance was dismissed, and no further action was necessary.

Point of Compliance Well M18-GU

Well M18-GU had a confirmed magnesium AL exceedance in Q2 2023. In accordance with Section 2.6.2.5.1 of the APP, Florence Copper initiated monthly sampling of quarterly compliance monitoring parameters in Q2 2023. During Q2 2024, sample collection was attempted on 11 April, 14 May, and 3 June 2024. During all three attempts the well ran dry, and collection of a sample was not feasible because the well did not produce sufficient water. Florence Copper reported the well as dry on a monthly basis to ADEQ via email because Incident ID INC15812 has been closed on myDEQ.

Point of Compliance Well M27-LBF

On 4 June 2024, Florence Copper was notified of a potential sulfate AL exceedance in well M27-LBF from the sample collected on 15 May 2024. The sulfate concentration was reported at 210 mg/L, above the AL of 179 mg/L. While laboratory reanalysis was requested, it was inconclusive. In accordance with APP Section 2.6.2.5.1. and UIC Section II.H.2.a, a verification sample was collected on 5 June 2024.

On 12 June 2024, Florence Copper was notified that the concentration of sulfate was reported at 120 mg/L, below the AL of 179 mg/L. Therefore, the exceedance was dismissed, and no further action was necessary.

Attachments:

- Table 1 – Q2 2024 Field Parameters
- Table 2 – Q2 2024 Quarterly (Level 1) Analytical Parameters
- Table 3 – Q2 2024 Inorganic Parameters
- Table 4 – Q2 2024 Radionuclide Parameters
- Table 5 – Q2 2024 Organic Compounds
- Table 6 – Q2 2024 Trace Metals
- Appendix A – Data Quality Assurance/Quality Control Summary

\\haleyaldrich.com\share\phx_common\Projects\Florence Copper\133887 Quarterly Monitoring\Deliverables\2Q 2024 Reports\2Q 2024 APP Report\Attachments\APP 10A UIC 5C - Quarterly Compliance Monitoring Report\2024-0728_APP UIC POC 2Q2024_F.docx

TABLES

TABLE 1
Q2 2024 FIELD PARAMETERS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location	Sample Date	Temperature, Field Deg C	Temperature, Field Deg F	pH, Field pH units	Specific Conductance, Field µmhos/cm
M1-GL	04/15/2024	22.6	72.7	7.61	1,140
M2-GU	04/11/2024	22.2	72.0	7.47	1,873
M3-GL	04/11/2024	22.6	72.7	7.52	1,348
M4-O	04/11/2024	23.4	74.1	7.48	755
M6-GU	04/16/2024	24.5	76.1	8.52	691
M7-GL	04/16/2024	24.7	76.5	9.35	484
M8-O	04/16/2024	24.9	76.8	9.31	646
M14-GL	04/24/2024	25.9	78.6	7.61	948
M14-GL(1)	06/06/2024	27.3	81.1	7.68	824
M15-GU	04/15/2024	22.6	72.7	7.58	1,589
M15-GU(2)	05/20/2024	23.3	73.9	7.07	1,491
M16-GU(R)	04/23/2024	23.4	74.1	7.14	1,370
M17-GL	04/11/2024	28.2	82.8	8.56	755
M19-LBF	04/18/2024	24.9	76.8	8.12	720
M20-O(R)	04/18/2024	24.6	76.3	7.43	785
M21-UBF	04/18/2024	24.8	76.6	7.58	1,628
M22-O	04/18/2024	27.0	80.6	8.41	775
M23-UBF	04/24/2024	23.2	73.8	6.82	1,895
M24-O	04/23/2024	29.6	85.3	7.78	1,782
M25-UBF	04/23/2024	23.0	73.4	6.80	2,087
M26-O	04/22/2024	24.5	76.1	8.15	478
M27-LBF	04/22/2024	24.8	76.6	7.00	1,602
M27-LBF(3)	06/05/2024	26.3	79.3	7.26	1,620
M28-LBF	04/22/2024	23.4	74.1	8.60	560
M29-UBF	04/22/2024	26.0	78.8	6.70	1,609
M30-O	04/17/2024	24.1	75.4	7.67	862
M31-LBF	04/17/2024	23.6	74.5	7.47	1,463
M52-UBF	04/18/2024	25.6	78.1	7.62	1,520
M54-LBF	04/09/2024	23.9	75.0	7.41	1,534
M54-LBF(4)	04/24/2024	24.4	75.9	6.94	1,627
M54-O	04/09/2024	23.2	73.8	7.97	724
M54-O(4)	04/24/2024	25.9	78.6	7.52	793
O19-GL	04/17/2024	24.3	75.7	7.97	798
O49-GL(R)	04/16/2024	26.0	78.8	7.74	1,185
P19-1-O	04/24/2024	23.2	73.8	6.99	772
P49-O	04/15/2024	28.0	82.4	7.71	782

Notes:

(1) Verification sample was collected on 6/6/2024.
(2) Verification sample was collected on 5/20/2024.
(3) Verification sample ws collected on 6/5/2024.
(4) Resampled due to laboratory issue
All wells are permitted under both the APP and UIC Permit with the exception of M52-UBF, which is only permitted under the APP.
Deg C = degrees Celsius
Deg F = degrees Fahrenheit
µmhos/cm = micromhos per centimeter
APP = Aquifer Protection Permit No. P-101704
UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY19-1

TABLE 2

Q2 2024 QUARTERLY (LEVEL 1) ANALYTICAL PARAMETERS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Location ID	Sample Date	Sample Type	Magnesium, Dissolved		Sulfate		Fluoride			Total Dissolved Solids (TDS)	
			Concentration	Alert Level	Concentration	Alert Level	Concentration	Alert Level	Aquifer Quality Limit	Concentration	Alert Level
M1-GL	04/15/2024	Primary	**20**	31	**120**	184.2	**0.60**	3.2	4.0	**650**	1028
M2-GU	04/11/2024	Primary	**36**	39	**230**	275	**0.73**	3.2	4.0	**1,100**	1496
M3-GL	04/11/2024	Primary	**25**	36	**150**	187	**0.49 J**	3.2	4.0	**790**	1157
M4-O	04/11/2024	Primary	**5.6**	15	**59**	405	**2.0**	NE	5.1	**460**	1072
M6-GU	04/16/2024	Primary	**2.4 J**	44	**48**	86	**0.50**	3.2	4.0	**370**	620
M7-GL	04/16/2024	Primary	**0.12 J**	1	**9.2**	82	**0.71**	3.2	4.0	**260**	464
M8-O	04/16/2024	Primary	**0.12 J**	1	**48**	122	**2.0**	3.6	4.0	**380**	609
M14-GL	04/24/2024	Primary	**11**	23	**54**	144	**0.46 J**	3.2	4.0	**470**	874
M14-GL[1]	06/06/2024	Primary	**11**	23	**53**	144	**0.49 J**	3.2	4.0	**470**	874
M15-GU	04/15/2024	Primary	**32**	44	**130**	126	**0.40 J**	3.2	4.0	**880**	1359
M15-GU[2]	05/20/2024	Primary	**33**	44	**120**	126	**0.52**	3.2	4.0	**900**	1359
M16-GU(R)	04/23/2024	Primary	**29**	52	**190**	248	**0.45 J**	3.2	4.0	**910**	1635
M17-GL	04/11/2024	Primary	**5.8**	9.3	**86**	209	**0.57**	3.2	4.0	**450**	831
M19-LBF	04/18/2024	Primary	**8.6**	21	**23**	89	**0.28 J**	3.2	4.0	**370**	794
M20-O(R)	04/18/2024	Primary	**8.5**	14	**58**	112	**0.72**	3.2	4.0	**490**	809
M21-UBF	04/18/2024	Primary	**27**	87	**190**	487	**0.67**	3.2	4.0	**960**	2867
M22-O	04/18/2024	Primary	**6.6**	8.6	**46**	86	**0.56**	3.2	4.0	**420**	1094
M22-O	04/18/2024	Duplicate	**6.5**	8.6	**49**	86	**0.59**	3.2	4.0	**420**	1094
M23-UBF	04/24/2024	Primary	**29**	69	**230**	411	**0.74**	3.2	4.0	**1,100**	2392
M24-O	04/23/2024	Primary	**9.6**	19	**710**	1364	**1.0**	3.2	4.0	**1,200**	2363
M24-O	04/23/2024	Duplicate	**9.4**	19	**770**	1364	**1.0**	3.2	4.0	**1,200**	2363
M25-UBF	04/23/2024	Primary	**41**	76	**260**	387	**0.61**	3.2	4.0	**1,400**	2683
M26-O	04/22/2024	Primary	**0.17 J**	1	**53**	105	**1.3**	3.4	4.0	**300**	556
M27-LBF	04/22/2024	Primary	**33**	51	**210**	179	**0.37 J**	3.2	4.0	**1,000**	1745
M27-LBF[3]	06/05/2024	Primary	**36**	51	**170**	179	**0.39 J**	3.2	4.0	**1,000**	1745
M28-LBF	04/22/2024	Primary	**0.95 J**	2.6	**5.6**	81	**0.68**	3.2	4.0	**320**	610
M29-UBF	04/22/2024	Primary	**29**	84	**200**	456	**0.70**	3.2	4.0	**1,000**	2751
M30-O	04/17/2024	Primary	**11**	18	**55**	102	**0.62**	3.2	4.0	**500**	824
M31-LBF	04/17/2024	Primary	**23**	NE	**170**	330	**0.70**	3.2	4.0	**860**	NE
M52-UBF	04/18/2024	Primary	**24**	45	**150**	351	**0.65**	3.2	4.0	**880**	1666
M54-LBF	04/09/2024	Primary	**24**	46	**190**	329	**0.70**	3.2	4.0	**910**	1731
M54-O	04/09/2024	Primary	**6.1**	11	**48**	200	**0.72**	3.2	4.0	**410**	855
O19-GL	04/17/2024	Primary	**9.9**	17	**53**	99	**0.54**	3.2	4.0	**450**	770
O49-GL(R)	04/16/2024	Primary	**13**	18	**95**	181	**0.40 J**	3.2	4.0	**670**	801
O49-GL(R)	04/16/2024	Duplicate	**13**	18	**96**	181	**0.39 J**	3.2	4.0	**670**	801
P19-1-O	04/24/2024	Primary	**5.2**	23	**64**	144	**1.6**	3.2	4.0	**440**	874
P49-O	04/15/2024	Primary	**3.4**	18	**110**	181	**0.86**	3.2	4.0	**460**	849
Arizona Aquifer Water Quality Standard[4]			--		--		4.0			--	

Notes:

(1) Verification sample was collected on 6/6/2024.

(2) Verification sample was collected on 5/20/2024.

(3) Verification sample ws collected on 6/5/2024.

(4) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

All wells are permitted under both the APP and UIC Permit with the exception of M52-UBF, which is only permitted under the APP.

Alert Level Exceeded

All results in milligrams per liter (mg/L).

Detects are ***bolded.***

Non-detects are reported to the laboratory method detection limit (< MDL).

J = estimated value

APP = Aquifer Protection Permit No. P-101704

UIC = Underground Injection Control Permit No. R9UIC-AZ3-FY19-1

TABLE 3
Q2 2024 INORGANIC PARAMETERS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location	Sample Date	Sample Type	Alkalinity, Bicarbonate mg/L	Alkalinity, Carbonate mg/L	Dissolved Calcium mg/L	Chloride mg/L	Nitrate (as N) mg/L	Dissolved Potassium mg/L	Dissolved Sodium mg/L	pH (Lab) pH Units	Anion/Cation Ratio %
M1-GL	04/15/2024	Primary	**160**	< 2.0	**86**	**180**	**3.7**	**4.5 J**	**100**	**7.4**	**6.11**
M2-GU	04/11/2024	Primary	**180**	< 2.0	**150**	**310**	**13**	**5.2**	**170**	**7.5**	**2.62**
M3-GL	04/11/2024	Primary	**190**	< 2.0	**110**	**190**	**5.6**	**5.2**	**120**	**7.6**	**1.87**
M4-O	04/11/2024	Primary	**100**	< 2.0	**26**	**120**	**0.92**	**3.6 J**	**110**	**7.4**	**12.3**
M6-GU	04/16/2024	Primary	**50**	< 2.0	**16**	**140**	**0.65**	**3.1 J**	**100**	**8.2**	**29.5**
M7-GL	04/16/2024	Primary	**68**	**24**	**2.4 J**	**73**	< 0.27	**1.3 J**	**96**	**9.1**	**1.94**
M8-O	04/16/2024	Primary	**150**	**44**	**2.0 J**	**45**	< 0.27	**1.0 J**	**130**	**9.0**	**7.29**
M14-GL	04/24/2024	Primary	**120**	< 2.0	**42**	**160**	**0.80**	**4.0 J**	**110**	**7.8**	**5.03**
M15-GU	04/15/2024	Primary	**120**	< 2.0	**120**	**330**	**8.5**	**6.3**	**140**	**7.5**	**2.71**
M16-GU(R)	04/23/2024	Primary	**170**	< 2.0	**120**	**260**	**8.1**	**5.9**	**140**	**7.4**	**4.61**
M17-GL	04/11/2024	Primary	**96**	< 2.0	**28**	**110**	**0.33 J**	**4.8 J**	**110**	**8.2**	**4.31**
M19-LBF	04/18/2024	Primary	**74**	< 2.0	**36**	**150**	**2.1**	**3.8 J**	**82**	**7.5**	**3.42**
M20-O(R)	04/18/2024	Primary	**110**	< 2.0	**41**	**120**	**0.40 J**	**4.8 J**	**93**	**7.3**	**11.4**
M21-UBF	04/18/2024	Primary	**190**	< 2.0	**120**	**230**	**12**	**5.2**	**160**	**7.4**	**2.24**
M22-O	04/18/2024	Primary	**88**	< 2.0	**34**	**120**	**0.37 J**	**4.2 J**	**100**	**8.1**	**0.0900**
M22-O	04/18/2024	Duplicate	**88**	< 2.0	**33**	**130**	**0.39 J**	**4.1 J**	**100**	**8.1**	**3.26**
M23-UBF	04/24/2024	Primary	**190**	< 2.0	**140**	**300**	**8.3**	**5.9**	**190**	**7.2**	**2.24**
M24-O	04/23/2024	Primary	**80**	< 2.0	**120**	**68**	**0.56**	**4.8 J**	**210**	**7.8**	**8.50**
M24-O	04/23/2024	Duplicate	**82**	< 2.0	**120**	**66**	**0.55**	**4.7 J**	**220**	**7.9**	**10.3**
M25-UBF	04/23/2024	Primary	**210**	< 2.0	**190**	**440**	**14**	**6.5**	**200**	**7.2**	**4.83**
M26-O	04/22/2024	Primary	**130**	**16**	**3.2 J**	**37**	**0.76**	**1.1 J**	**100**	**8.6**	**11.3**
M27-LBF	04/22/2024	Primary	**110**	< 2.0	**140**	**350**	**9.9**	**6.2**	**140**	**7.4**	**5.71**
M28-LBF	04/22/2024	Primary	**70**	**20**	**7.7**	**130**	< 0.27	**3.0 J**	**110**	**8.8**	**4.83**
M29-UBF	04/22/2024	Primary	**200**	< 2.0	**130**	**260**	**11**	**5.5**	**170**	**7.3**	**2.55**
M30-O	04/17/2024	Primary	**120**	< 2.0	**54**	**150**	**1.2**	**4.9 J**	**88**	**7.1**	**10.3**
M31-LBF	04/17/2024	Primary	**190**	< 2.0	**110**	**220**	**9.2**	**5.0**	**140**	**7.4**	**5.33**
M52-UBF	04/18/2024	Primary	**190**	< 2.0	**110**	**230**	**7.2**	**5.0**	**140**	**7.4**	**3.75**
M54-LBF	04/09,24/2024	Primary	**190**	< 2.0	**120**	**240**	**7.5**	**5.3**	**150**	**7.2**	**4.52**
M54-O	04/09,24/2024	Primary	**100**	< 2.0	**29**	**120**	**0.41 J**	**3.8 J**	**100**	**7.7**	**4.91**
O19-GL	04/17/2024	Primary	**120**	< 2.0	**48**	**130**	**0.38 J**	**4.4 J**	**86**	**7.6**	**6.80**
O49-GL(R)	04/16/2024	Primary	**110**	< 2.0	**78**	**210**	**5.9**	**5.6**	**130**	**7.6**	**4.08**
O49-GL(R)	04/16/2024	Duplicate	**100**	< 2.0	**77**	**220**	**5.9**	**5.7**	**130**	**7.6**	**4.73**
P19-1-O	04/24/2024	Primary	**120**	< 2.0	**27**	**110**	**0.33 J**	**4.0 J**	**110**	**7.5**	**11.8**
P49-O	04/15/2024	Primary	**110**	< 2.0	**30**	**90**	**0.37 J**	**3.5 J**	**110**	**7.5**	**9.66**
Arizona Aquifer Water Quality Standard (1)			--	--	--	--	10	--	--	--	--

Notes:
(1) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.
Detects are ***bolded.***
Non-detects are reported to the laboratory method detection limit (< MDL).
mg/L = milligrams per liter

TABLE 4
Q2 2024 RADIONUCLIDE PARAMETERS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location ID	Sample ID	Sample Type	Gross Alpha Analytes		Total Uranium Isotopes [1]	Adjusted Gross Alpha Activity [3]			Radium-226 + 228		
			pCi/L	APP AL	pCi/L	pCi/L	APP AL	APP AQL	pCi/L	APP AL	APP AQL
M1-GL	04/15/2024	Primary	**4.9 ± 0.5**	15	--	--	12	15	0.75 U	4.0	5.0
M2-GU	04/11/2024	Primary	**8.2 ± 0.6**	15	--	--	12	15	0.92 U	4.0	5.0
M3-GL	04/11/2024	Primary	**8.9 ± 0.7**	15	--	--	12	15	0.92 U	4.0	5.0
M4-O	04/11/2024	Primary	**2.8 ± 0.4**	15	--	--	12	15	0.92 U	--	5.0
M6-GU	04/16/2024	Primary	**0.9 ± 0.3**	15	--	--	12	15	0.75 U	4.0	5.0
M7-GL	04/16/2024	Primary	0.79 U	15	--	--	12	15	0.75 U	4.0	5.0
M8-O	04/16/2024	Primary	**2.9 ± 0.4**	15	--	--	12	15	**0.5 ± 0.2**	4.0	5.0
M14-GL	04/24/2024	Primary	**4.4 ± 0.5**	15	--	--	12	15	**0.7 ± 0.3**	4.0	5.0
M15-GU	04/15/2024	Primary	**4.8 ± 0.5**	15	--	--	12	15	0.92 U	4.0	5.0
M16-GU(R)	04/23/2024	Primary	**7.8 ± 0.6**	15	--	--	12	15	0.92 U	4.0	5.0
M17-GL	04/11/2024	Primary	**2.3 ± 0.4**	15	--	--	12	15	0.92 U	4.0	5.0
M19-LBF	04/18/2024	Primary	**1.2 ± 0.3**	15	--	--	12	15	0.75 U	4.0	5.0
M20-O(R)	04/18/2024	Primary	**4.4 ± 0.5**	15	--	--	12	15	0.75 U	4.0	5.0
M21-UBF	04/18/2024	Primary	**5.8 ± 0.6**	15	--	--	12	15	0.75 U	4.0	5.0
M22-O	04/18/2024	Primary	**2.4 ± 0.4**	15	--	--	12	15	0.75 U	4.0	5.0
M22-O	04/18/2024	Duplicate	**2.6 ± 0.4**	15	--	--	12	15	0.75 U	4.0	5.0
M23-UBF	04/24/2024	Primary	**7.2 ± 0.6**	15	--	--	12	15	0.92 U	4.0	5.0
M24-O	04/23/2024	Primary	**6.0 ± 0.5**	15	--	--	12	15	**2.3 ± 0.5**	4.0	5.0
M24-O	04/23/2024	Duplicate	**5.7 ± 0.5**	15	--	--	12	15	**1.6 ± 0.5**	4.0	5.0
M25-UBF	04/23/2024	Primary	**9.4 ± 0.7**	15	--	--	12	15	0.92 U	4.0	5.0
M26-O	04/22/2024	Primary	**5.5 ± 0.8**	15	--	--	12	15	0.92 U	4.0	5.0
M27-LBF	04/22/2024	Primary	**7.7 ± 0.9**	15	--	--	12	15	1.23 U	4.0	5.0
M28-LBF	04/22/2024	Primary	0.42 U	15	--	--	12	15	0.92 U	4.0	5.0
M29-UBF	04/22/2024	Primary	**6.8 ± 0.6**	15	--	--	12	15	1.23 U	4.0	5.0
M30-O	04/17/2024	Primary	**7.4 ± 0.6**	15	--	--	12	15	0.75 U	4.0	5.0
M31-LBF	04/17/2024	Primary	**5.4 ± 0.5**	15	--	--	12	15	0.75 U	4.0	5.0
M52-UBF	04/18/2024	Primary	**6.8 ± 0.6**	15	--	--	12	15	0.75 U	--	17.2
M54-LBF	04/09/2024	Primary	**5.9 ± 0.5**	15	--	--	--	15	**1.6 ± 0.5**	--	17.2
M54-O	04/09/2024	Primary	**3.4 ± 0.4**	15	--	--	--	15	0.92 U	--	17.2
O19-GL	04/17/2024	Primary	**5.8 ± 0.5**	15	--	--	12	15	0.75 U	4.0	5.0
O49-GL(R)	04/16/2024	Primary	**4.3 ± 0.5**	15	--	--	12	15	0.75 U	4.0	5.0
O49-GL(R)	04/16/2024	Duplicate	**3.9 ± 0.4**	15	--	--	12	15	0.75 U	4.0	5.0
P19-1-O	04/24/2024	Primary	**2.3 ± 0.4**	15	--	--	12	15	0.92 U	4.0	5.0
P49-O	04/15/2024	Primary	**1.7 ± 0.3**	15	--	--	12	15	**0.8 ± 0.4**	4.0	5.0
Arizona Aquifer Water Quality Standard [2]			-- [4]		--	15			5		

Notes:

(1) Total uranium isotopes are analyzed and adjusted gross alpha calculated when gross alpha concentration exceeds 12 pCi/L.

(2) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.

(3) The AWQS applies to Adjusted Gross Alpha, which equals Gross Alpha minus Uranium Isotopes.

Detects are ***bolded.***

U = Analyte not detected above the Minimum Detectable Concentration (MDC U,

AL = Alert Level

APP = Aquifer Protection Permit No. 101704

AQL = Aquifer Quality Limit

pCi/L = picocuries per liter

TABLE 5
Q2 2024 ORGANIC PARAMETERS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location	Sample Date	Sample Type	Benzene			Ethylbenzene			Toluene			Total Xylene			Total Petroleum Hydrocarbons - Diesel	
			µg/L	APP AL	APP AQL	µg/L	APP AL	APP AQL	µg/L	APP AL	APP AQL	µg/L	APP AL	APP AQL	mg/L	APP AL
M1-GL	04/15/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.032	--
M2-GU	04/11/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.033	--
M3-GL	04/11/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	--
M4-O	04/11/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	**0.45 J**	800	1000	< 0.13	8000	10000	**0.039 J**	--
M6-GU	04/16/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	--
M7-GL	04/16/2024	Primary	**0.070 J**	4.0	5.0	**0.12 J**	560	700	**0.060 J**	800	1000	< 0.13	8000	10000	**0.042 J**	--
M8-O	04/16/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	**0.039 J**	--
M14-GL	04/24/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	**4.6**	--
M15-GU	04/15/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	--
M16-GU(R)	04/23/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	**0.091 J**	--
M17-GL	04/11/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.032	--
M19-LBF	04/18/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	**0.065 J**	--
M20-O(R)	04/18/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	--
M21-UBF	04/18/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.034	--
M22-O	04/18/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.032	--
M22-O	04/18/2024	Duplicate	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.032	--
M23-UBF	04/24/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.035	--
M24-O	04/23/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	**0.88**	800	1000	< 0.13	8000	10000	< 0.032	--
M24-O	04/23/2024	Duplicate	< 0.063	4.0	5.0	< 0.054	560	700	**0.86**	800	1000	< 0.13	8000	10000	**0.034 J**	--
M25-UBF	04/23/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	--
M26-O	04/22/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.034	--
M27-LBF	04/22/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	**0.75**	800	1000	< 0.13	8000	10000	< 0.035	--
M28-LBF	04/22/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.034	--
M29-UBF	04/22/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.034	--
M30-O	04/17/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.034	--
M31-LBF	04/17/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.034	--
M52-UBF	04/18/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.032	0.28
M54-LBF	04/09/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	0.28
M54-O	04/09/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	0.28
O19-GL	04/17/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.036	--
O49-GL(R)	04/16/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.031	--
O49-GL(R)	04/16/2024	Duplicate	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.033	--
P19-1-O	04/24/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.036	--
P49-O	04/15/2024	Primary	< 0.063	4.0	5.0	< 0.054	560	700	< 0.057	800	1000	< 0.13	8000	10000	< 0.032	--
Arizona Aquifer Water Quality Standard [1]			5			700			1000			10000			--	

Notes:
(1) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, December 31, 2016.
Detects are ***bolded.***
Non-detects are reported to the laboratory method detection limit (< MDL).
µg/L = micrograms per liter
AL = Alert Level
APP = Aquifer Protection Permit No. 101704
AQL = Aquifer Quality Limit
J = estimated value
mg/L = milligrams per liter

