

April 15, 2026

Ms. Alexis Slade, Environmental Engineer  
Iowa Department of Natural Resources  
6200 Park Avenue, Suite 200  
Des Moines, Iowa 50321



**RE: 2026 Spring Water Quality Notification  
South Central Iowa Landfill Agency (SCILA) 61-SDP-01-78P**

Dear Ms. Slade:

### **HMSP**

The 2026 HMSP includes the monitoring points listed in Table 1.

Interwell Statistics are utilized to evaluate the unconsolidated system (System #1) and the Exline System (System #4) at this facility. Water sampling at MW-45D (Exline) was initiated in advance of the acceptance of waste in the Cell A/Cell B Expansion Area. Intrawell Statistical Evaluations will be performed at MW-45D in addition to the Interwell Statistical evaluations performed at all Exline System monitoring wells (Attachment A).

GU-2, GU-A, GU-B, and MW-45A are all completed in the Ladore Shale and represent the uppermost water bearing unit below the Cell A and Cell B Expansion Area. IDNR approved the use of Intrawell Statistical Evaluation of GU-2, GU-A, GU-B, and MW-45A, given that each point had water samples collected in advance of waste placement in Cell A and Cell B. The intrawell statistics will commence at each respective point when a minimum of eight (8) rounds of data are available for the background at that given point. To date only six (6) samples have been collected from MW45A (Attachment A).

### **INTRAWELL STATISTICS**

The background at GU 2, GU-A, and GU-B is currently at the minimum required (8 data points). Insufficient data is available to evaluate MW-45A by intrawell statistical methods. A single test result was available to evaluate at GU-2 and GU-B, while no results were available for comparison at GU-A.

For the data evaluated, there were no control limit exceedances detected, nor were there any increasing trends detected in the background data.

VOC were undetected at MW-45A, GU 2, GU-A, and GU-B.

### **INTERWELL STATISTICS**

#### **Wells in the Detection Monitoring System**

Verified Prediction Limit exceedance(s) for **inorganic compounds**:

None.

Verified Prediction Limit exceedance(s) for **VOC** include:

None.

### **Wells in the Assessment Monitoring System**

Verified **inorganic** compound detections that exceed the Prediction Limit:

MW-6A (Bethany Falls) - cobalt  
MW-44 (Till/Bedrock) - barium  
Tile 1 (Till/Bedrock) - barium  
Tile 2 (Till/Bedrock) - None  
MW-21 (Till/Bedrock) - None  
MW-17R (Exline) – barium, nickel  
MW-14D (Exline) - None  
MW-28 (Exline-Fill) – arsenic, barium, cobalt  
MW-45D (Exline) – None

Verified **VOC** detections that exceed the Prediction Limit:

MW-6A (Bethany Falls) – None  
MW-44 (Till/Bedrock) – None  
Tile 1 (Till/Bedrock) - 1,4-dichlorobenzene, benzene, chlorobenzene  
Tile 2 (Till/Bedrock) – None  
MW-21 (Till/Bedrock) - None  
MW-17R (Exline) – cis-1,2-dichloroethene  
MW-14D (Exline) - None  
MW-28 (Exline-Fill) – cis-1,2-dichloroethene  
MW-45D (Exline) – None

### **Assessment Monitoring**

A summary of all Assessment Monitoring (Appendix II) sampling is included in Table 2. There have been no compounds in the full Appendix II Compound list detected at any well on the site, with the exception of bis(2-ethylhexyl) phthalate. The request to discontinue bis (2-ethylhexyl) phthalate sampling at assessment monitoring points, except during the required full Appendix II sampling events on the five (5) year frequency was approved by IDNR on June 9, 2017 (Doc #89661).

### **Current Appendix II Compound Detections**

None

### **Passive Engineered Conveyance Structure Monitoring**

In compliance. There were no verified **VOC** detections at SW-102.

### **Wells in the Corrective Action Monitoring System**

Verified VOC detections:

MW-31 (Till/Bedrock) – 2-butanone  
MW-32 (Till/Bedrock) – None  
LW-26 (MSW Source) – acetone, benzene, chlorobenzene, 1,4-dichlorobenzene

### **Supplemental Wells**

Verified VOC detections:

MW-8B (Till/Bedrock) - None.  
MW-9AR (Till/Bedrock) – cis-1,2-dichloroethene, trans-1,2-dichloroethene, TCE  
MW-15R (Till/Bedrock) – None.

**HLW Engineering Group, 204 West Broad Street, P.O. Box 314, Story City, Iowa 50248**  
**(515) 733-4144**            **(515) 733-4146 Fax**

Inorganic compound concentrations at Supplemental Wells (MW-8B, MW-9AR, and MW-15R) continue to be monitored and the detected metal concentrations are tracked on time series plots (Attachment B). No increasing trends in inorganic compound concentrations are detected, except arsenic and barium at MW-15R.

The water quality of the Supplemental Wells will be fully evaluated in the Annual Water Quality Report as required.

**Recorded Statistically Significant Levels (SSL)**

There were no SSL detected at any point of compliance (POC) well or at any attenuation zone point of compliance (AZPOC) well. The exception is MW-28 where the 95% UCL for cobalt exceeds the GWPS. An Alternate Source Demonstration (ASD) has been completed at MW-28 and indicates that natural subsurface conditions at MW-28 are the cause of the elevated metal concentrations.

**Wells returning to the detection monitoring system**

None.

This notification is intended to satisfy requirements of Iowa Administrative Code (IAC) 567-113.10(5)"c"(1); 113.10(6)"d"(1); and 113.10(6)"g". The water quality results for the Spring of 2026 will be fully evaluated in the Annual Water Quality Report in accordance with the permit and IAC 567-113.10(10).

Please feel free to contact our office at (515) 733-4144 with any questions you may have.

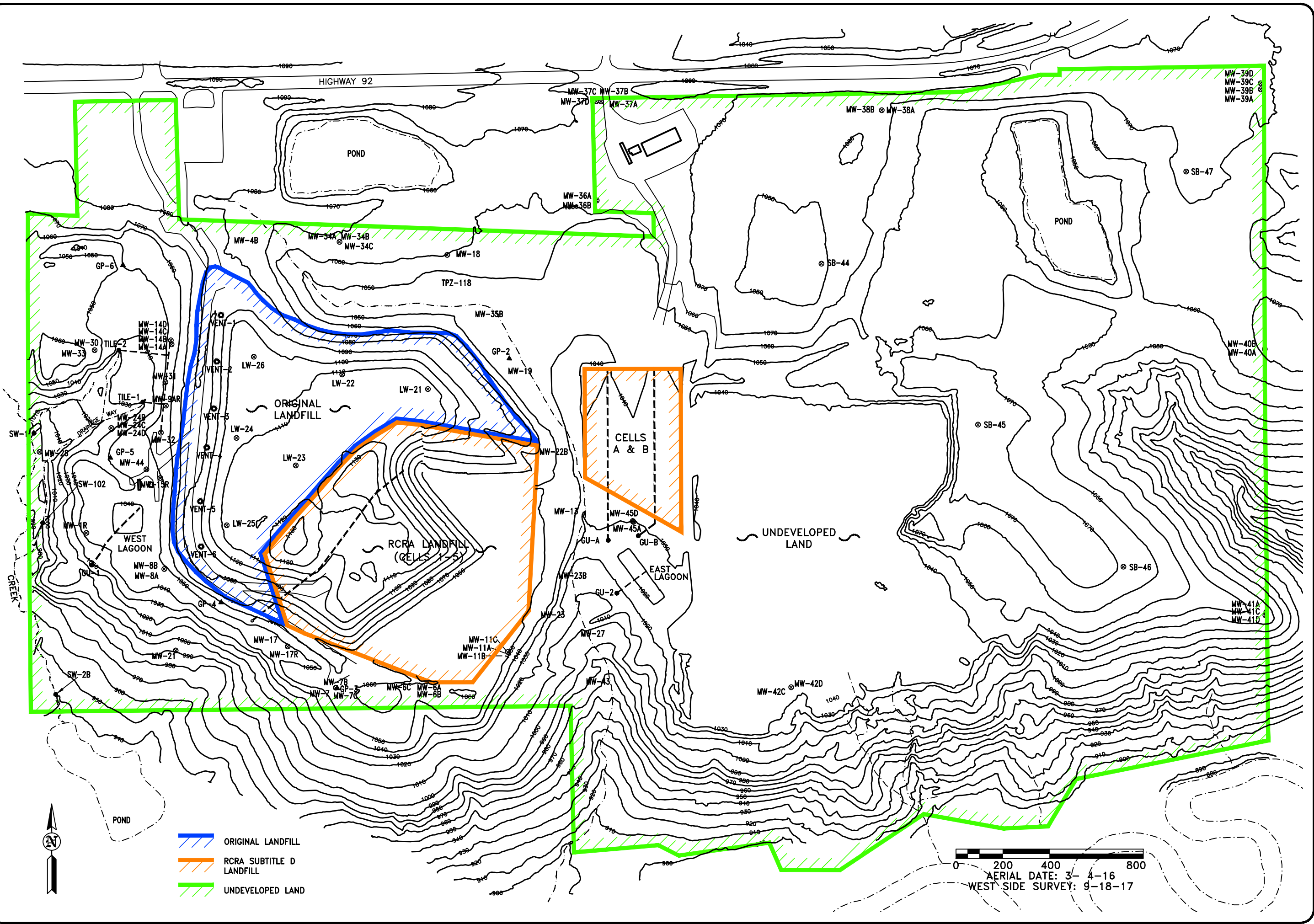
Sincerely,

**HLW Engineering Group**



Todd Whipple, CPG  
Project Manager

cc: Marcia Beeler, Manager

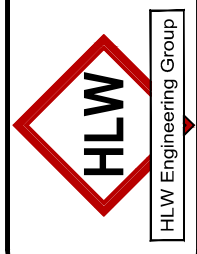


**FIGURE: 2**

REVISION	NO.	DATE
DRAWN	PROJECT NO.	DATE
DRA	6022	1-16-26

**SITE PLAN - TOPO**  
**SOUTH CENTRAL IOWA SANITARY LANDFILL**  
**WINTERSET, IOWA**

HLW Engineering Group  
 204 West Broad Street, P.O. Box 314  
 Story City, Iowa 50248  
 Phone: (515) 733-4144  
 FAX: (515) 733-4146



0 200 400 800  
 AERIAL DATE: 3-4-16  
 WEST SIDE SURVEY: 9-18-17

Table 1 - Hydrologic Monitoring System Plan (HMSP)

Point	Groundwater System	Water System #	Use	Screen Length	Program	Analyses 3-10-2026/Fall-2025
MW-34A	Till(fill)/bedrock	#1	Background	10 ft	Detection	Appendix I/Appendix I
MW-18	Till(fill)/bedrock	#1	Background	10 ft	Detection	Note <sup>(3)</sup> /Appendix I
MW-38A	Till(fill)/bedrock	#1	Background	5 ft	Detection	Dry/Appendix I
GU-1	Till(fill)/bedrock	#1	West Lagoon POC	N/A	Detection	Dry/Appendix I
MW-1R	Till(fill)/bedrock	#1	downgradient POC	10 ft	Detection	Dry/Appendix I
MW-15R	Till(fill)/bedrock	#1	downgradient POC	5 ft	Supplemental	Appendix I <sup>(2)</sup> /Appendix I <sup>(2)</sup>
MW-44	Till(fill)/bedrock	#1	downgradient POC	5 ft	AZPOC	<b>Appendix II</b> /Appendix I <sup>(1)</sup>
MW-6A	Bethany Falls	#1	downgradient POC	5 ft	Assessment	<b>Appendix II</b> /Appendix I
MW-9AR	Till(fill)/bedrock	#1	downgradient	10 ft	Supplemental	Appendix I <sup>(2)</sup> /Appendix I <sup>(2)</sup>
Tile 1	Till(fill)/bedrock	#1	downgradient POC	N/A	AZPOC	Appendix I/Appendix I
Tile 2	Till(fill)/bedrock	#1	downgradient POC	N/A	AZPOC	Appendix I/Appendix I
MW-8B	Till(fill)/bedrock	#1	downgradient	10 ft	Supplemental	Appendix I <sup>(2)</sup> /Appendix I <sup>(2)</sup>
MW-21	Till(fill)/bedrock	#1	downgradient POC	10 ft	AZPOC	Appendix I/Appendix I
MW-11C	Exline	#4	Background	1 ft	Detection	Appendix I/Appendix I
MW-39D	Exline	#4	Background	3 ft	Detection	Note <sup>(3)</sup> / Note <sup>(3)</sup>
MW-41D	Exline	#4	Background	3 ft	Detection	Note <sup>(3)</sup> / Note <sup>(3)</sup>
MW-42D	Exline	#4	Background	2 ft	Detection	Note <sup>(3)</sup> / Note <sup>(3)</sup>
MW-45D	Exline	#4	downgradient POC	3 ft	Detection	Appendix I/Appendix I
MW-17R	Exline	#4	downgradient POC	3 ft	Assessment	Appendix I/Appendix I
MW-14D	Exline	#4	downgradient	5 ft	Assessment	Appendix I <sup>(1)</sup> / Appendix I
MW-28	Exline*	#4	downgradient POC	5 ft	AZPOC	Appendix I/Appendix I
SW-2B	Surface Water	#5	downgradient POC	N/A	Detection	Note <sup>(4)</sup> / Note <sup>(4)</sup>
SW-102	PECS	#1, #4	downgradient POC	N/A	Compliance	Note <sup>(4)</sup> / Note <sup>(4)</sup>
GU-2	Ladore Shale	#6	East Lagoon POC	N/A	Detection	Appendix I/Appendix I
GU-A	Ladore Shale	#6	Cell A Underdrain	N/A	Detection	Appendix I/Appendix I
GU-B	Ladore Shale	#6	Cell B Underdrain	N/A	Detection	Appendix I/Appendix I
MW-45A	Pleasanton Shale	#6	Downgradient POC	3 ft	Detection	Appendix I/Appendix I
MW-31	Till(fill)/bedrock	#1	Plume	5 ft	CA	Note <sup>(4)</sup> - Annual
MW-32	Till(fill)/bedrock	#1	Plume	5 ft	CA	As+Note <sup>(4)</sup> - Annual
LW-26	MSW-leachate	#1	Source	40 ft	CA	Note <sup>(2,4,5)</sup> / - Annual
Vent 1	Till(fill)/bedrock	#1	Gas Source	10 ft	CA	% LEL Quarterly
Vent 2	Till(fill)/bedrock	#1	Gas Source	10 ft	CA	% LEL Quarterly
Vent 3	Till(fill)/bedrock	#1	Gas Source	10 ft	CA	% LEL Quarterly
Vent 4	Till(fill)/bedrock	#1	Gas Source	10 ft	CA	% LEL Quarterly
Vent 5	Till(fill)/bedrock	#1	Gas Source	10 ft	CA	% LEL Quarterly
Vent 6	Till(fill)/bedrock	#1	Gas Source	10 ft	CA	% LEL Quarterly

Table 1 Notes

\* – MW-28 does not intersect the Exline, the screen interval is in unconsolidated fill materials at the approximate elevation of the truncated edge of the Exline formation.

