

Water Quality Monitoring Report

First 2025 Semiannual Event

North Manatee Recycling & Disposal Facility,
Class III Landfill



May 09, 2025

Prepared for:



Waste Management Inc. of Florida
14415 CR 39
Duette, FL 33598

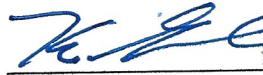
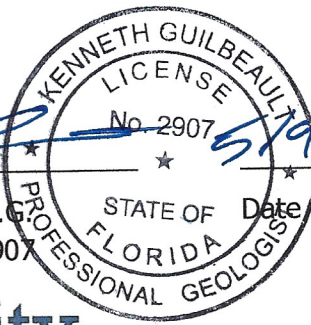
Prepared by:



1127 Curtis Street, Suite 100
Monroe, North Carolina 28112

STATEMENT OF GEOLOGIC REVIEW

In general accordance with Chapter 62-701, Florida Administrative Code (F.A.C.), Solid Waste Management Facilities, this Groundwater Monitoring Report – First Semiannual Monitoring Event 2025 – for the North Manatee Recycling & Disposal Facility, Class III Landfill Site located in Duette, Florida, has been reviewed, signed, and sealed by a registered Professional Geologist in the State of Florida. This report is consistent with standard principles related to groundwater monitoring.

Ken E. Guilbeault, P.G.
Florida License # 2907

TABLE OF CONTENTS

1	INTRODUCTION	1
2	BACKGROUND	2
3	MONITORING PROGRAM	3
	3.1 Groundwater Monitoring Program.....	3
	3.2 Surface Water Monitoring Program.....	3
	3.3 Sample Collection Analysis.....	4
4	GROUNDWATER ELEVATION DATA	5
	4.1 Upper Surficial Aquifer.....	5
	4.2 Lower Surficial Aquifer.....	5
5	WATER QUALITY MONITORING RESULTS.....	6
	5.1 Quality Assurance and Quality Control (QA/QC) Results.....	6
	5.2 Groundwater Quality	7
	5.2.1 Organic Parameters	7
	5.2.2 Metals	7
	5.2.3 General Chemistry and Field Parameters Exceedances	8
6	SUMMARY	9

LIST OF APPENDICES

Appendix A:	Figures
Appendix B:	Tables
Appendix C:	Laboratory Analytical Results and Field Forms
Appendix D:	Report in .PDF Format and ADaPT File
Appendix E:	Statistical Evaluation Report



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name North Manatee Recycling & Disposal Facility, Class III Landfill

Address 14415 CR 39

City Duette Zip 33598 County Manatee

Telephone Number (941) 751-7494

(2) WACS Facility ID 98654

(3) DEP Permit Number 298891-005-SO/T3 and 298891-006-SC/T3

(4) Authorized Representative's Name David Phillips Title Director of Disposal Operations

Address 3750 White Lake Boulevard

City Naples Zip 33605 County Collier

Telephone Number (239) 287-0305

Email address (if available) dphilli92@wm.com

CERTIFICATION

I certify under 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 submission of false information including the possibility of fine and imprisonment.

5/9/25

(Date)

David L. Phillips

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Atlantic Coast Consulting, Inc. (F.K.A., 920045 - ProTech)

Analytical Lab NELAC / HRS Certification # NELAP Certification E87487

Lab Name Pace Analytical National (Pace)

Address 12065 Lebanon Road, Mt. Juliet, TN 37122

Phone Number (800) 767-5859

Email address (if available) stacy.kennedy@pacelabs.com

1 INTRODUCTION

The North Manatee Recycling and Disposal Facility, Class III Landfill (Site) is operated by Waste Management Inc. of Florida (WMIF) in accordance with Florida Department of Environmental Protection (FDEP) Construction/Operation Permit Numbers 298891-005-SO/T3 & 298891-006-SC/T3 issued September 17, 2013 and subsequent modifications. The Site is classified as a Class III waste landfill and related facilities.

Integrity Environmental Solutions, LLC (Integrity) has been retained to report the results of semiannual groundwater monitoring at the Site in accordance with the Water Quality Monitoring Plan (WQMP) (Appendix 3) of the referenced permit.

This report was prepared in accordance with Florida Department of Environmental Protection (FDEP) Permit/Certification Nos. 298891-005-SO/T3 & 298891-006-SC/T3, WQMP, and Chapter 62-701.510(8)(a) Florida Administrative Code (FAC). The Permit expires on September 17, 2033.

The first semiannual 2025 sampling data were obtained during the routine semiannual monitoring event conducted February 10, 2025 (**Appendix C**). An electronic data deliverable (EDD) of the results in "ADaPT format" is attached as **Appendix D**. This EDD has been verified as uploadable into the latest version of ADaPT.

2 BACKGROUND

The Site is located at 14415 County Road 39, Duette, Florida 33598 (**Appendix A, Figure 1**). The Facility is classified as a Class III waste landfill with a total disposal area of approximately 114.2 acres. Cells 1-8 have been constructed along with ancillary facilities including the landfill office building, scales and scale house, the southern portion of the leachate transmission line servicing Cells 1-8, leachate storage area and two storage tanks, site access roads, stormwater management system and other improvements as needed for the operation of the facility. The locations of the monitoring sites are shown in **Appendix A, Figure 2**.

3 MONITORING PROGRAM

The semiannual program consists of monitoring the surficial aquifer groundwater and surface water. Semiannual reporting of the results of groundwater sampling is performed in accordance with the Site's WQMP and rule 62-701.510 (5)(c) & 7(a).