TABLE 6
Q2 2024 TRACE METALS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location	Sample Date	Sample Type	Dissolved Aluminum		Dissolved Antimony			Dissolved Arsenic			Dissolved Barium			Dissolved Beryllium			Dissolved Cadmium			Dissolved Chromium[3]		
			mg/L	APP AL	mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL
M1-GL	04/15/2024	Primary	< 0.013	0.71	**0.00042 J**	0.005	0.006	**0.0019**	0.026	0.05	**0.027**	1.6	2.0	**0.000021 J**	0.0032	0.004	< 0.000050	0.005		**0.00085**	0.08	0.1
M2-GU	04/11/2024	Primary	< 0.13	0.71	**0.000081 J**	--	0.016	**0.0032**	0.026	0.05	**0.073**	1.6	2.0	< 0.00013	--	0.0053	< 0.000050	--	0.04	**0.0013**	0.08	0.1
M3-GL	04/11/2024	Primary	< 0.13	0.71	**0.000057 J**	0.005	0.006	**0.0017**	0.026	0.05	**0.034**	1.6	2.0	< 0.00013	--	0.0053	< 0.000050	--	0.005	**0.0011**	0.08	0.1
M4-O	04/11/2024	Primary	< 0.13	0.71	**0.000056 J**	0.005	0.006	**0.00033 J**	0.026	0.05	**0.0094**	1.6	2.0	< 0.00013	--	0.0053	< 0.000050	--	0.04	**0.0014**	0.08	0.1
M6-GU	04/16/2024	Primary	**0.042**	0.71	**0.000089 J**	0.005	0.006	**0.0022**	0.026	0.05	**0.0051**	1.6	2.0	**0.000073 J**	0.0032	0.004	< 0.000050	0.004	0.005	**0.0050**	0.08	0.1
M7-GL	04/16/2024	Primary	< 0.013	0.71	< 0.000078	0.005	0.006	**0.0011**	0.026	0.05	**0.0047**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	--	0.04	**0.000089 J**	0.08	0.1
M8-O	04/16/2024	Primary	< 0.013	0.71	**0.000088 J**	0.005	0.006	**0.00047 J**	0.026	0.05	**0.0017**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	0.004	0.005	**0.00030 J**	0.08	0.1
M14-GL	04/24/2024	Primary	< 0.066	0.71	**0.0048**	--	0.016	**0.0079**	0.026	0.05	**0.032**	1.6	2.0	**0.00023 J**	0.0032	0.004	< 0.00025	0.004	0.005	**0.0013 J**	0.08	0.1
M14-GL[1]	06/06/2024	Primary	--	0.71	--	--	0.016	--	0.026	0.05	--	1.6	2.0	--	0.0032	0.004	--	0.004	0.005	--	0.08	0.1
M15-GU	04/15/2024	Primary	< 0.013	0.71	**0.00030 J**	--	0.016	**0.0017**	0.026	0.05	**0.0055**	1.6	2.0	**0.000016 J**	0.0032	0.004	< 0.000050	--	0.04	**0.0013**	0.08	0.1
M16-GU(R)	04/23/2024	Primary	< 0.066	0.71	< 0.00020	0.005	0.006	**0.0021**	0.026	0.05	**0.011**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.000050	--	0.04	**0.0010**	0.08	0.1
M17-GL	04/11/2024	Primary	< 0.13	0.71	**0.000077 J**	--	0.016	**0.0052**	0.026	0.05	**0.0081**	1.6	2.0	< 0.00013	0.0032	0.004	< 0.000050	0.004	0.005	**0.0011**	0.08	0.1
M19-LBF	04/18/2024	Primary	< 0.066	0.71	**0.00041 J**	0.005	0.006	**0.0026**	0.026	0.05	**0.053**	1.6	2.0	**0.000091 J**	0.0032	0.004	< 0.000050	0.004	0.005	**0.00063**	0.08	0.1
M20-O(R)	04/18/2024	Primary	< 0.013	0.71	< 0.000039	0.005	0.006	**0.00050**	0.026	0.05	**0.0093**	1.6	2.0	**0.000016 J**	0.0032	0.004	< 0.000050	--	0.04	**0.0013**	0.08	0.1
M21-UBF	04/18/2024	Primary	< 0.066	0.71	**0.00051**	--	0.016	**0.00023 J**	0.026	0.05	**0.022**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.000050	--	0.04	**0.0017**	0.08	0.1
M22-O	04/18/2024	Primary	< 0.013	0.71	< 0.000039	--	0.016	**0.00023 J**	0.026	0.05	**0.0032**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	--	0.04	**0.00047 J**	0.08	0.1
M22-O	04/18/2024	Duplicate	< 0.013	0.71	< 0.000039	--	0.016	**0.00016 J**	0.026	0.05	**0.0032**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	--	0.04	**0.00048 J**	0.08	0.1
M23-UBF	04/24/2024	Primary	< 0.066	0.71	**0.0014 J**	0.005	0.006	**0.0024 J**	0.026	0.05	**0.071**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.00025	--	0.04	**0.00045 J**	0.08	0.1
M24-O	04/23/2024	Primary	< 0.066	0.71	< 0.00020	0.005	0.006	< 0.00051	0.026	0.05	**0.0094**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.00025	0.004	0.005	**0.00082**	0.08	0.1
M24-O	04/23/2024	Duplicate	< 0.066	0.71	< 0.00020	0.005	0.006	< 0.00051	0.026	0.05	**0.0088**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.00025	0.004	0.005	**0.00063**	0.08	0.1
M25-UBF	04/23/2024	Primary	< 0.066	0.71	< 0.00020	0.005	0.006	**0.0021**	0.026	0.05	**0.099**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.000050	0.004	0.005	**0.0017**	0.08	0.1
M26-O	04/22/2024	Primary	< 0.066	0.71	**0.00016 J**	--	0.016	**0.0011**	0.026	0.05	**0.0016**	1.6	2.0	**0.000083 J**	0.0032	0.004	< 0.000050	0.004	0.005	**0.0048**	0.08	0.1
M27-LBF	04/22/2024	Primary	< 0.066	0.71	**0.000084 J**	0.005	0.006	**0.0019**	0.026	0.05	**0.034**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.000050	0.004	0.005	**0.00091**	0.08	0.1
M28-LBF	04/22/2024	Primary	< 0.066	0.71	< 0.00020	0.005	0.006	**0.00082**	0.026	0.05	**0.0069**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.000050	0.004	0.005	**0.00013 J**	0.08	0.1
M29-UBF	04/22/2024	Primary	< 0.066	0.71	< 0.00020	0.005	0.006	**0.0025**	0.026	0.05	**0.064**	1.6	2.0	< 0.000066	0.0032	0.004	< 0.000050	0.004	0.005	**0.00071**	0.08	0.1
M30-O	04/17/2024	Primary	< 0.013	0.71	**0.000043 J**	0.005	0.006	**0.00098**	0.026	0.05	**0.018**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	0.004	0.005	**0.0021**	0.08	0.1
M31-LBF	04/17/2024	Primary	< 0.013	0.71	**0.000082 J**	0.005	0.006	**0.0020**	0.026	0.05	**0.057**	1.6	2.0	**0.000015 J**	0.0032	0.004	< 0.000050	0.004	0.005	**0.00033 J**	0.08	0.1
M52-UBF	04/18/2024	Primary	< 0.066	0.16	**0.00059**	0.0048	0.006	**0.0029**	0.026	0.05	**0.063**	1.6	2.0	**0.000073 J**	0.0032	0.004	< 0.000050	0.004	0.005	**0.00065**	0.08	0.1
M54-LBF	04/09/2024	Primary	< 0.013	0.16	**0.000075 J**	0.0048	0.006	**0.0021**	0.026	0.05	**0.060**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	0.004	0.005	**0.0013**	0.08	0.1
M54-O	04/09/2024	Primary	< 0.013	0.16	**0.000042 J**	0.0048	0.006	**0.00040 J**	0.026	0.05	**0.0040**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	0.004	0.005	**0.0043**	0.08	0.1
O19-GL	04/17/2024	Primary	< 0.013	0.71	**0.000068 J**	0.005	0.006	**0.0013**	0.026	0.05	**0.037**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	0.004	0.005	**0.0011**	0.08	0.1
O49-GL(R)	04/16/2024	Primary	< 0.013	0.71	**0.00012 J**	0.005	0.006	**0.0011**	0.026	0.05	**0.0087**	1.6	2.0	< 0.000013	0.0032	0.004	< 0.000050	0.004	0.005	**0.0018**	0.08	0.1
O49-GL(R)	04/16/2024	Duplicate	< 0.013	0.71	**0.000098 J**	0.005	0.006	**0.0010**	0.026	0.05	**0.0087**	1.6	2.0	**0.000015 J**	0.0032	0.004	< 0.000050	0.004	0.005	**0.0018**	0.08	0.1
P19-1-O	04/24/2024	Primary	< 0.066	0.71	**0.0015 J**	0.005	0.006	**0.00070 J**	0.026	0.05	**0.0037**	1.6	2.0	< 0.000066	--	0.0053	< 0.00025	0.004	0.005	**0.0020 J**	0.08	0.1
P49-O	04/15/2024	Primary	< 0.013	0.71	**0.00038 J**	0.005	0.006	**0.00024 J**	0.026	0.05	**0.0025**	1.6	2.0	**0.000015 J**	--	0.0053	< 0.000050		0.04	**0.0027**	0.08	0.1
Arizona Aquifer Water Quality Standard[2]			--		0.006			0.05			2.0			0.004			0.005			0.1		

Notes:

(1) Verification sample was collected on 6/6/2024.
(2) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, Dec 31, 2016.
(3) Total (i.e., non-speciated) dissolved chromium
*Detects are **bolded.***
Non-detects are reported to the laboratory method detection limit (< MDL).
Alert Level Exceedance
AL = Alert level
APP = Temporary Aquifer Protection Permit No. 101704
AQL = Aquifer Quality Limit
J = estimated value
mg/L = milligrams per liter

TABLE 6
Q2 2024 TRACE METALS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location	Sample Date	Sample Type	Dissolved Cobalt		Dissolved Copper		Dissolved Iron		Dissolved Lead			Dissolved Manganese		Dissolved Mercury			Dissolved Nickel		
			mg/L	APP AL	mg/L	APP AL	mg/L	APP AL	mg/L	APP AL	APP AQL	mg/L	APP AL	mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL
M1-GL	04/15/2024	Primary	**0.000087 J**	0.005	**0.0029**	0.51	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.00034**	0.22	< 0.00015	0.0016	0.002	**0.00091**	--	0.13
M2-GU	04/11/2024	Primary	**0.00015 J**	0.005	**0.0036 J**	0.51	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.00014 J**	0.22	< 0.00015	0.0016	0.002	**0.0011**	--	0.13
M3-GL	04/11/2024	Primary	**0.00012 J**	0.005	< 0.0015	0.51	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.00025**	0.22	< 0.00015	0.0016	0.002	**0.0015**	--	0.13
M4-O	04/11/2024	Primary	**0.000064 J**	0.005	< 0.0015	0.51	**0.0078 J**	2.2	< 0.000057	0.026	0.05	**0.0049**	0.22	< 0.00015	0.0016	0.002	**0.00049 J**	0.08	0.1
M6-GU	04/16/2024	Primary	**0.00023 J**	0.005	**0.0026**	0.51	< 0.0031	2.2	< 0.000057	0.026	0.05	**0.013**	0.22	< 0.00015	0.0016	0.002	**0.0033**	0.08	0.1
M7-GL	04/16/2024	Primary	**0.000021 J**	0.005	**0.0017**	0.51	**0.049 J**	2.2	< 0.00011	0.026	0.05	**0.0034**	0.22	< 0.00015	0.0016	0.002	**0.00011 J**	--	0.13
M8-O	04/16/2024	Primary	**0.000030 J**	0.005	**0.0025**	0.8	**0.016 J**	2.2	< 0.000057	0.04	0.05	**0.0068**	0.22	< 0.00015	0.0016	0.002	**0.00011 J**	0.08	0.1
M14-GL	04/24/2024	Primary	**0.0024**	0.005	**0.0041**	0.8	**0.011 J**	2.2	**0.00029 J**	0.04	0.05	**0.029**	0.22	< 0.00015	0.0016	0.002	**0.0028**	--	0.13
M14-GL[1]	06/06/2024	Primary	--	0.005	--	0.8	--	2.2	--	0.04	0.05	--	0.22	--	0.0016	0.002	--	--	0.13
M15-GU	04/15/2024	Primary	**0.00017 J**	0.005	**0.0034**	0.8	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.00057**	0.22	< 0.00015	0.0016	0.002	**0.0057**	--	0.13
M16-GU(R)	04/23/2024	Primary	**0.000084 J**	0.005	**0.0070**	0.8	< 0.0031	2.2	< 0.00029	0.04	0.05	**0.00040**	0.22	< 0.00015	0.0016	0.002	**0.00046 J**	0.08	0.1
M17-GL	04/11/2024	Primary	**0.000044 J**	0.005	< 0.0015	0.8	< 0.0031	2.2	**0.00013 J**	0.04	0.05	**0.0086**	0.22	< 0.00015	0.0016	0.002	**0.00034 J**	0.08	0.1
M19-LBF	04/18/2024	Primary	**0.00012 J**	0.005	**0.0032**	0.8	**0.062 J**	2.2	**0.00012 J**	0.04	0.05	**0.00039**	0.22	< 0.00015	0.0016	0.002	**0.00091**	0.08	0.1
M20-O(R)	04/18/2024	Primary	**0.000064 J**	0.005	**0.0022**	0.8	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.0067**	0.22	< 0.00015	0.0016	0.002	**0.00069**	0.08	0.1
M21-UBF	04/18/2024	Primary	**0.00017 J**	0.005	**0.0055**	0.8	**0.0053 J**	2.2	< 0.000057	0.04	0.05	**0.13**	0.22	< 0.00015	0.0016	0.002	**0.0055**	0.08	0.1
M22-O	04/18/2024	Primary	**0.000024 J**	0.005	**0.0016**	0.8	**0.027 J**	2.2	< 0.000057	0.04	0.05	**0.013**	0.22	< 0.00015	0.0016	0.002	< 0.000015	0.08	0.1
M22-O	04/18/2024	Duplicate	**0.000029 J**	0.005	**0.0019**	0.8	**0.028 J**	2.2	< 0.000057	0.04	0.05	**0.013**	0.22	< 0.00015	0.0016	0.002	< 0.000015	0.08	0.1
M23-UBF	04/24/2024	Primary	**0.00016 J**	0.005	**0.0038**	0.8	**0.0072 J**	2.2	< 0.00029	0.04	0.05	**0.0010 J**	0.22	< 0.00015	0.0016	0.002	**0.00063 J**	0.08	0.1
M24-O	04/23/2024	Primary	**0.00010 J**	0.005	**0.0058**	0.8	**0.19 J**	2.2	< 0.00029	0.04	0.05	**0.016**	0.22	< 0.00015	0.0016	0.002	< 0.000015	0.08	0.1
M24-O	04/23/2024	Duplicate	**0.00012 J**	0.005	**0.0059**	0.8	**0.18 J**	2.2	< 0.00029	0.04	0.05	**0.016**	0.22	< 0.00015	0.0016	0.002	**0.00039 J**	0.08	0.1
M25-UBF	04/23/2024	Primary	**0.00015 J**	0.005	**0.0055**	0.8	< 0.0031	2.2	< 0.00029	0.04	0.05	**0.00054**	0.22	< 0.00015	0.0016	0.002	**0.00091**	0.08	0.1
M26-O	04/22/2024	Primary	**0.000023 J**	0.005	**0.0035**	0.8	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.0010**	0.22	< 0.00015	0.0016	0.002	**0.00044 J**	0.08	0.1
M27-LBF	04/22/2024	Primary	**0.00017 J**	0.005	**0.0037**	0.8	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.0011**	0.22	< 0.00015	0.0016	0.002	**0.0043**	0.08	0.1
M28-LBF	04/22/2024	Primary	**0.000025 J**	0.005	**0.0031**	0.8	< 0.0031	2.2	< 0.00029	0.04	0.05	**0.021**	0.22	< 0.00015	0.0016	0.002	**0.00020 J**	0.08	0.1
M29-UBF	04/22/2024	Primary	**0.00011 J**	0.005	**0.0063**	0.8	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.00032**	0.22	< 0.00015	0.0016	0.002	**0.00051**	0.08	0.1
M30-O	04/17/2024	Primary	**0.00017 J**	0.005	**0.0022**	0.8	**0.029 J**	2.2	< 0.000057	0.04	0.05	**0.0012**	0.22	< 0.00015	0.0016	0.002	**0.010**	0.08	0.1
M31-LBF	04/17/2024	Primary	**0.00013 J**	0.005	**0.0042**	0.8	**0.053 J**	2.2	< 0.000057	0.04	0.05	**0.0070**	0.22	< 0.00015	0.0016	0.002	**0.0012**	0.08	0.1
M52-UBF	04/18/2024	Primary	**0.00012 J**	0.002	**0.0046**	0.8	< 0.0031	1.4	**0.000063 J**	0.04	0.05	**0.00088**	0.52	< 0.00015	0.0016	0.002	**0.00077**	0.08	0.1
M54-LBF	04/09/2024	Primary	**0.00046**	0.002	**0.0064**	0.8	**0.018 J**	1.4	< 0.000057	0.04	0.05	**0.0022**	0.52	< 0.00015	0.0016	0.002	**0.016**	0.08	0.1
M54-O	04/09/2024	Primary	**0.00039**	0.002	**0.0056**	0.8	**0.014 J**	1.4	< 0.000057	0.04	0.05	**0.0017**	0.52	< 0.00015	0.0016	0.002	**0.016**	0.08	0.1
O19-GL	04/17/2024	Primary	**0.000059 J**	0.005	**0.0022**	0.08	< 0.0031	2.2	**0.000063 J**	0.04	0.05	**0.00039**	0.22	< 0.00015	0.0016	0.002	**0.0025**	--	0.13
O49-GL(R)	04/16/2024	Primary	**0.000064 J**	0.005	**0.0021**	0.08	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.000067 J**	0.22	< 0.00015	0.0016	0.002	**0.00025 J**	0.08	0.1
O49-GL(R)	04/16/2024	Duplicate	**0.000074 J**	0.005	**0.0023**	0.08	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.00031**	0.22	< 0.00015	0.0016	0.002	**0.00065**	0.08	0.1
P19-1-O	04/24/2024	Primary	**0.00019 J**	0.005	**0.0026**	0.8	**0.014 J**	2.2	< 0.00029	0.04	0.05	**0.0014**	0.22	< 0.00015	0.0016	0.002	**0.017**	--	0.13
P49-O	04/15/2024	Primary	**0.000055 J**	0.005	**0.011**	0.8	< 0.0031	2.2	< 0.000057	0.04	0.05	**0.0016**	0.22	< 0.00015	0.0016	0.002	**0.00033 J**	0.08	0.1
Arizona Aquifer Water Quality Standard[2]			--		--		--		0.05			--		0.002			0.1		

Notes:

(1) Verification sample was collected on 6/6/2024.
(2) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, Dec 31, 2016.
(3) Total (i.e., non-speciated) dissolved chromium
*Detects are **bolded.***
Non-detects are reported to the laboratory method detection limit (< MDL).
Alert Level Exceedance
AL = Alert level
APP = Temporary Aquifer Protection Permit No. 101704
AQL = Aquifer Quality Limit
J = estimated value
mg/L = milligrams per liter

TABLE 6
Q2 2024 TRACE METALS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Location	Sample Date	Sample Type	Dissolved Selenium			Dissolved Thallium			Total Uranium	Dissolved Zinc	
			mg/L	APP AL	APP AQL	mg/L	APP AL	APP AQL	mg/L	mg/L	APP AL
M1-GL	04/15/2024	Primary	**0.0011 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0045**	< 0.0023	2.5
M2-GU	04/11/2024	Primary	**0.0027**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0068**	**0.0029 J**	2.5
M3-GL	04/11/2024	Primary	**0.0013 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0064**	< 0.0023	2.5
M4-O	04/11/2024	Primary	**0.0018 J**	0.027	0.05	< 0.000023	0.0016	0.002	**0.0024**	< 0.0023	2.5
M6-GU	04/16/2024	Primary	**0.00053 J**	0.027	0.05	**0.000052 J**	0.0016	0.002	**0.00047 J**	**0.0060 J**	2.5
M7-GL	04/16/2024	Primary	**0.00034 J**	0.027	0.05	< 0.000047	0.0016	0.002	< 0.000074	< 0.0023	2.5
M8-O	04/16/2024	Primary	**0.00027 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0028**	< 0.0023	4.0
M14-GL	04/24/2024	Primary	**0.0064 J**	0.04	0.05	**0.0060**	0.0016	0.002	**0.0029**	< 0.011	4.0
M14-GL[1]	06/06/2024	Primary	--	0.04	0.05	**0.000027 J**	0.0016	0.002	--	--	4.0
M15-GU	04/15/2024	Primary	**0.0019 J**	0.04	0.05	**0.000035 J**	0.0016	0.002	**0.0036**	< 0.0023	4.0
M16-GU(R)	04/23/2024	Primary	< 0.0012	0.04	0.05	< 0.00012	0.0016	0.002	**0.0063**	< 0.0023	4.0
M17-GL	04/11/2024	Primary	**0.0018 J**	0.04	0.05	< 0.000023	--	0.024	**0.00070**	**0.0073 J**	4.0
M19-LBF	04/18/2024	Primary	< 0.0012	0.04	0.05	**0.000043 J**	--	0.024	**0.00090**	**0.0064 J**	4.0
M20-O(R)	04/18/2024	Primary	**0.0027**	0.04	0.05	< 0.000023	--	0.024	**0.0038**	< 0.0023	4.0
M21-UBF	04/18/2024	Primary	**0.0021 J**	0.04	0.05	**0.000031 J**	--	0.024	**0.0060**	< 0.0023	4.0
M22-O	04/18/2024	Primary	**0.0014 J**	0.04	0.05	< 0.000023	--	0.024	**0.0033**	< 0.0023	4.0
M22-O	04/18/2024	Duplicate	**0.0017 J**	0.04	0.05	< 0.000023	--	0.024	**0.0032**	< 0.0023	4.0
M23-UBF	04/24/2024	Primary	**0.0018 J**	0.04	0.05	< 0.00012	--	0.024	**0.0062**	< 0.011	4.0
M24-O	04/23/2024	Primary	**0.0061 J**	0.04	0.05	< 0.00012	0.0016	0.002	**0.0010**	< 0.0023	4.0
M24-O	04/23/2024	Duplicate	**0.0057 J**	0.04	0.05	< 0.00012	0.0016	0.002	**0.00098**	< 0.0023	4.0
M25-UBF	04/23/2024	Primary	**0.0023 J**	0.04	0.05	< 0.00012	--	0.024	**0.0077**	< 0.0023	4.0
M26-O	04/22/2024	Primary	**0.0021 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0058**	< 0.0023	4.0
M27-LBF	04/22/2024	Primary	**0.0027 J**	0.04	0.05	< 0.000023	--	0.024	**0.0024 J**	< 0.0023	4.0
M28-LBF	04/22/2024	Primary	< 0.0012	0.04	0.05	< 0.00012	--	0.024	**0.000075 J**	< 0.0023	4.0
M29-UBF	04/22/2024	Primary	**0.0018 J**	0.04	0.05	< 0.000023	--	0.024	**0.0059**	< 0.0023	4.0
M30-O	04/17/2024	Primary	**0.0012 J**	0.04	0.05	< 0.000023	--	0.024	**0.0054**	< 0.0023	4.0
M31-LBF	04/17/2024	Primary	**0.0016 J**	0.04	0.05	< 0.000023	--	0.024	**0.0037**	**0.0027 J**	4.0
M52-UBF	04/18/2024	Primary	**0.0023 J**	0.04	0.05	**0.000034 J**	0.0016	0.002	**0.0055**	< 0.0023	4.0
M54-LBF	04/09/2024	Primary	**0.0019 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0055**	< 0.0023	4.0
M54-O	04/09/2024	Primary	**0.0016 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.0037**	< 0.0023	4.0
O19-GL	04/17/2024	Primary	**0.0012 J**	0.04	0.05	< 0.000023	--	0.024	**0.0040**	< 0.0023	4.0
O49-GL(R)	04/16/2024	Primary	**0.00097 J**	0.04	0.05	< 0.000023	--	0.024	**0.0037**	< 0.0023	4.0
O49-GL(R)	04/16/2024	Duplicate	**0.00099 J**	0.04	0.05	< 0.000023	--	0.024	**0.0037**	< 0.0023	4.0
P19-1-O	04/24/2024	Primary	**0.0024 J**	0.04	0.05	< 0.00012	--	0.024	**0.0026**	< 0.011	4.0
P49-O	04/15/2024	Primary	**0.0024 J**	0.04	0.05	< 0.000023	0.0016	0.002	**0.00023 J**	< 0.0023	4.0
Arizona Aquifer Water Quality Standard[2]			0.05			0.002			--	--	

Notes:

(1) Verification sample was collected on 6/6/2024.
(2) Arizona Aquifer Water Quality Standard (AWQS), Drinking Water Standard, Dec 31, 2016.
(3) Total (i.e., non-speciated) dissolved chromium
Detects are ***bolded.***
Non-detects are reported to the laboratory method detection limit (< MDL).
Alert Level Exceedance
AL = Alert level
APP = Temporary Aquifer Protection Permit No. 101704
AQL = Aquifer Quality Limit
J = estimated value
mg/L = milligrams per liter

APPENDIX A
Data Quality Assurance/Quality Control Summary Memorandum

HALEY & ALDRICH, INC.
One Arizona Center
400 E. Van Buren St., Suite 545
Phoenix, AZ 85004
602.760.2450

MEMORANDUM

28 July 2024
File No. 133887-019

TO: Haley & Aldrich, Inc.
Laura Menken R.G.

FROM: Haley & Aldrich, Inc.
Alexis Rainery, Project Engineer

SUBJECT: Appendix A – Data Quality Assurance/Quality Control Summary

Analytical results for environmental samples collected during the second quarter 2024 compliance monitoring event were verified in accordance with guidance provided by the U.S. Environmental Protection Agency (USEPA; 2012).[1] For each laboratory data package, the following quality control/quality assurance criteria from the analysis of the project samples were reviewed:

- Completeness with the chain of custody (COC);
- Comparison of reporting limits to alert levels (AL) and aquifer quality limits (AQL);
- Holding times/preservation;
- Blank sample analysis;
- Surrogate recovery compliance;
- Laboratory control samples;
- Matrix spike samples;
- Laboratory and field duplicate sample analysis; and
- Verification of laboratory report data.

Sample data were qualified by the laboratory in accordance with laboratory standard operating procedures (SOP). Based on a check of the data qualifiers assigned to the project sample results, these flags were applied to the reported results in accordance with the laboratory-specific SOP.

[1] USEPA, 2012. USEPA Region 9 Guidance for Quality Assurance Program Plans, R9QA/03.2. March.

COMPLETENESS WITH CHAIN OF CUSTODY

Samples were collected, preserved, and shipped following standard COC protocol. Samples were also received appropriately, identified correctly, and analyzed according to the COC. COCs were appropriately signed and dated by the field and/or laboratory personnel with the following exceptions:

- For laboratory reports 24D0390, 24D0458, 24D0515, 24D0552, 24D0567, 24E0577, 24D0603, 24D0654, 24D0667, 24D0695, 24F0201, and 24F0203, the laboratory did not document the presence of a custody seal.
- On 17 May 2024, laboratory report 24D0695 was revised after the Matrix Spike 2, Matrix Spike Duplicate 2, and the associated source sample were contaminated by a previously analyzed sample. All detected samples in the batch were re-analyzed for confirmation.
- On 11 April 2024, laboratory report 24D0390 was revised to correct sample IDs.

REPORTING LIMITS

The reporting limits and/or method detection limits were at or below the applicable ALs and AQLs.

HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified as per each method's protocol with the following exceptions:

Laboratory Report	Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
24D0390	E300	Water	48 Hours	Cool to ≤ 6°C	The following sample was analyzed for nitrate past the holding time: M54-LBF-040924 M54-O-040924 Wells were resampled and analyzed within the appropriate holding time. Results from the resampling event are in laboratory report 24D0695.
24D0458	E300	Water	48 Hours	Cool to ≤ 6°C	The following sample was analyzed for nitrate past the holding time in a lab confirmation run: M2-GU-041124
24D0667	E300	Water	48 Hours	Cool to ≤ 6°C	The following sample was analyzed for nitrate past the holding time in a lab confirmation run: M25-UBF-042324
24D0603	E300	Water	48 Hours	Cool to ≤ 6°C	The following sample was analyzed for nitrate past the holding time in a lab confirmation run: M21-UBF-041824

Laboratory Report	Method	Matrix	Holding Time	Preservation	Sample ID, Violation, Qualification
24D0654	E300	Water	48 Hours	Cool to ≤ 6°C	The following sample was analyzed for nitrate past the holding time in a lab confirmation run: M29-UBF-042224
24D0515	SW8015D	Water	7 day extraction, 40 days analysis	Cool to ≤ 6°C	The following samples were reextracted past the seven-day holding time due to low recovery in the associated laboratory control sample duplicate (LCSD): M15-GU-041524 M1-GL-041524 P49-O-041524

Notes:
USEPA = United States Environmental Protection Agency
°C = degrees Celsius

BLANK SAMPLE ANALYSIS

Method blank samples had no detections, indicating that no contamination from laboratory activities occurred with the following exceptions:

Laboratory Report	Associated Sample ID(s)	Batch ID	Analyte Detected in Method Blank	Concentration (mg/L)
24D0390	M54-O-040924 M54-LBF-040924 Trip Blank	2404144	Antimony	0.00015 J
			Nickel	0.000020 J
24D0458	M17-GL-041124 M3-GL-041124 M4-O-041124 M2-GU-041124	2404144	Antimony	0.00015 J
			Nickel	0.000020 J
24D0515	M15-GU-041524 P49-O-041524 M1-GL-041524	2404281	Antimony	0.00011 J
24D0552	049-GL(R)-041624 01490-GL(R)-041624 M7-GL-041624 M8-O-041624 M6-GU-041624	2404281	Antimony	0.00011 J
24D0567	M31-LBF-041724 M30-O-041724 O19-GL-041724	2404281	Antimony	0.00011 J
24D0603	M22-O-041824 M1220-O-041824	2404281	Antimony	0.00011 J

Laboratory Report	Associated Sample ID(s)	Batch ID	Analyte Detected in Method Blank	Concentration (mg/L)
24D0603	M20-O-R-041824 M19-LBF-041824 M21-UBF-041824 M52-UBF-041824	2405046	Antimony	0.00024 J
24D0654	M28-LBF-042224 M27-LBF-042224 M26-O-042224 M29-UBF-042224	2405046	Antimony	0.00024 J
24D0667	M24-O-042324 M1240-O-042324 M25-UBF-042324 M16-GUR-042324	2405046	Antimony	0.00024 J
24D0695	M14-GL-042424 P19-1-O-042424 M23-UBF-042424 M54-LBF-042424 M54-O-042424	205116	Antimony	0.00019 J
			Nickel	0.000063 J

Notes:
J = estimated
mg/L milligrams per liter

Trip blank samples had no detections, indicating that no contamination occurred during shipping.

SURROGATE RECOVERY COMPLIANCE

Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to preparing samples for determining the efficiency of the extraction procedure by evaluating the percent recovery (%R) of the compounds. The %R for each surrogate compound added to each project sample was determined to be within the laboratory specified quality control limits.

LABORATORY CONTROL AND MATRIX SPIKE SAMPLES

Compounds associated with the laboratory control sample, matrix spike, and matrix spike duplicate analyses exhibited recoveries and relative percent differences (RPD) within the specified limits with the following exceptions:

Laboratory Report	Associated Sample ID(s)	Sample Type	Method	Batch ID	Analyte	%R, RPD	Acceptable %R, RPD
24D0390	M54-LBF-040924	MS	USEPA 200.7	2404145	Calcium	48%	70-130%
					Sodium	5%	70-130%

Laboratory Report	Associated Sample ID(s)	Sample Type	Method	Batch ID	Analyte	%R, RPD	Acceptable %R, RPD
24D0515	P49-O-041524	MS	USEPA 200.8	2404281	Arsenic	132%	70-130%
					Barium	138%	70-130%
					Beryllium	142%	70-130%
					Cadmium	133%	70-130%
					Lead	135%	70-130%
					Selenium	133%	70-130%
24D0552	049-GL(R)-041624	MS	USEPA 200.7	2404201	Calcium	41%	70-130%
					Sodium	5%	70-130%
24D0552	01490-GL(R)-041624	MS	USEPA 200.7	2404201	Calcium	49%	70-130%
					Sodium	18%	70-130%
24D0667	M25-UBF-042324	MS	SW8260B	2405073	1,1-Dichloroethene	134%	70-130%
24D0695	M14-GL-042424	MS	USEPA 200.7	2405110	Calcium	66%	70-130%
					Sodium	14%	70-130%
24D0695	P19-1-O-042424	MS	USEPA 200.7	2405110	Sodium	59%	70-130%
24D0695	P19-1-O-042424	MS	USEPA 200.8	2405116	Zinc	134%	70-130%

Notes:
% = percent
%R = percent recovery
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference
USEPA = U.S. Environmental Protection Agency

LABORATORY AND FIELD DUPLICATE SAMPLES

The RPDs for laboratory duplicate analysis were all below 20 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The samples collected for field duplicate analysis and the RPDs were all below 35 percent for water (or the absolute difference rule was satisfied if detects were less than 5 times the reporting limit).

Primary Sample ID	Duplicate Sample ID	Methods for Which Field Duplicates Were Analyzed
M22-O-041824	M1220-O-041824	pH by SM 4500H+ Electroconductivity by SM 2510 Anions by USEPA 300.0 Total Dissolved Solids by SM 2540C Metals by USEPA 200.7 and USEPA 200.8 Gross Alpha by 600/00-02 Radium 226 + 228 by 903/Gamma Ray HPGE Uranium Isotopes (Activity) by ASTM 6239 Extractable Fuel Hydrocarbons by USEPA 8015D Volatile Organic Compounds by USEPA 8260B
M24-O-042324	M1240-O-042324	
O49-GL(R)-041624	O1490-GL(R)-041624	

Notes:
SM = Standard Method
USEPA = U.S. Environmental Protection Agency

VERIFICATION OF LABORATORY REPORT DATA

A minimum of 10 percent of the data reported by the laboratory were verified against the electronic data deliverables.

\\haleyaldrich.com\share\phx_common\Projects\Florence Copper\133887 Quarterly Monitoring\Deliverables\2Q 2024 Reports\2Q 2024 APP Report\Attachments\APP 10A UIC 5C - Quarterly Compliance Monitoring Report\Appendix A APP QA_QC Summary Q2_2024_D4.docx

ATTACHMENT 6

Results of Monthly Lixiviant Organic Analysis

TABLE 1
MONTHLY LIXIVIANT (RAFFINATE) MONITORING RESULTS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Analyte	Units	Sample Date		
		4/22/2024	5/21/2024	6/4/2024
Benzene	mg/L	<0.0005	<0.0005	<0.0005
Ethylbenzene	mg/L	<0.0005	<0.0005	<0.0005
Napthalene	mg/L	<0.002	<0.002	<0.002
n-Octane	mg/L	<0.0005	<0.0005	<0.0005
Toluene	mg/L	<0.0005	<0.0005	<0.0005
Xylenes, Total	mg/L	<0.0015	<0.0015	<0.0015
TPH-Diesel	mg/L	<0.10	<0.10	<0.10
Total Organics	mg/L	<0.10	<0.10	<0.10
Maximum Allowable Average Total Organics	mg/L	10	10	10

Notes:
mg/L = milligrams per liter
TPH = total petroleum hydrocarbons

ATTACHMENT 7

Results of Mechanical Integrity Testing

TABLE 1
Q2 2024 MECHANICAL INTEGRITY TESTS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Q2 2024 Mechanical Integrity Tests			
Well ID	**Temperature Log Date**	**Pressure Test Date**	**Pass (P) Fail (F)**
WB-01	4/24/2024	NA	P
WB-02	4/24/2024	NA	P
WB-03	4/24/2024	NA	P
WB-04	4/24/2024	NA	P

Notes:

Temperature log report sent to U.S. Environmental Protection Agency under separate cover.

ATTACHMENT 8

Results of Monthly Treated Water Samples

TABLE 1
Q2 2024 MONTHLY ISCR WELLFIELD WATER ANALYTICAL RESULTS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Monitoring Parameters	Maximum Ambient Water Quality[1]	Analytical Results		
		4/22/2024	5/21/2024	6/4/2024
Metals				
Aluminum	0.08	< 2.0	< 2.0	< 2.0
Antimony	0.0005	< 0.20	< 0.20	< 0.20
Arsenic	0.0029	< 0.0400	< 0.0400	< 0.0400
Barium	0.11	< 0.050	< 0.050	< 0.050
Beryllium	0.0005	< 0.0020	< 0.0020	< 0.0020
Cadmium	0.0014	< 0.0020	< 0.0020	< 0.0020
Chromium	0.01	< 0.030	< 0.030	< 0.030
Cobalt	0.0081	< 0.10	< 0.10	< 0.10
Copper	1.9	0.65	1.2	1.1
Iron	0.3	< 0.30	< 0.30	< 0.30
Lead	0.001	< 0.040	< 0.040	< 0.040
Magnesium	30	< 3.0	< 3.0	< 3.0
Manganese	0.12	< 0.020	0.03	0.022
Mercury	0.001	< 0.0010	< 0.0010	< 0.0010
Molybdenum	--	< 0.010	< 0.010	< 0.010
Nickel	0.015	< 0.050	< 0.050	< 0.050
Selenium	0.0039	< 0.040	< 0.040	< 0.040
Thallium	0.001	< 0.050	< 0.050	< 0.050
Uranium	--	< 0.00050	0.00072	0.00067
Zinc	1.9	< 0.040	< 0.040	< 0.040
Inorganic Parameters				
Total Alkalinity	220	NA[2]	NA[2]	NA[2]
Bicarbonate	220	NA[2]	NA[2]	NA[2]
Carbonate	20	NA[2]	NA[2]	NA[2]
Hydroxide	2	NA[2]	NA[2]	NA[2]
pH (pH Units)	8.7	2.5	2.9	2.7
Temperature (°C)	32.4	21	24.0	24.0
Conductivity	1800	640	420	410
Calcium	140	< 4.0	< 4.0	< 4.0
Chloride	340	33	25	25
Fluoride	0.89	0.74	0.74	0.65
Potassium	11	< 5.0	< 5.0	< 5.0
Sodium	180	< 5.0	< 5.0	< 5.0
TDS	1100	< 20	31	24
Nitrate (as N)	9.7	2.1	1.8	1.9
Nitrite (as N)	0.1	< 0.10	< 0.10	< 0.10
Sulfate	230	35	37	32
Organic Parameters				
Benzene	0.063	< 0.00050	< 0.00050	< 0.00050
Ethylbenzene	0.054	< 0.00050	< 0.00050	< 0.00050
Naphthalene	--	< 0.002	< 0.002	< 0.002
n-octane	--	< 0.00050	< 0.00050	< 0.00050
Toluene	0.057	< 0.00050	< 0.00050	< 0.00050
Total Xylene	0.13	< 0.0015	< 0.0015	< 0.0015
Total Petroleum Hydrocarbons - Diesel	0.17	< 0.10	< 0.10	< 0.25
Radionuclide Parameters				
Gross Alpha (pCi/L)	2.8	0.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.2
Uranium Isotopes (total) (pCi/L)	30.2	< 0.4	< 0.4	< 0.4
Adjusted Gross Alpha (pCi/L)	15.4	0.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.2
Gross Beta (pCi/L)	--	< 2.0	< 2.0	< 2.0
Radium Isotopes 226+228 (pCi/L)	6.2	< 0.9	< 0.8	1.7 ± 0.4
Radon (pCi/L)	--	272.0 ± 30.0	390.0 ± 42.0	547.0 ± 57.0

Notes:
(1) Maximum ambient water quality at the site pre-operation.
(2) Alkalinity analysis was not reported due to matrix interference. Sample pH was less then 4.5.
(3) Exceedance of analysis hold time.
All results in milligrams per liter (mg/L) unless otherwise noted.
Non-detects are reported to the laboratory reporting limit
Radionuclide data presented as result ± uncertainty
ISCR = in-situ copper recovery
pCi/L = picocuries per liter

ATTACHMENT 9

Results of Annular Conductivity Device Monitoring of Mechanical Integrity

ANNULAR CONDUCTIVITY DATA
QA PROCEDURE & DOCUMENTATION FORM (V.1

hydroGEOPHYSICS

GENERAL

HGI Project Name:	Project Site:	Weather Conditions:
2018-030 – FCP Bulk & Annular Conductivity Monitoring	Florence Copper Project	57, SUNNY, V. WINDY
Date 4/4/2023	**Field Operator Name:** C. BALDYGA	**Start and End Time:** 1224 – 1245

EQUIPMENT

AGI MiniSting (MS) Serial #:
S0608049
HGI Cray Interface Panel SN#
CR-ES-002

DIAGNOSTICS

(See back of sheet for detailed instructions and procedures)

6Ω Resistor Standard
Result: 6.39
Pass Criteria: 6.25Ω ± 0.30
Circle One: Pass or Fail

MEASUREMENT SETTINGS

- No. Cycles: 4
- Max Error: Off
- Max Current: 50mA
- Measure Time: 3.6
- Measure mode: RESISTANCE

DATA COLLECTION:

	WELL ID	Time (24h)	Current (1 mA)	1			2			3			Data Acceptance Pass = P, Fail = F
				Reading	Resistance (ΔV= Ω)	Error (σ= %)	Reading	Resistance (ΔV= Ω)	Error (σ= %)	Reading	Resistance (ΔV= Ω)	Error (σ=%)	
1	WB-04	1224	20	4	61.47	1.4	5	57.59	0	6	55.79	0.5	P / F
2	WB-03	1226	20	7	84.06	1	8	80.03	0.3	9	78.14	0.8	P / F
3	WB-02	1228	20	10	69.42	1.7	11	69.43	2.1	12	69.30	2.2	P / F
4	WB-01	1230	20	13	50.57	1.7	14	49.79	2.6	15	49.62	2.1	P / F
5	B-01	1232	20	16	70.44	0.5	17	69.65	1	18	69.53	1	P / F
6	B-07	1233	20	19	67.65	1	20	66.29	1.5	21	65.65	1.6	P / F
7	B-06	1235	20	22	59.45	0.9	23	57.95	1.9	24	58.11	1.8	P / F
8	B-05	1238	20	25	93.87	0.7	26	91.32	0.1	27	90.01	0	P / F
9	B-04	1240	20	28	56.97	1.6	29	53.87	0.1	30	52.39	0.2	P / F
10	B-03	1242	20	31	64.04	1.9	32	60.46	0.7	33	58.61	0.3	P / F
11	B-02	1245	20	34	50.53	1.9	35	50.43	2.8	36	50.55	2.8	P / F

Well ID's that begin with a "B" correspond to the wells that begin with an "O" in standard reporting. For example, B-01 corresponds to O-01.

DATA QUALITY ACCEPTANCE

Measurement Error Evaluation
Pass Criteria: 66% (2/3) of measurement error values less than 5%

FIELD OBSERVATIONS

NO SITE ACTIVITIES.

SIGNATURES

Christopher Baldyga 4/4/2023
Field Operator Signature/Date

Christopher Baldyga 4/4/2023
Data Inspector Signature/Date

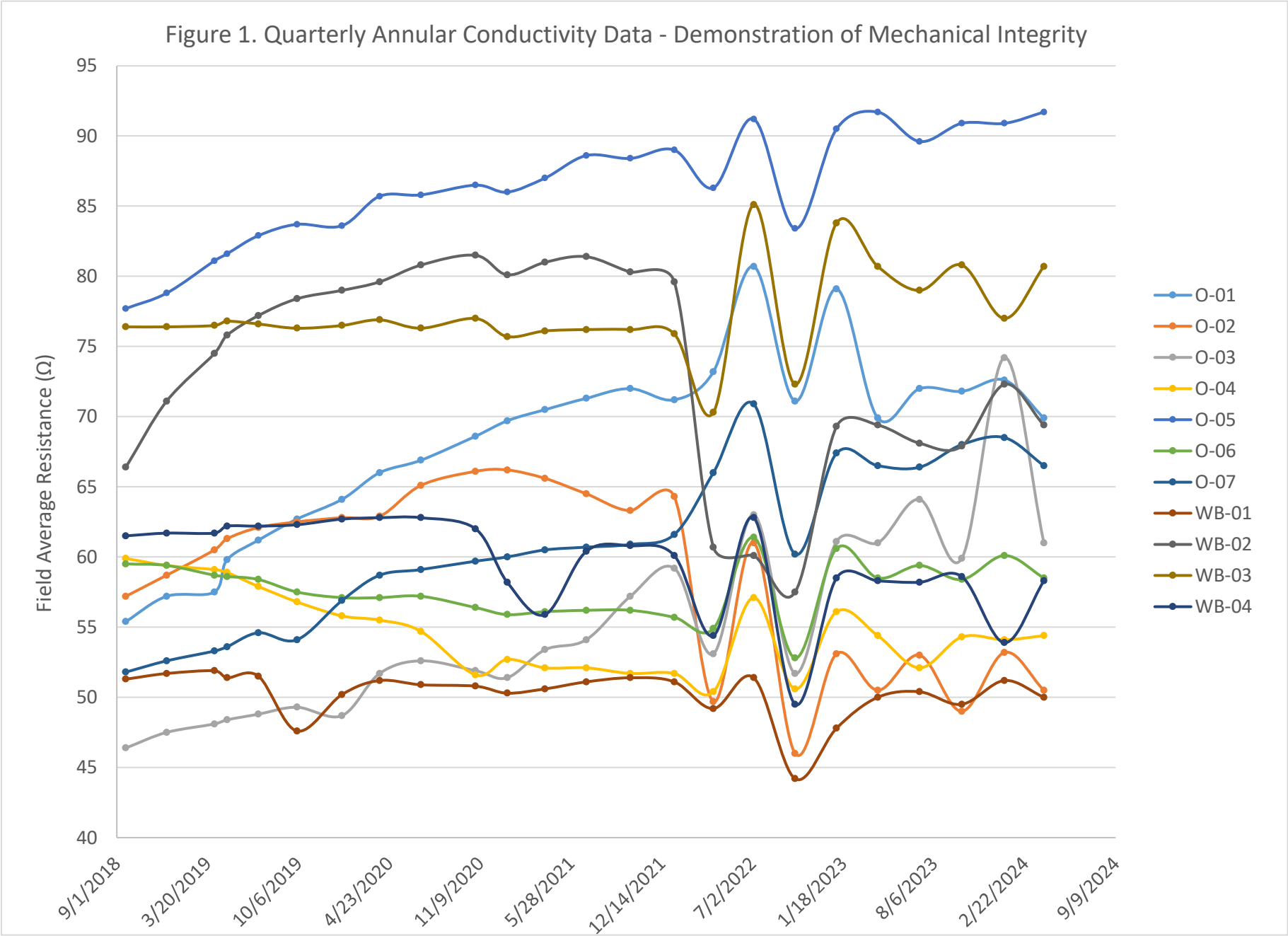


Figure 1. Quarterly Annular Conductivity Data - Demonstration of Mechanical Integrity
Field Average Resistance (Ω)
95
90
85
80
75
70
65
60
55
50
45
40
9/1/2018
3/20/2019
10/6/2019
4/23/2020
11/9/2020
5/28/2021
12/14/2021
7/2/2022
1/18/2023
8/6/2023
2/22/2024
9/9/2024
O-01
O-02
O-03
O-04
O-05
O-06
O-07
WB-01
WB-02
WB-03
WB-04

ATTACHMENT 10

Results of Annular Conductivity Device Monitoring of Hydraulic Control and ISCR Fluid Movement

(Placeholder – Not Applicable for this Monitoring Period)

ATTACHMENT 11

Summary of Plugging and Abandonment

RGC
Hydro Services

Technical Memorandum

REGISTERED PROFESSIONAL GEOLOGIST
CERTIFICATE NO.
49659
LAUREN A.
CANDREVA
Date Signed: 7-22-2024
ARIZONA, U.S.A.
Exp. 6-27-2027

Date: July 22, 2024

To: Florence Copper, Inc.
Ian Ream, Hydrogeological Superintendent

From: RGC Hydro Services LLC
Lauren Candreva, R.G.

Subject: Q2 2024 Pre-Production Well and Corehole Abandonments
Florence Copper, Florence, Arizona

This document summarizes the abandonment of wells and coreholes completed during the second quarter (Q2) of 2024 at the Florence Copper site in Florence, Arizona. The drilling and abandonment work was conducted by ACS Services LLC (ACS), a licensed Arizona well driller, and McMillan's Well Service LLC (McMillan) provided blasting services. Oversight of key abandonment activities was conducted by RGC Hydro Services LLC (RGC Hydro).

The site *Underground Injection Control (UIC) Permit (R9UIC-AZ3-FY19-1)* and *Aquifer Protection Permit (APP) No. P-101704* require the abandonment of each well or corehole within 500 feet of the active resource blocks that were not constructed to Class III well standards. Section 2.2.3 of the APP also requires the abandonment of all wells and coreholes within 150 feet of all ponds and impoundments. All abandonments were completed in accordance with the UIC Permit, APP, and applicable Arizona Department of Water Resources (ADWR) regulations. This report summarizes all abandonment work completed during Q2 2024, abandonment work is ongoing at the Site.

During Q2 2024 a total of 14 abandonments were completed, including 10 coreholes and 4 wells. All abandonments completed during Q2 2024 were located within the Area of Review for the Site UIC Permit. A map showing the location of the abandoned wells and coreholes is included in Attachment 1. All depths are reported in depth below ground surface (bgs) unless otherwise indicated.

Abandonment Methods

The abandonments were completed by blast perforating and grouting via submerged tremie pipe with Type V neat cement grout.

The exploration coreholes and well records were evaluated to determine the depth and location of casing and annular materials.

The total current depth was measured for each well and corehole. If the well or corehole was not open to the minimum cleanout depth, a rotary drilling rig was used to drill and clean out to the minimum cleanout depth of 100 feet below the bedrock contact. Once the well or corehole was open, tremie pipe was run to the bottom of the open interval and the detonating cord was lowered into the well or corehole between the casing and the tremie pipe, by McMillan, to the design depth. Grout was pumped down through the tremie pipe until grout returns were observed at the surface. The tremie pipe was removed and the detonation cord was detonated to perforate the casing before the grout cured. After blasting the well or corehole, the casing was removed to 2 to 5 feet below surface and the grout was topped off with Type V cement grout to approximately 2 feet. Native fill was backfilled in the top 2 feet.

All the abandonment methods and activities conformed to the methods described in Appendix C of the UIC Permit.

Summary of Abandonment Completions

All exploration coreholes and wells were abandoned in accordance with the methods in Appendix C of the UIC Permit requiring that the coreholes be cleaned out to the minimum cleanout depth of 100 feet below the bedrock contact and perforated across the documented and/or modeled lithologic contacts. Type V neat cement was used for all abandonments and all grout volumes exceeded the calculated volume for abandonment.

The following exploration coreholes were abandoned during this phase of abandonments:

- 103MF
- 18S
- 33S
- 359S
- 458S
- 464MF
- 467MF
- 67S
- 6S
- MCC521

The following wells were abandoned during this phase of abandonments:

- O15-O
- OB2-1
- P15-O
- PW7-1

ACS Services was mobilized to the site to clean out the wells and exploration Coreholes beginning in December 2023, but no abandonments were completed until January 2024. Abandonments completed during Q1 2024 were summarized in the Q1 2024 Pre-Production Well and Corehole Abandonments Technical Memorandum dated April 19, 2024.

Exploration coreholes and wells that were not open to the minimum cleanout depth were cleaned out to the minimum cleanout depth by ACS Services' rotary rig from March to May

2024. McMillan provided the blasting perforation services for all abandonments during two mobilizations in April and May 2024.

Prior to grouting and blasting, all holes were tagged again to ensure that they remained open to the minimum grouting depth after cleanout.

Each corehole or well that was cased had tremie pipe installed to within thirty feet of the tagged open depth. Pentex PETN 100 grain detonating cord was installed across the required perforated intervals, and grout was installed from the cleanout or open depth to ground surface. Blasting materials were detonated before the grout cured to perforate the casing and allow for the grout to push into the surrounding formation.

Two coreholes abandoned during Q2 2024 did not have any casing installed. Corehole 6S was excavated and no casing was observed at surface, drilling cleanout commenced to the cleanout depth and no evidence of casing was encountered. Corehole MCC-521 records indicate that the casing was removed from the corehole at the time it was drilled and the corehole was abandoned immediately after drilling using native backfill up to 20 feet, and neat cement from 0-20 feet. Because the previous abandonment did not conform to the minimum abandonment criteria in the Site UIC permit, the corehole was cleaned out and abandoned with Type V neat cement. Because these two corheoles did not have any casing, no perforating was necessary.

All exploration coreholes abandoned had the top five feet of casing removed, cement brought to 2 feet, and the excavation was backfilled with native material. Wells had the top 2 feet of casing removed and the excavation above 2 feet was backfilled with native material.

Attachment 2 includes a summary table of the abandonment details for the coreholes and wells included in this phase of abandonment.

ADWR Well Completion Reports for the abandoned exploration coreholes and wells are included in Attachment 3. United States Environmental Protection Agency Plugging and Abandonment forms for the exploration coreholes and wells located within the Area of Review are included in Attachment 4.