Note(1) = Appendix I plus bis(2-ethylhexyl)phthalate

Note(2) = dissolved methane, ethane, ethene, alkalinity, and pH

Note(3) = Appendix I metals

Note(4) = Appendix I VOC only

Note(5) = cobalt, ammonia (as N), sulfate, chloride, TDS, and BOD<sup>5</sup>

CA = Corrective Action Monitoring System

Table 2 - Historic Appendix II Compound Detections  
 Bis(2-ethylhexyl)phthalate (green highlights = a full Appendix II sample)

Date	MW-9A/9AR*	MW-8B*	MW-15/15R*
6/8/2009	< 8	NT	NT
10/23/2009	< 11	NT	NT
1/27/2010	NT	< 8	NT
3/19/2010	NT	< 9.5	NT
9/14/2010	<b>9.0</b>	NT	NT
3/4/2011	< 10	NT	NT
3/13/2012	< 10	NT	NT
9/19/2012	< 10	NT	NT
3/5/2013	< 10	NT	NT
9/12/2013	< 10	NT	NT
3/28/2014	< 10	NT	NT
9/23/2014	< 10	NT	NT
3/19/2015	< 10	NT	NT
8/27/2015	< 10	NT	NT
3/4/2016	< 8	< 8	NT
9/20/2016	< 10	NT	NT
3/9/2017	< 10	NT	<b>12.0</b>
6/6/2017	NT	NT	<6
9/14/2017	NT	NT	NT
3/13/2018	NT	NT	<6
9/10/2018	NT	NT	NT
3/26/2019	NT	NT	NT
6/5/2019	NT	NT	NT
9/16/2019	NT	NT	NT
3/24/2020	NT	NT	NT
9/2/2020	NT	NT	NT
3/8/2021	NT	NT	NT
9/14/2021	NT	NT	NT
3/28/2022	NT	NT	NT
9/13/2022	NT	NT	NT
3/23/2023	NT	NT	NT
9/5/2023	NT	NT	NT
3/6/2024	NT	NT	NT
9/18/2024	NT	NT	NT
3/11/2025	NT	NT	NT
9/4/2025	NT	NT	NT
3/10/2026	NT	NT	NT

\* - Supplemental wells do not require full Appendix II sampling on the five (5) year frequency.

Bis(2-ethylhexyl)phthalate (green highlights = a full Appendix II sample)

Date	MW-6A	MW-14D	MW-17R	Tile 1	Tile 2	MW-28	MW-44
8/27/2015	NT	NT	NT	NT	NT	NT	NT
3/4/2016	NT	NT	< 8	NT	NT	NT	NT
9/20/2016	NT	NT	NT	NT	NT	NT	NT
3/9/2017	NT	NT	< 8	NT	NT	NT	NT
6/6/2017	NT	NT	NT	NT	NT	NT	NT
9/14/2017	NT	<6	NT	NT	NT	NT	NT
3/13/2018	NT	< 8	NT	NT	NT	NT	NT
9/10/2018	NT	NT	NT	NT	NT	NT	NT
3/26/2019	<b>55.0</b>	NT	NT	NT	NT	NT	NT
6/5/2019	< 6	NT	NT	NT	NT	NT	NT
9/16/2019	NT	NT	NT	NT	NT	NT	NT
3/24/2020	<b>7.0</b>	NT	NT	NT	NT	NT	NT
9/2/2020	NT	NT	NT	NT	NT	NT	NT
3/8/2021	< 6	NT	NT	<6	<6	<6	NT
9/14/2021	< 6	NT	NT	NT	NT	NT	NT
3/28/2022	< 6	NT	<b>13.0</b>	<6	<6	<6	NT
9/13/2022	NT	NT	< 6	NT	NT	NT	NT
3/23/2023	NT	NT	NT	NT	NT	NT	NT
9/5/2023	NT	NT	NT	NT	NT	NT	NT
3/6/2024	NT	<b>10.0</b>	NT	NT	NT	NT	<b>14.0</b>
9/18/2024	NT	< 6	NT	NT	NT	NT	<b>10.0</b>
3/11/2025	<6	< 6	NT	NT	NT	NT	<b>6.0</b>
9/4/2025	NT	NT	NT	NT	NT	NT	<6
3/10/2026	NT	NT	NT	NT	NT	NT	NT

**Attachment A**  
**Intrawell Statistical Report**

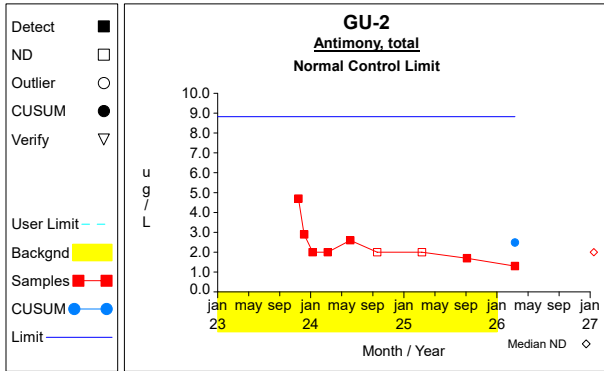
Table 1

Summary Statistics and Intermediate Computations  
for Combined Shewhart-CUSUM Control Charts

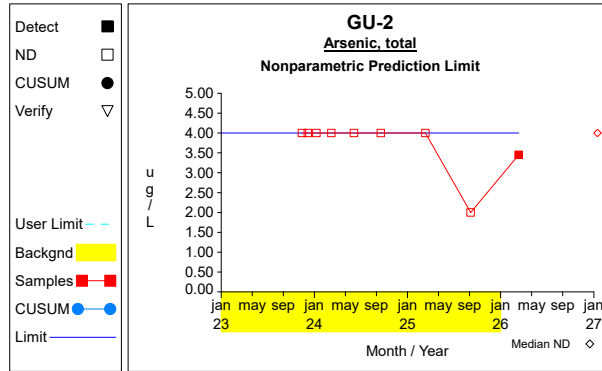
Constituent	Units	Well	N(back)	N(mon)	N(tot)	Mean	SD	R(i-1)	R(i)	S(i-1)	S(i)	Limit	Type	Conf	
Antimony, total	ug/L	GU-2	8	1	9	2.4875	0.9746	1.7000	1.3000		2.4875	8.8223	normal		
Arsenic, total	ug/L	GU-2	8	1	9			4.0000	3.4500			4.0000	nonpar	.99	**
Barium, total	ug/L	GU-2	8	1	9	182.0750	45.7957	203.0000	82.4000		182.0750	479.7470	normal		
Beryllium, total	ug/L	GU-2	8	1	9			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-2	8	1	9			0.8000	0.2000			0.8000	nonpar	.99	**
Chromium, total	ug/L	GU-2	8	1	9			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-2	8	1	9	1.4875	1.4004	0.4000	0.5000		1.4875	10.5904	normal		
Copper, total	ug/L	GU-2	8	1	9			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	GU-2	8	1	9			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	GU-2	8	1	9	22.7125	10.3412	5.0000	11.7000		22.7125	89.9306	normal		
Selenium, total	ug/L	GU-2	8	1	9	208.6875	401.4108	5.5000	667.0000		265.5892	2817.8578	normal		
Silver, total	ug/L	GU-2	8	1	9			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-2	8	1	9			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-2	8	1	9			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-2	8	1	9	340.1125	312.5039	7.4000	72.5000		340.1125	2371.3880	normal		
Antimony, total	ug/L	GU-A	8	0	8	4.1000	3.5112	1.0000	1.0000			26.9228	normal		
Arsenic, total	ug/L	GU-A	8	0	8			4.0000	4.0000			4.0000	nonpar	.99	**
Barium, total	ug/L	GU-A	7	0	8									*	
Beryllium, total	ug/L	GU-A	8	0	8			4.0000	4.0000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-A	8	0	8	0.8666	0.3213	0.9000	0.3330			2.9550	normal		
Chromium, total	ug/L	GU-A	8	0	8			8.0000	8.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-A	8	0	8	1.0000	1.0889	0.6000	0.4000			8.0779	normal		
Copper, total	ug/L	GU-A	8	0	8			4.0000	4.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	GU-A	8	0	8			4.0000	4.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	GU-A	8	0	8	43.0750	17.2073	46.2000	28.2000			154.9224	normal		
Selenium, total	ug/L	GU-A	8	0	8	13.4250	10.9106	2.0000	2.0000			84.3442	normal		
Silver, total	ug/L	GU-A	8	0	8			4.0000	4.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-A	8	0	8			2.0000	2.0000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-A	8	0	8			20.0000	20.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-A	8	0	8	700.9750	589.4421	362.0000	76.8000			4532.3484	normal		
Antimony, total	ug/L	GU-B	8	1	9	4.7500	2.6110	2.0000	1.1100		4.7500	21.7213	normal		
Arsenic, total	ug/L	GU-B	8	1	9			4.0000	2.0000			4.4000	nonpar	.99	**
Barium, total	ug/L	GU-B	8	1	9	136.2750	115.8919	339.0000	204.0000		136.2750	889.5724	normal		
Beryllium, total	ug/L	GU-B	8	1	9			4.0000	0.5000			4.0000	nonpar	.99	**
Cadmium, total	ug/L	GU-B	8	1	9	0.9000	0.3546	0.4000	0.9210		0.9000	3.2047	normal		
Chromium, total	ug/L	GU-B	8	1	9			8.0000	1.0000			8.0000	nonpar	.99	**
Cobalt, total	ug/L	GU-B	8	1	9	2.0000	3.3402	0.4000	0.5000		2.0000	23.7115	normal		
Copper, total	ug/L	GU-B	8	1	9			4.0000	5.0000			4.0000	nonpar	.99	**
Lead, total	ug/L	GU-B	8	1	9			4.0000	1.0000			4.0000	nonpar	.99	**
Nickel, total	ug/L	GU-B	8	1	9	26.4750	15.6088	10.0000	10.1000		26.4750	127.9320	normal		
Selenium, total	ug/L	GU-B	8	1	9	13.7750	11.3210	2.0000	19.4000		13.7750	87.3615	normal		
Silver, total	ug/L	GU-B	8	1	9			4.0000	5.0000			4.0000	nonpar	.99	**
Thallium, total	ug/L	GU-B	8	1	9			2.0000	0.5000			2.0000	nonpar	.99	**
Vanadium, total	ug/L	GU-B	8	1	9			20.0000	2.0000			20.0000	nonpar	.99	**
Zinc, total	ug/L	GU-B	8	1	9	217.7875	278.7481	30.7000	48.9000		217.7875	2029.6504	normal		

N(back) and N(mon) = Non-outlier measurements in the background and monitoring periods.  
 N(tot) = All independent measurements for that constituent and well.  
 For transformed data, mean and SD in transformed units and control limit in original units.  
 Conf = confidence level for passing initial test or one of two verification resamples (nonparametric test only).  
 \* - Insufficient Data.  
 \*\* - Detection Frequency < 25%.  
 \*\*\* - Zero Variance.