3.1 Groundwater Monitoring Program

The groundwater quality monitoring program at the Site includes 10 groundwater monitoring wells set in the surficial aquifer. Semiannual reporting of the groundwater sampling results is performed in accordance with the Site's WQMP. Monitoring well locations are shown in **Appendix A, Figure 2**. The construction detail summary for the background and detection wells are listed in **Appendix B, Table 1**.

The current permit requires semiannual sampling of the background and detection monitoring wells for the field and laboratory parameters listed below.

Field Parameters

- Static Water Level (before purging)
- Specific Conductivity
- pH
- Dissolved Oxygen
- Turbidity
- Temperature
- Color and sheens by observation

Laboratory Parameters

- Ammonia – N, Total
- Chlorides
- Iron
- Mercury
- Nitrate
- Sodium
- Total Dissolved Solids (TDS)
- Parameters listed in 40 CFR (Code of Federal Regulations) Part 258, Appendix I

3.2 Surface Water Monitoring Program

The Site's surface water monitoring system consists of two surface water monitoring locations, SW-1&2R (**Appendix A, Figure 2**).

The current permit requires semiannual sampling of the surface water locations for the field and laboratory parameters listed below when the stormwater pond is discharging to local waters of the state or from the property, whichever is closer.

Field Parameters

- Specific Conductivity
- pH
- Dissolved Oxygen
- Turbidity
- Temperature
- Color and sheens by observation

Laboratory Parameters

- Unionized Ammonia as N
- Total Hardness as CaCO₃
- Biochemical Oxygen Demand (BOD₅)
- Iron
- Mercury
- Nitrate/Nitrogen
- TDS
- Total Organic Carbon (TOC)
- Total Phosphorus
- Chlorophyll-a
- Total Nitrogen
- Chemical Oxygen Demand (COD)
- Total Suspended Solids (TSS)
- Parameters listed in the 1991 version of 40 CFR 258, Appendix I

3.3 Sample Collection Analysis

Groundwater sampling was conducted in accordance with F.A.C. Chapter 62-160 and FDEP's Standard Operating Procedures for Field Activities (DEP-SOP-001/01). Atlantic Coast Consulting, Inc. (ACC) field personnel collected groundwater samples for laboratory analysis from monitoring locations listed in **Sections 3.1 and 3.2** on February 10, 2025.

The groundwater monitoring wells sampled were purged with dedicated QED bladder pumps with Teflon-lined tubing extending to the top of the well casing. Wells were purged using low-flow sampling methods; a minimum of one well volume was purged prior to stabilization for wells where the water table is located within the well screen. Field parameters including static water level, pH, specific conductance, temperature, turbidity, dissolved oxygen, oxidation-reduction potential and color/sheen (by observation) were recorded during purging and prior to sampling. Once purging was complete, ACC field personnel collected groundwater samples from the dedicated pumps and tubing in laboratory-provided containers, and personnel placed the samples in coolers with ice. Pace Analytical National is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP).

4 GROUNDWATER ELEVATION DATA

Integrity performed the groundwater flow assessment of the surficial aquifer using groundwater depth to water measurements obtained on February 10, 2025, during this semiannual event. The assessment included the compilation of groundwater depth measurements, the calculation of groundwater elevations, and plotting the data onto Site figures depicting the estimated groundwater flow direction. **Appendix B, Table 2** lists the monitoring locations, depths to water, and groundwater elevations.

Groundwater contour maps of the upper and lower surficial aquifer zones are presented as **Appendix A, Figure 3 and Figure 4, respectively**. These maps were generated using the Surfer® Version 16 (Surfer®) groundwater contouring computer program and reviewed by a professional geologist for additional interpretation and manual contouring to assist in the accuracy and representativeness of the contours.

4.1 Upper Surficial Aquifer

Groundwater flow typically is expected to be perpendicular to the water level contours. Therefore, the general groundwater flow direction in the upper surficial aquifer is to the southwest (**Appendix A, Figure 3**). The groundwater flow pattern is consistent with historical data.

4.2 Lower Surficial Aquifer

Groundwater flow typically is expected to be perpendicular to the water level contours. Therefore, the general groundwater flow direction in the lower surficial aquifer is to the southwest (**Appendix A, Figure 4**). The groundwater flow pattern is consistent with historical data.

5 WATER QUALITY MONITORING RESULTS

This section summarizes the results of the groundwater quality sampling for the first semiannual sampling event performed February 10, 2025.

5.1 Quality Assurance and Quality Control (QA/QC) Results

During the February 2025 sampling event, ACC field personnel collected samples and two trip blanks and submitted the samples in coolers to Pace Analytical National for analysis. The trip blanks were shipped in the cooler with the volatile organic compounds (VOC) samples. The samples were received in good condition, properly preserved, and at proper temperatures. The laboratory provided additional QA/QC including analysis of method blanks, surrogates, laboratory control samples/laboratory control sample duplicates (LCS/LCSD), and matrix spike/matrix spike duplicates (MS/MSD). The QA/QC results are presented in the Pace Analytical National Report L1822707:

QC issues identified were not considered significant and the remainder of the lab data, even if flagged, was considered usable without further qualification.

5.2 Groundwater Quality

The groundwater quality detections and exceedances of the Primary Drinking Water Standards (PDWS) or Secondary Drinking Water Standards (SDWS) are summarized in **Appendix B, Table 3**. In accordance with Chapter 62-701, FAC, groundwater results were compared to their respective PDWS or SDWS established in Chapter 62-550, FAC and incorporated via reference in Chapter 62-520, FAC. For this routine groundwater monitoring report, Groundwater Cleanup Target Levels (GCTLs) in Rule 62-777, FAC, were used for constituents that do not have a PDWS or SDWS to evaluate if a parameter is significantly above background levels. GCTLs are used as a screening tool for potential anomalies in the concentration data that may require further consideration or review. **Appendix C** includes the laboratory analytical data and field forms.