Attachments:

Attachment 1: Quarter 2 2024 Well and Corehole Abandonment Map

Attachment 2: Quarter 2 2024 Corehole and Well Abandonment Summary Table

Attachment 3: ADWR Completion Reports for Q2 2024 Well and Corehole Abandonments

Attachment 4: USEPA Plugging and Abandonment Reports for Q2 2024 Well and Corehole Abandonments

RGC
Hydro Services

Attachment 1

Quarter 2 2024 Well and Corehole Abandonment Map

Legend

- PROPERTY BOUNDARY
- STATE LAND BOUNDARY
- Q2 ABANDONED COREHOLE
- Q2 ABANDONED WELL

RGC Hydro Services
Florence Copper

QUARTER 2 2024
WELL AND COREHOLE ABANDONMENTS
FLORENCE COPPER, FLORENCE, ARIZONA

RGC
Hydro Services

Attachment 2

Quarter 2 2024 Well and Corehole Abandonment Summary Table

Table 1
Quarter 2 2024 Well and Corehole Abandonment Summary Table
Florence Copper Inc.
Florence, Arizona

General Information					Construction Details								Well Abandonment Details							
Name	ADWR Registry ID	Well Type	Easting	Northing	Total Depth (feet)	Diameter of Surface Borehole (inches)	Diameter of Surface Casing (inches)	Depth of Surface Casing (feet)	Diameter of Intermediate Borehole (inches)	Diameter of Intermediate Casing (inches)	Depth of Intermediate Borehole/ Casing (feet)	Cement Seal (feet)	Abandonment Material	Abandon Bottom Depth (feet)	Abandon Upper Depth (feet)	Calculated Grout Volume (cubic feet)	Actual Grout Volume (cubic feet)	Casing Treatment	Depth Interval of Casing Treatment (feet bls)	Date of Abandonment Completion
COREHOLES																				
103MF	55-483129	Exploration Corehole	848485.642	745480.701	2215	7.88 to 35 ft 6.25 to 60 ft	5.5	60	4.75	3	500	NR	Type V Neat Cement	592	2	29	63	Blast Perforation	5-500	4/22/2024
18S	55-483135	Exploration Corehole	848735.51	745998.766	2066	NR	NR	NR	4.75	NR	400	NR	Type V Neat Cement	470	2	23	90	Blast Perforation	5-400	5/22/2024
33S	55-483121	Exploration Corehole	849920.8	746341.9	1468	NR	4.75	NR	NR	NR	380	NR	Type V Neat Cement	442	2	22	36	Blast Perforation	5-375	5/20/2024
359S	55-483131	Exploration Corehole	848485.508	745998.764	2689	6.5	5	60	5	NR	350	NR	Type V Neat Cement	479	2	23	42	Blast Perforation	5-350	4/22/2024
458S	55-483134	Exploration Corehole	846990.117	745993.873	876	7.88	5	40	5	NR	876	NR	Type V Neat Cement	876	2	43	59	Blast Perforation	10-860	4/22/2024
464MF	55-483133	Exploration Corehole	847235.503	745565.688	594	7.88	5	60	5	3	594	NR	Type V Neat Cement	594	2	29	61	Blast Perforation	10-594	4/22/2024
467MF	55-483128	Exploration Corehole	847610.51	745349.192	370	7.88	6	55	5	NR	370	NR	Type V Neat Cement	373	2	18	33	Blast Perforation	10-370	4/22/2024
67S	55-483125	Exploration Corehole	849234.3	746093.0	1829	NR	NR	NR	NR	NR	358	NR	Type V Neat Cement	447	2	22	45	Blast Perforation	5-355	4/22/2024
6S	55-483123	Exploration Corehole	850711.462	746339.1	658	NR[1]	NR	NR	4.75	NR[1]	405	NR	Type V Neat Cement	460	2	22	33	No Casing	NA	5/5/2024
MCC521	55-483120	Exploration Corehole	846922.044	746545.123	1600	NA	NA	NA	NA	NA	NA	NA	Type V Neat Cement	1056	2	51	51	No Casing	NA	5/3/2024

NR = not recorded

NA = not applicable

1 - no record of casing and no evidence of casing in borheole, so no casing treatment necessary

2 - records indicate all casing was pulled from the corehole after drilling, backfilled and only top 20 feet grouted; cleaned out to cleanout depth to seal with Type V cement

Table 1
Quarter 2 2024 Well and Corehole Abandonment Summary Table
Florence Copper Inc.
Florence, Arizona

General Information					Construction Details											Abandonment Details							
Name	ADWR Registry ID	Well Type	Easting	Northing	Total Depth (feet)	Diameter of Surface Borehole (inches)	Diameter of Surface Casing (inches)	Depth of Surface Casing (feet)	Diameter of Well Borehole (inches)	Diameter of Well Casing (inches)	Depth of Borehole (feet)	Screened Interval (feet)	Cement Seal (feet)	Bentonite Grout Seal (feet)	Filter Pack Interval (feet)	Abandon Material	Abandon Bottom Depth (feet)	Abandon Upper Depth (feet)	Calculated Grout Volume (feet ^{3})	Actual Grout Volume (feet ^{3})	Casing Treatment	Depth Interval of Casing Treatment (feet bls)	Date of Abandonment Completion
WELLS																							
O15-O	55-549160	Monitoring Well	847294.26	745484.65	1315	16	14	20	9.88	4.5	1330	632-1295	0-20	20-570	580-1330	Sand[1] and Type V Neat Cement Grout	1021	2	80	270	Blast Perforate	10-632	4/22/2024
OB2-1	55-483118	Monitoring Well	849352.97	746204.73	640	NR	NR	NR	NR	4.5	640	400-620	0-20	NR	NR	Type V Neat Cement Grout	631	2	50	191	Blast Perforate	10-400	4/22/2024
P15-O	55-549158	Test Well	847385.51	745475.38	1321	16	14	20	10.63	6.63	1380	580-1300	0-20	20-530	540-1380	Type V Neat Cement Grout	1292	2	233	347	Blast Perforate	10-580	4/22/2024
PW7-1	55-473117	Test Well	848612.60	745514.69	900	NR	12	20	9 7/8	6.63	900	548-880	0-540	NA	548-900	Type V Neat Cement Grout	884	2	160	233	Blast Perforate	10-550	4/22/2024

NR = not recorded

1 - bottom of well backfilled with fine sand from 1315 to 1021 feet prior to grouting

RGC
Hydro Services

Attachment 3

ADWR Completion Reports for Q2 2024 Well and Corehole Abandonments

Arizona Department of Water Resources
Groundwater Permitting and Wells Section
1802 W Jackson St. Box 79, Phoenix, AZ 85007
(602) 771-8527 • www.azwater.gov

Well Abandonment Completion Report

- Review instructions prior to completing form in black or blue ink.
- The drilling firm or single well licensee must file this report within 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER

WELL REGISTRATION NUMBER
55 - 483123

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:

NAME: RCS Services LLC	DWR LICENSE NUMBER: 854
ADDRESS: 7235 W Broadway Rd	TELEPHONE NUMBER: 480-968-0190
CITY / STATE / ZIP: Mesa / AZ 85202	FAX:

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: AZ State Land	CONTACT PERSON NAME AND TITLE: Jan Rean
MAILING ADDRESS: 1616 W Adam St	TELEPHONE NUMBER: 520-374-3984
CITY / STATE / ZIP CODE: Phoenix, AZ 85007	FAX:

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W Hunt Hwy, Florence AZ 85132

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4S	9E	28	SE ¼	NE ¼	SW ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL

LATITUDE: 33° 3' 2.00" N (Degrees / Minutes / Seconds)
LONGITUDE: 111° 25' 29.0" W (Degrees / Minutes / Seconds)

LAND SURFACE ELEVATION AT WELL: 1472 Feet Above Sea Level

METHOD OF LATITUDE/LONGITUDE (CHECK ONE): ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE): ☐ NAD-83 ☒ Other (please specify): Google Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE: 6S
3. Prior to abandonment, did the well have 20' of surface casing AND 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	
6. Why was the well abandoned?	Not Needed		

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 -

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	405	4.75	0	N/R	N/R	☐	☐	☐	N/R	☐	☐	☐	☐	☐		
405	658	2.97				☐	☐	☐		☐	☐	☐	☐	☐		
						☐	☐	☐		☐	☐	☐	☐	☐		

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
						BENTONITE						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
		☐	☐	☐	☐	☐	☐	☐	N/R	☐	☐	
		☐	☐	☐	☐	☐	☐	☐		☐	☐	
		☐	☐	☐	☐	☐	☐	☐		☐	☐	

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information.

DEPTH TO WATER: Feet Below Land Surface

DATE ABANDONMENT COMPLETED: 5/5/24

Casing Treatment

DEPTH FROM SURFACE		TREATMENT TYPE (T)				
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS THAT WERE ADDED
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	

Sealing or Fill Material

DEPTH FROM SURFACE		MATERIAL TYPE (T)									MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
							HIGH SOLIDS BENTONITE					
FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	GROUT	CHIPS	PELLETS	SAND		
0	2	☐	☐	☐	☐	☐	☐	☐	☐	☐		Native
2	460	☒	☐	☐	☐	☐	☐	☐	☐	☐	2:1	33
		☐	☐	☐	☐	☐	☐	☐	☐	☐		
		☐	☐	☐	☐	☐	☐	☐	☐	☐		

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4:
  - ☐ Variance Option
- ☒ Alternative 5:
  - ☐ Variance Option 1
  - ☐ Variance Option 2
- ☐ Other *(please specify)*:

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*:

REMARKS

I state that this notice is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charly Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 CAD
WELL REGISTRATION NUMBER
55 - 483135

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0S	9.0E	28	SW 1/4	NE 1/4	SE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL

LATITUDE			LONGITUDE		
33°	2'	59.00" N	111°	25'	52.00" W
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

LAND SURFACE ELEVATION AT WELL
1473 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One): ☒ *GPS: Hand-Held
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☒ Other *(please specify)*: Google - Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 18S
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not Needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483135

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	45	NR			NR	X										
45	400	4 3/4				X										
400	2000															

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
					X				NR			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional Information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 05-22-2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
5	400					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	470	X									2:1	90

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 DBD
WELL REGISTRATION NUMBER
55 - 483121

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS 1575 W. HUNT HWY	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W. Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SE 1/4	NW 1/4	SE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL

LATITUDE: 33° (Degrees) 3' (Minutes) 3.00" N (Seconds)
LONGITUDE: 111° (Degrees) 24' (Minutes) 39.00" W (Seconds)

LAND SURFACE ELEVATION AT WELL: 1472.4 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: google - Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 33S
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	
6. Why was the well abandoned? Not Needed			

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483121

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	380	NR	0	380	NR				NR							
380	1468	2.97														

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
									NR			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 05 - 20 - 2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
5	375					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☐ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	442	X									2:1	36

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE Charles Johnson Drilling Manager

SIGNATURE OF QUALIFYING PARTY Charles Johnson

DATE 7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 DBD
WELL REGISTRATION NUMBER
55 - 483125

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS 1575 W. HUNT HWY	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W. Hunt Hwy.

LATITUDE: 33° (Degrees) 3' (Minutes) 0.00" N (Seconds)
LONGITUDE: 111° (Degrees) 25' (Minutes) 46.00" W (Seconds)

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SE 1/4	NW 1/4	SE 1/4

LAND SURFACE ELEVATION AT WELL: 1472.65 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

COUNTY ASSESSOR'S PARCEL ID NUMBER
BOOK | MAP | PARCEL

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☒ Other *(please specify)*: Google-Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 67S
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	
6. Why was the well abandoned?	Not Needed		

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483125

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	358	NR	0	358	NR				NR						NR	
358	1829	2.97														

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
						BENTONITE						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	SAND	GRAVEL	SIZE
									NR			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04-22-2024

Casing Treatment

DEPTH FROM SURFACE		TREATMENT TYPE (T)				
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
5	355					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE		MATERIAL TYPE (T)									MIXING RATIO by (check one) ☐ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
							HIGH SOLIDS					
FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	GROUT	CHIPS	PELLETS	SAND		
0	2											Native
2	447	X									2:1	45

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 CDA
WELL REGISTRATION NUMBER
55 - 483129

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX Ø

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W. Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0S	9.0E	28	SW 1/4	SE 1/4	NE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
200	31	020

LATITUDE: 33° (Degrees) 2' (Minutes) 54.00 N (Seconds)
LONGITUDE: 111° (Degrees) 25' (Minutes) 55.00 W (Seconds)

LAND SURFACE ELEVATION AT WELL: 1470 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: Google-Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 103MF
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	
6. Why was the well abandoned? Not Need			

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483129

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	60	7 7/8-6 1/4	0	60	5.5	X										
60	500	4 3/4	60	500	3	X										
500	2215	2.97														

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
						BENTONITE						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
									NR			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04-22-2024

Casing Treatment

DEPTH FROM SURFACE		TREATMENT TYPE (T)				
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
5	500					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE		MATERIAL TYPE (T)									MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
							HIGH SOLIDS					
FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	GROUT	CHIPS	PELLETS	SAND		
0	2											Native
2	592	X									2:1	63

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

FILE NUMBER
D(4-9) 28 CAD
WELL REGISTRATION NUMBER
55 - 483131

- Review instructions prior to completing form
- The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS ATTN: IAN REAM	TELEPHONE NUMBER (520) 374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W Hunt HWY, Florence AZ 85132

LATITUDE: 33° (Degrees) 2' (Minutes) 59.00" N (Seconds)
LONGITUDE: 111° (Degrees) 25' (Minutes) 55.06" W (Seconds)

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	S/W 1/4	NE 1/4	SE 1/4

LAND SURFACE ELEVATION AT WELL: 1473 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

COUNTY ASSESSOR'S PARCEL ID NUMBER
BOOK | MAP | PARCEL

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: Google Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 359 S
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?

Not Needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483131

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole

DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)
0	60	6.5
60	2689	5
350	2689	2.97

Existing Casing (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	60	5	X										
60	350	unknown	X										

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
									Not recorded			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDONMENT COMPLETED 04/22/2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
5	350					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☐ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	479	X									2:1	42

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
  - ☐ *Variance Option*
- ☒ Alternative 5
  - ☐ *Variance Option 1*
  - ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE: Charles Johnson Drilling Manager

SIGNATURE OF QUALIFYING PARTY: Charles Johnson

DATE: 7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

FILE NUMBER
D(4-9) 28 CBC
WELL REGISTRATION NUMBER
55 - 483134

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER (520) 374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W Hunt Hwy Florence AZ 85132

LATITUDE: 33 ° (Degrees) 2 ' (Minutes) 59.00 " N (Seconds)
LONGITUDE: 111 ° (Degrees) 26 ' (Minutes) 13.00 " W (Seconds)

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	NW 1/4	SW 1/4

LAND SURFACE ELEVATION AT WELL: 1478 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☒ Other *(please specify)*: Google Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 458 S
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483134

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	40	7.8	0	40	5.5	X										
40	876	5	0	876	3	X										

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	876								Not Recorded			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04/22/2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	860					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	810	X									2:1	59

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE: Charles Johnson Drilling Manager

SIGNATURE OF QUALIFYING PARTY: Charles Johnson

DATE: 7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

FILE NUMBER
D(4-9) 28 CCA
WELL REGISTRATION NUMBER
55 - 483133

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W. Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	SW 1/4	NE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
200	31	020

LATITUDE: 33° (Degrees) 2' (Minutes) 55.00" N (Seconds)
LONGITUDE: 111° (Degrees) 26 (Minutes) 10.00" W (Seconds)

LAND SURFACE ELEVATION AT WELL: 1469 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: Google - Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 464 MF
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not Needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483133

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (Inches)
0	56	7.8	0	60	5	X										
56	594	5	0	594	3	X										

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
									NR			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04-22-2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	594					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	594	X									2:1	61

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE: Charles Johnson Drilling Manager

SIGNATURE OF QUALIFYING PARTY: Charles Johnson

DATE: 7/10/24

Arizona Department [illegible] **rces**
Groundwater Permitting
1802 W Jackson • Phoen[illegible] 85007
(602) 771-8527 • 1-800-3[illegible]

Well Abandonment Completion Report

FILE NUMBER
D(4-9) 28 CCA
WELL REGISTRATION NUMBER
55 - 483128

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W. Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	SW 1/4	NE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
200	31	020

LATITUDE			LONGITUDE		
33 ° Degrees	2 ' Minutes	53.00 " N Seconds	111 ° Degrees	26 ' Minutes	5.00 " W Seconds

LAND SURFACE ELEVATION AT WELL: 1469.53 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: Google - Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 467 MF
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?

Not needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483128

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	55	7 7/8	0	55	6	X										
55	370	5	0	370					NR						NR	

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	370								NR			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04-22-2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	370					Blast Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	373	X									2:1	33

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE: Charles Johnson Drilling Manager

SIGNATURE OF QUALIFYING PARTY: Charles Johnson

DATE: 7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 CBB
WELL REGISTRATION NUMBER
55 - 483120

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS 1575 W. HUNT HWY	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY): 1575 W. Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	NW 1/4	NW 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL

LATITUDE: 33° (Degrees) 3' (Minutes) 4.00" N (Seconds)
LONGITUDE: 111° (Degrees) 26' (Minutes) 13.00 W (Seconds)

LAND SURFACE ELEVATION AT WELL: 1470 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: Google - Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE Mcc 521
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not Needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483120

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	NR	unknown							None removed							
NR	1600	2.97														

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	20			X								

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 05-03-2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Unknown
2	1056	X									2:1	51

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
  - ☐ *Variance Option*
- ☒ Alternative 5
  - ☐ *Variance Option 1*
  - ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 CCA
WELL REGISTRATION NUMBER
55 - 549160

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL CURIS RESOURCES (ARIZONA) INC.	CONTACT PERSON NAME AND TITLE Ian Beam
MAILING ADDRESS 1575 WEST HUNT HIGHWAY	TELEPHONE NUMBER (520) 374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W Hunt Hwy, Florence, AZ 85132

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	SW 1/4	NE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
200	31	020

LATITUDE			LONGITUDE		
33 ° Degrees	3 ' Minutes	54.00 " N Seconds	111 ° Degrees	26 ' Minutes	9.00 " W Seconds

LAND SURFACE ELEVATION AT WELL
1468 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☒ Other *(please specify)*: Google Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE 015-0
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 549160

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	20	16	0	20	4.5	X				X						
20	1330	9.875	0	632	4.5		X			X						
			632	1295	4.5		X							X	Blank Casing 1295-1317	0.080

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	20				X							
20	570					X				X		
570	1330								#30 Sand from 570-580	X		#6-9

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04-22-2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	632					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	1021	X									2:1	270
1021	1315									X		
								Fine Transition				

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

FILE NUMBER
D(4-9) 28 DBC
WELL REGISTRATION NUMBER
55 - 483118

- Review instructions prior to completing form
- The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER (520) 374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W Hunt Hwy, Florence Az 85132

LATITUDE			LONGITUDE		
33°	3'	1.00" N	111°	25'	45.00" W
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0S	9.0E	28	SE 1/4	NW 1/4	SW 1/4

LAND SURFACE ELEVATION AT WELL
1472 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☒ Other *(please specify)*: Google Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE OB2-1
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483118

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	640	NR	0	400	4	X				X						
			400	620	4	X								X		
			620	640	4	X				X						

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
						BENTONITE						
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	SAND	GRAVEL	SIZE
									NO record			

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04/22/2024

Casing Treatment

DEPTH FROM SURFACE		TREATMENT TYPE (T)				
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	400					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE		MATERIAL TYPE (T)									MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
							HIGH SOLIDS					
FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	GROUT	CHIPS	PELLETS	SAND		
0	2											Native
2	631										2:1	191

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

❖ Review instructions prior to completing form
❖ The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(4-9) 28 CCA
WELL REGISTRATION NUMBER
55 - 549158

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER 520-374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W. Hunt Hwy.

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0 S	9.0 E	28	SW 1/4	SW 1/4	NE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
200	31	020

LATITUDE			LONGITUDE		
33° Degrees	2' Minutes	54.00" N Seconds	111° Degrees	26' Minutes	8.00" W Seconds

LAND SURFACE ELEVATION AT WELL
1468 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held ☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) ☐ NAD-83 ☒ Other *(please specify)*: Google-Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE P15-O
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not Needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 549158

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing (to the best of your knowledge): DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	20	16	0	20	14	X				X						
20	1380	10.6	0	580	6.6		X			X						
			580	1300	6.6		X							X	Blank 1300-1321	0.080

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	20				X							
20	530					X						
530	1380								#30 Sand from 530-540	X		#6-9

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Hanbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04-22-2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	580					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											Native
2	1292	X									2:1	347

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE: Charles Johnson Drilling Manager

SIGNATURE OF QUALIFYING PARTY: Charles Johnson

DATE: 7/10/24

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

FILE NUMBER
D(4-9) 28 CAA
WELL REGISTRATION NUMBER
55 - 483117

- Review instructions prior to completing form
- The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:		
	NAME ACS SERVICES, LLC	DWR LICENSE NUMBER 854
	ADDRESS 2235 W. BROADWAY ROAD	TELEPHONE NUMBER 480-968-0190
	CITY / STATE / ZIP MESA, AZ 85202	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL FLORENCE COPPER INC	CONTACT PERSON NAME AND TITLE Ian Ream
MAILING ADDRESS C/O IAN REAM	TELEPHONE NUMBER (520) 374-3984
CITY / STATE / ZIP FLORENCE, AZ 85132	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)
1575 W Hunt Hwy, Florence, AZ 85132

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
4.0S	9.0E	28	SW 1/4	SE 1/4	NE 1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
200	31	200

LATITUDE			LONGITUDE		
33 ° Degrees	2 ' Minutes	54.00 " N Seconds	111 ° Degrees	25 ' Minutes	54.00 " W Seconds

LAND SURFACE ELEVATION AT WELL
1467 Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☒ *GPS: Hand-Held
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☒ Other *(please specify)*: Google Earth

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?		X	IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE PW7-1
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☒ No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	

6. Why was the well abandoned?
Not Needed

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483117

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	TO (feet)	BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	TO (feet)	OUTER DIAMETER (inches)	MATERIAL TYPE (T): STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (T): BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)
0	20	NR	0	20	12	X				X						
20	900	9 7/8	0	548	6		X			X						
			548	900	6		X							X		

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE FROM (feet)	TO (feet)	ANNULAR MATERIAL TYPE (T): NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	CHIPS	PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	FILTER PACK: SAND	GRAVEL	SIZE
0	20			X								
20	550				X					X		
550	900								#30 from 550-555	X		#12

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED 04/22/2024

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	TO (feet)	TREATMENT TYPE (T): SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED
0	5				X	
10	550					Blast
						Perforate

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	TO (feet)	MATERIAL TYPE (T): NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☒ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
0	2											None
2	884	X									2:1	233

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
- ☐ *Variance Option*
- ☒ Alternative 5
- ☐ *Variance Option 1*
- ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☒ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE
Charles Johnson Drilling Manager	Charles Johnson	7/10/24

RGC
Hydro Services

Attachment 4

USEPA Plugging and Abandonment Reports for Q2 Well and Corehole Abandonments

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		6S

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

NE 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

Latitude 33 3' 02"

Longitude 111 25' 29"

457 ft. from (N/S) S Line of quarter section

459 ft. from (E/W) W Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 5/5/2024	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 6S had fill to the surface, there is no record of casing and there was no casing observed at or near surface.
ACS services set up a mud rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 460 feet below land surface using a 2 7/8 inch tricone drilling bit. No evidence of casing was encountered during drilling/cleanout activities.

Tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 460 feet to land surface.
After cement returns were observed at surface, the grout was allowed to settle overnight and the grout was topped off to 2 feet below land surface.
The excavation was backfilled from 2 feet to land surface with native fill.

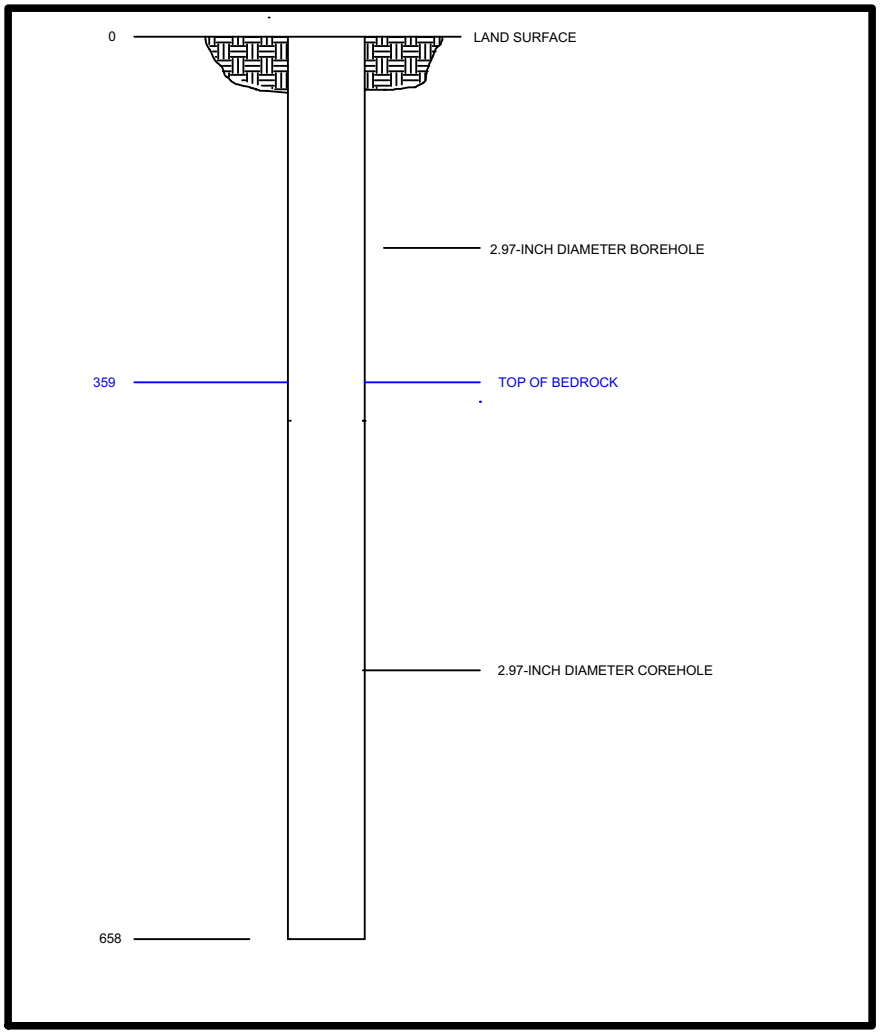
A total of 33 cubic feet of Type V neat cement grout was installed, the calculated volume was 22 cubic feet.