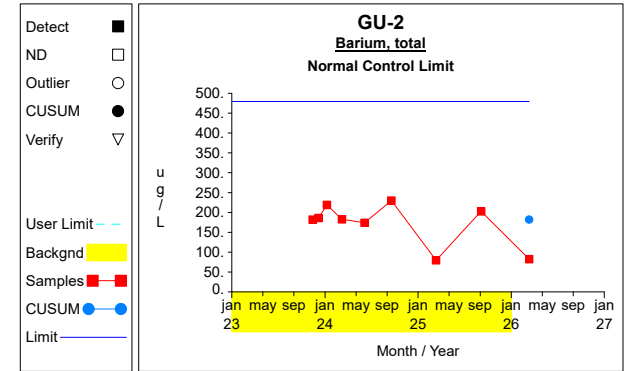
## Intra-Well Control Charts / Prediction Limits



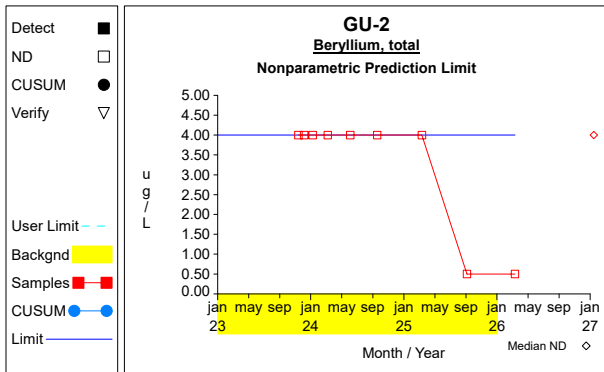
Graph 1



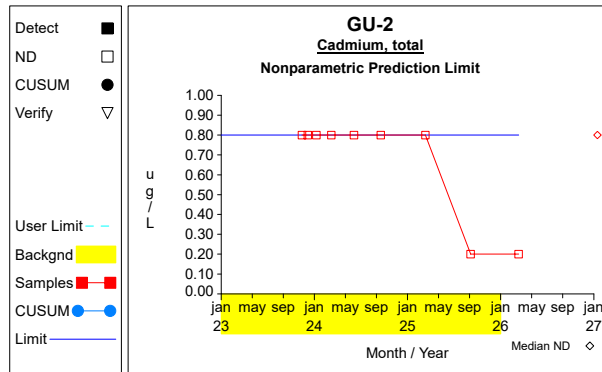
Graph 2



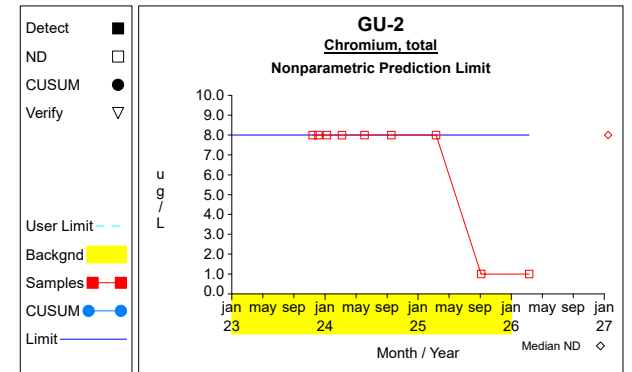
Graph 3



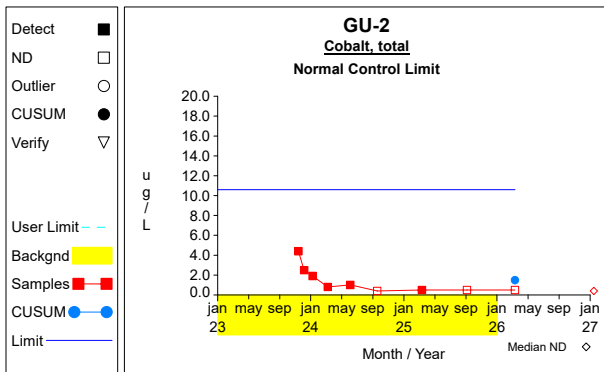
Graph 4



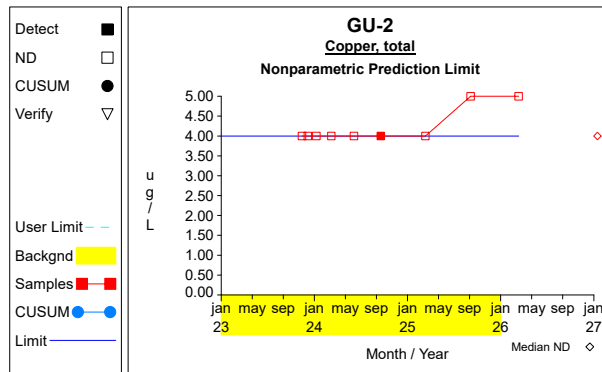
Graph 5



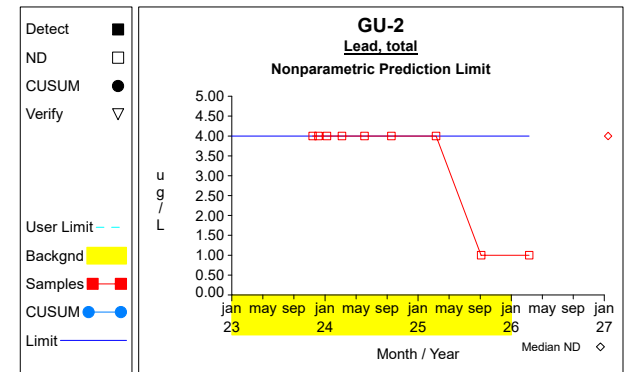
Graph 6



Graph 7

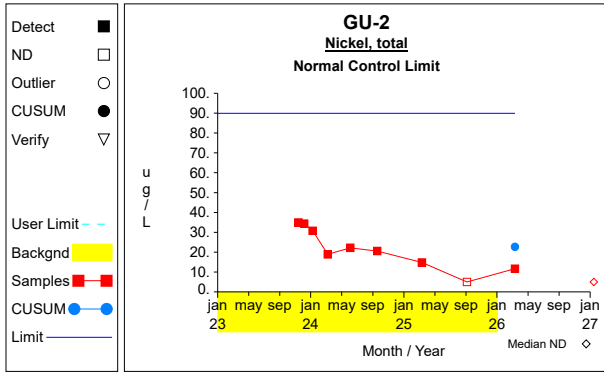


Graph 8

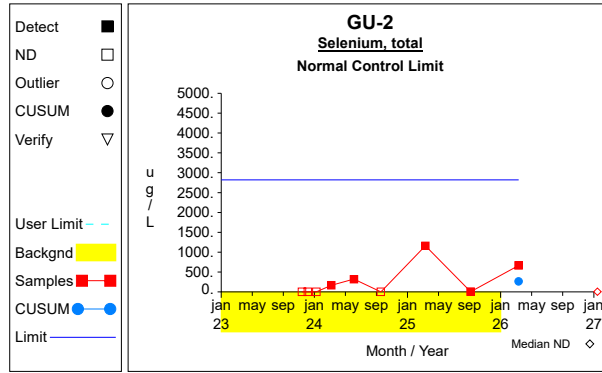


Graph 9

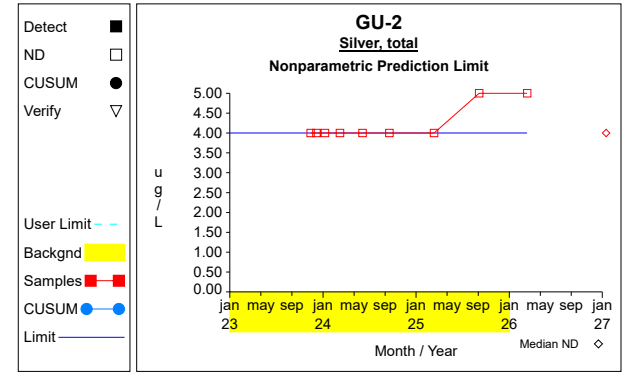
## Intra-Well Control Charts / Prediction Limits



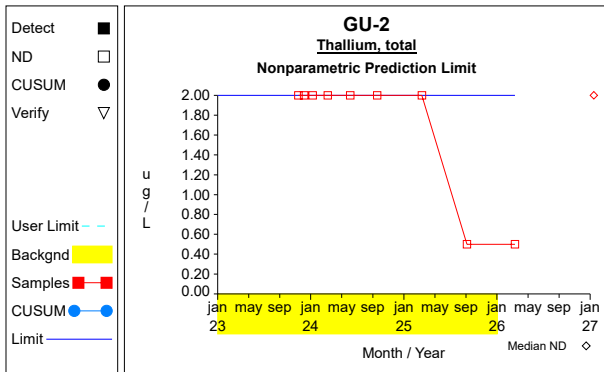
**Graph 10**



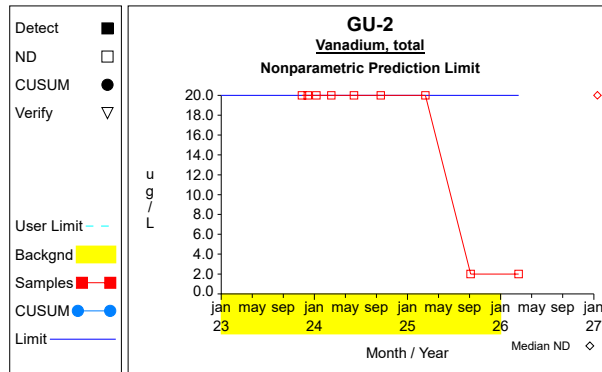
**Graph 11**



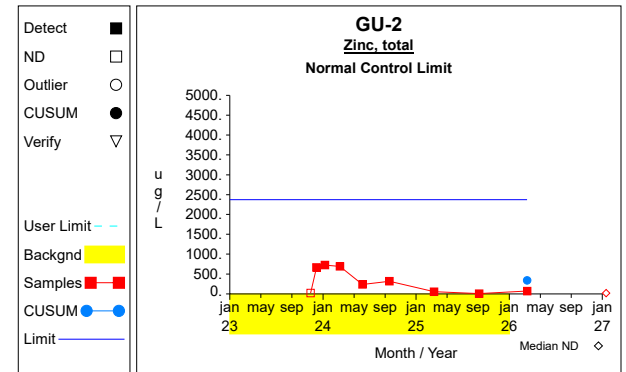
**Graph 12**



**Graph 13**

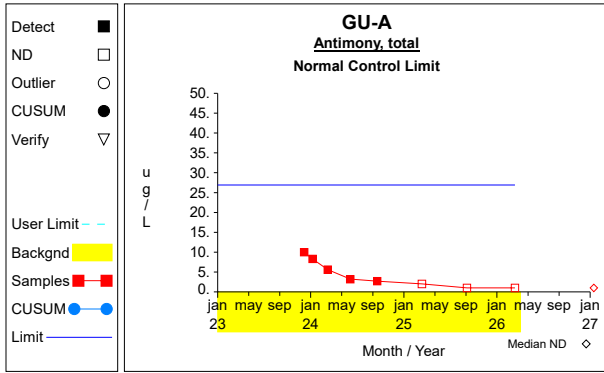


**Graph 14**

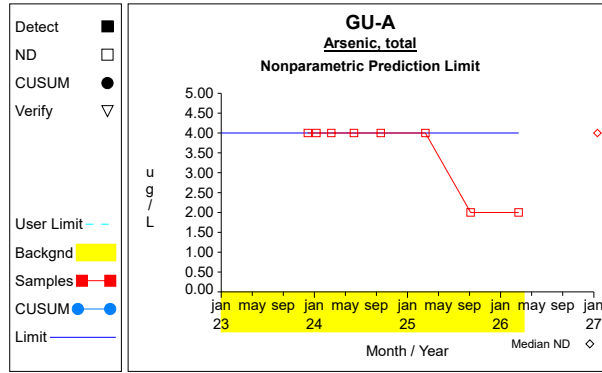


**Graph 15**

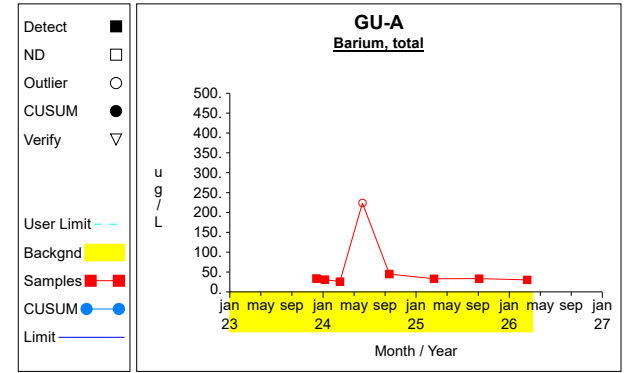
## Intra-Well Control Charts / Prediction Limits