5.2.1 Organic Parameters

VOCs were not detected above the PDWS and SDWS during the First 2025 semiannual monitoring event.

There were low level VOC detections below FDEP water quality standards for acetone and chloroethane (**Appendix B, Table 3**). These parameters will continue to be monitored to confirm that concentrations remain below their respective regulatory standards.

5.2.2 Metals

During the February 2025 sampling event iron concentrations were reported above applicable groundwater standards in samples collected from select wells. Metals concentrations reported above method detection levels are presented in **Appendix B, Table 3**.

During this sampling event, the concentration of iron in the groundwater in the surficial aquifer ranged from 16.8 $\mu\text{g/L}$ to 2,820 $\mu\text{g/L}$. Detectable iron concentrations in collected samples was reported over the SDWS of 300 $\mu\text{g/L}$ in background wells BW-1S, BW-2S, BW-3SR, BW-4SR, BW-5S and detection wells DW-4SR and DW-5SR. The iron detections at these wells are consistent with historical data.

It appears that the presence of iron in the groundwater is related to the dissolution of naturally-occurring iron from the soil due to redox reactions. Iron concentrations will continue to be observed at the Site's monitoring wells.

5.2.3 General Chemistry and Field Parameters Exceedances

Sulfate and pH concentrations in collected samples from some wells was reported above the applicable standards. These parameters are discussed below.

Sulfate

Sulfate concentrations reported in collected samples was above the FDEP SDWS of 250 mg/L for detection well DW-3SR (262 mg/L). This sulfate concentration is consistent with historical data. sulfate concentrations will continue to be monitored in subsequent sampling events.

pH

The FDEP SDWS range of 6.5 units to 8.5 units for pH was not met at background monitoring wells and detection monitoring wells during the first 2025 semiannual sampling event. Low groundwater pH in this region is the result of low pH in precipitation, rapid recharge, and the little buffering capacity of the surficial sands. The pH levels observed at the Site are characteristic of the groundwater in this region of Florida.

6 SUMMARY

The groundwater flow assessment indicates a groundwater flow generally to the southwest in the upper and lower surficial aquifer.

No VOCs were detected above their respective MCLs during the February 2025 sampling event.

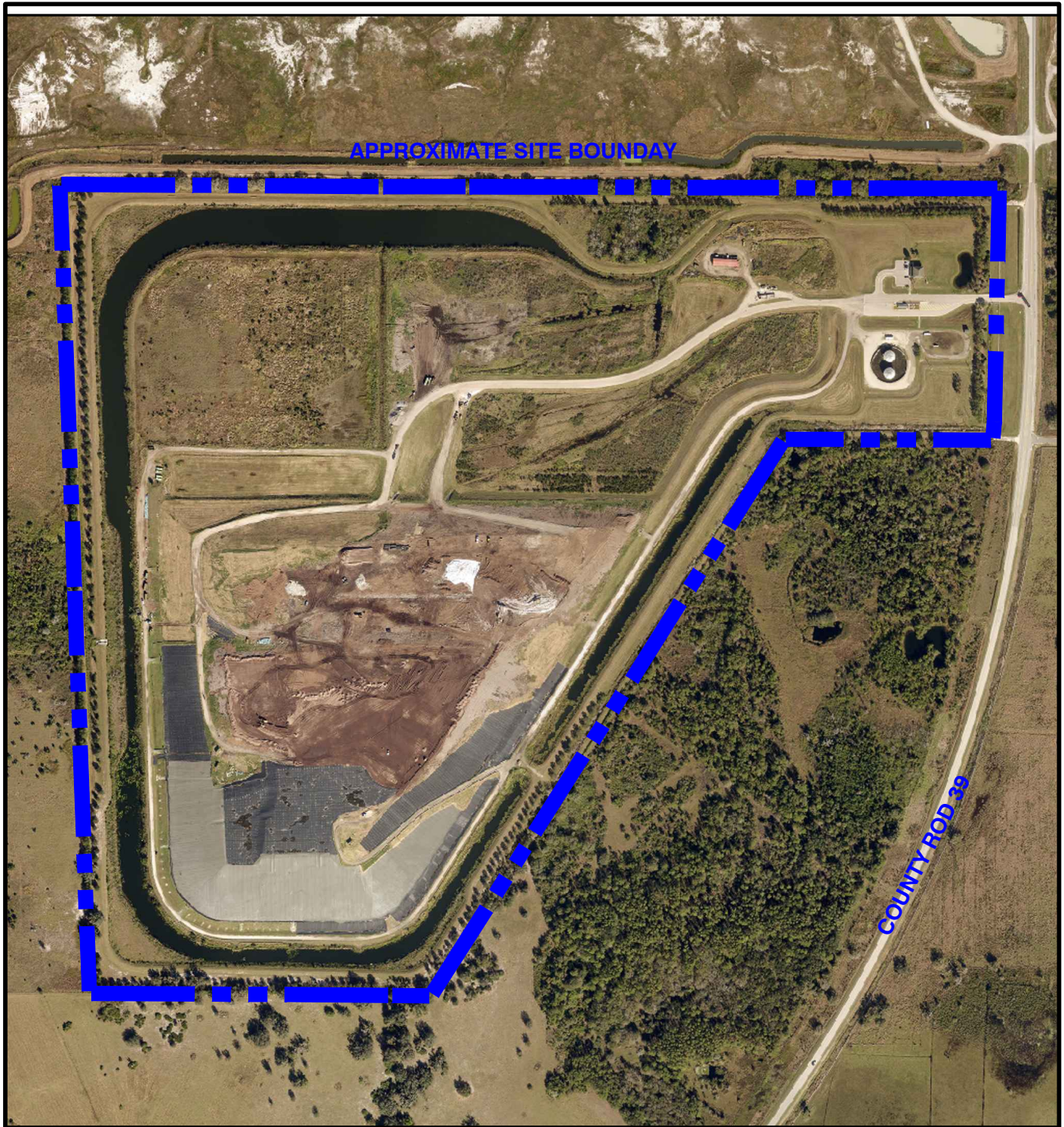
In select monitoring wells, the iron and pH concentrations exceeded their applicable SDWS. Monitoring wells exhibited concentrations similar to historical data during this sampling event.