Certification

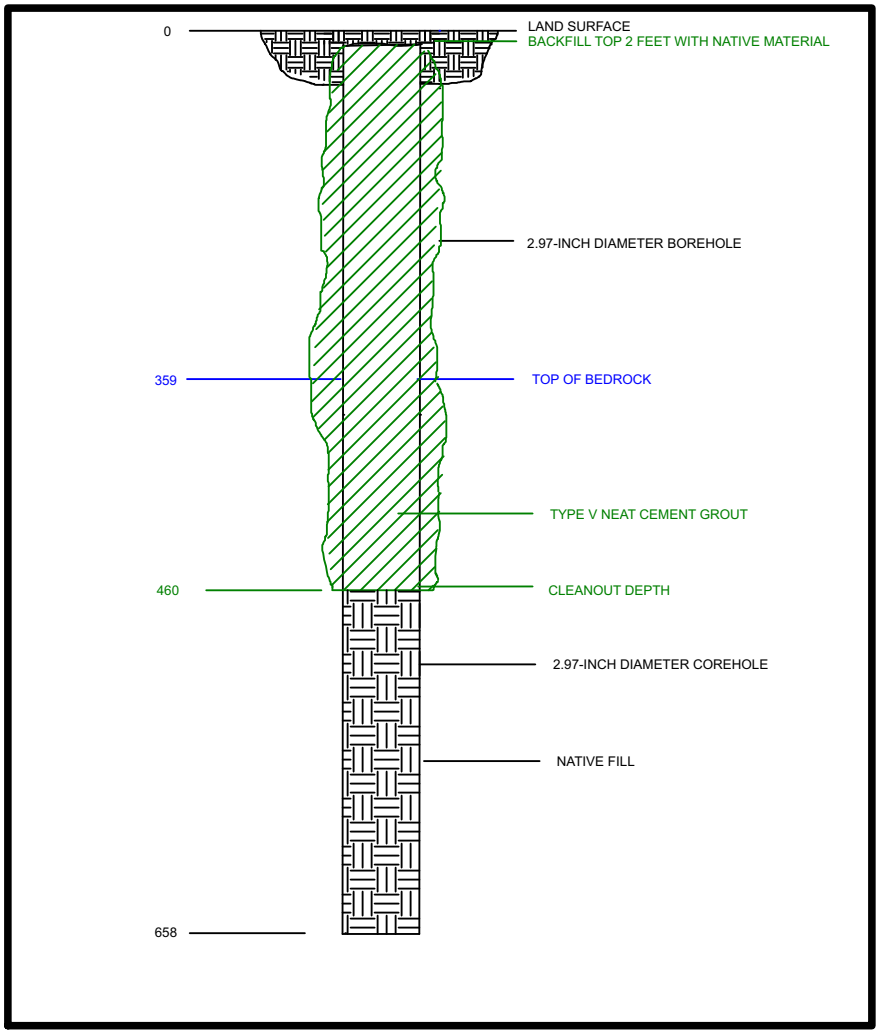
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483123
CADASTRAL LOCATION: D(4-9)28DAB

Florence Copper

RGC Hydro Services

COREHOLE 6S
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		18S

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 2' 59"

Longitude: 111 25' 52"

Surface Location

NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

118 ft. from (N/S) S Line of quarter section

208 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence: February 2024 ☑ Report After Work Date Work Ended: 5/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 18S was tagged to a depth of 8 feet, ACS services set up a mud rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 470 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 5-400 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 470 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

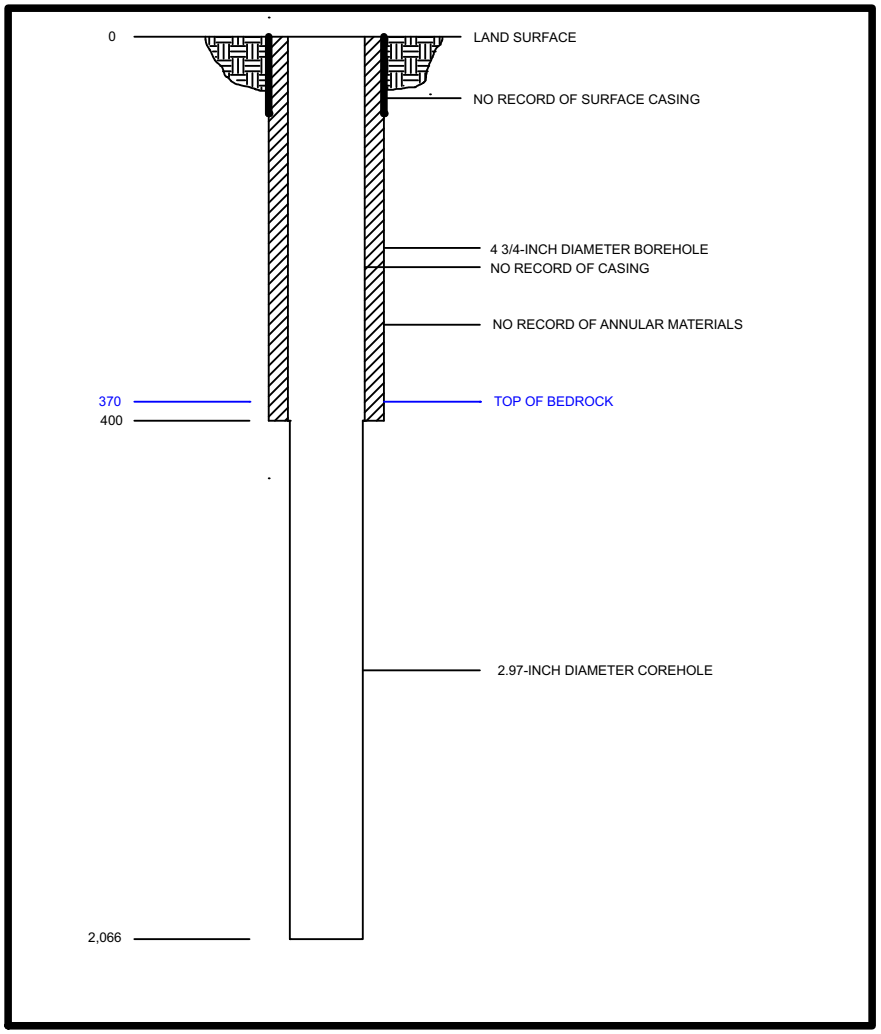
A total of 90 cubic feet of Type V neat cement grout was installed, the calculated volume was 23 cubic feet.

Certification

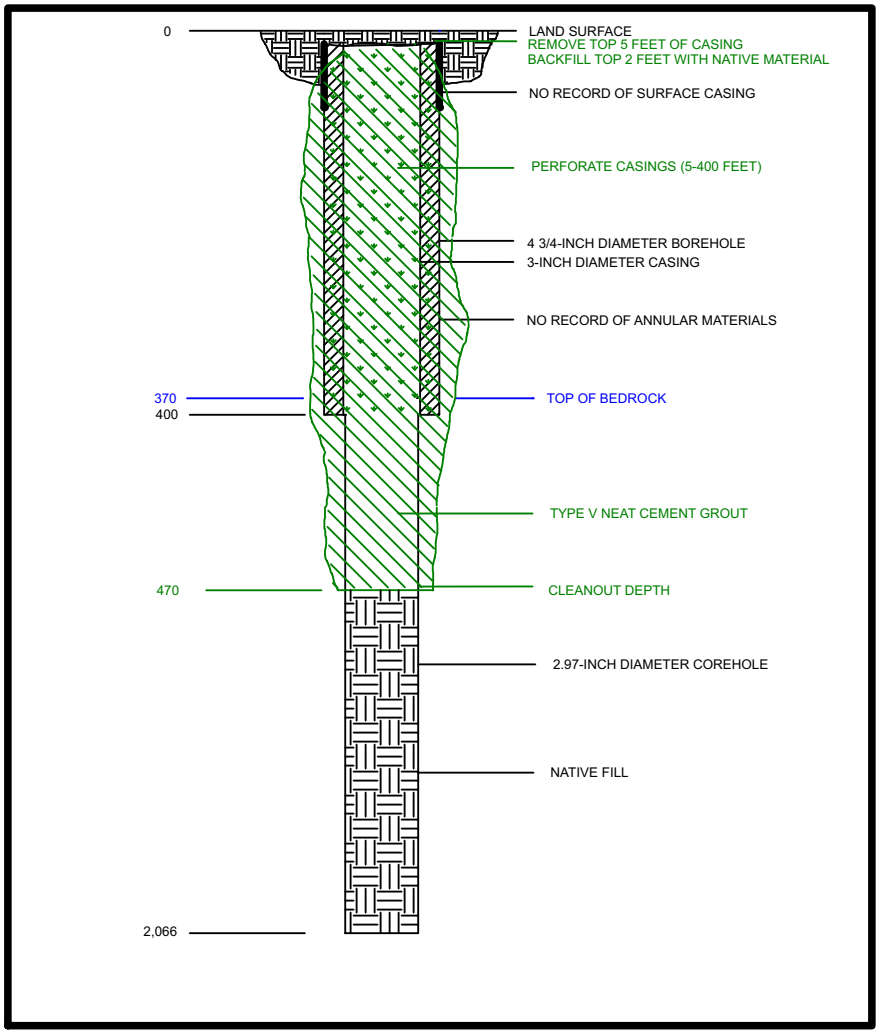
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483135
CADASTRAL LOCATION: D(4-9)28CAD

Florence Copper

RGC Hydro Services

COREHOLE 18S
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		33S

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 3' 03"

Longitude: 111 24' 39"

Surface Location

NW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

467 ft. from (N/S) S Line of quarter section

335 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 5/20/20204	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 33S had fill to the surface, ACS services set up a mud rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 442 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 5-375 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 442 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

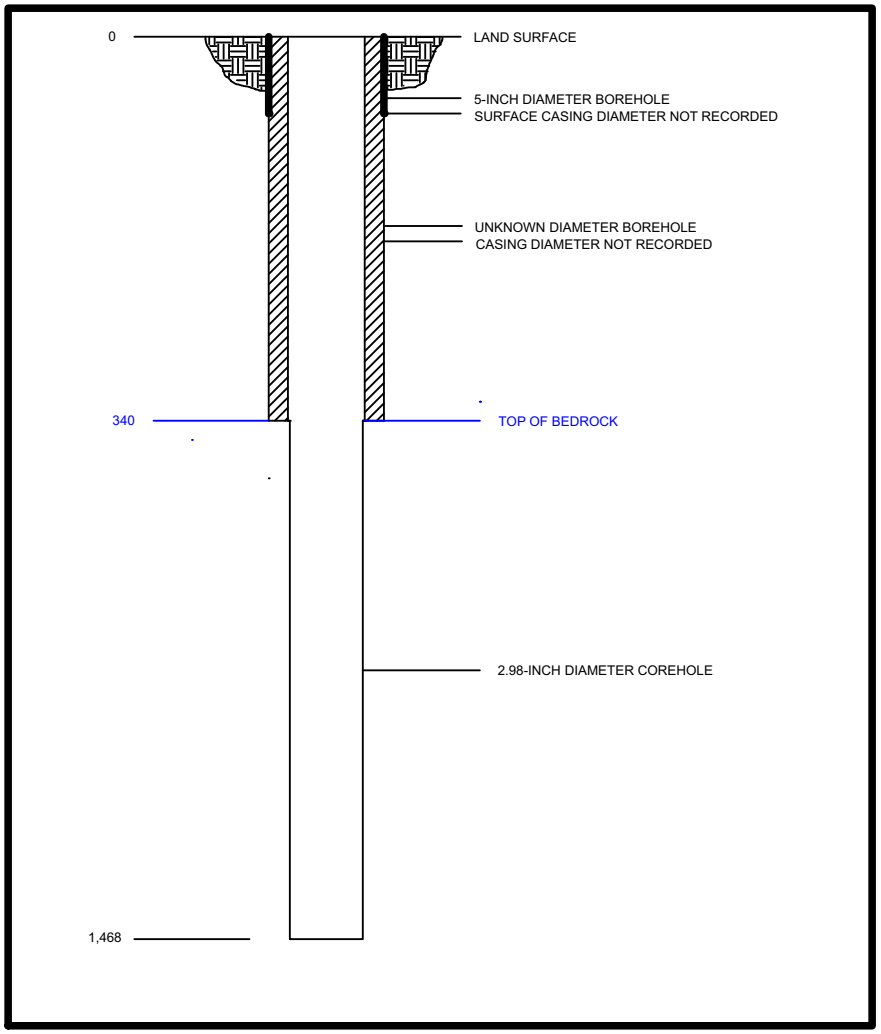
A total of 36 cubic feet of Type V neat cement grout was installed, the calculated volume was 22 cubic feet.

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

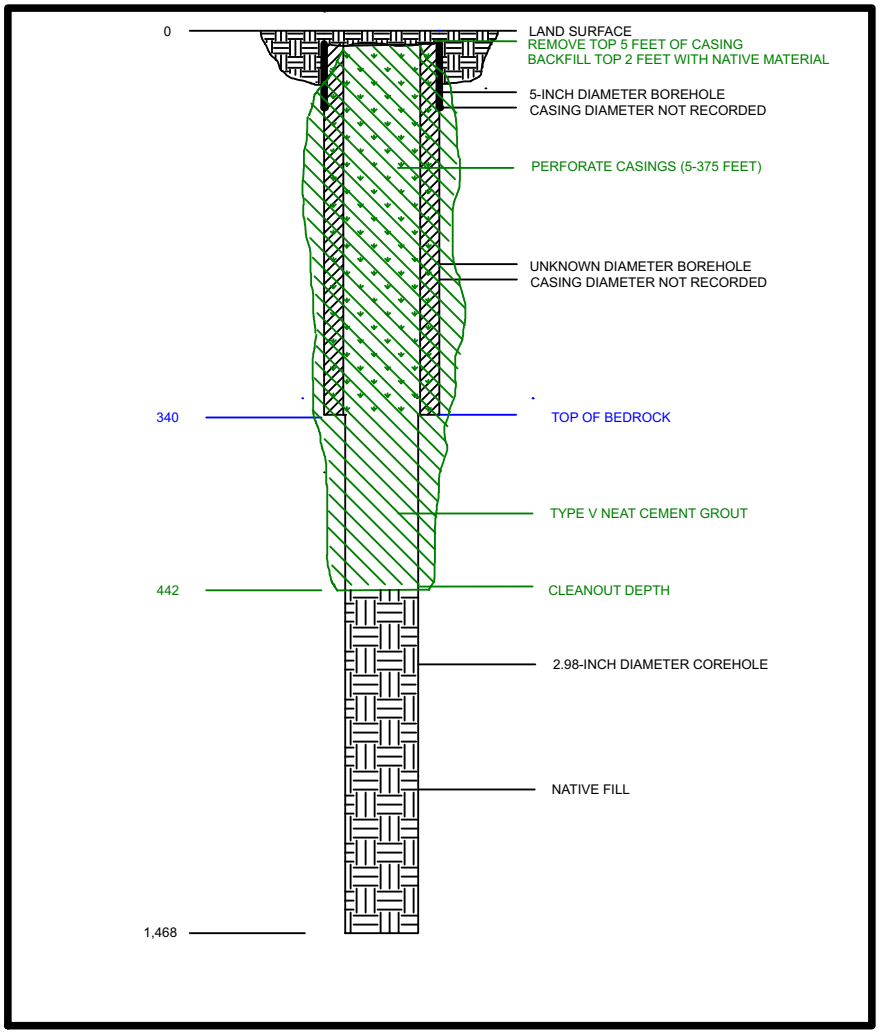
Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

ABANDONMENT DIAGRAM



WELL REGISTRY ID: 55-483121
CADASTRAL LOCATION: D(4-9)28DBD

Florence Copper

RGC
Hydro Services

COREHOLE 33S
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		67S

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 3' 00"

Longitude: 111 25' 46"

Surface Location

NW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

225 ft. from (N/S) S Line of quarter section

293 ft. from (E/W) W Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence ☑ Report After Work Date Work Ended 4/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 67S was tagged to a depth of 44 feet, ACS services set up an air rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 447 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 5-355 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 447 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

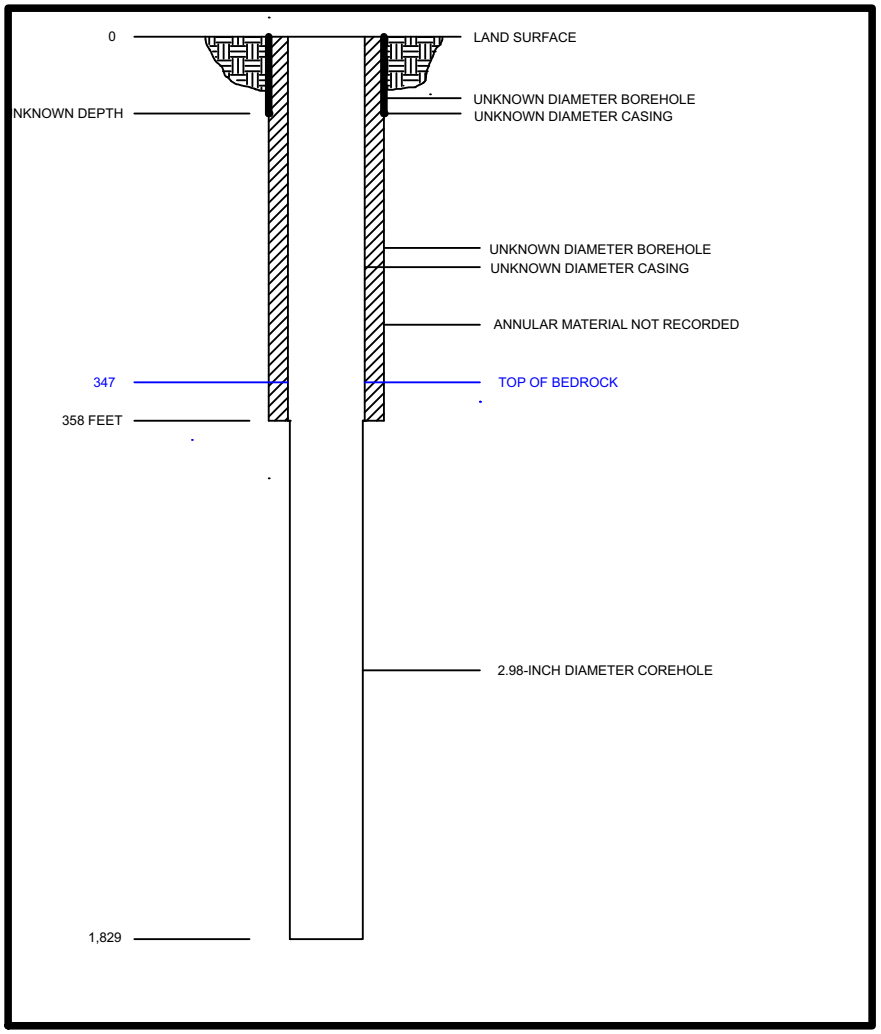
A total of 45 cubic feet of Type V neat cement grout was installed, the calculated volume was 22 cubic feet.

Certification

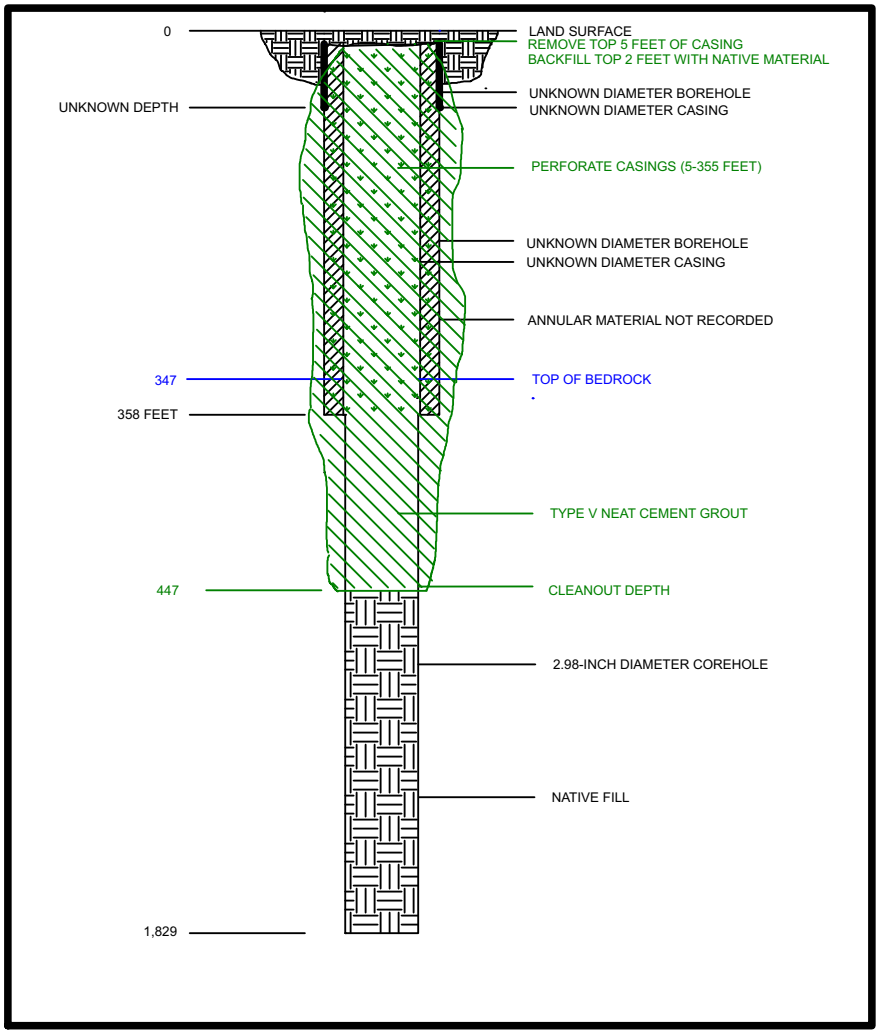
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483125
CADASTRAL LOCATION: D(4-9)28DBD

Florence Copper

RGC Hydro Services

COREHOLE 67S
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		103MF

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

SE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

386 ft. from (N/S) N Line of quarter section

455 ft. from (E/W) E Line of quarter section.

Latitude 33 2' 54"

Longitude 111 25' 55"

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence ☑ Report After Work Date Work Ended 4/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 103MF was tagged to a depth of 501 feet, ACS services set up an air rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 592 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 5-500 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 592 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

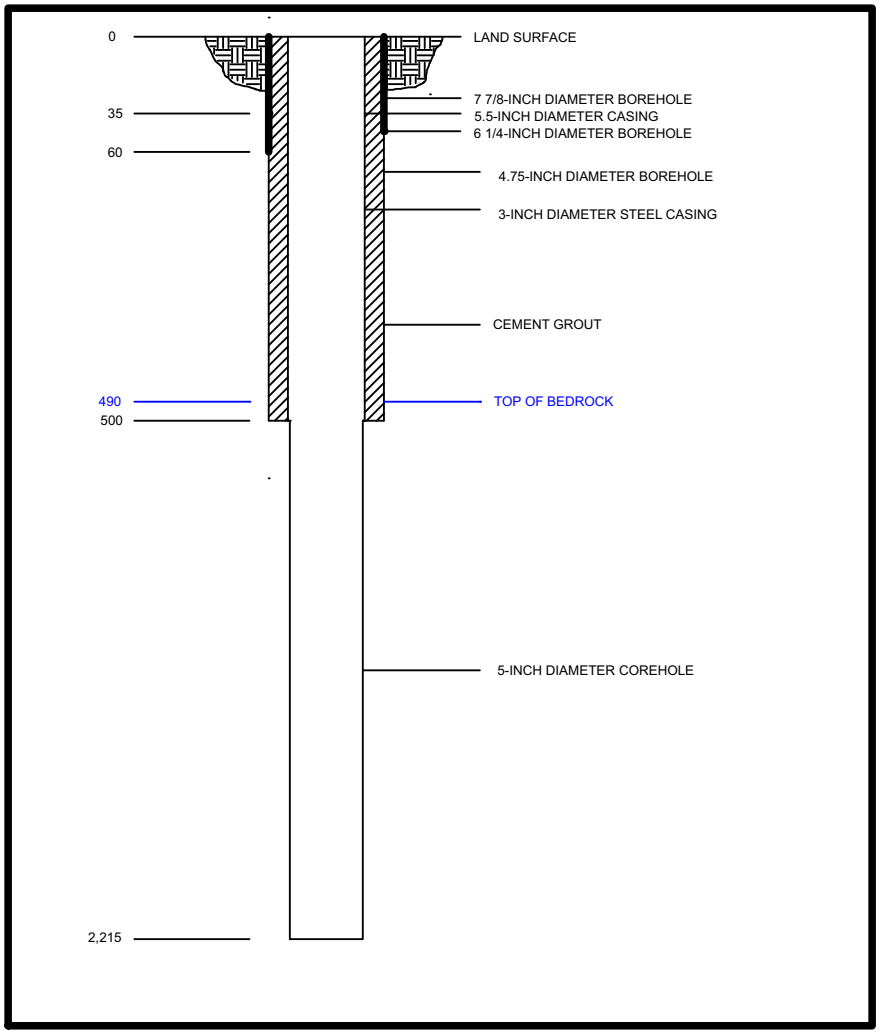
A total of 63 cubic feet of Type V neat cement grout was installed, the calculated volume was 29 cubic feet.

Certification

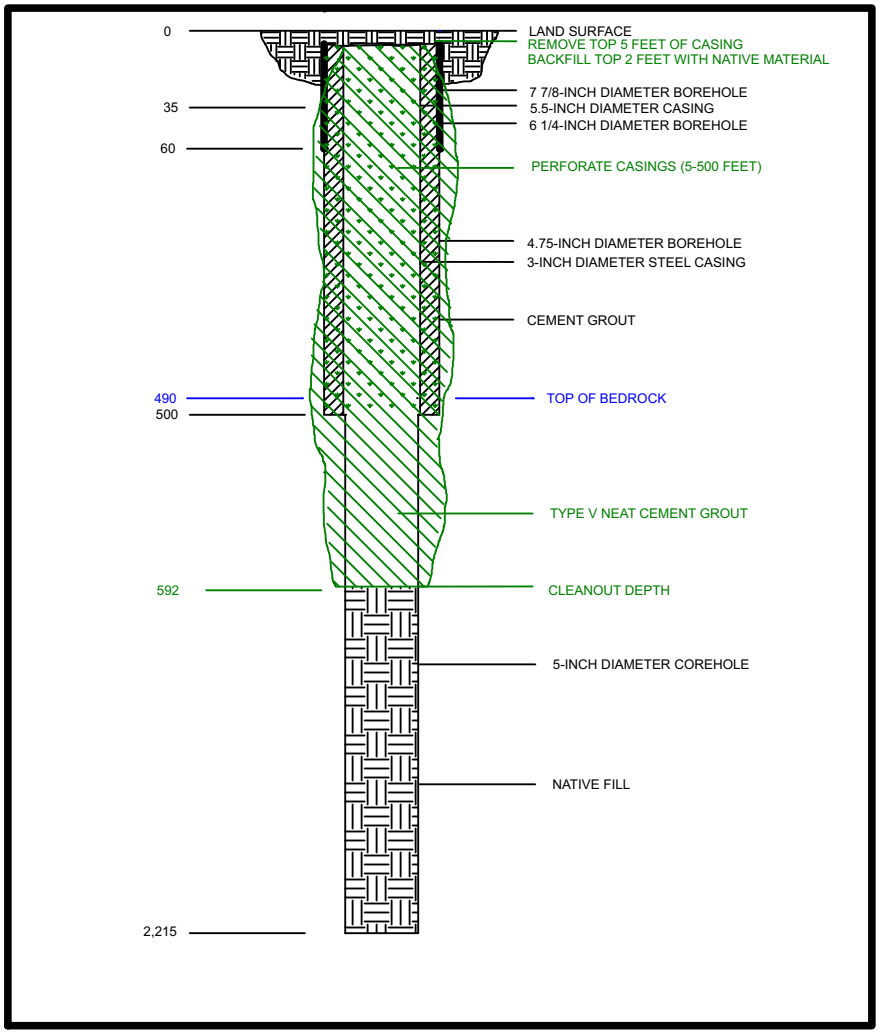
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

EXISTING COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483129
CADASTRAL LOCATION: D(4-9)28BDCA

Florence Copper

RGC Hydro Services

COREHOLE 103MF
ABANDONMENT DESIGN
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		359S

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 2' 59"

Longitude: 111 25' 55"

Surface Location

NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

123 ft. from (N/S) S Line of quarter section

456 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 4/22/2024	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 359S had fill to the surface, ACS services set up an air rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 479 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 5-350 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 479 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

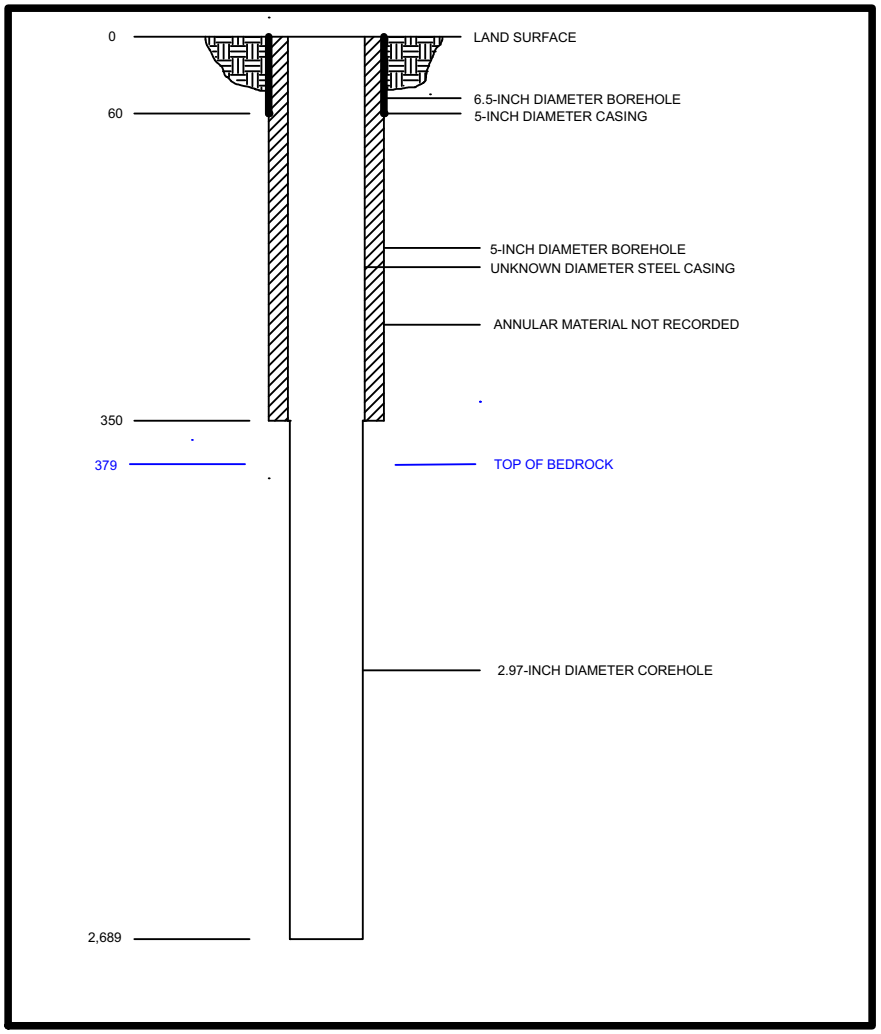
A total of 42 cubic feet of Type V neat cement grout was installed, the calculated volume was 23 cubic feet.