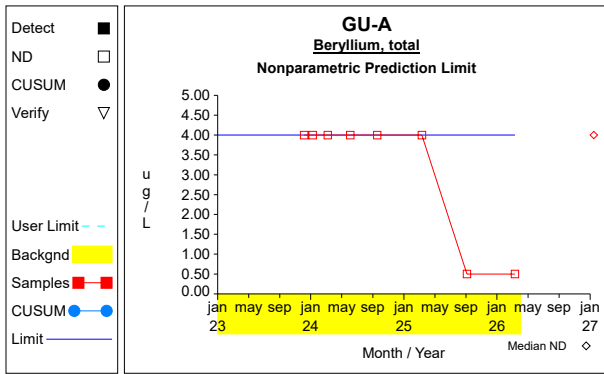
**Graph 16**



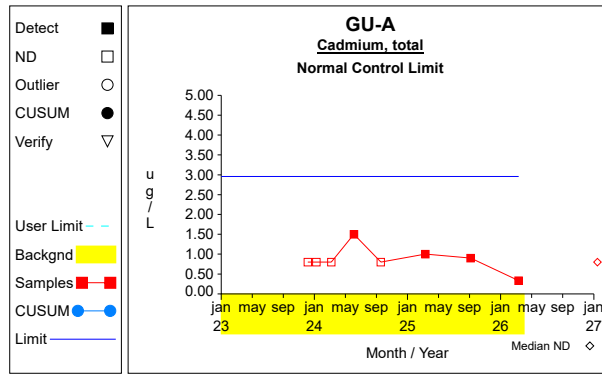
**Graph 17**



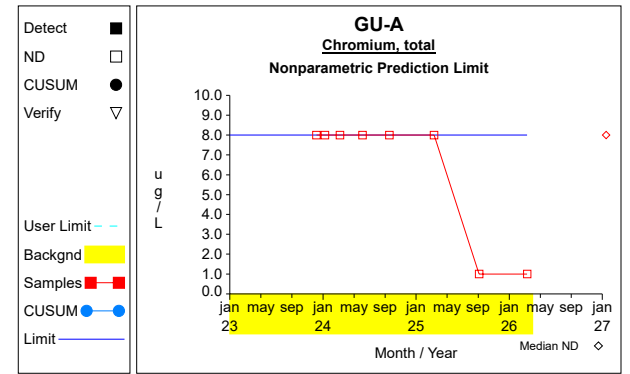
**Graph 18**



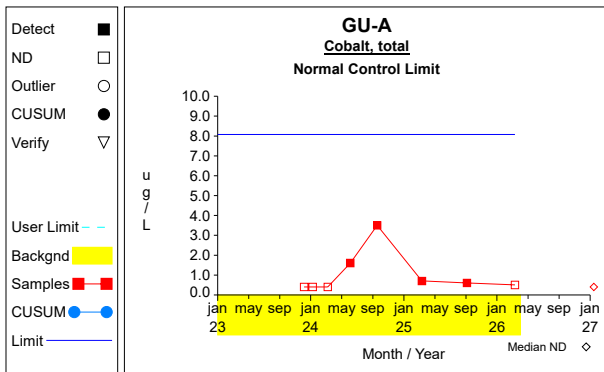
**Graph 19**



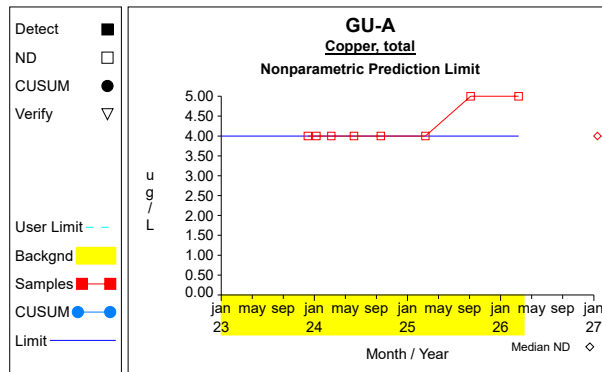
**Graph 20**



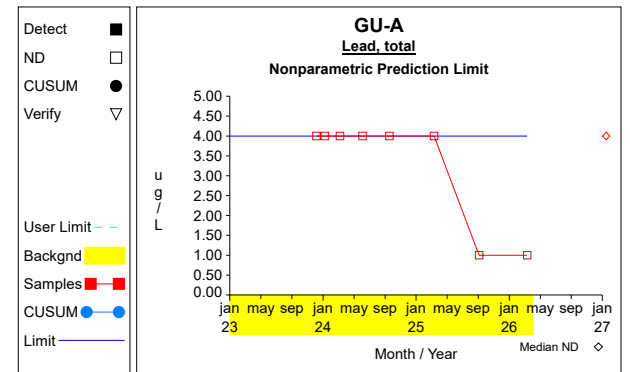
**Graph 21**



**Graph 22**

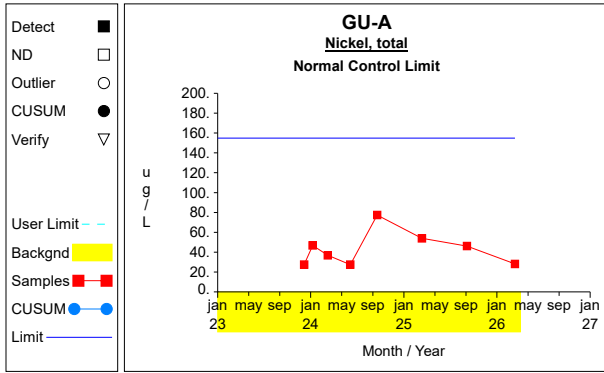


**Graph 23**

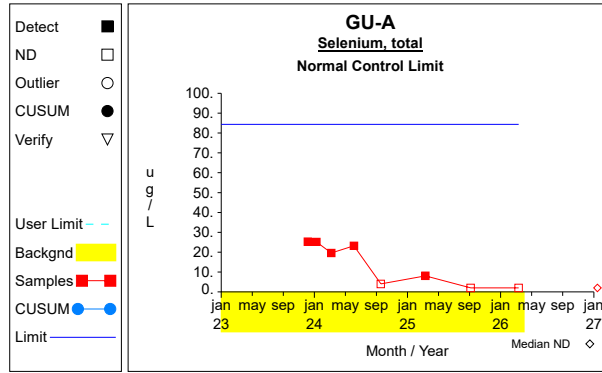


**Graph 24**

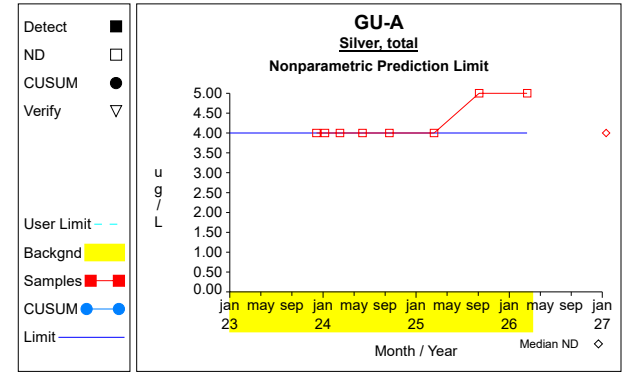
## Intra-Well Control Charts / Prediction Limits



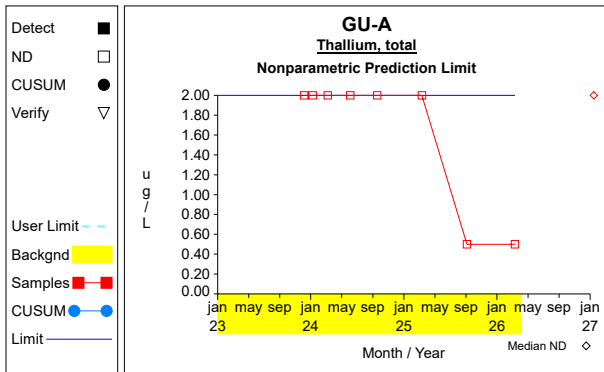
**Graph 25**



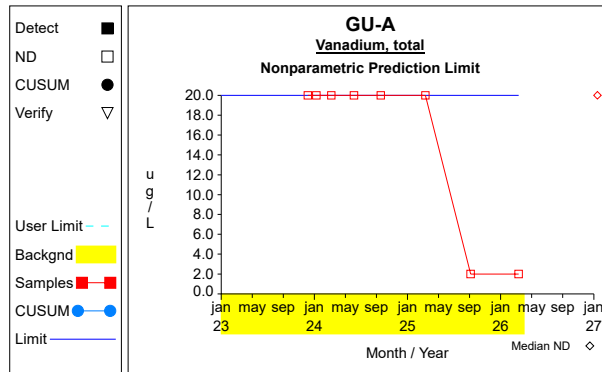
**Graph 26**



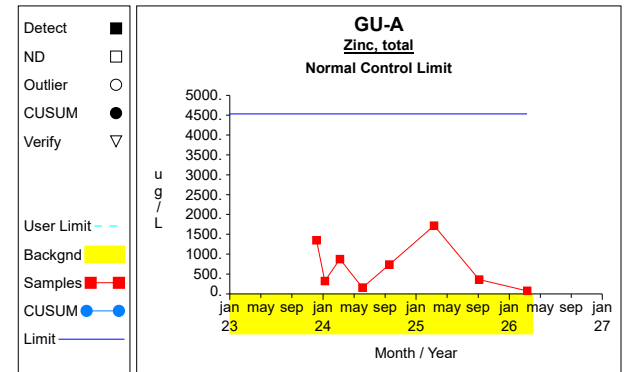
**Graph 27**



**Graph 28**

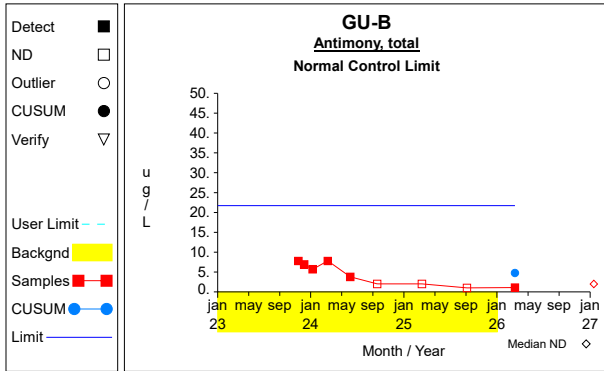


**Graph 29**

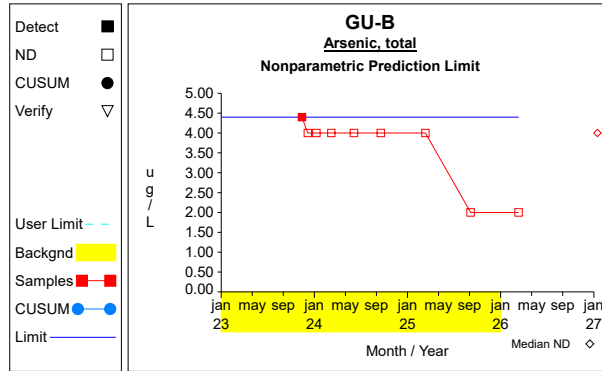


**Graph 30**

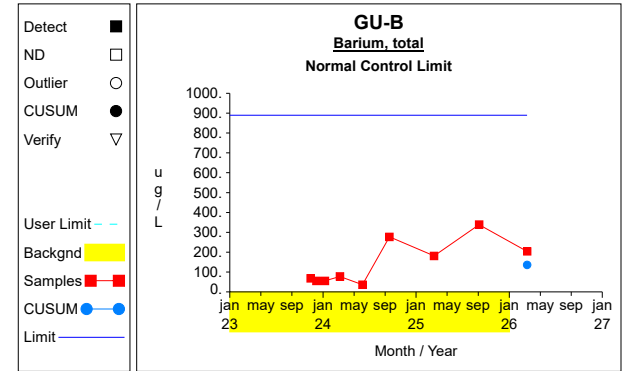
## Intra-Well Control Charts / Prediction Limits