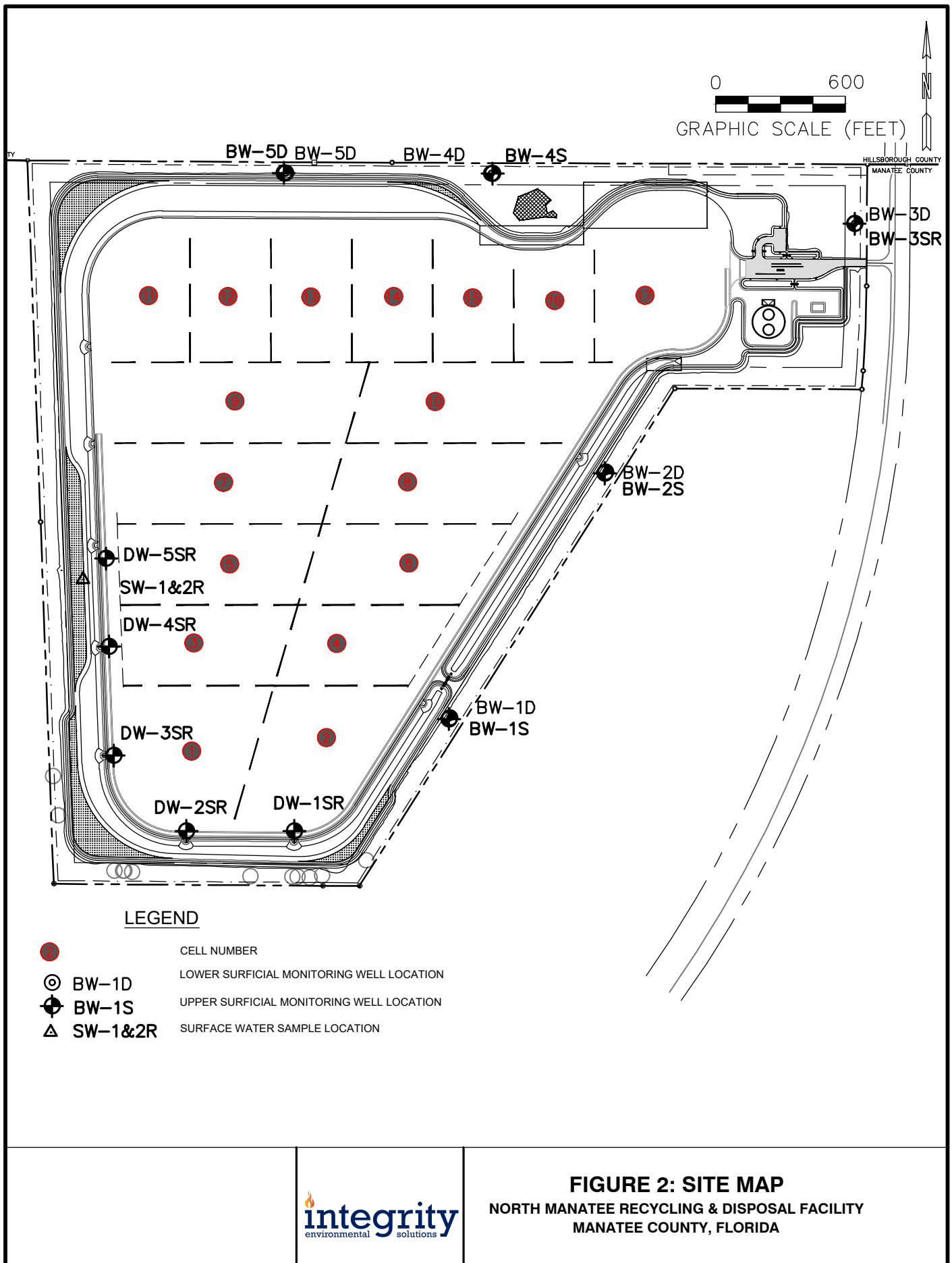
Sulfate exceeded the SDWS in one monitoring well and was consistent with historical data.