Certification

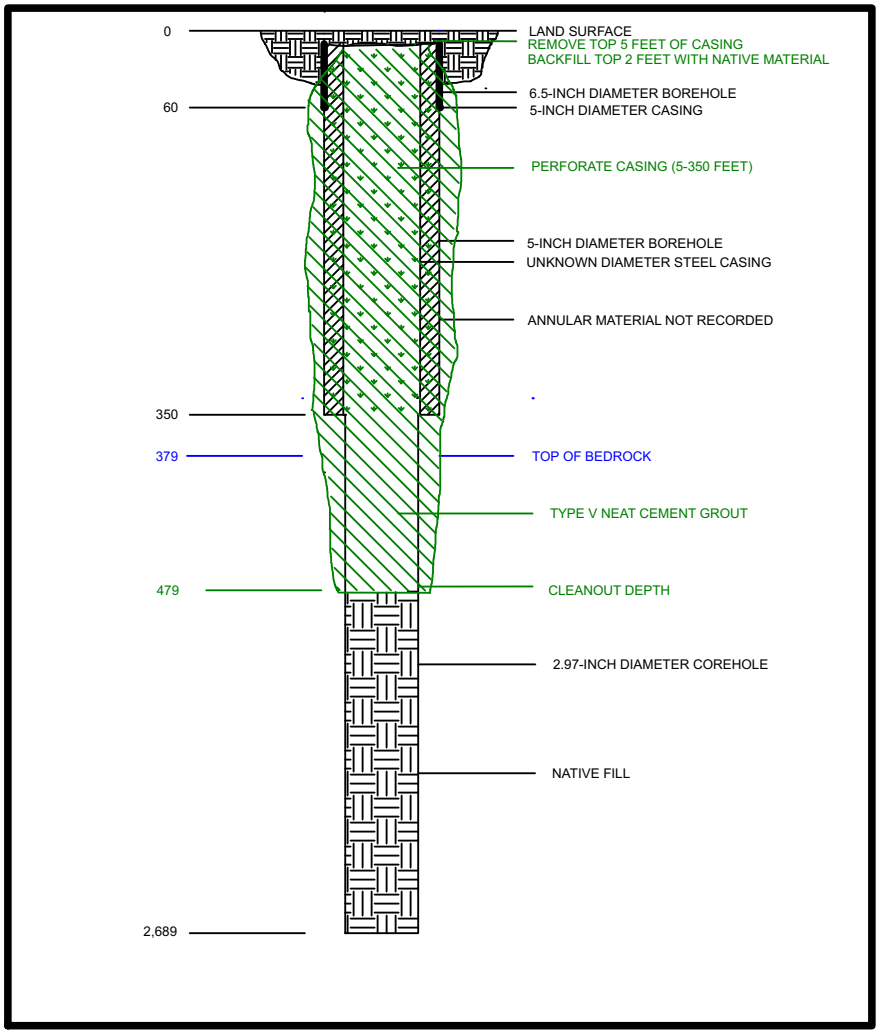
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483131
CADASTRAL LOCATION: D(4-9)28CAD

Florence Copper

RGC Hydro Services

COREHOLE 359S
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		458S

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 2' 59"

Longitude: 111 26' 13"

Surface Location

NW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

129 ft. from (N/S) S Line of quarter section

633 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 4/22/2024	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 458S was tagged to a depth of 436 feet, ACS services set up an air rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 870 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 10-860 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 870 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

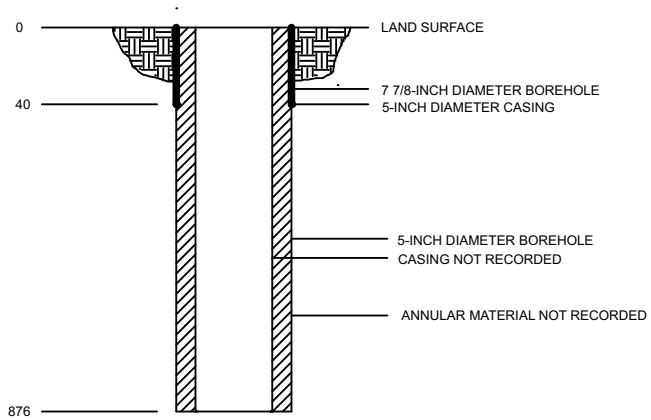
A total of 59 cubic feet of Type V neat cement grout was installed, the calculated volume was 43 cubic feet.

Certification

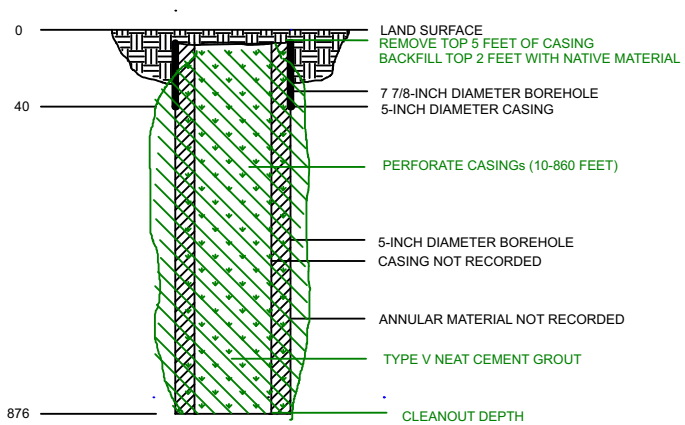
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483134
CADASTRAL LOCATION: D(4-9)28CBC

Florence Copper

RGC Hydro Services

COREHOLE 458S
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		464MF

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 2' 55"

Longitude: 111 26' 10"

Surface Location

SW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

303 ft. from (N/S) N Line of quarter section

395 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence ☑ Report After Work Date Work Ended 4/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 464MF was tagged to a depth of 37 feet, ACS services set up an air rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 594 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 10-594 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 594 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

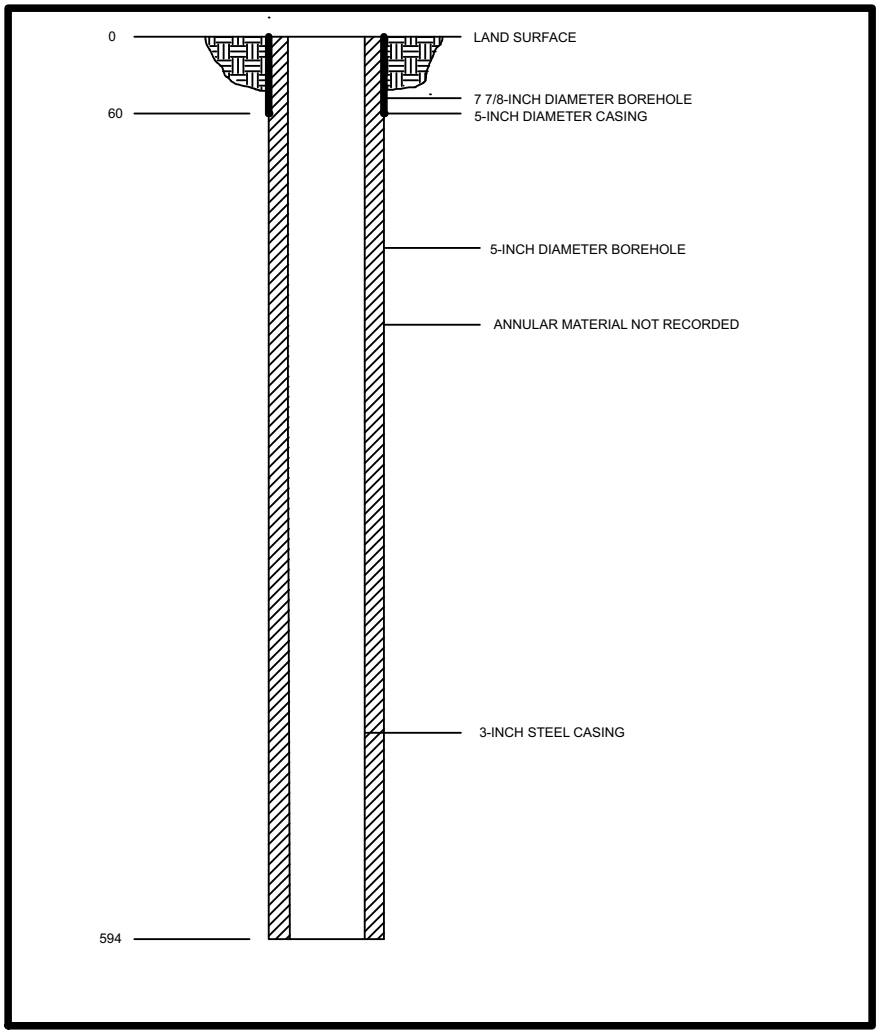
A total of 61 cubic feet of Type V neat cement grout was installed, the calculated volume was 29 cubic feet.

Certification

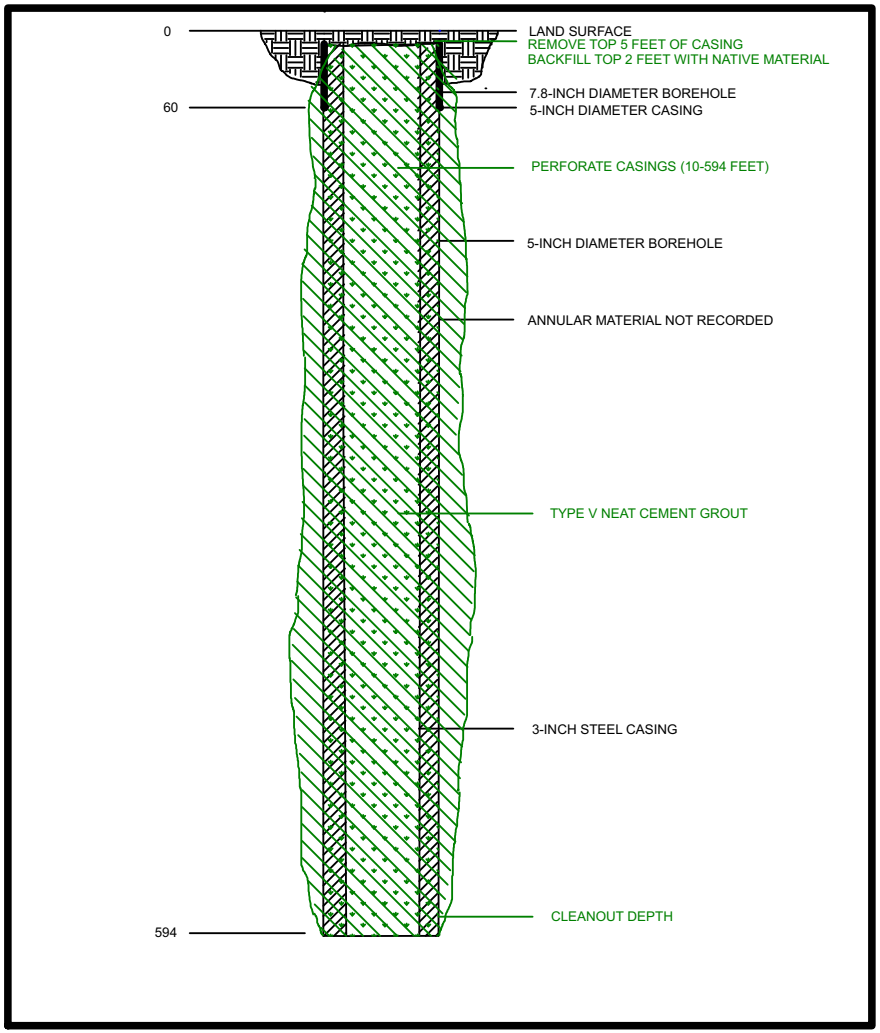
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483133
CADASTRAL LOCATION: D(4-9)28CCA

Florence Copper

RGC Hydro Services

COREHOLE 464MF
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		467MF

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

SW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

Latitude 33 2' 53"

Longitude 111 26' 05"

519 ft. from (N/S) N Line of quarter section

15 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence ☑ Report After Work Date Work Ended 4/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole 467MF had fill to surface, ACS services set up an air rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 373 feet below land surface using a 2 7/8 inch tricone drilling bit.

Detonation cord (100 grain) was installed in the corehole from 10-370 feet, tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 373 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 5 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

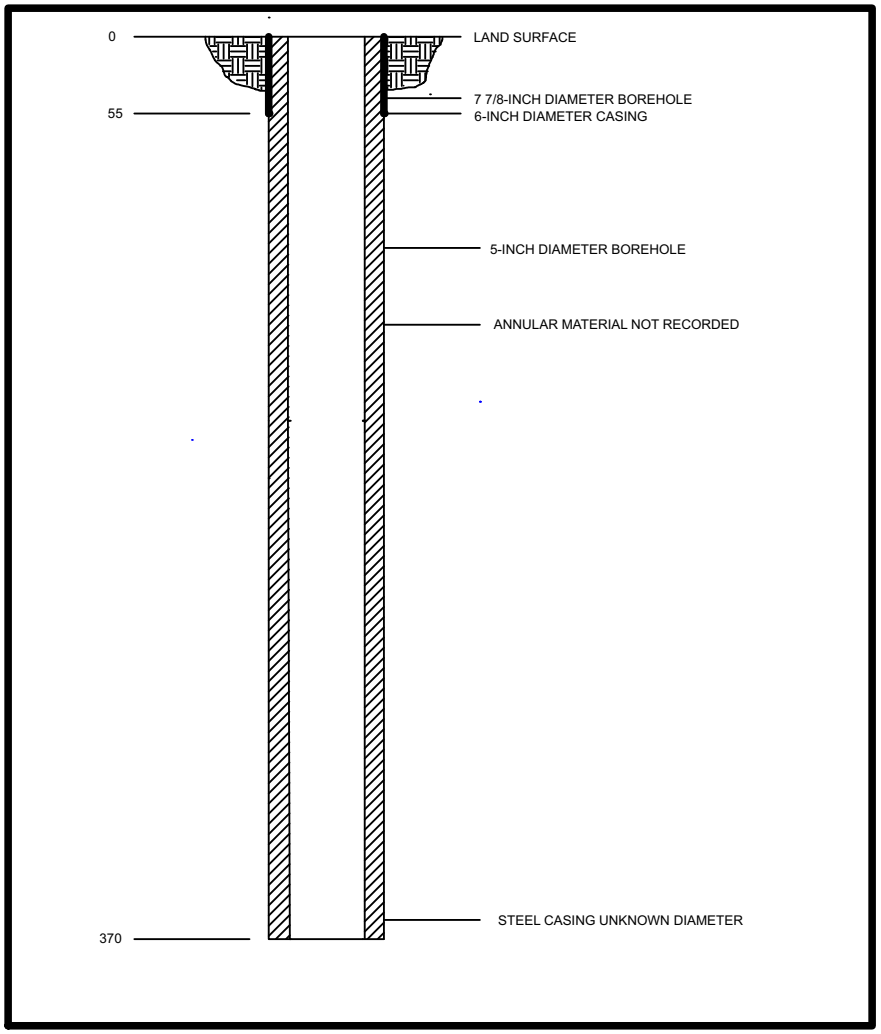
A total of 33 cubic feet of Type V neat cement grout was installed, the calculated volume was 18 cubic feet.

Certification

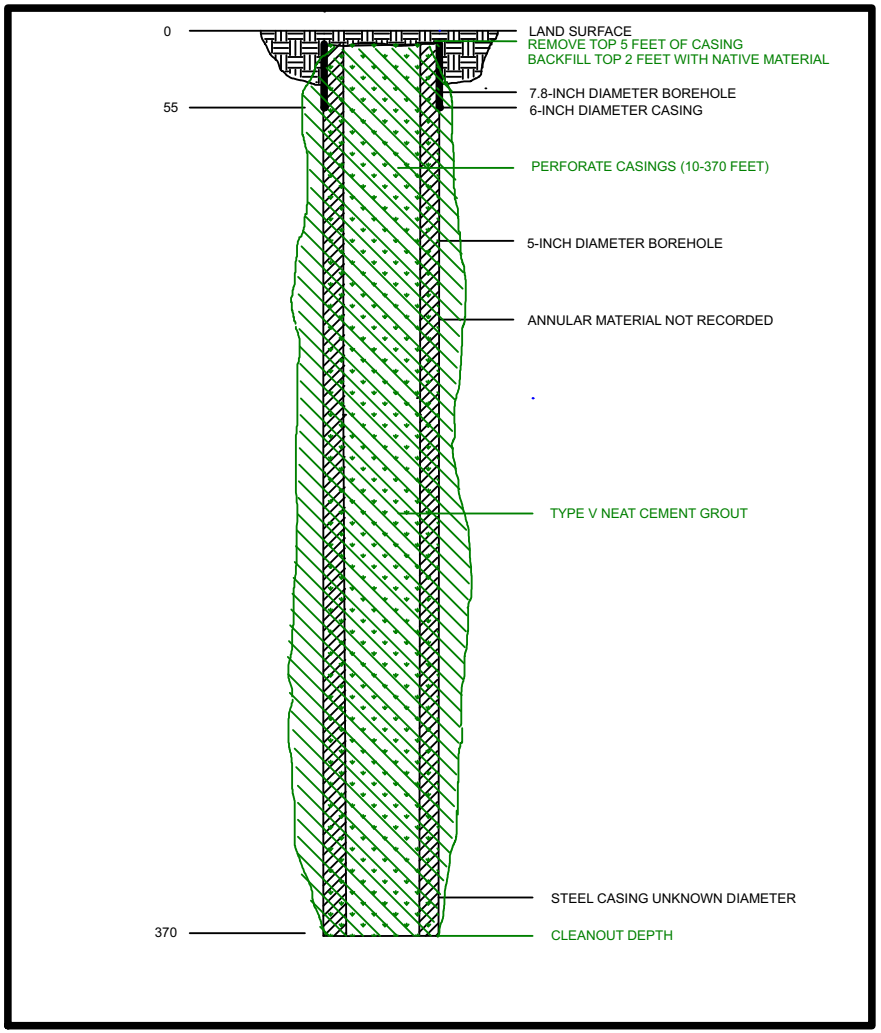
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DESIGN



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: NOT REGISTERED
CADASTRAL LOCATION: D(4-9)28CCA

Florence Copper

RGC Hydro Services

COREHOLE 467MF
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		MCC521

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 3' 04"

Longitude: 111 26' 13"

Surface Location

NW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

644 ft. from (N/S) N Line of quarter section

611 ft. from (E/W) W Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 5/3/2024	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Corehole MCC-521 had fill to the surface, the corehole record indicated that all casing had been removed and it had previously been abandoned with fill up to 20 feet below land surface and then neat cement from 0-20 feet bls. Because the corehole had not been sealed with cement, the corheole was cleaned out to be abandoned per the permit conditions. ACS Services set up a mud rotary driling rig on the corehole and cleaned out the corehole to the cleanout depth of 1,056 feet below land surface using a 2 7/8 inch tricone drilling bit.

Tremie was installed to within 30 feet of the bottom of the corehole, and Type V neat cement was installed from 1,056 feet to land surface. After cement returns were observed at surface, the grout was allowed to settle overnight and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

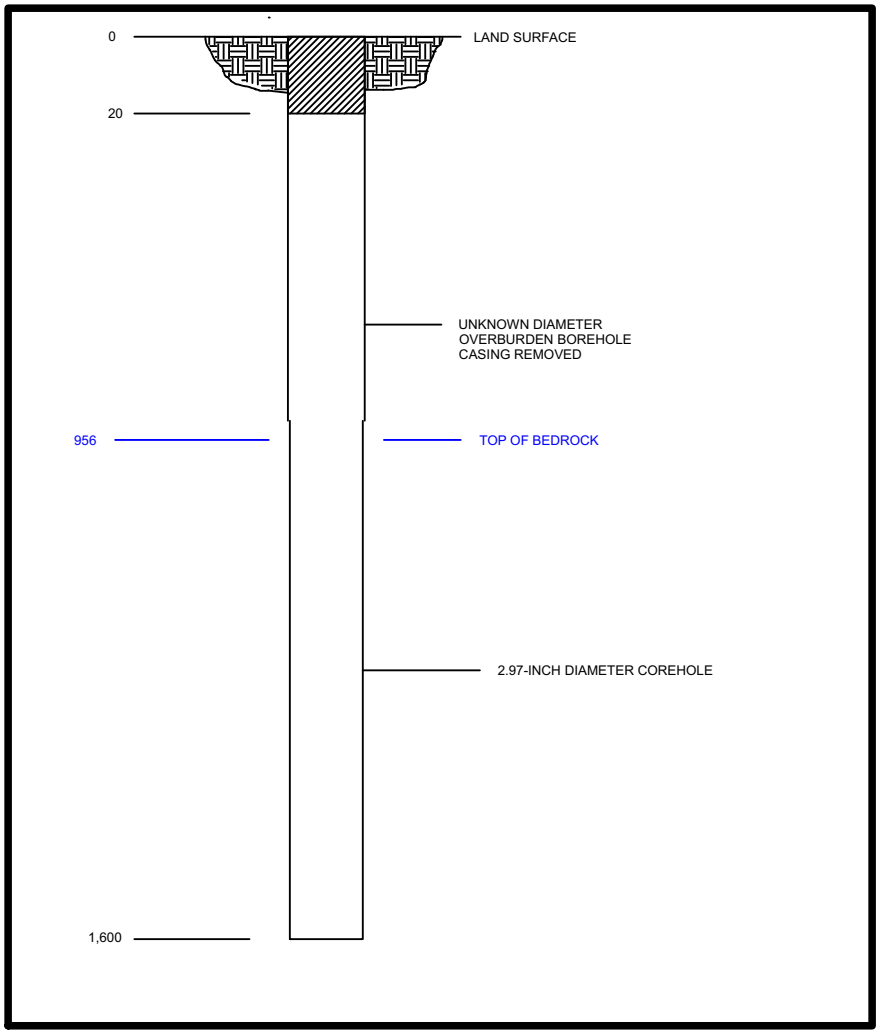
A total of 51 cubic feet of Type V neat cement grout was installed, the calculated volume was 51 cubic feet.

Certification

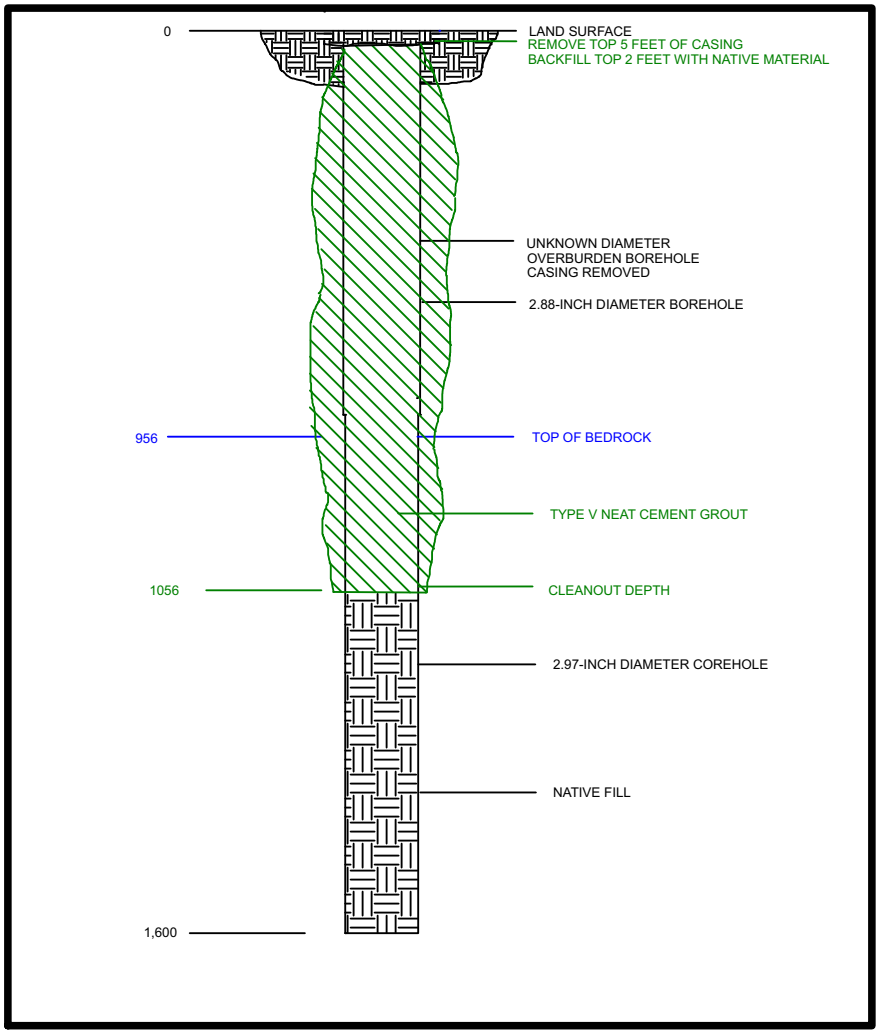
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

COREHOLE SCHEMATIC



ABANDONMENT DESIGN



NOTE:
DRAWING NOT TO SCALE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483120
CADASTRAL LOCATION: D(4-9)28CBB

Florence Copper

RGC Hydro Services

COREHOLE MCC521
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		O15-O

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

NW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

Latitude 33 2' 54"

Longitude 111 26' 09"

380 ft. from (N/S) N Line of quarter section

334 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence ☑ Report After Work Date Work Ended 4/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Well O15-O was tagged to a depth of 1,330 feet, so no cleanout was necessary. Prior to abandonment, fine sand was backfilled in the bottom of the well to 1,021 feet, within the oxide unit. This was done because there was not enough tremie pipe available to get to the total depth of the well at the time of abandonment.