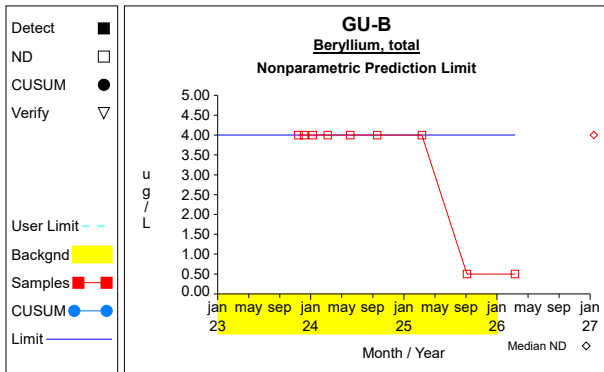
Graph 31



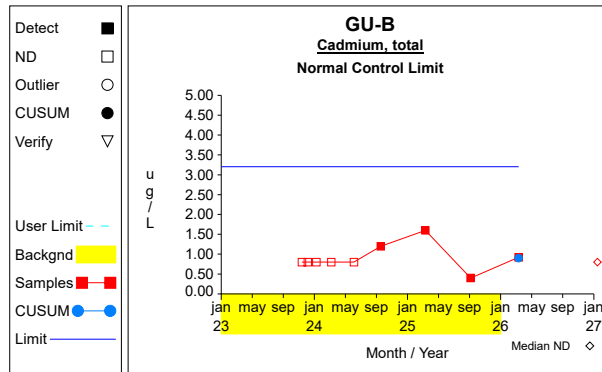
Graph 32



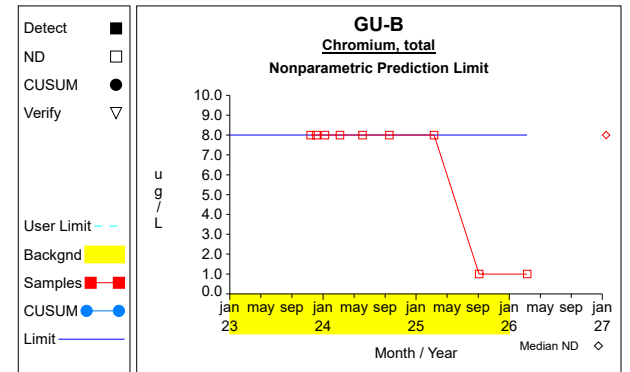
Graph 33



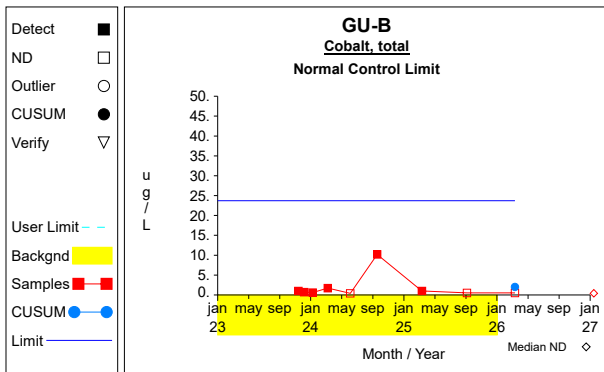
Graph 34



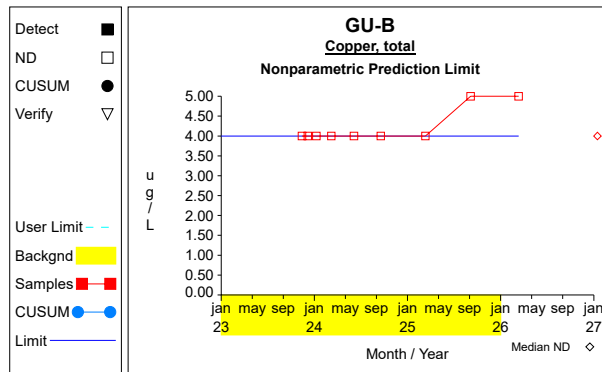
Graph 35



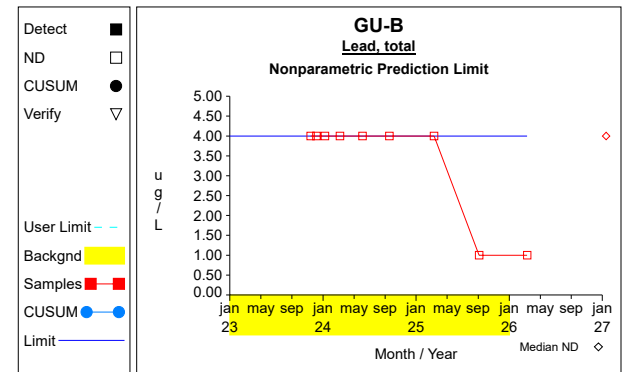
Graph 36



Graph 37

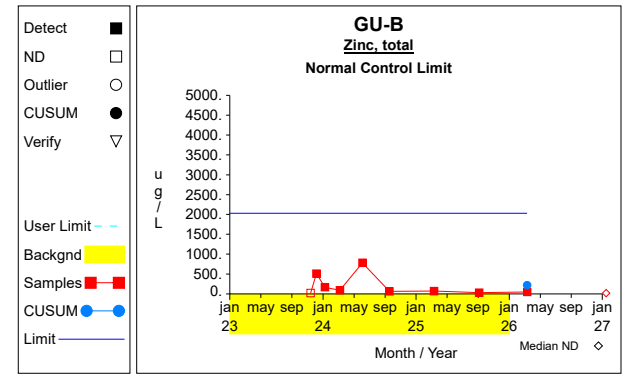
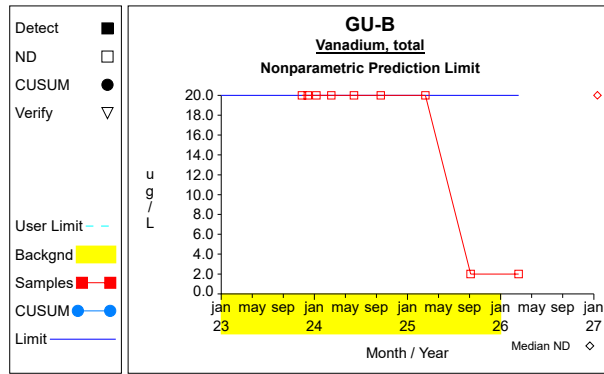
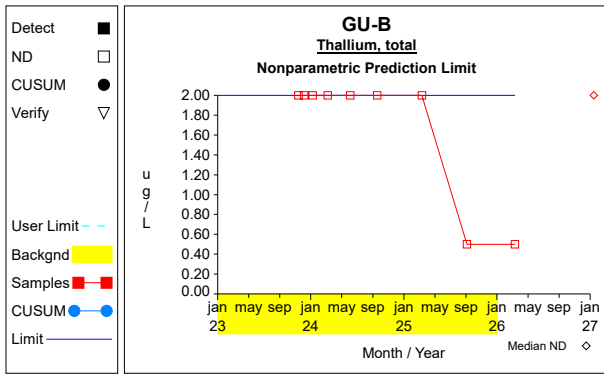
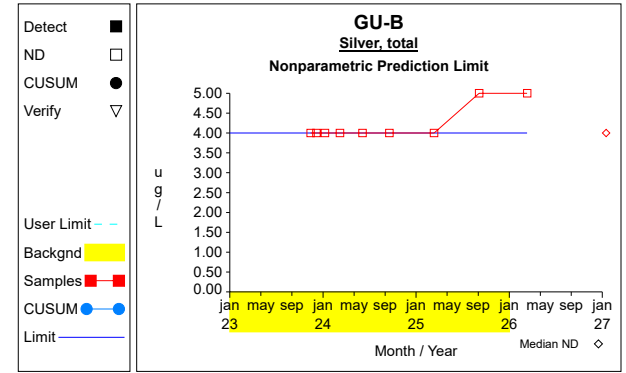
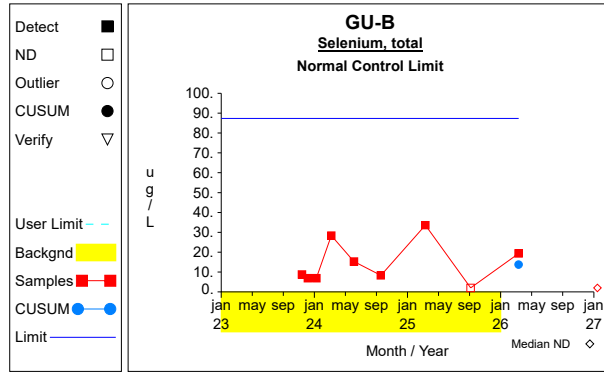
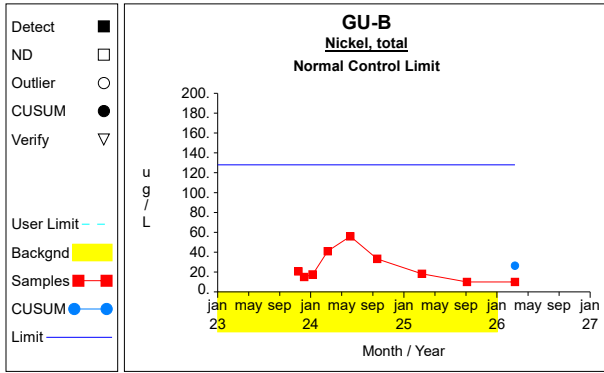


Graph 38



Graph 39

## Intra-Well Control Charts / Prediction Limits



# False Positive and False Negative Rates for Current Intra-Well Control Charts Monitoring Program

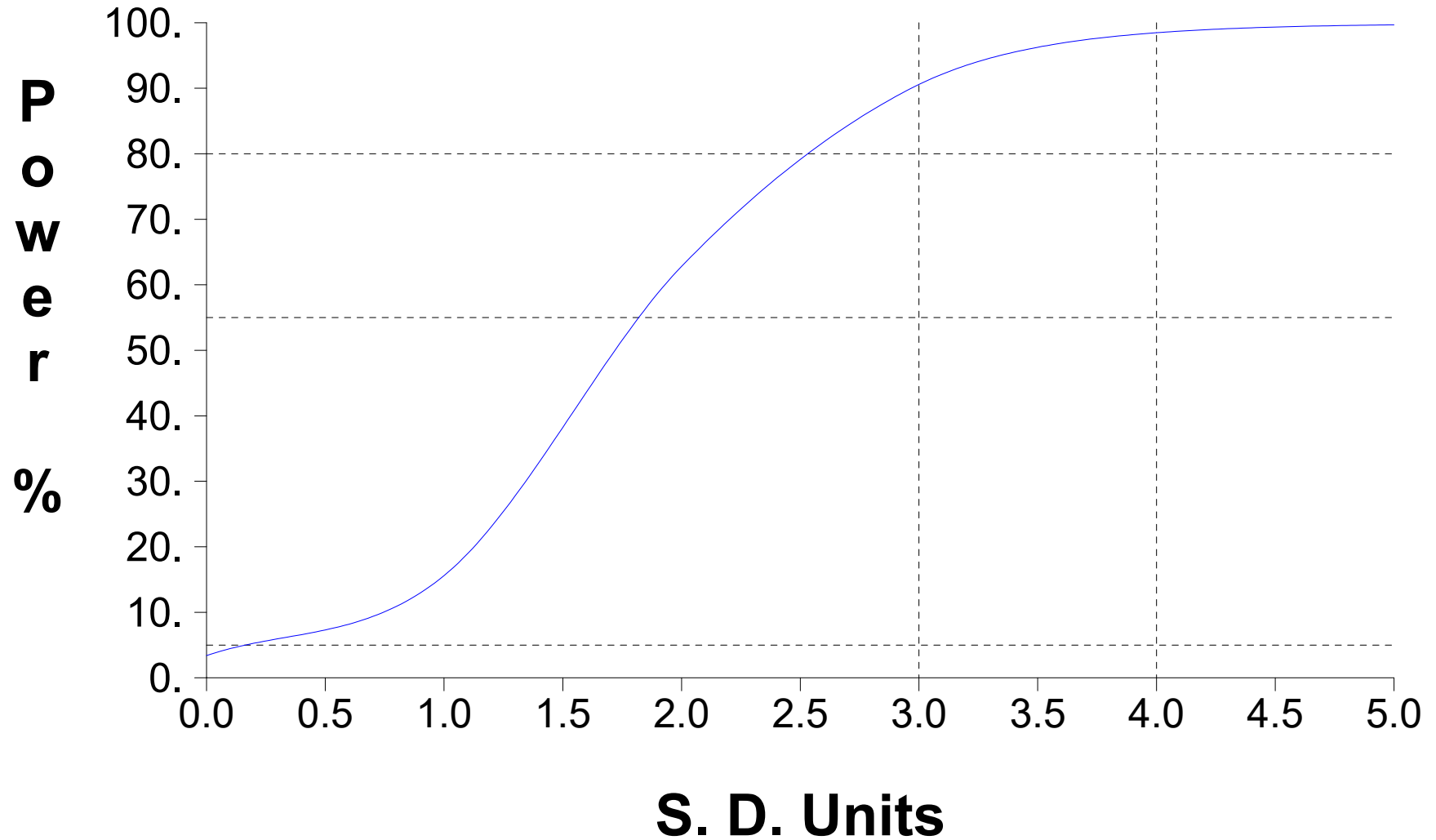


Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony, total	ug/L	GU-2	11/13/2023	yes	4.7000					
Antimony, total	ug/L	GU-2	12/05/2023	yes	2.9000					
Antimony, total	ug/L	GU-2	01/08/2024	yes	2.0000					
Antimony, total	ug/L	GU-2	03/06/2024	yes	2.0000					
Antimony, total	ug/L	GU-2	06/03/2024	yes	2.6000					
Antimony, total	ug/L	GU-2	09/18/2024	yes	2.0000	ND				
Antimony, total	ug/L	GU-2	03/10/2025	yes	2.0000	ND				
Antimony, total	ug/L	GU-2	09/04/2025	yes	1.7000					
Antimony, total	ug/L	GU-2	03/10/2026		1.3000			2.4875		
Arsenic, total	ug/L	GU-2	11/13/2023	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	12/05/2023	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	01/08/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	03/06/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	06/03/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	09/18/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	03/10/2025	yes	4.0000	ND				
Arsenic, total	ug/L	GU-2	09/04/2025	yes	2.0000	ND			4.0000	***
Arsenic, total	ug/L	GU-2	03/10/2026		3.4500					
Barium, total	ug/L	GU-2	11/13/2023	yes	182.0000					
Barium, total	ug/L	GU-2	12/05/2023	yes	186.0000					
Barium, total	ug/L	GU-2	01/08/2024	yes	219.0000					
Barium, total	ug/L	GU-2	03/06/2024	yes	183.0000					
Barium, total	ug/L	GU-2	06/03/2024	yes	174.0000					
Barium, total	ug/L	GU-2	09/18/2024	yes	230.0000					
Barium, total	ug/L	GU-2	03/10/2025	yes	79.6000					
Barium, total	ug/L	GU-2	09/04/2025	yes	203.0000					
Barium, total	ug/L	GU-2	03/10/2026		82.4000			182.0750		
Beryllium, total	ug/L	GU-2	11/13/2023	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	12/05/2023	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	01/08/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	03/06/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	06/03/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	09/18/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	03/10/2025	yes	4.0000	ND				
Beryllium, total	ug/L	GU-2	09/04/2025	yes	0.5000	ND			4.0000	***
Beryllium, total	ug/L	GU-2	03/10/2026		0.5000	ND				
Cadmium, total	ug/L	GU-2	11/13/2023	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	12/05/2023	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	01/08/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	03/06/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	06/03/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	09/18/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	03/10/2025	yes	0.8000	ND				
Cadmium, total	ug/L	GU-2	09/04/2025	yes	0.2000	ND			0.8000	***
Cadmium, total	ug/L	GU-2	03/10/2026		0.2000	ND				
Chromium, total	ug/L	GU-2	11/13/2023	yes	8.0000	ND				
Chromium, total	ug/L	GU-2	12/05/2023	yes	8.0000	ND				
Chromium, total	ug/L	GU-2	01/08/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-2	03/06/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-2	06/03/2024	yes	8.0000	ND				