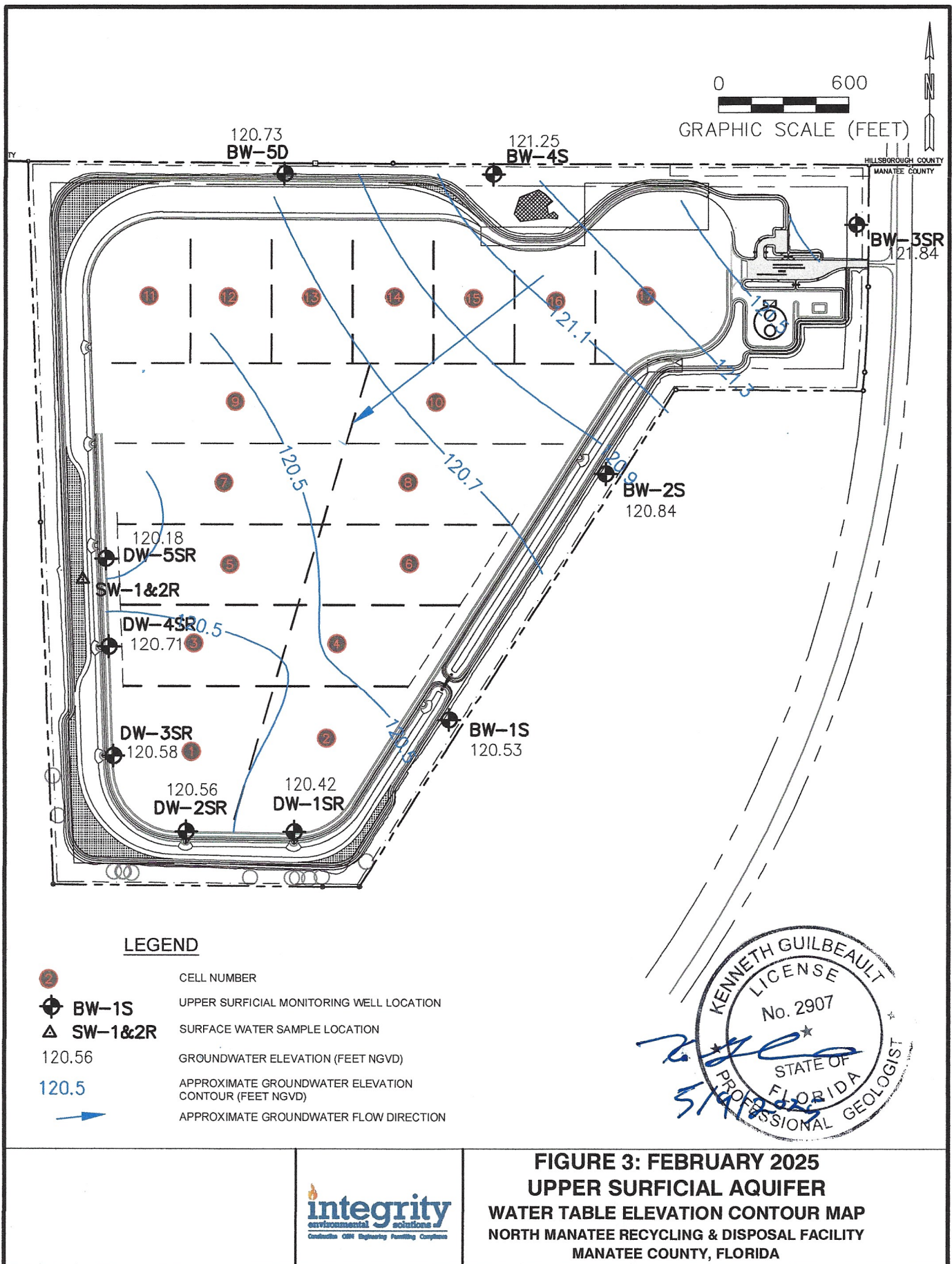
Groundwater monitoring frequency for the Site is semiannual and appears to provide sufficient data to evaluate concentration trends and plan appropriate evaluation monitoring where necessary. There have been no findings that indicate a need to modify the routine sampling frequency or parameters. The next sampling event is tentatively scheduled for August 2025.