Detonation cord (100 grain) was installed in the corehole from 10-632 feet, tremie was installed to within 30 feet of the top of the fine sand, and Type V neat cement was installed from 1,021 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 2 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

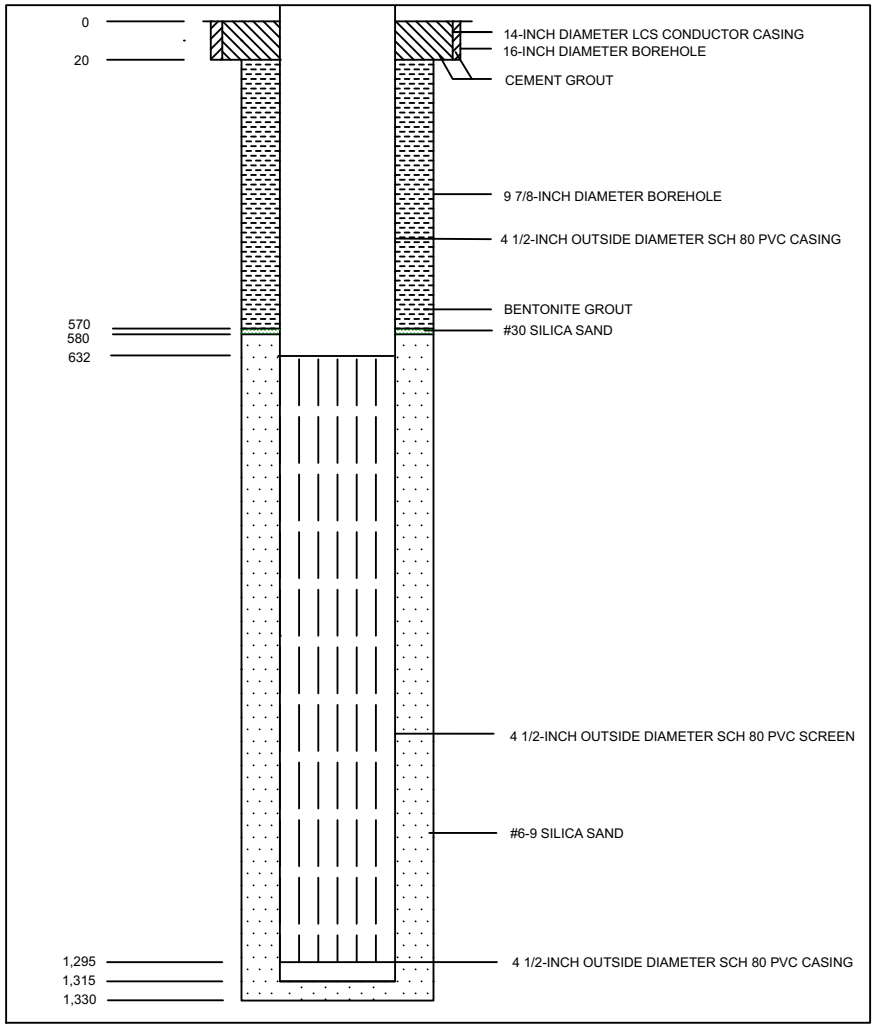
A total of 270 cubic feet of Type V neat cement grout was installed, the calculated volume was 80 cubic feet.

Certification

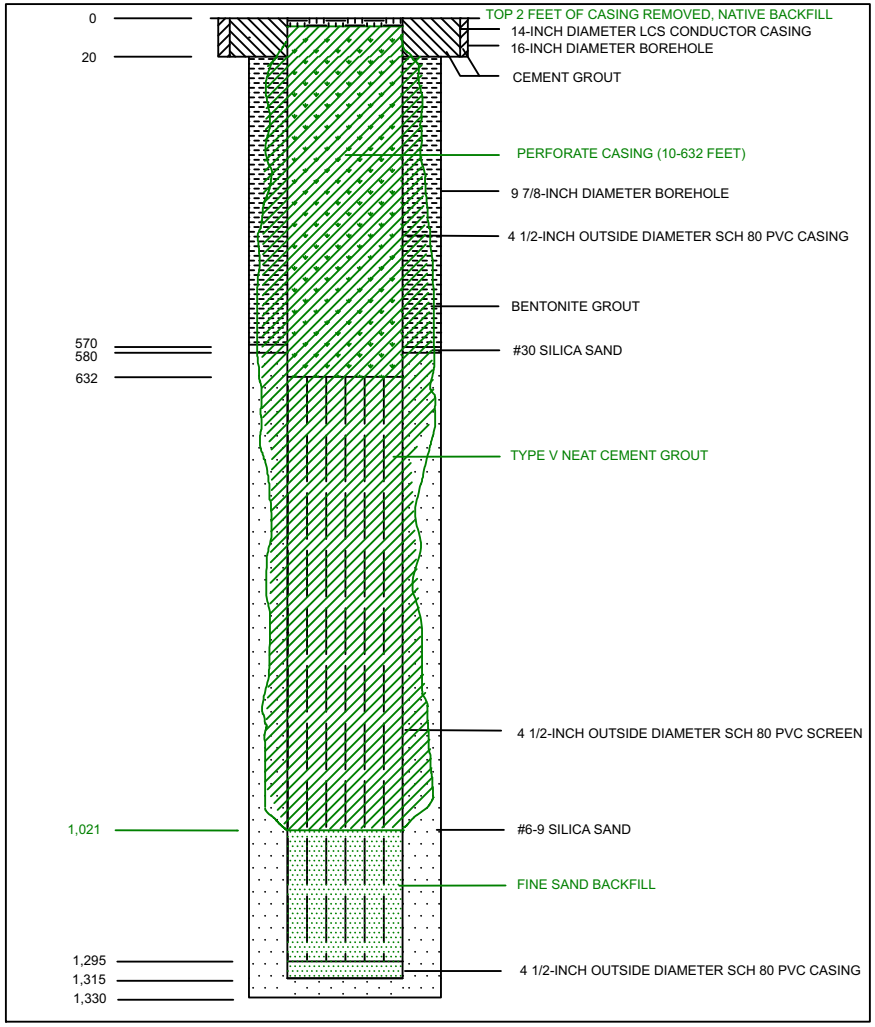
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

EXISTING WELL



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
PVC = POLYVINYL CHLORIDE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-549160
CADASTRAL LOCATION: D(4-9)28CCA

Florence Copper

RGC Hydro Services

WELL O15-O
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		OB2-1

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

NW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

348 ft. from (N/S) S Line of quarter section

414 ft. from (E/W) W Line of quarter section.

Latitude 33 3' 01"

Longitude 111 25' 45"

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I ☐ Class II ☑ Class III ☐ Class V	☐ Notice Prior to Work Date Expected to Commence ☑ Report After Work Date Work Ended 4/22/2024	☐ Well Rework ☑ Plugging and Abandonment ☐ Conversion to a Non-Injection Well

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Well OB2-1 was tagged to a depth of 631 feet, so no cleanout was necessary.

Detonation cord (100 grain) was installed in the corehole from 10-400 feet, tremie was installed to within 30 feet of the bottom of the well, and Type V neat cement was installed from 631 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 2 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

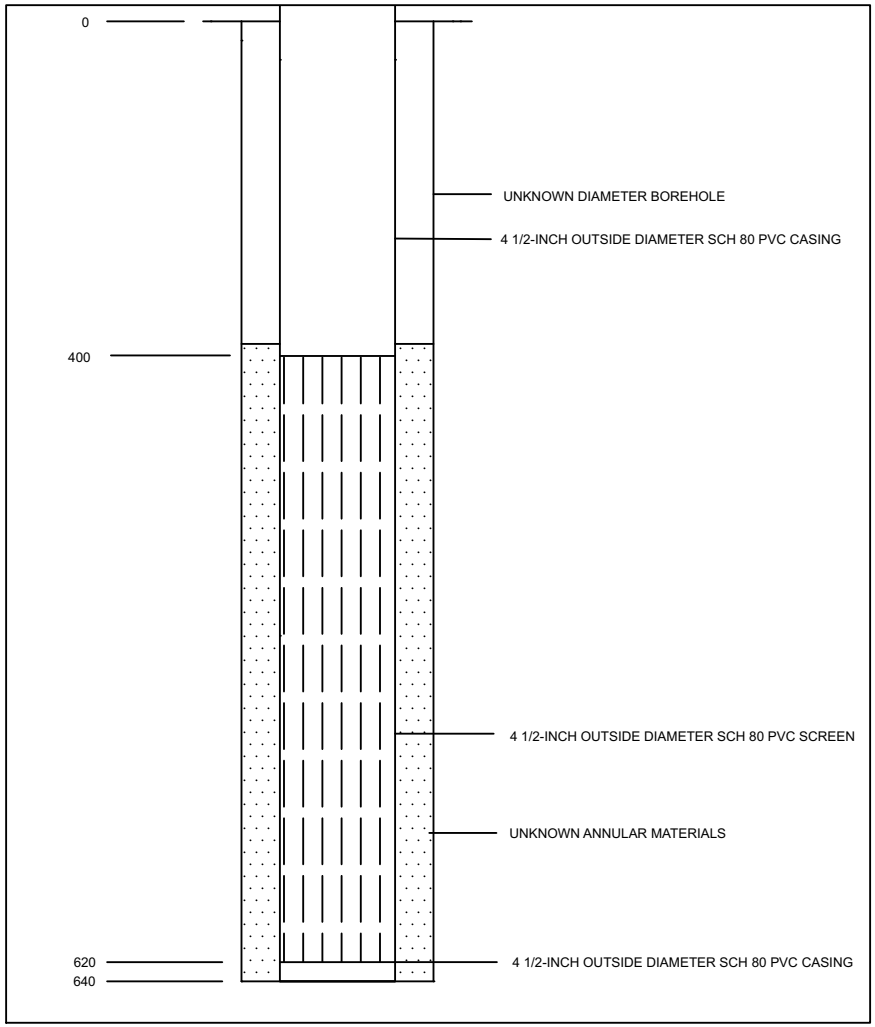
A total of 191 cubic feet of Type V neat cement grout was installed, the calculated volume was 50 cubic feet.

Certification

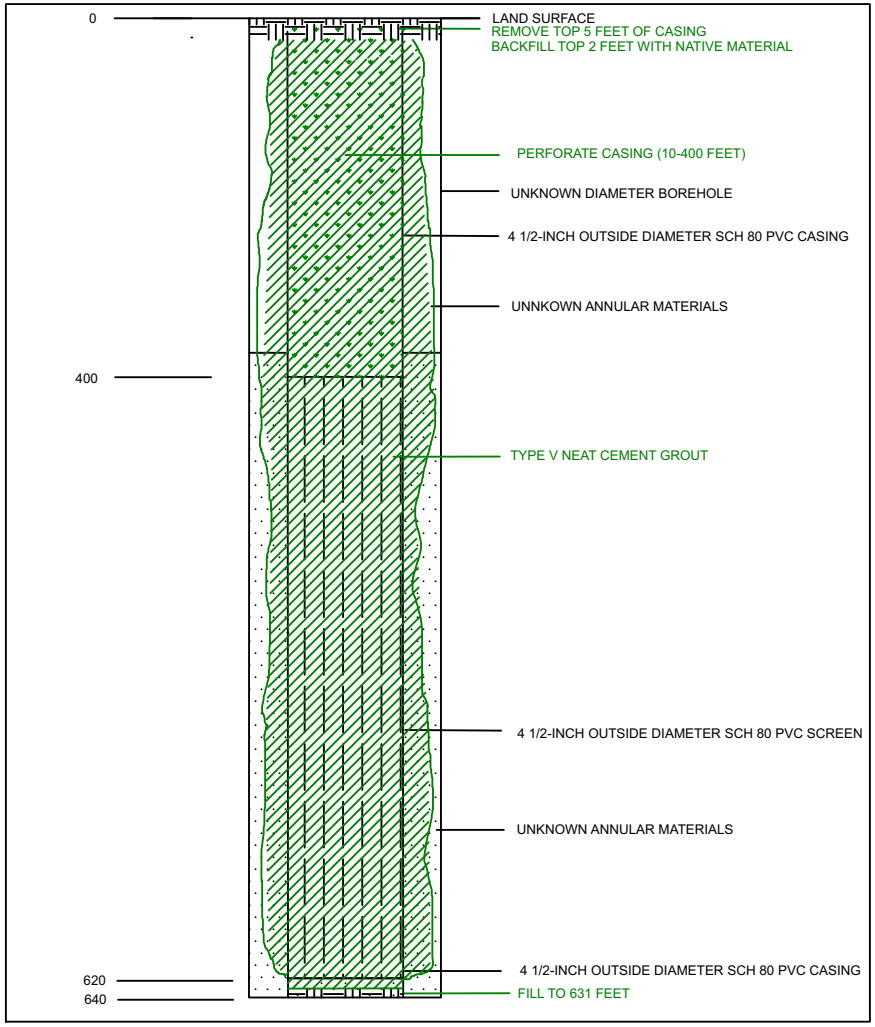
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

EXISTING WELL



ABANDONMENT DESIGN



NOTE:
DRAWING NOT TO SCALE
PVC = POLYVINYL CHLORIDE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-483118
CADASTRAL LOCATION: D(4-9)28DBC

Florence Copper

RGC Hydro Services

WELL OB2-1
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		P15-O

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

SW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

400 ft. from (N/S) N Line of quarter section

243 ft. from (E/W) E Line of quarter section.

Latitude 33 3' 07"

Longitude 111 26' 08"

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 4/22/2024	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Well P15-O was tagged to a depth of 1,292 feet, so no cleanout was necessary.

Detonation cord (100 grain) was installed in the corehole from 10-580 feet, tremie was installed to within 30 feet of the bottom of the well, and Type V neat cement was installed from 1,292 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface.

After the grout cured and settled, the top 2 feet of casing was removed and the grout was topped off to 2 feet below land surface. The excavation was backfilled from 2 feet to land surface with native fill.

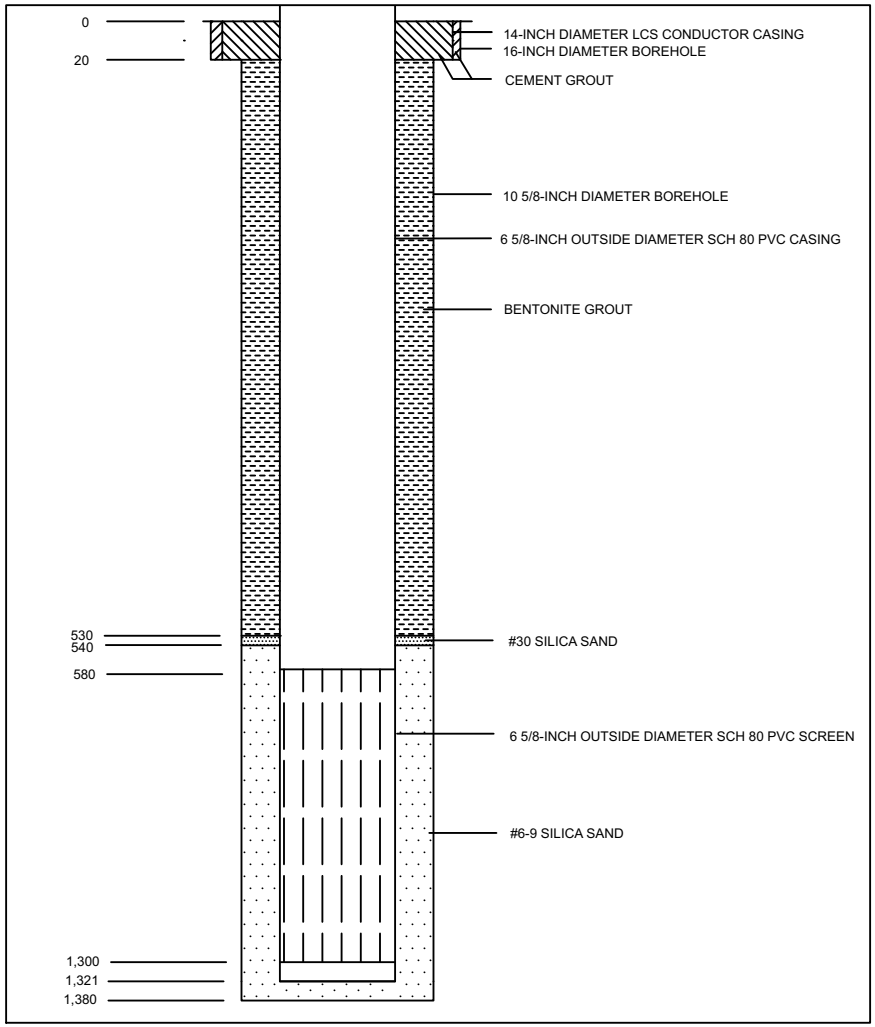
A total of 347 cubic feet of Type V neat cement grout was installed, the calculated volume was 233 cubic feet.

Certification

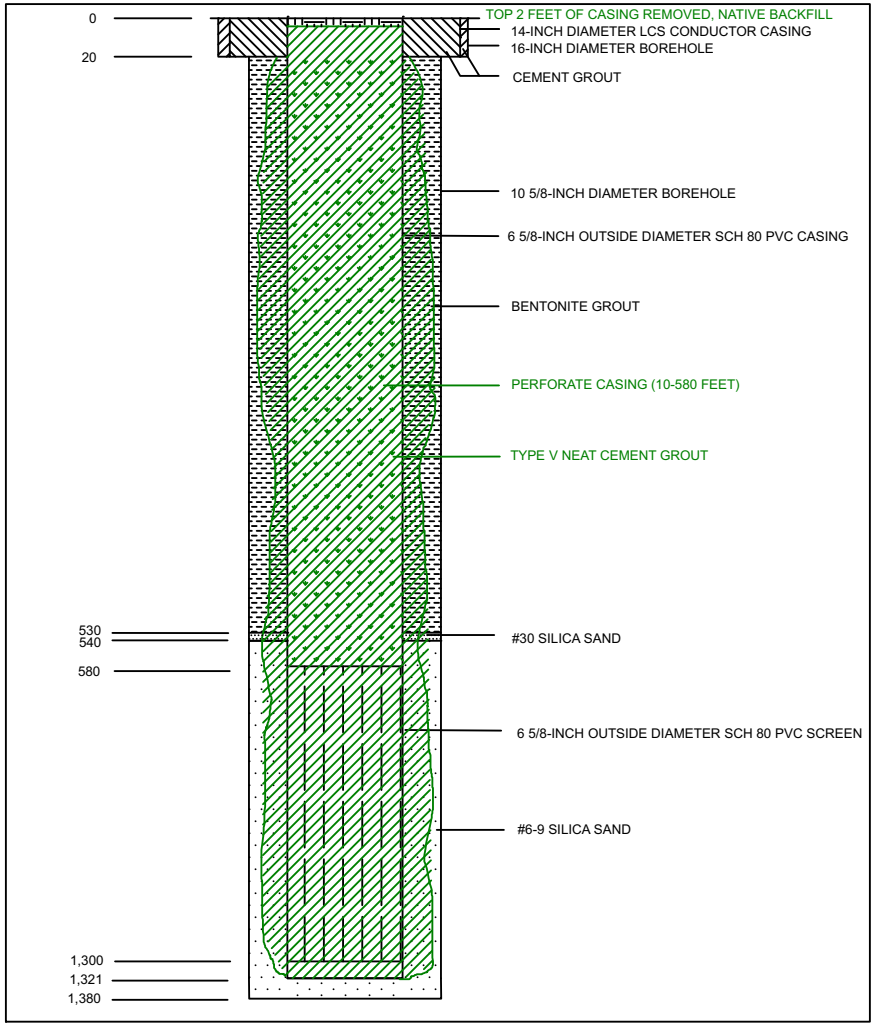
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

EXISTING WELL



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
PVC = POLYVINYL CHLORIDE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-549158
CADASTRAL LOCATION: D(4-9)28CCA

Florence Copper

RGC Hydro Services

WELL P15-O
ABANDONMENT DIAGRAM
FLORENCE COPPER LLC

OMB No. 2040-0042 Approval Expires 4/30/2022

United States Environmental Protection Agency

WELL REWORK RECORD, PLUGGING AND ABANDONMENT PLAN, OR PLUGGING AND ABANDONMENT AFFIDAVIT

Name and Address, Phone Number and/or Email of Permittee

Florence Copper LLC
1575 West Hunt Highway
Florence, Arizona 85132
520-374-3984

Permit or EPA ID Number	API Number	Full Well Name
R9UIC-AZ3-FY19-1		PW7-1

State	County
Arizona	Pinal

Locate well in two directions from nearest lines of quarter section and drilling unit

Latitude: 33 2' 54"

Longitude: 111 25' 54"

Surface Location

SE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

360 ft. from (N/S) N Line of quarter section

330 ft. from (E/W) E Line of quarter section.

Well Class	Timing of Action (pick one)	Type of Action (pick one)
☐ Class I	☐ Notice Prior to Work Date Expected to Commence	☐ Well Rework
☐ Class II		☑ Plugging and Abandonment
☑ Class III	☑ Report After Work Date Work Ended 4/22/2024	☐ Conversion to a Non-Injection Well
☐ Class V		

Provide a narrative description of the work planned to be performed, or that was performed. Use additional pages as necessary. See instructions.

Well PW7-1 was tagged to a depth of 884 feet, so no cleanout was necessary.

Detonation cord (100 grain) was installed in the corehole from 10-550 feet, tremie was installed to within 30 feet of the bottom of the well, and Type V neat cement was installed from 884 feet to land surface. After cement returns were observed at surface, the detonation cord was detonated to perforate the casing and the grout was topped off to land surface. After the grout cured and settled, the top 2 feet of casing was removed and the grout was topped off to 2 feet below land surface.

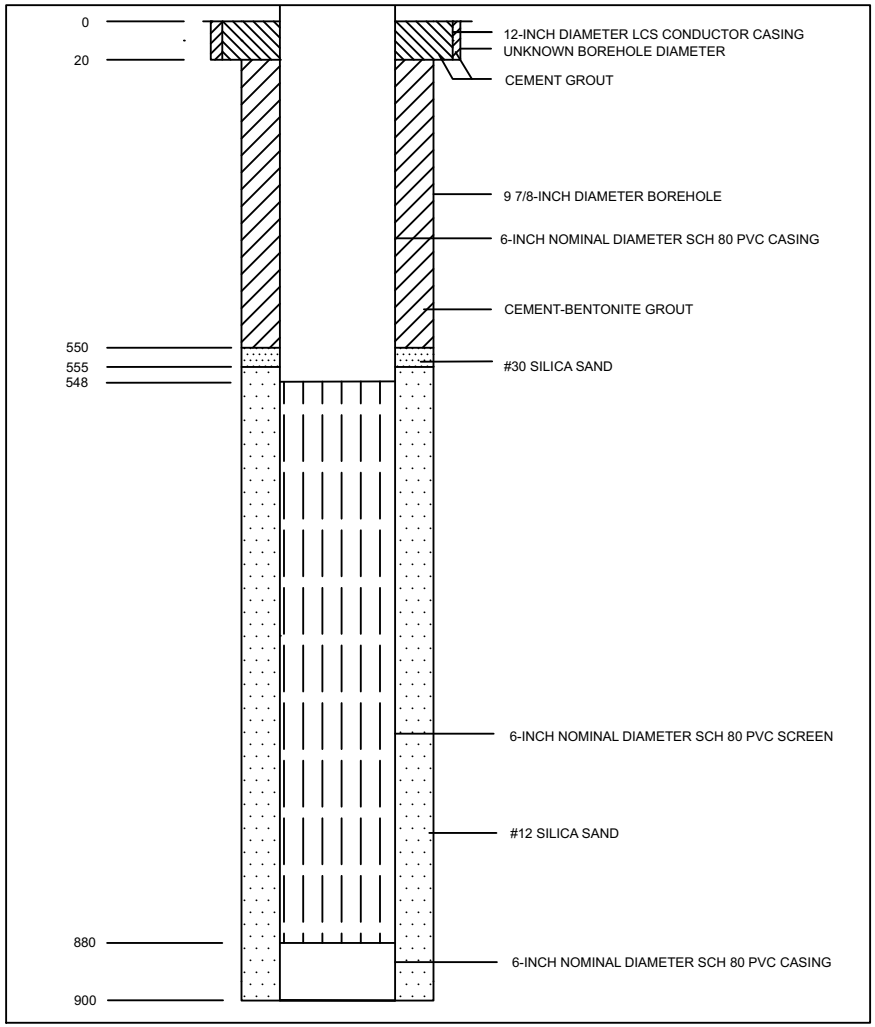
A total of 233 cubic feet of Type V neat cement grout was installed, the calculated volume was 160 cubic feet.