\* - Outlier for that well and constituent.  
 \*\* - Non-outlier detected sample Result and / or CUSUM value exceeds limit.  
 \*\*\* - ND value replaced with median RL.  
 \*\*\*\* - ND value replaced with manual RL.  
 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, total	ug/L	GU-2	09/18/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-2	03/10/2025	yes	8.0000	ND				
Chromium, total	ug/L	GU-2	09/04/2025	yes	1.0000	ND			8.0000	***
Chromium, total	ug/L	GU-2	03/10/2026		1.0000	ND				
Cobalt, total	ug/L	GU-2	11/13/2023	yes	4.4000					
Cobalt, total	ug/L	GU-2	12/05/2023	yes	2.5000					
Cobalt, total	ug/L	GU-2	01/08/2024	yes	1.9000					
Cobalt, total	ug/L	GU-2	03/06/2024	yes	0.8000					
Cobalt, total	ug/L	GU-2	06/03/2024	yes	1.0000					
Cobalt, total	ug/L	GU-2	09/18/2024	yes	0.4000	ND				
Cobalt, total	ug/L	GU-2	03/10/2025	yes	0.5000					
Cobalt, total	ug/L	GU-2	09/04/2025	yes	0.5000	ND			0.4000	***
Cobalt, total	ug/L	GU-2	03/10/2026		0.5000	ND		1.4875		
Copper, total	ug/L	GU-2	11/13/2023	yes	4.0000	ND				
Copper, total	ug/L	GU-2	12/05/2023	yes	4.0000	ND				
Copper, total	ug/L	GU-2	01/08/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-2	03/06/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-2	06/03/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-2	09/18/2024	yes	4.0000					
Copper, total	ug/L	GU-2	03/10/2025	yes	4.0000	ND				
Copper, total	ug/L	GU-2	09/04/2025	yes	5.0000	ND			4.0000	***
Copper, total	ug/L	GU-2	03/10/2026		5.0000	ND				
Lead, total	ug/L	GU-2	11/13/2023	yes	4.0000	ND				
Lead, total	ug/L	GU-2	12/05/2023	yes	4.0000	ND				
Lead, total	ug/L	GU-2	01/08/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-2	03/06/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-2	06/03/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-2	09/18/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-2	03/10/2025	yes	4.0000	ND				
Lead, total	ug/L	GU-2	09/04/2025	yes	1.0000	ND			4.0000	***
Lead, total	ug/L	GU-2	03/10/2026		1.0000	ND				
Nickel, total	ug/L	GU-2	11/13/2023	yes	35.0000					
Nickel, total	ug/L	GU-2	12/05/2023	yes	34.4000					
Nickel, total	ug/L	GU-2	01/08/2024	yes	30.8000					
Nickel, total	ug/L	GU-2	03/06/2024	yes	18.9000					
Nickel, total	ug/L	GU-2	06/03/2024	yes	22.2000					
Nickel, total	ug/L	GU-2	09/18/2024	yes	20.6000					
Nickel, total	ug/L	GU-2	03/10/2025	yes	14.8000					
Nickel, total	ug/L	GU-2	09/04/2025	yes	5.0000	ND				
Nickel, total	ug/L	GU-2	03/10/2026		11.7000			22.7125		
Selenium, total	ug/L	GU-2	11/13/2023	yes	4.0000	ND				
Selenium, total	ug/L	GU-2	12/05/2023	yes	4.0000	ND				
Selenium, total	ug/L	GU-2	01/08/2024	yes	4.0000	ND				
Selenium, total	ug/L	GU-2	03/06/2024	yes	168.0000					
Selenium, total	ug/L	GU-2	06/03/2024	yes	320.0000					
Selenium, total	ug/L	GU-2	09/18/2024	yes	4.0000	ND				
Selenium, total	ug/L	GU-2	03/10/2025	yes	1160.0000					
Selenium, total	ug/L	GU-2	09/04/2025	yes	5.5000					
Selenium, total	ug/L	GU-2	03/10/2026		667.0000			265.5892		
Silver, total	ug/L	GU-2	11/13/2023	yes	4.0000	ND				

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 \*\*\* - ND value replaced with median RL.  
 \*\*\*\* - ND value replaced with manual RL.  
 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Silver, total	ug/L	GU-2	12/05/2023	yes	4.0000	ND				
Silver, total	ug/L	GU-2	01/08/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-2	03/06/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-2	06/03/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-2	09/18/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-2	03/10/2025	yes	4.0000	ND				
Silver, total	ug/L	GU-2	09/04/2025	yes	5.0000	ND			4.0000	***
Silver, total	ug/L	GU-2	03/10/2026	yes	5.0000	ND				
Thallium, total	ug/L	GU-2	11/13/2023	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	12/05/2023	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	01/08/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	03/06/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	06/03/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	09/18/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	03/10/2025	yes	2.0000	ND				
Thallium, total	ug/L	GU-2	09/04/2025	yes	0.5000	ND			2.0000	***
Thallium, total	ug/L	GU-2	03/10/2026	yes	0.5000	ND				
Vanadium, total	ug/L	GU-2	11/13/2023	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	12/05/2023	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	01/08/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	03/06/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	06/03/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	09/18/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	03/10/2025	yes	20.0000	ND				
Vanadium, total	ug/L	GU-2	09/04/2025	yes	2.0000	ND			20.0000	***
Vanadium, total	ug/L	GU-2	03/10/2026	yes	2.0000	ND				
Zinc, total	ug/L	GU-2	11/13/2023	yes	20.0000	ND				
Zinc, total	ug/L	GU-2	12/05/2023	yes	666.0000					
Zinc, total	ug/L	GU-2	01/08/2024	yes	725.0000					
Zinc, total	ug/L	GU-2	03/06/2024	yes	691.0000					
Zinc, total	ug/L	GU-2	06/03/2024	yes	238.0000					
Zinc, total	ug/L	GU-2	09/18/2024	yes	320.0000					
Zinc, total	ug/L	GU-2	03/10/2025	yes	53.5000					
Zinc, total	ug/L	GU-2	09/04/2025	yes	7.4000					
Zinc, total	ug/L	GU-2	03/10/2026	yes	72.5000			340.1125		
Antimony, total	ug/L	GU-A	12/05/2023	yes	10.0000					
Antimony, total	ug/L	GU-A	01/08/2024	yes	8.3000					
Antimony, total	ug/L	GU-A	03/06/2024	yes	5.6000					
Antimony, total	ug/L	GU-A	06/03/2024	yes	3.2000					
Antimony, total	ug/L	GU-A	09/18/2024	yes	2.7000					
Antimony, total	ug/L	GU-A	03/10/2025	yes	2.0000	ND			1.0000	***
Antimony, total	ug/L	GU-A	09/04/2025	yes	1.0000	ND				
Antimony, total	ug/L	GU-A	03/10/2026	yes	1.0000	ND				
Arsenic, total	ug/L	GU-A	12/05/2023	yes	4.0000	ND				
Arsenic, total	ug/L	GU-A	01/08/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-A	03/06/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-A	06/03/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-A	09/18/2024	yes	4.0000	ND				
Arsenic, total	ug/L	GU-A	03/10/2025	yes	4.0000	ND				
Arsenic, total	ug/L	GU-A	09/04/2025	yes	2.0000	ND			4.0000	***

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 \*\*\* - ND value replaced with median RL.  
 \*\*\*\* - ND value replaced with manual RL.  
 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic, total	ug/L	GU-A	03/10/2026	yes	2.0000	ND			4.0000	***
Barium, total	ug/L	GU-A	12/05/2023	yes	34.0000					
Barium, total	ug/L	GU-A	01/08/2024	yes	31.2000					
Barium, total	ug/L	GU-A	03/06/2024	yes	25.8000					
Barium, total	ug/L	GU-A	06/03/2024	yes	224.0000		yes			*
Barium, total	ug/L	GU-A	09/18/2024	yes	44.8000					
Barium, total	ug/L	GU-A	03/10/2025	yes	33.3000					
Barium, total	ug/L	GU-A	09/04/2025	yes	33.6000					
Barium, total	ug/L	GU-A	03/10/2026	yes	30.3000					
Beryllium, total	ug/L	GU-A	12/05/2023	yes	4.0000	ND				
Beryllium, total	ug/L	GU-A	01/08/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-A	03/06/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-A	06/03/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-A	09/18/2024	yes	4.0000	ND				
Beryllium, total	ug/L	GU-A	03/10/2025	yes	4.0000	ND				
Beryllium, total	ug/L	GU-A	09/04/2025	yes	0.5000	ND			4.0000	***
Beryllium, total	ug/L	GU-A	03/10/2026	yes	0.5000	ND			4.0000	***
Cadmium, total	ug/L	GU-A	12/05/2023	yes	0.8000	ND				
Cadmium, total	ug/L	GU-A	01/08/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-A	03/06/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-A	06/03/2024	yes	1.5000					
Cadmium, total	ug/L	GU-A	09/18/2024	yes	0.8000	ND				
Cadmium, total	ug/L	GU-A	03/10/2025	yes	1.0000					
Cadmium, total	ug/L	GU-A	09/04/2025	yes	0.9000					
Cadmium, total	ug/L	GU-A	03/10/2026	yes	0.3330					
Chromium, total	ug/L	GU-A	12/05/2023	yes	8.0000	ND				
Chromium, total	ug/L	GU-A	01/08/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-A	03/06/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-A	06/03/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-A	09/18/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-A	03/10/2025	yes	8.0000	ND				
Chromium, total	ug/L	GU-A	09/04/2025	yes	1.0000	ND			8.0000	***
Chromium, total	ug/L	GU-A	03/10/2026	yes	1.0000	ND			8.0000	***
Cobalt, total	ug/L	GU-A	12/05/2023	yes	0.4000	ND				
Cobalt, total	ug/L	GU-A	01/08/2024	yes	0.4000	ND				
Cobalt, total	ug/L	GU-A	03/06/2024	yes	0.4000	ND				
Cobalt, total	ug/L	GU-A	06/03/2024	yes	1.6000					
Cobalt, total	ug/L	GU-A	09/18/2024	yes	3.5000					
Cobalt, total	ug/L	GU-A	03/10/2025	yes	0.7000					
Cobalt, total	ug/L	GU-A	09/04/2025	yes	0.6000					
Cobalt, total	ug/L	GU-A	03/10/2026	yes	0.5000	ND			0.4000	***
Copper, total	ug/L	GU-A	12/05/2023	yes	4.0000	ND				
Copper, total	ug/L	GU-A	01/08/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-A	03/06/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-A	06/03/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-A	09/18/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-A	03/10/2025	yes	4.0000	ND				
Copper, total	ug/L	GU-A	09/04/2025	yes	5.0000	ND			4.0000	***
Copper, total	ug/L	GU-A	03/10/2026	yes	5.0000	ND			4.0000	***
Lead, total	ug/L	GU-A	12/05/2023	yes	4.0000	ND				

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 \*\*\*\* - ND value replaced with manual RL.  
 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead, total	ug/L	GU-A	01/08/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-A	03/06/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-A	06/03/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-A	09/18/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-A	03/10/2025	yes	4.0000	ND				
Lead, total	ug/L	GU-A	09/04/2025	yes	1.0000	ND			4.0000	***
Lead, total	ug/L	GU-A	03/10/2026	yes	1.0000	ND			4.0000	***
Nickel, total	ug/L	GU-A	12/05/2023	yes	27.5000					
Nickel, total	ug/L	GU-A	01/08/2024	yes	46.8000					
Nickel, total	ug/L	GU-A	03/06/2024	yes	36.9000					
Nickel, total	ug/L	GU-A	06/03/2024	yes	27.5000					
Nickel, total	ug/L	GU-A	09/18/2024	yes	77.5000					
Nickel, total	ug/L	GU-A	03/10/2025	yes	54.0000					
Nickel, total	ug/L	GU-A	09/04/2025	yes	46.2000					
Nickel, total	ug/L	GU-A	03/10/2026	yes	28.2000					
Selenium, total	ug/L	GU-A	12/05/2023	yes	25.3000					
Selenium, total	ug/L	GU-A	01/08/2024	yes	25.2000					
Selenium, total	ug/L	GU-A	03/06/2024	yes	19.6000					
Selenium, total	ug/L	GU-A	06/03/2024	yes	23.2000					
Selenium, total	ug/L	GU-A	09/18/2024	yes	4.0000	ND			2.0000	***
Selenium, total	ug/L	GU-A	03/10/2025	yes	8.1000					
Selenium, total	ug/L	GU-A	09/04/2025	yes	2.0000	ND				
Selenium, total	ug/L	GU-A	03/10/2026	yes	2.0000	ND				
Silver, total	ug/L	GU-A	12/05/2023	yes	4.0000	ND				
Silver, total	ug/L	GU-A	01/08/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-A	03/06/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-A	06/03/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-A	09/18/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-A	03/10/2025	yes	4.0000	ND				
Silver, total	ug/L	GU-A	09/04/2025	yes	5.0000	ND			4.0000	***
Silver, total	ug/L	GU-A	03/10/2026	yes	5.0000	ND			4.0000	***
Thallium, total	ug/L	GU-A	12/05/2023	yes	2.0000	ND				
Thallium, total	ug/L	GU-A	01/08/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-A	03/06/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-A	06/03/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-A	09/18/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-A	03/10/2025	yes	2.0000	ND				
Thallium, total	ug/L	GU-A	09/04/2025	yes	0.5000	ND			2.0000	***
Thallium, total	ug/L	GU-A	03/10/2026	yes	0.5000	ND			2.0000	***
Vanadium, total	ug/L	GU-A	12/05/2023	yes	20.0000	ND				
Vanadium, total	ug/L	GU-A	01/08/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-A	03/06/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-A	06/03/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-A	09/18/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-A	03/10/2025	yes	20.0000	ND				
Vanadium, total	ug/L	GU-A	09/04/2025	yes	2.0000	ND			20.0000	***
Vanadium, total	ug/L	GU-A	03/10/2026	yes	2.0000	ND			20.0000	***
Zinc, total	ug/L	GU-A	12/05/2023	yes	1350.0000					
Zinc, total	ug/L	GU-A	01/08/2024	yes	323.0000					
Zinc, total	ug/L	GU-A	03/06/2024	yes	877.0000					