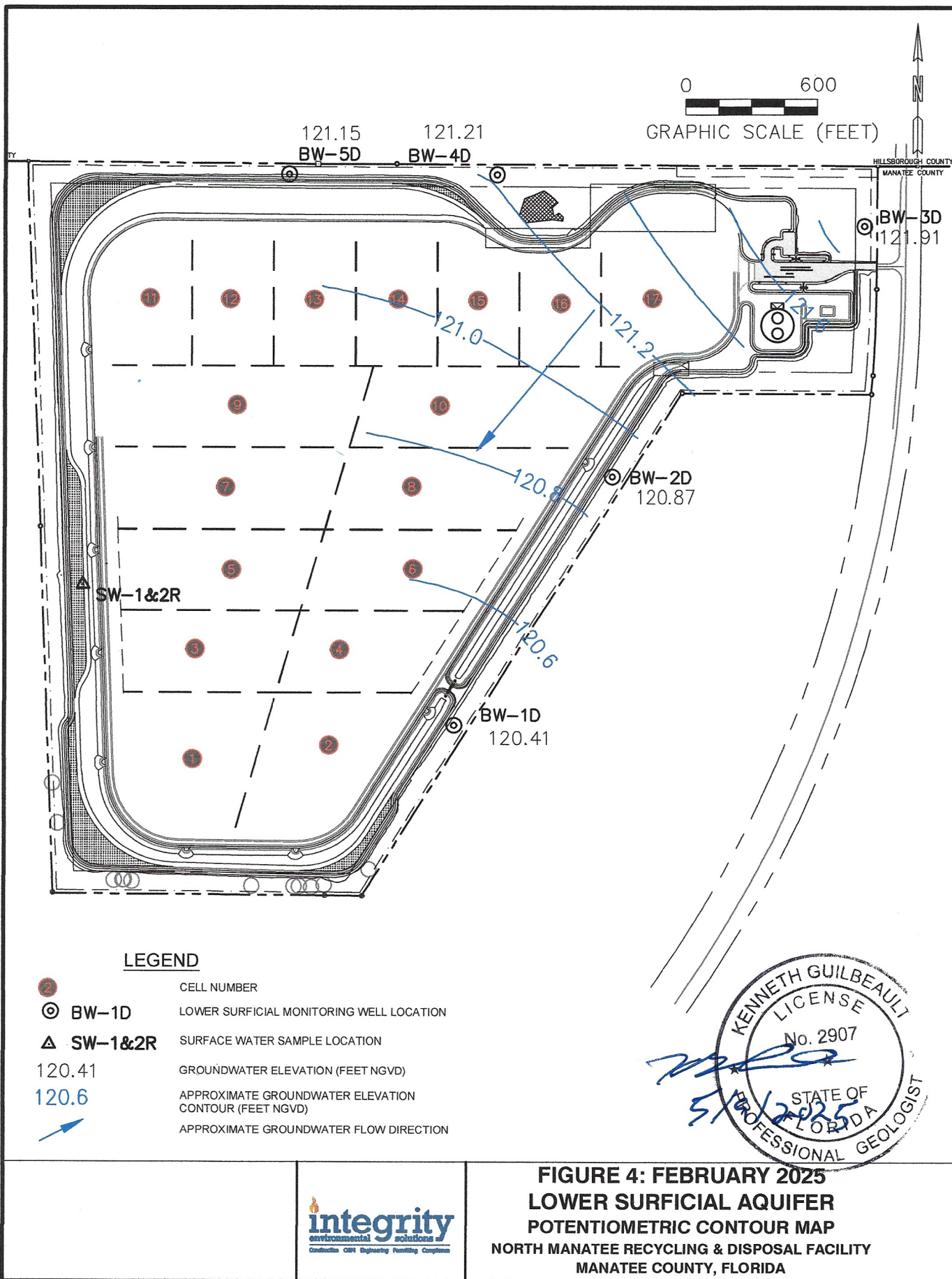
APPENDIX A

FIGURES









APPENDIX B

TABLES

**Table 1. Existing Monitoring Well Construction Details
North Manatee Recycling & Disposal Facility, Class III**

Well ID	Well Designation	Approximate State Plane Coordinates		Well Diameter	Total Well Depth	Top of Casing Elevation
		Northing	Easting	(in)	(ft bls)	(ft msl)
BW-1S	Background	1201518.19	606748.13	2	15.20	126.4
BW-1D	Background	1201523.70	606750.76	2	81.92	126.48
BW-2S	Background	1202656.06	607469.55	2	15.30	125.41
BW-2D	Background	1202661.57	607473.03	2	66.20	125.36
BW-3SR	Background	1203811.51	608625.59	2	15.00	130.4
BW-3D	Background	1203811.95	608625.30	2	61.90	130.21
BW-4S	Background	1204043.73	606950.20	2	15.50	127.46
BW-4D	Background	1204044.06	606943.98	2	51.50	127.4
BW-5S	Background	1204046.74	605983.73	2	15.00	127.55
BW-5D	Background	1204046.50	605991.28	2	56.80	128.09
DW-1SR	Detection	1200996.12	606032.55	2	15.56	130.14
DW-2SR	Detection	1201000.18	605532.63	2	14.56	130.37
DW-3SR	Detection	1201349.96	605196.03	2	15.10	130.01
DW-4SR	Detection	1201854.87	605174.37	2	15.48	130.19
DW-5SR	Detection	1202261.17	605161.32	2	15.00	130.69

Table 2. Water Level Measurements 2/10/2025
North Manatee Recycling & Disposal Facility, Class III

Well ID	TOC Elevation	Depth to Water	Groundwater Elevation
	(ft MSL)	(ft BTOC)	(ft MSL)
BW-1S	126.40	5.87	120.53
BW-1D	126.48	6.07	120.41
BW-2S	125.41	4.57	120.84
BW-2D	125.36	4.49	120.87
BW-3SR	130.40	8.56	121.84
BW-3D	130.21	8.30	121.91
BW-4S	127.46	6.21	121.25
BW-4D	127.40	6.19	121.21
BW-5S	127.55	6.82	120.73
BW-5D	128.09	6.94	121.15
DW-1SR	130.14	9.72	120.42
DW-2SR	130.37	9.81	120.56
DW-3SR	130.01	9.43	120.58
DW-4SR	130.19	9.48	120.71
DW-5SR	130.69	10.51	120.18

Table 3. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
North Manatee Landfill, February 2025