Certification

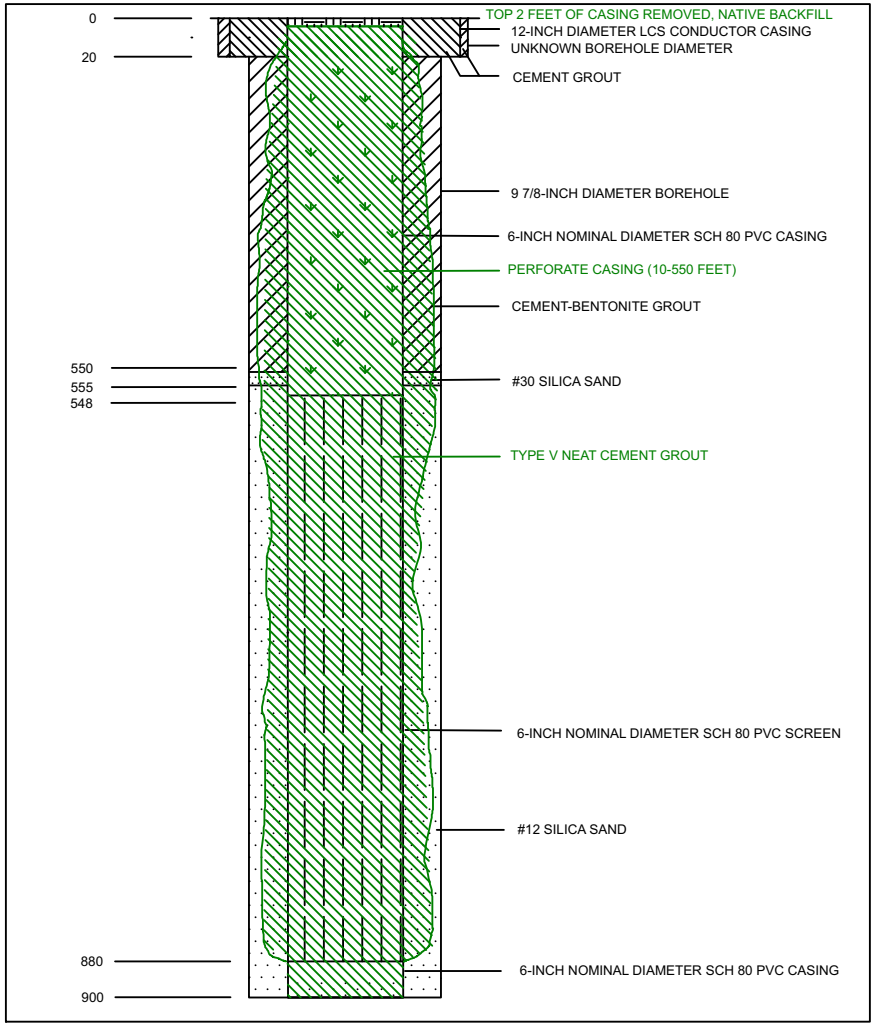
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibliity of fine and imprisonment. (Ref. 40 CFR § 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed
John Mays, General Manager Florence Copper	John Mays	7/22/2024

EXISTING WELL



ABANDONMENT DIAGRAM



NOTE:
DRAWING NOT TO SCALE
PVC = POLYVINYL CHLORIDE
ALL DEPTHS ARE FEET BELOW LAND SURFACE

WELL REGISTRY ID: 55-473117
CADASTRAL LOCATION: D(4-9)28CDA

Florence Copper

RGC Hydro Services

WELL PW7-1
ABANDONMENT SCHEMATIC
FLORENCE COPPER LLC

ATTACHMENT 12

Table of Monthly Casing Annulus and Injection Pressures

Q2 2024 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 1. April 2024 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	
4/1/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/2/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/3/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/4/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/5/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/6/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/7/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/8/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/9/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/11/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/12/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/13/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/14/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/15/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/16/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/17/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/18/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/19/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/20/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/21/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/22/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/23/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/24/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/25/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/26/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/27/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/28/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/29/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/30/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89

Notes:

All measurements in pounds per square inch (psi)

No data were available for the following dates/wells:

I-03 off 4/1/2024 - 4/24/2024

I-04 off 4/11/2024 - 4/30/2024

R-09 off 4/1/2024 - 4/30/2024

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

P-Fracture	*= Pressure allowed at the top of the injection well screen (TOS)*	*=*	*0.65*	*psi/foot of depth*
D-TOS	*= Depth to top of injection well screens*	*=*	*520*	*feet*
P-TOS	*= Total pressure allowed at top of screen = P-Fracture x D-TOS*	*= 0.65 psi/foot x 520 feet*	*338*	*psi*
Conv	*= Feet of Water per psi*	*=*	*2.31*	*feet/psi*
P-Col	*= Pressure from weight of water column at TOS*	*= 520 feet / 2.31 feet/psi*	*225.11*	*psi*
P-Wellhead	*= Allowable pressure at the top of the wellhead = P-TOS - P-Col*	*= 338 psi - 255.1 psi*	*112.89*	*psi*

Q2 2024 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 2. May 2024 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			R-09			Fracture
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	Gradient
5/1/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/2/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/3/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/4/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/5/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/6/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/7/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/8/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/9/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.03	NM	NM	NM	112.89
5/11/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/12/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/13/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/14/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/15/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.03	NM	NM	NM	112.89
5/16/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/17/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/18/2024	0.00	0.00	0.00	0.03	0.00	0.24	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/19/2024	0.00	0.00	0.00	NM	NM	NM	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/20/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/21/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/22/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.20	0.00	2.28	NM	NM	NM	112.89
5/23/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/24/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/25/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/26/2024	0.00	0.00	0.00	NM	NM	NM	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/27/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.03	NM	NM	NM	112.89
5/28/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.03	NM	NM	NM	112.89
5/29/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/30/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
5/31/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89

Notes:

All measurements in pounds per square inch (psi)

No data were available for the following dates/wells:

I-02 reconditioning 5/19/2024 - 5/31/2024

I-03 reconditioning 5/11/2024 - 5/17/2024

I-04 off 5/1/2024 - 5/9/2024

R-09 operating as a recovery well 5/1/2024 - 5/31/2024

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

P-Fracture	*= Pressure allowed at the top of the injection well screen (TOS)*	*=*	*0.65*	*psi/foot of depth*
D-TOS	*= Depth to top of injection well screens*	*=*	*520*	*feet*
P-TOS	*= Total pressure allowed at top of screen = P-Fracture x D-TOS*	*= 0.65 psi/foot x 520 feet*	*338*	*psi*
Conv	*= Feet of Water per psi*	*=*	*2.31*	*feet/psi*
P-Col	*= Pressure from weight of water column at TOS*	*= 520 feet / 2.31 feet/psi*	*225.11*	*psi*
P-Wellhead	*= Allowable pressure at the top of the wellhead = P-TOS - P-Col*	*= 338 psi - 255.1 psi*	*112.89*	*psi*

Q2 2024 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 3. June 2024 Wellhead Pressures

Date	I-01			I-02			I-03			I-04			R-09			Fracture
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	Gradient
6/1/2024	0.00	0.00	0.00	NM	NM	NM	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/2/2024	0.00	0.00	0.00	NM	NM	NM	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/3/2024	0.00	0.00	0.00	NM	NM	NM	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/4/2024	0.01	0.00	0.04	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.03	NM	NM	NM	112.89
6/5/2024	0.01	0.00	0.03	0.00	0.00	0.00	0.02	0.01	0.03	0.03	0.01	0.03	NM	NM	NM	112.89
6/6/2024	NM	NM	NM	NM	NM	NM	0.02	0.01	0.03	0.01	0.00	0.03	NM	NM	NM	112.89
6/7/2024	NM	NM	NM	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/8/2024	NM	NM	NM	0.00	0.00	0.00	0.02	0.01	0.03	7.10	0.00	16.78	NM	NM	NM	112.89
6/9/2024	NM	NM	NM	0.00	0.00	0.00	0.02	0.01	0.03	7.22	0.00	16.13	NM	NM	NM	112.89
6/10/2024	NM	NM	NM	0.00	0.00	0.00	0.01	0.00	0.03	5.92	0.00	12.86	NM	NM	NM	112.89
6/11/2024	NM	NM	NM	0.00	0.00	0.00	0.02	0.00	0.03	4.03	0.00	15.69	NM	NM	NM	112.89
6/12/2024	NM	NM	NM	1.41	0.00	9.71	0.02	0.01	0.03	0.98	0.00	41.96	NM	NM	NM	112.89
6/13/2024	NM	NM	NM	1.24	0.00	9.43	0.02	0.00	0.03	0.00	0.00	0.02	NM	NM	NM	112.89
6/14/2024	NM	NM	NM	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/15/2024	NM	NM	NM	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/16/2024	NM	NM	NM	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/17/2024	NM	NM	NM	0.34	0.00	8.61	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/18/2024	0.00	0.00	0.01	0.03	0.00	5.50	0.02	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/19/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/20/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/21/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/22/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/23/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/24/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/25/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/26/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/27/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/28/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/29/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89
6/30/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.03	0.00	0.00	0.00	NM	NM	NM	112.89

Notes:

All measurements in pounds per square inch (psi)

No data were available for the following dates/wells:

I-01 reconditioning 6/6/2024 - 6/17/2024

I-02 reconditioning 6/1/2024 - 6/3/2024

I-02 off 6/6/2024

R-09 operating as a recovery well 6/1/2024 - 6/30/2024

Calculation of Pressure Allowed at the Wellhead from the Allowed Fracture Gradient

P-Wellhead = P-TOS - P-Col = [P-Frac x D-TOS] - [D-TOS / Conv] Where:

P-Fracture	*= Pressure allowed at the top of the injection well screen (TOS)*	*=*	*0.65*	*psi/foot of depth*
D-TOS	*= Depth to top of injection well screens*	*=*	*520*	*feet*
P-TOS	*= Total pressure allowed at top of screen = P-Fracture x D-TOS*	*= 0.65 psi/foot x 520 feet*	*338*	*psi*
Conv	*= Feet of Water per psi*	*=*	*2.31*	*feet/psi*
P-Col	*= Pressure from weight of water column at TOS*	*= 520 feet / 2.31 feet/psi*	*225.11*	*psi*
P-Wellhead	*= Allowable pressure at the top of the wellhead = P-TOS - P-Col*	*= 338 psi - 255.1 psi*	*112.89*	*psi*

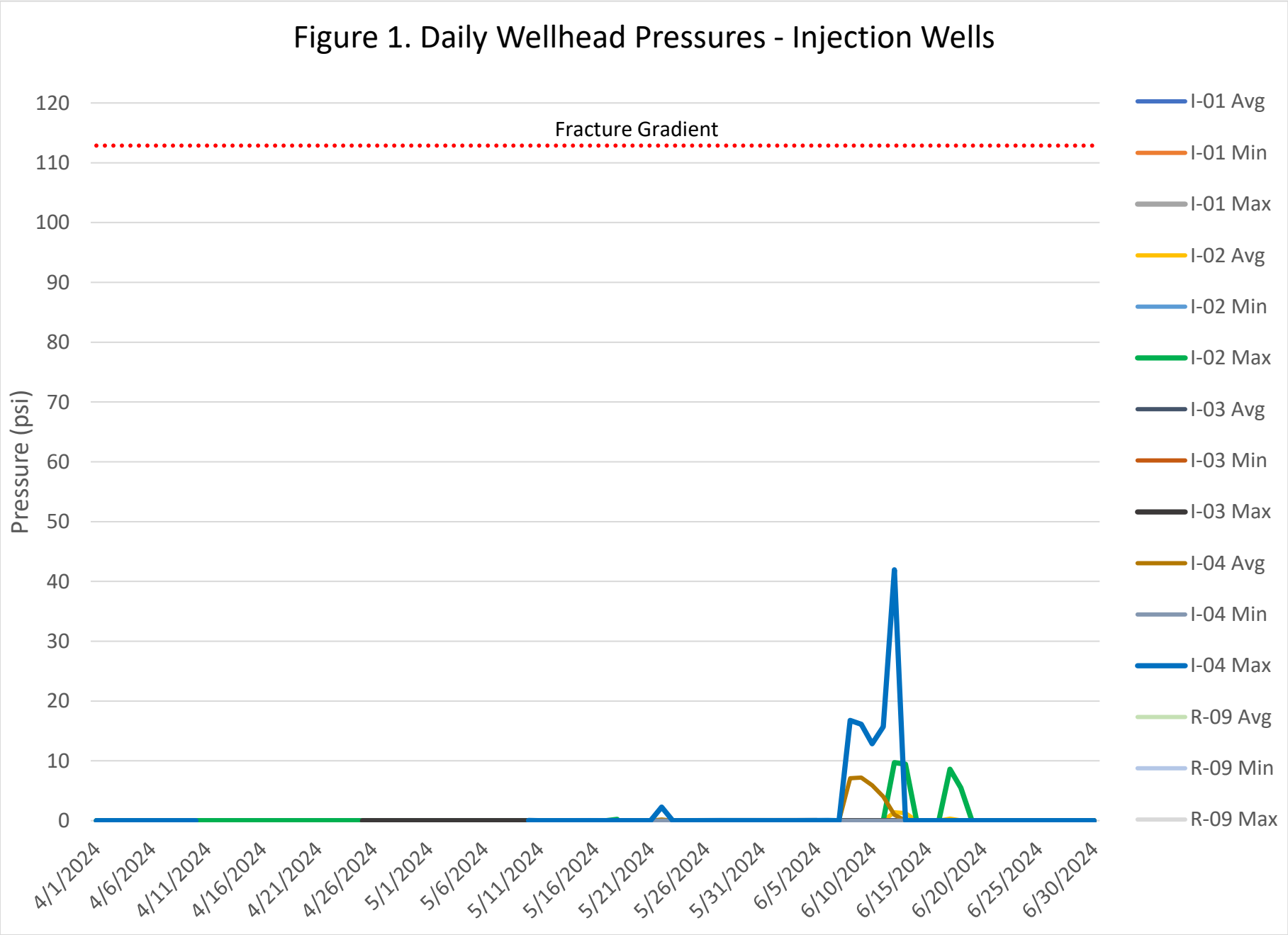


Figure 1. Daily Wellhead Pressures - Injection Wells
Pressure (psi)
120
110
100
90
80
70
60
50
40
30
20
10
0
Fracture Gradient
4/1/2024
4/6/2024
4/11/2024
4/16/2024
4/21/2024
4/26/2024
5/1/2024
5/6/2024
5/11/2024
5/16/2024
5/21/2024
5/26/2024
5/31/2024
6/5/2024
6/10/2024
6/15/2024
6/20/2024
6/25/2024
6/30/2024
I-01 Avg
I-01 Min
I-01 Max
I-02 Avg
I-02 Min
I-02 Max
I-03 Avg
I-03 Min
I-03 Max
I-04 Avg
I-04 Min
I-04 Max
R-09 Avg
R-09 Min
R-09 Max

Q2 2024 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 4. April 2024 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	
4/1/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/2/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/3/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/4/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/5/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/6/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/7/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/8/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/9/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
4/11/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/12/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/13/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/14/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/15/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/16/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/17/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/18/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/19/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/20/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/21/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/22/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/23/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/24/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	NM	NM	NM	112.89
4/25/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/26/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/27/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/28/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/29/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
4/30/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89

Notes:

All measurements in pounds per square inch (psi)

No data were available for the following dates/wells:

I-03 off 4/1/2024 - 4/24/2024

I-04 off 4/11/2024 - 4/30/2024

R-09 off 4/1/2024 - 4/30/2024

Q2 2024 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 5. May 2024 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	
5/1/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/2/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/3/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/4/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/5/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/6/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/7/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/8/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/9/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM	NM	112.89
5/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/11/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/12/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/13/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/14/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/15/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/16/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/17/2024	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	NM	NM	NM	112.89
5/18/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/19/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/20/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/21/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/22/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/23/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/24/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/25/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/26/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/27/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/28/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/29/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/30/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
5/31/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89

Notes:

I-02 reconditioning 5/19/2024 - 5/31/2024

I-03 reconditioning 5/11/2024 - 5/17/2024

I-04 off 5/1/2024 - 5/9/2024

R-09 operating as a recovery well 5/1/2024 - 5/31/2024

Q2 2024 DAILY WELLHEAD PRESSURES - INJECTION WELLS

FLORENCE COPPER LLC

FLORENCE, ARIZONA

Table 6. June 2024 Casing Annulus Pressure

Date	I-01			I-02			I-03			I-04			R-09			Fracture Gradient
	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	AVG	MIN	MAX	
6/1/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/2/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/3/2024	0.00	0.00	0.00	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/4/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/5/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/6/2024	NM	NM	NM	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/7/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/8/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/9/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/10/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/11/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/12/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/13/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/14/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/15/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/16/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/17/2024	NM	NM	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/18/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/19/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/20/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/21/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/22/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/23/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/24/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/25/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/26/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/27/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/28/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/29/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89
6/30/2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NM	NM	NM	112.89

Notes:

All measurements in pounds per square inch (psi)

No data were available for the following dates/wells:

I-01 reconditioning 6/6/2024 - 6/17/2024

I-02 reconditioning 6/1/2024 - 6/3/2024

I-02 off 6/6/2024

R-09 operating as a recovery well 6/1/2024 - 6/30/2024

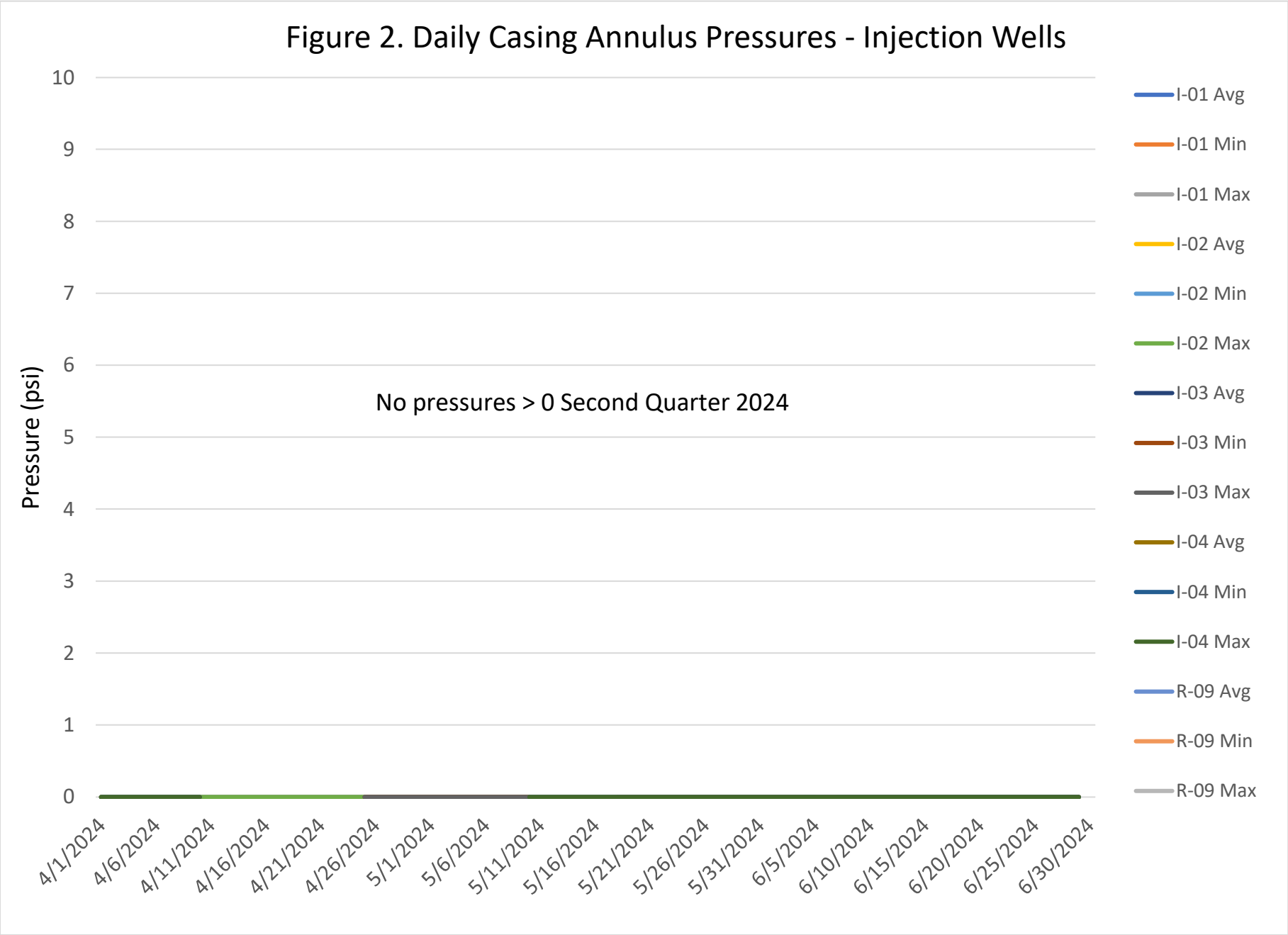


Figure 2. Daily Casing Annulus Pressures - Injection Wells
Pressure (psi)
10
9
8
7
6
5
4
3
2
1
0
No pressures > 0 Second Quarter 2024
4/1/2024
4/6/2024
4/11/2024
4/16/2024
4/21/2024
4/26/2024
5/1/2024
5/6/2024
5/11/2024
5/16/2024
5/21/2024
5/26/2024
5/31/2024
6/5/2024
6/10/2024
6/15/2024
6/20/2024
6/25/2024
6/30/2024
I-01 Avg
I-01 Min
I-01 Max
I-02 Avg
I-02 Min
I-02 Max
I-03 Avg
I-03 Min
I-03 Max
I-04 Avg
I-04 Min
I-04 Max
R-09 Avg
R-09 Min
R-09 Max

ATTACHMENT 13

Resource Block Status Report

Q2 2024 RESOURCE BLOCK STATUS SUMMARY
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Table 1. Resource Block Status Summary

Resource Block [1]	Block Status	Development Categories			
		PTF Wellfield[2]	Package 1[3]	Package 2[4]	Package 3[5]
036	Under Construction, Planned			Yes	
037	Under Construction, Planned		Yes	Yes	Yes
045	Rinsing, Under Construction, Planned	Yes	Yes	Yes	
046	Under Construction, Planned		Yes		Yes
053	Rinsing, Under Construction, Planned	Yes		Yes	Yes
054	Rinsing, Under Construction, Planned	Yes	Yes	Yes	Yes
062	Planned				Yes

Notes:

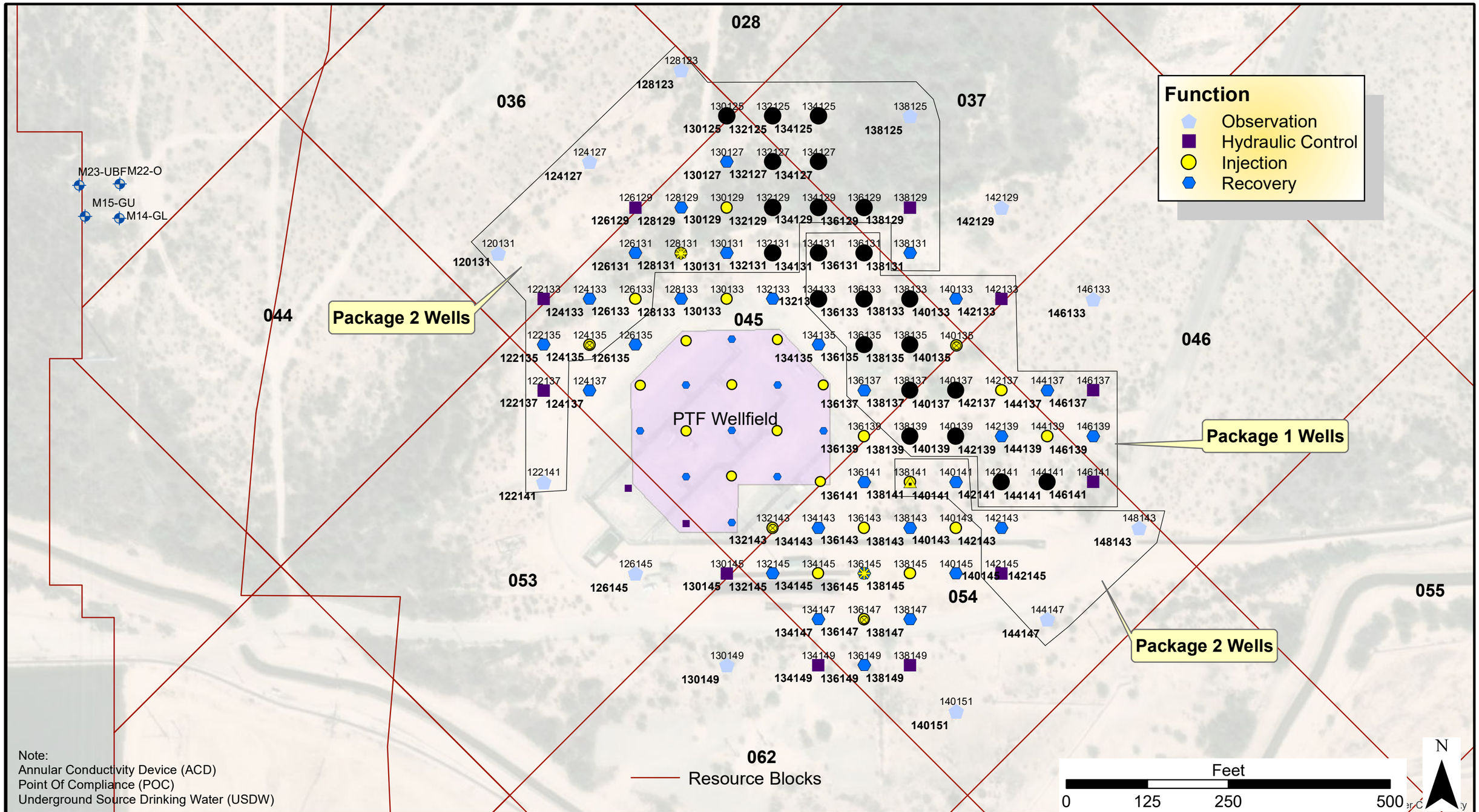
(1) Resource block numbering provided in Figure 1 attached.

(2) PTF Wellfield = Rinsing during monitoring period

(3) Package 1 Wells = Includes both planned and under construction wells during monitoring period

(4) Package 2 Wells = Includes both planned and under construction wells during monitoring period

(5) Package 3 Wells = Wells that are not within Package 1 or 2 but have preliminary plans for construction



Note:
Annular Conductivity Device (ACD)
Point Of Compliance (POC)
Underground Source Drinking Water (USDW)

ACD Well	Constructed Wells	ACD Demonstration
POC Well		Early Warning ACD - Fault
USDW Well	Pilot Test Wells	Early Warning ACD

Florence Copper

Wellfield Development Plan

CLIENT: Florence Copper		PROJECT: UIC Permit Drilling Notification	
JOB: UIC	SCALE: 1:1700	DRAWN: IR	CHECKED: MS
DATE: April 2024		FIGURE: X.XX	

ATTACHMENT 14

Migratory Bird Landings

TABLE 1
Q2 2024 OBSERVED MIGRATORY BIRD LANDINGS
FLORENCE COPPER LLC
FLORENCE, ARIZONA

Date	Migratory Bird Species	Comments:	Fatality (Y or N)
4/4/2024	American Coot	A decesased American Coot was retrieved from the BHP Pond on April 4, 2024. Verbal and written notifications were provided to United States Fish and Wildlife Service (USFWS) the following day. The follow-up letter provided to USFWS is included in this attachment.	Y

WestLand | Engineering & Environmental Services

4001 E. Paradise Falls Drive
Tucson, AZ 85712
520-206-9585

April 18, 2024

Special Agent Robert Fortiz
U.S. Fish and Wildlife Service
Law Enforcement Office

Submitted via email to: Robert_Fortiz@fws.gov

RE: AVIAN MORTALITY IN AN EVAPORATION POND AT FLORENCE COPPER INC. PROJECT
WESTLAND PROJECT NO. 11813

Dear Mr. Fortiz,

On behalf of Florence Copper Inc. (Florence Copper), WestLand Engineering & Environmental Services (WestLand) has prepared this letter documenting an avian mortality in an evaporation pond at the Florence Copper Project south of West Hunt Highway in Florence, Pinal County, Arizona. On April 4, 2024, at approximately 10:30 am, Florence Copper's Environment department was notified by an onsite employee of a dead animal in an evaporation pond (coordinates 33.051841, -111.423287). The animal was removed from a foam layer on the pond during routine cleaning and was placed on the pond lining and photographed by the employee. The evaporation pond is lined and contains a neutralized processed solution with numerous PittBoss™ Evaporators which aid the evaporation process.

Upon visual investigation, it was determined by Florence Copper's Environment department that the reported dead animal was an avian species. Florence Copper contacted a WestLand Senior Biologist, and it was determined that the bird species was an American coot (*Fulica americana*); see attached photograph.

In accordance with Florence Copper's Standard Operating Procedure (SOP) for reporting wildlife on the Florence Copper Project, the avian mortality was reported to the U.S. Fish and Wildlife Service (USFWS) Law Enforcement Office on April 5, 2024, via both phone at 1:39 pm (voicemail was left) and email at 5:30 pm. The bird was placed in a plastic bag and stored in a freezer.

A follow-up phone call by Special Agent Robert Fortiz of USFWS was received by the WestLand Senior Biologist on April 16, 2024, at 10:01 am. Per his direction, the bird will be dropped off at Liberty Wildlife to be processed.

Currently, Florence Copper has contracted WestLand to produce a Biodiversity Management Plan which will outline specific avian protection measures to reduce impacts to avian species on the Florence Copper Project.

Respectfully,
WestLand Engineering & Environmental Services

Ron van Ommeren
Environmental Department Director

RVO:kd
Attachment: Photograph

cc: Chris Melisi, WestLand
Mark Severson, Florence Copper Inc.

Photo 1. Deceased bird at edge of evaporation pond