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 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result	Outlier	CUSUM	Adjusted	
Zinc, total	ug/L	GU-A	06/03/2024	yes	160.0000				
Zinc, total	ug/L	GU-A	09/18/2024	yes	739.0000				
Zinc, total	ug/L	GU-A	03/10/2025	yes	1720.0000				
Zinc, total	ug/L	GU-A	09/04/2025	yes	362.0000				
Zinc, total	ug/L	GU-A	03/10/2026	yes	76.8000				
Antimony, total	ug/L	GU-B	11/13/2023	yes	7.8000				
Antimony, total	ug/L	GU-B	12/05/2023	yes	6.9000				
Antimony, total	ug/L	GU-B	01/08/2024	yes	5.7000				
Antimony, total	ug/L	GU-B	03/06/2024	yes	7.8000				
Antimony, total	ug/L	GU-B	06/03/2024	yes	3.8000				
Antimony, total	ug/L	GU-B	09/18/2024	yes	2.0000	ND			
Antimony, total	ug/L	GU-B	03/10/2025	yes	2.0000	ND			
Antimony, total	ug/L	GU-B	09/04/2025	yes	1.0000	ND		2.0000	***
Antimony, total	ug/L	GU-B	03/10/2026		1.1100		4.7500		
Arsenic, total	ug/L	GU-B	11/13/2023	yes	4.4000				
Arsenic, total	ug/L	GU-B	12/05/2023	yes	4.0000	ND			
Arsenic, total	ug/L	GU-B	01/08/2024	yes	4.0000	ND			
Arsenic, total	ug/L	GU-B	03/06/2024	yes	4.0000	ND			
Arsenic, total	ug/L	GU-B	06/03/2024	yes	4.0000	ND			
Arsenic, total	ug/L	GU-B	09/18/2024	yes	4.0000	ND			
Arsenic, total	ug/L	GU-B	03/10/2025	yes	4.0000	ND			
Arsenic, total	ug/L	GU-B	09/04/2025	yes	2.0000	ND		4.0000	***
Arsenic, total	ug/L	GU-B	03/10/2026		2.0000	ND			
Barium, total	ug/L	GU-B	11/13/2023	yes	68.4000				
Barium, total	ug/L	GU-B	12/05/2023	yes	55.3000				
Barium, total	ug/L	GU-B	01/08/2024	yes	55.3000				
Barium, total	ug/L	GU-B	03/06/2024	yes	77.8000				
Barium, total	ug/L	GU-B	06/03/2024	yes	36.4000				
Barium, total	ug/L	GU-B	09/18/2024	yes	277.0000				
Barium, total	ug/L	GU-B	03/10/2025	yes	181.0000				
Barium, total	ug/L	GU-B	09/04/2025	yes	339.0000				
Barium, total	ug/L	GU-B	03/10/2026		204.0000		136.2750		
Beryllium, total	ug/L	GU-B	11/13/2023	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	12/05/2023	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	01/08/2024	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	03/06/2024	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	06/03/2024	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	09/18/2024	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	03/10/2025	yes	4.0000	ND			
Beryllium, total	ug/L	GU-B	09/04/2025	yes	0.5000	ND		4.0000	***
Beryllium, total	ug/L	GU-B	03/10/2026		0.5000	ND			
Cadmium, total	ug/L	GU-B	11/13/2023	yes	0.8000	ND			
Cadmium, total	ug/L	GU-B	12/05/2023	yes	0.8000	ND			
Cadmium, total	ug/L	GU-B	01/08/2024	yes	0.8000	ND			
Cadmium, total	ug/L	GU-B	03/06/2024	yes	0.8000	ND			
Cadmium, total	ug/L	GU-B	06/03/2024	yes	0.8000	ND			
Cadmium, total	ug/L	GU-B	09/18/2024	yes	1.2000				
Cadmium, total	ug/L	GU-B	03/10/2025	yes	1.6000				
Cadmium, total	ug/L	GU-B	09/04/2025	yes	0.4000				
Cadmium, total	ug/L	GU-B	03/10/2026		0.9210		0.9000		

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 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium, total	ug/L	GU-B	11/13/2023	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	12/05/2023	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	01/08/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	03/06/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	06/03/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	09/18/2024	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	03/10/2025	yes	8.0000	ND				
Chromium, total	ug/L	GU-B	09/04/2025	yes	1.0000	ND			8.0000	***
Chromium, total	ug/L	GU-B	03/10/2026		1.0000	ND				
Cobalt, total	ug/L	GU-B	11/13/2023	yes	1.0000					
Cobalt, total	ug/L	GU-B	12/05/2023	yes	0.7000					
Cobalt, total	ug/L	GU-B	01/08/2024	yes	0.6000					
Cobalt, total	ug/L	GU-B	03/06/2024	yes	1.7000					
Cobalt, total	ug/L	GU-B	06/03/2024	yes	0.4000	ND				
Cobalt, total	ug/L	GU-B	09/18/2024	yes	10.2000					
Cobalt, total	ug/L	GU-B	03/10/2025	yes	1.0000					
Cobalt, total	ug/L	GU-B	09/04/2025	yes	0.5000	ND			0.4000	***
Cobalt, total	ug/L	GU-B	03/10/2026		0.5000	ND		2.0000		
Copper, total	ug/L	GU-B	11/13/2023	yes	4.0000	ND				
Copper, total	ug/L	GU-B	12/05/2023	yes	4.0000	ND				
Copper, total	ug/L	GU-B	01/08/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-B	03/06/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-B	06/03/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-B	09/18/2024	yes	4.0000	ND				
Copper, total	ug/L	GU-B	03/10/2025	yes	4.0000	ND				
Copper, total	ug/L	GU-B	09/04/2025	yes	5.0000	ND			4.0000	***
Copper, total	ug/L	GU-B	03/10/2026		5.0000	ND				
Lead, total	ug/L	GU-B	11/13/2023	yes	4.0000	ND				
Lead, total	ug/L	GU-B	12/05/2023	yes	4.0000	ND				
Lead, total	ug/L	GU-B	01/08/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-B	03/06/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-B	06/03/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-B	09/18/2024	yes	4.0000	ND				
Lead, total	ug/L	GU-B	03/10/2025	yes	4.0000	ND				
Lead, total	ug/L	GU-B	09/04/2025	yes	1.0000	ND			4.0000	***
Lead, total	ug/L	GU-B	03/10/2026		1.0000	ND				
Nickel, total	ug/L	GU-B	11/13/2023	yes	20.7000					
Nickel, total	ug/L	GU-B	12/05/2023	yes	15.0000					
Nickel, total	ug/L	GU-B	01/08/2024	yes	17.6000					
Nickel, total	ug/L	GU-B	03/06/2024	yes	41.0000					
Nickel, total	ug/L	GU-B	06/03/2024	yes	55.9000					
Nickel, total	ug/L	GU-B	09/18/2024	yes	33.3000					
Nickel, total	ug/L	GU-B	03/10/2025	yes	18.3000					
Nickel, total	ug/L	GU-B	09/04/2025	yes	10.0000					
Nickel, total	ug/L	GU-B	03/10/2026		10.1000			26.4750		
Selenium, total	ug/L	GU-B	11/13/2023	yes	8.8000					
Selenium, total	ug/L	GU-B	12/05/2023	yes	6.9000					
Selenium, total	ug/L	GU-B	01/08/2024	yes	6.9000					
Selenium, total	ug/L	GU-B	03/06/2024	yes	28.4000					
Selenium, total	ug/L	GU-B	06/03/2024	yes	15.3000					

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 ND = Not detected, Result = detection limit.

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium, total	ug/L	GU-B	09/18/2024	yes	8.3000					
Selenium, total	ug/L	GU-B	03/10/2025	yes	33.6000					
Selenium, total	ug/L	GU-B	09/04/2025	yes	2.0000	ND				
Selenium, total	ug/L	GU-B	03/10/2026		19.4000			13.7750		
Silver, total	ug/L	GU-B	11/13/2023	yes	4.0000	ND				
Silver, total	ug/L	GU-B	12/05/2023	yes	4.0000	ND				
Silver, total	ug/L	GU-B	01/08/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-B	03/06/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-B	06/03/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-B	09/18/2024	yes	4.0000	ND				
Silver, total	ug/L	GU-B	03/10/2025	yes	4.0000	ND				
Silver, total	ug/L	GU-B	09/04/2025	yes	5.0000	ND			4.0000	***
Silver, total	ug/L	GU-B	03/10/2026		5.0000	ND				
Thallium, total	ug/L	GU-B	11/13/2023	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	12/05/2023	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	01/08/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	03/06/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	06/03/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	09/18/2024	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	03/10/2025	yes	2.0000	ND				
Thallium, total	ug/L	GU-B	09/04/2025	yes	0.5000	ND			2.0000	***
Thallium, total	ug/L	GU-B	03/10/2026		0.5000	ND				
Vanadium, total	ug/L	GU-B	11/13/2023	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	12/05/2023	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	01/08/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	03/06/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	06/03/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	09/18/2024	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	03/10/2025	yes	20.0000	ND				
Vanadium, total	ug/L	GU-B	09/04/2025	yes	2.0000	ND			20.0000	***
Vanadium, total	ug/L	GU-B	03/10/2026		2.0000	ND				
Zinc, total	ug/L	GU-B	11/13/2023	yes	20.0000	ND				
Zinc, total	ug/L	GU-B	12/05/2023	yes	513.0000					
Zinc, total	ug/L	GU-B	01/08/2024	yes	167.0000					
Zinc, total	ug/L	GU-B	03/06/2024	yes	93.2000					
Zinc, total	ug/L	GU-B	06/03/2024	yes	783.0000					
Zinc, total	ug/L	GU-B	09/18/2024	yes	65.2000					
Zinc, total	ug/L	GU-B	03/10/2025	yes	70.2000					
Zinc, total	ug/L	GU-B	09/04/2025	yes	30.7000					
Zinc, total	ug/L	GU-B	03/10/2026		48.9000			217.7875		

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 \*\*\* - ND value replaced with median RL.  
 \*\*\*\* - ND value replaced with manual RL.  
 ND = Not detected, Result = detection limit.

**Table 4**

**Dixon's Test Outliers  
1% Significance Level**

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium, total	ug/L	GU-A	06/03/2024	224.0000		12/05/2023-03/10/2026	8	0.6808

N = Total number of independent measurements in background at each well.

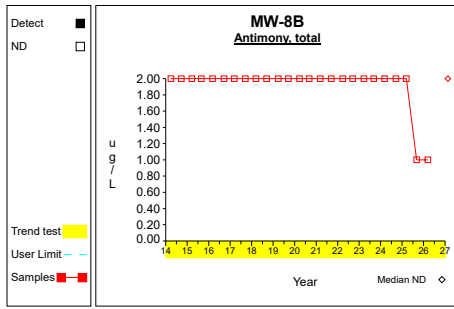
Date Range = Dates of the first and last measurements included in background at each well.

Critical Value depends on the significance level and on N-1 when the two most extreme values are tested or N for the most extreme value.