Parameter	Units	MCL	Standard	BW-1S	BW-2S	BW-3SR	BW-4S	BW-5S	DW-1SR	DW-2SR	DW-3SR	DW-4SR	DW-5SR
Well Type													
Volatile Organic Compounds													
Acetone	ug/l	NS	NS	1.36 I	12.7 I	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	1.07 I	1.05 U	1.64 I
Chloroethane	ug/l	NS	NS	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.26 I	0.141 U	0.141 U
Metals													
Arsenic	ug/l	10	PDWS	0.533 I	0.478 I	0.826 I	0.25 U	0.254 I	2.84	0.376 I	0.444 I	1.21 I	0.298 I
Barium	ug/l	2000	PDWS	4.64 I	9.15	10.1	33.4	11.9	1.7 U	1.7 U	6.13	10	19.8
Chromium	ug/l	100	PDWS	2.14 I	1.4 U	1.95 I	1.4 U	1.67 I	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Copper	ug/l	1000	SDWS	6.16 IV	6.56 IV	5.52 IV	8.07 IV	6.82 IV	6.21 IV	6.53 IV	7.11 IV	6.88 IV	5.65 IV
Iron	ug/l	300	SDWS	1530	2820	479	1880	455	64.5 I	16.8 I	228	407	2180
Lead	ug/l	15	PDWS	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.91 I	1.9 U	1.9 U	1.9 U	1.9 U
Selenium	ug/l	50	PDWS	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	8.05 I	7.4 U	7.4 U
Sodium	mg/l	160	PDWS	7.25	7.22	14.4	32.8	10.2	1.42	0.966 I	2.38	3.16	4.47
Vanadium	ug/l	NS	NS	2.77 I	2.56 I	2.29 I	3.24 I	3.76 I	8.85	13.3	3.35 I	1.92 I	5
Zinc	ug/l	5000	SDWS	3.32 I	2.9 I	2.56 U	2.56 U	2.56 U	113	2.56 U	4.8 I	2.56 U	2.56 U
General Chemistry													
Radium 226	pCi/L	5	PDWS	0.157 J +/- 0.181	0.655 +/- 0.277	0.400 +/- 0.219	14.7 +/- 1.05	1.17 +/- 0.388	0.000 U +/- 0.139	0.136 J +/- 0.177	0.723 +/- 0.276	1.25 +/- 0.341	---
Radium 228	pCi/L	5	PDWS	0.111 U +/- 0.621	0.177 U +/- 0.407	1.19 +/- 0.443	8.39 +/- 0.538	0.646 J +/- 0.434	-0.956 U +/- 0.817	0.0276 U +/- 0.584	0.268 U +/- 0.624	1.60 +/- 0.559	---
General Chemistry													
Ammonia (N)	mg/l	NS	NS	0.033 I	0.149	0.711	0.258	0.0317 U	0.0317 U	0.0317 U	0.0317 U	0.61	0.395
Boron	ug/l	NS	NS	13.9 I	12.6 U	12.6 U	12.6 U	25.5 I	15.1 I	12.6 U	18.9 I	17.7 I	---
Calcium	mg/l	NS	NS	19	7.4	25.4	5.32	28.8	15.8	23.7	66	107	---
Chloride	mg/l	250	SDWS	12.8	15.5	34.4	9.97	7.86	2.96	4.44	4.69	8.18	4.87
Fluoride	mg/l	2	SDWS	0.196 V	0.147 V	0.114 V	0.187 V	0.149 V	0.19 V	0.0992 IV	0.124 V	0.095 IV	---
Lithium	ug/l	NS	NS	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.51 I	---
Molybdenum	ug/l	NS	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.79 I	3.75 I	1.6 U	1.6 U	---
Nitrate (N)	mg/l	10	PDWS	0.0227 U	0.0591 IV	0.0227 U	0.0227 U	0.254 V	1.98	0.533 V	0.318 V	0.0641 IV	0.0227 U
Residues- Filterable (TDS)	mg/l	500	SDWS	172	68	176	201	204	96	154	271	391	115
Sulfate	mg/l	250	SDWS	14.6	1.67 IV	32.7	127	98.7	16.6	41.3	262	90.5	---
Field Parameters													
Dissolved Oxygen	mg/l	NS	NS	0.4	0.4	0.5	0.7	0.9	1.5	0.8	0.7	0.7	0.4
Oxidation Reduction Potential	mV	NS	NS	-6	-7	-5	128	138	138	153	127	-41	85
pH	S.U.	6.5-8.5	SDWS	5.68	5.37	5.58	4.59	5.62	5.66	5.98	5.31	6.14	4.78
Specific Conductance	umhos/cm	NS	NS	150	92	238	320	346	79	178	296	517	180
Temperature, Water	Deg C	NS	NS	22.9	23.3	23.3	21.5	22.3	28.8	27.3	28.4	27.4	29.4
Turbidity	NTU	NS	NS	4.77	1.52	0.74	3.37	3.59	7.04	5.05	4.54	4.59	4.03

NOTES:

1. PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
2. SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
3. Groundwater Clean-Up Target Level (62-777 F.A.C.) are used for screening purposes only to evaluate if a parameter is significantly above background levels.
4. MPIS = Monitoring Plan Implementation Schedule
5. NS = No numeric standard has been set for this analyte.
6. mg/L = milligrams per liter
7. ug/L = micrograms per liter
8. NTU = nephelometric turbidity units
9. Yellow shaded values indicate parameter concentrations exceeded respective PDWS or SDWS.
10. Degrees C = Degrees Celsius
11. umhos/cm = micromhos per centimeter
12. % Sat = Percent saturation
13. I = Analyte concentration was between the laboratory detection limit and laboratory practical quantitation limit.
14. J = Analyte is outside laboratory established quality control criteria.
15. U = Analyte concentration was below the laboratory detection limit (value shown).
16. V = Analyte was detected in the sample and an associated method blank.
17. --- = Parameter not collected
18. BG= Background well
19. CO = Compliance well
20. DE = Detection well
21. Percent saturation of dissolved oxygen calculated from <http://www.fivecreeks.org/monitor/do.html>.

APPENDIX C

LABORATORY ANALYTICAL RESULTS AND FIELD FORMS

North Manatee (NMRDF)

Sample Delivery Group: L1825214
Samples Received: 02/11/2025
Project Number: 100
Description: North Manatee (NMRDF)-Semiannual Groundwater
FEB AUG
Site: FL50
Report To: Liz Foeller
25515 Old Landfill Road
Punta Gorda, FL 33980

Entire Report Reviewed By:



Stacy Kennedy
Project Manager

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

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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	8
DW-1SR L1825214-01	8
DW-2SR L1825214-02	11
DW-3SR L1825214-03	14
DW-4SR L1825214-04	17
BW-1S L1825214-05	20
BW-2S L1825214-06	23
BW-3SR L1825214-07	26
BW-4S L1825214-08	29
BW-5S L1825214-09	32
DW-5SR L1825214-10	35
TRIP BLANK 1 L1825214-11	38
TRIP BLANK 2 L1825214-12	40
Qc: Quality Control Summary	42
Gravimetric Analysis by Method 2540 C-2011	42
Wet Chemistry by Method 300.0	44
Wet Chemistry by Method 350.1	46
Mercury by Method 7470A	47
Metals (ICP) by Method 6010D	49
Metals (ICPMS) by Method 6020B	51
Volatile Organic Compounds (GC/MS) by Method 8260D	52
EDB / DBCP by Method 8011	57
Gl: Glossary of Terms	59
Al: Accreditations & Locations	60
Sc: Sample Chain of Custody	61