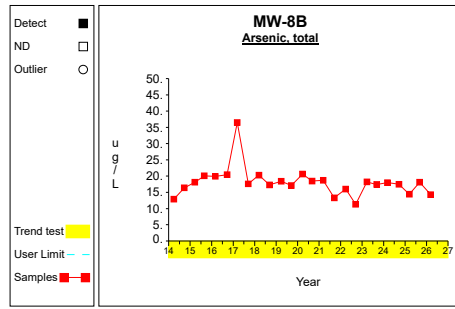
**Attachment B**

**Time Series Graphs – Supplemental Wells MW-8B, MW-9AR, MW-15R**

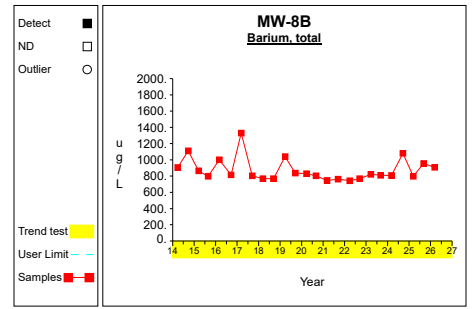
# Time Series



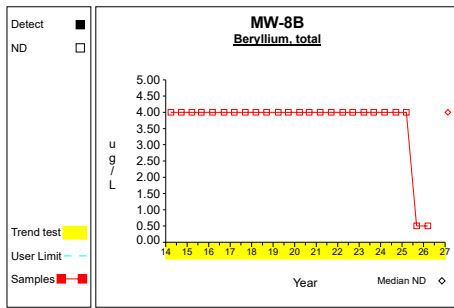
Graph 46



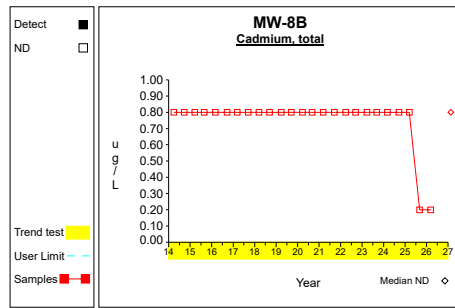
Graph 47



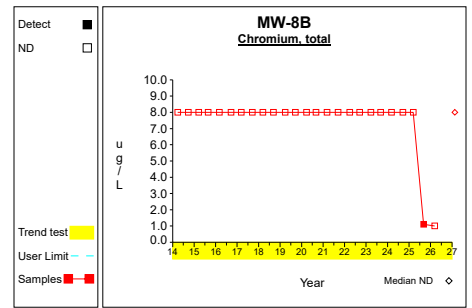
Graph 48



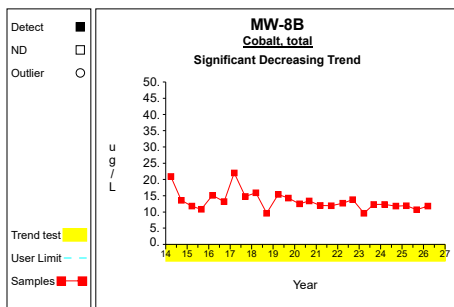
Graph 49



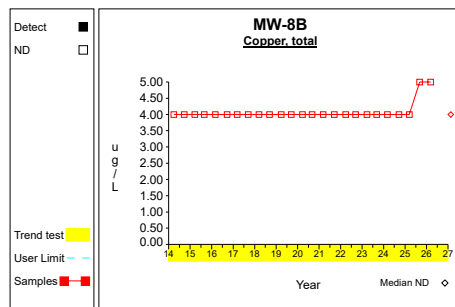
Graph 50



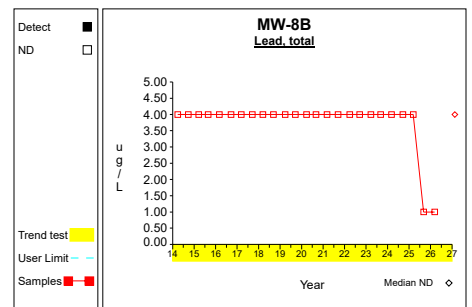
Graph 51



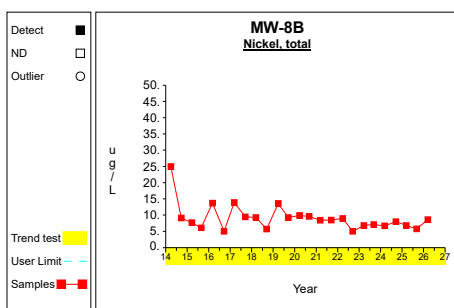
Graph 52



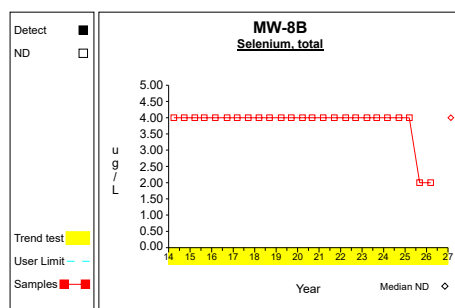
Graph 53



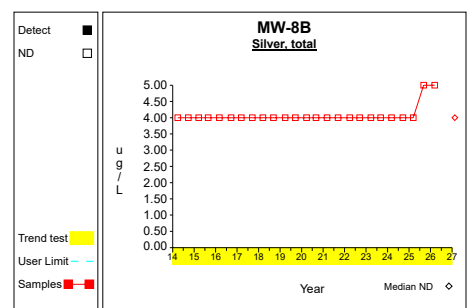
Graph 54



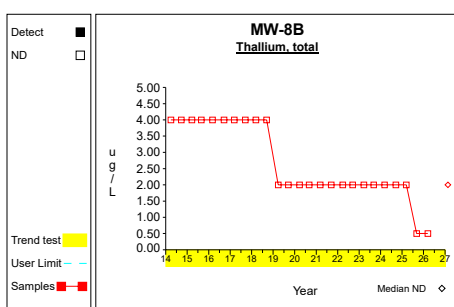
Graph 55



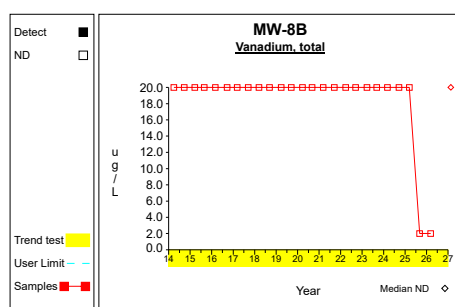
Graph 56



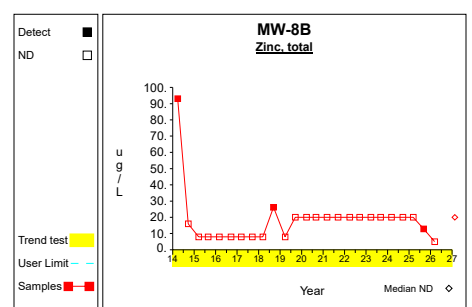
Graph 57



Graph 58

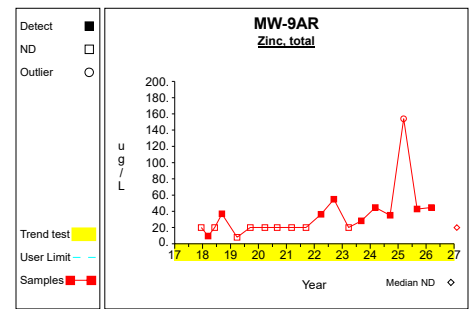
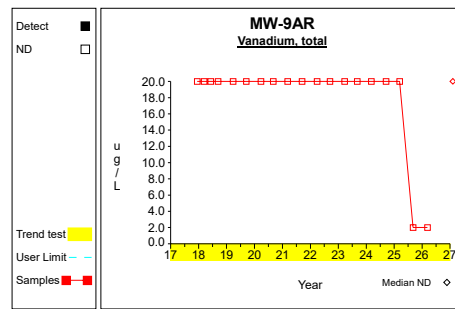
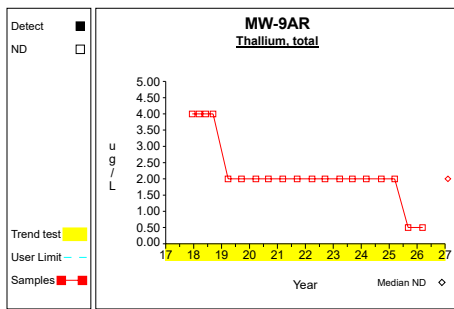
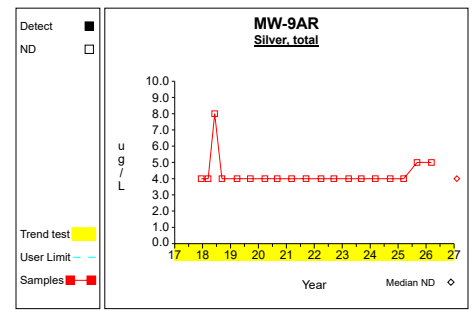
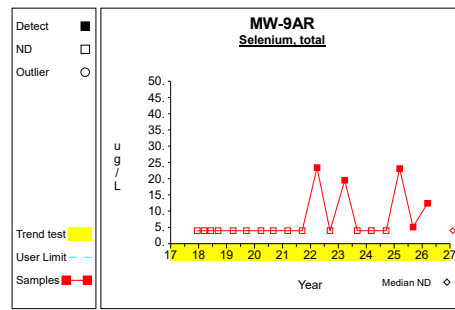
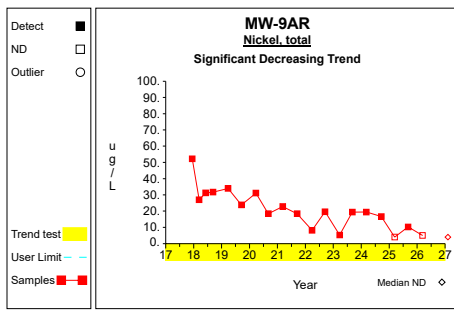
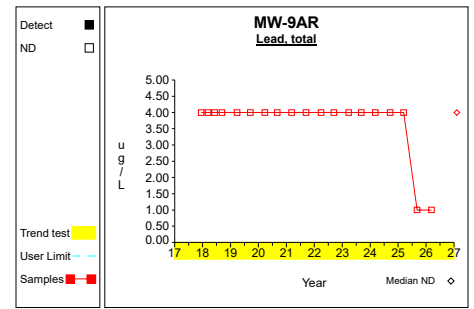
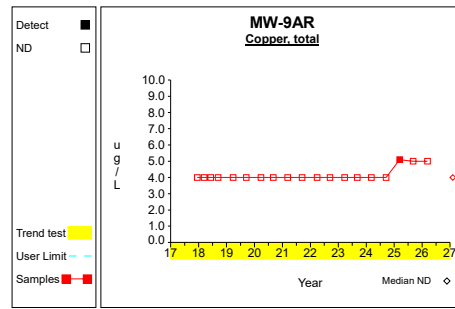
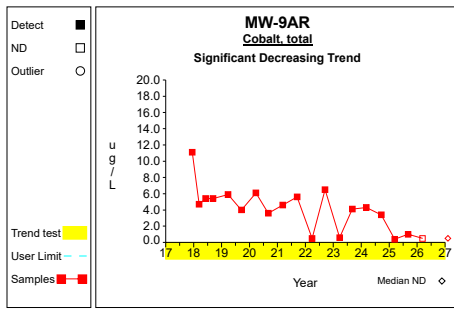
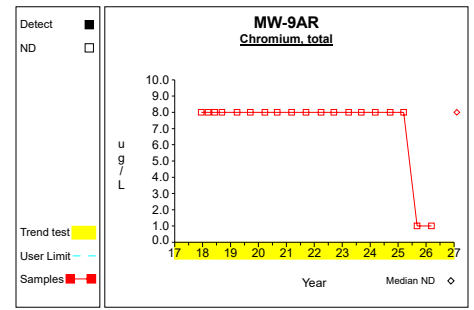
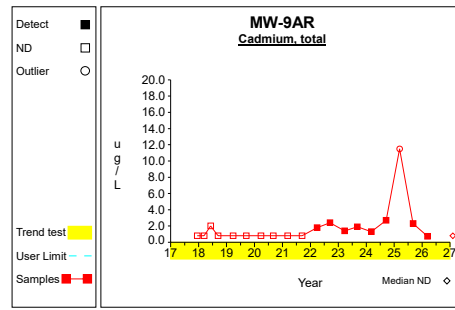
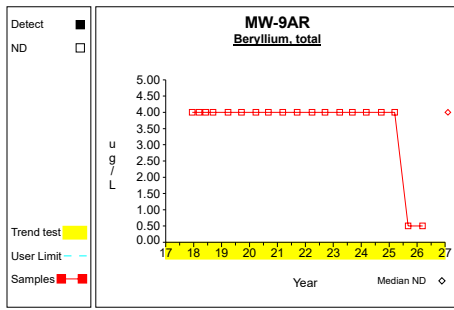
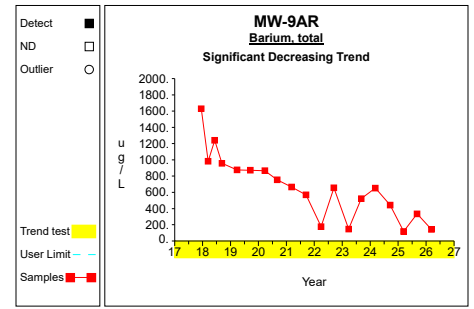
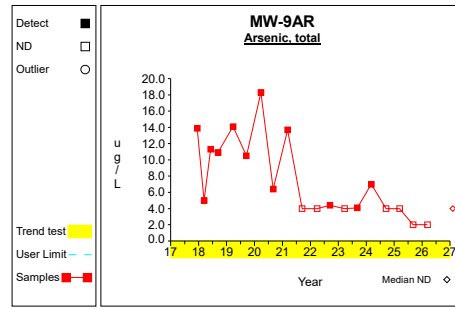
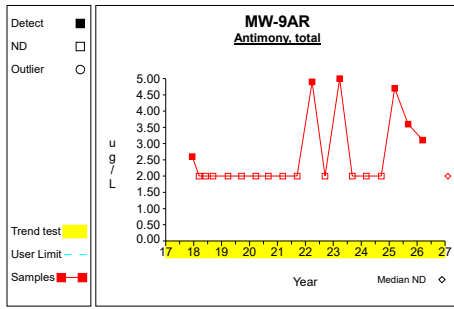


Graph 59



Graph 60

# Time Series



# Time Series