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

SAMPLE SUMMARY

DW-1SR L1825214-01 GW

Collected by
Danny Armour

Collected date/time
02/10/25 10:58

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2449631	1	02/12/25 09:31	02/12/25 10:27	MMF	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/11/25 23:14	02/11/25 23:14	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:42	02/11/25 20:42	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2449737	1	02/15/25 12:26	02/16/25 17:44	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:09	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 16:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 16:49	02/13/25 16:49	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1	02/17/25 08:42	02/18/25 02:59	LTB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

DW-2SR L1825214-02 GW

Collected by
Danny Armour

Collected date/time
02/10/25 11:38

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2449631	1	02/12/25 09:31	02/12/25 10:27	MMF	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/11/25 23:54	02/11/25 23:54	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 19:57	02/11/25 19:57	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2449737	1	02/15/25 12:26	02/16/25 17:47	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:13	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 16:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 17:11	02/13/25 17:11	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1.02	02/17/25 08:42	02/18/25 03:17	LTB	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

DW-3SR L1825214-03 GW

Collected by
Danny Armour

Collected date/time
02/10/25 12:18

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2449631	1	02/12/25 09:31	02/12/25 10:27	MMF	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 00:08	02/12/25 00:08	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	5	02/12/25 03:42	02/12/25 03:42	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 19:58	02/11/25 19:58	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:10	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:16	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:00	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 17:33	02/13/25 17:33	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1	02/17/25 08:42	02/18/25 03:35	LTB	Mt. Juliet, TN

Collected by
Danny Armour

Collected date/time
02/10/25 12:50

Received date/time
02/11/25 09:00

DW-4SR L1825214-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2449631	1	02/12/25 09:31	02/12/25 10:27	MMF	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 00:21	02/12/25 00:21	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:00	02/11/25 20:00	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:13	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:18	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:04	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 17:56	02/13/25 17:56	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1	02/17/25 08:42	02/18/25 03:53	LTB	Mt. Juliet, TN

SAMPLE SUMMARY

BW-1S L1825214-05 GW

Collected by
Danny Armour

Collected date/time
02/10/25 09:41

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2449631	1	02/12/25 09:31	02/12/25 10:27	MMF	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 00:35	02/12/25 00:35	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:01	02/11/25 20:01	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:16	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:21	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 18:18	02/13/25 18:18	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1	02/17/25 08:42	02/18/25 04:29	LTB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

BW-2S L1825214-06 GW

Collected by
Danny Armour

Collected date/time
02/10/25 10:19

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2450202	1	02/12/25 07:23	02/12/25 13:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 00:48	02/12/25 00:48	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:03	02/11/25 20:03	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:18	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:24	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 18:40	02/13/25 18:40	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1.01	02/17/25 08:42	02/18/25 04:48	LTB	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

BW-3SR L1825214-07 GW

Collected by
Danny Armour

Collected date/time
02/10/25 09:00

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2450202	1	02/12/25 07:23	02/12/25 13:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 01:01	02/12/25 01:01	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:09	02/11/25 20:09	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:21	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:32	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 19:02	02/13/25 19:02	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1.03	02/17/25 08:42	02/18/25 05:07	LTB	Mt. Juliet, TN

BW-4S L1825214-08 GW

Collected by
Danny Armour

Collected date/time
02/10/25 08:20

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2450202	1	02/12/25 07:23	02/12/25 13:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 01:15	02/12/25 01:15	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	5	02/12/25 03:56	02/12/25 03:56	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:18	02/11/25 20:18	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:24	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:35	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 19:25	02/13/25 19:25	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1.02	02/17/25 08:42	02/18/25 05:26	LTB	Mt. Juliet, TN

SAMPLE SUMMARY

BW-5S L1825214-09 GW

Collected by
Danny Armour

Collected date/time
02/10/25 07:40

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2450202	1	02/12/25 07:23	02/12/25 13:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 01:28	02/12/25 01:28	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:19	02/11/25 20:19	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:26	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:38	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 19:47	02/13/25 19:47	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1	02/17/25 08:42	02/18/25 05:44	LTB	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

DW-5SR L1825214-10 GW

Collected by
Danny Armour

Collected date/time
02/10/25 13:37

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2450202	1	02/12/25 07:23	02/12/25 13:40	ARD	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2449542	1	02/12/25 01:42	02/12/25 01:42	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2449893	1	02/11/25 20:21	02/11/25 20:21	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2450062	1	02/15/25 12:01	02/16/25 18:34	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2450269	1	02/12/25 12:04	02/13/25 19:40	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2451245	1	02/13/25 20:32	02/14/25 17:24	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 20:09	02/13/25 20:09	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1.03	02/17/25 08:42	02/18/25 06:03	LTB	Mt. Juliet, TN

⁶Qc

⁷Gl

⁸Al

⁹Sc

TRIP BLANK 1 L1825214-11 GW

Collected by
Danny Armour

Collected date/time
02/10/25 00:00

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 13:28	02/13/25 13:28	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2451349	1	02/13/25 13:50	02/14/25 16:54	NWH	Mt. Juliet, TN

TRIP BLANK 2 L1825214-12 GW

Collected by
Danny Armour

Collected date/time
02/10/25 00:00

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2451207	1	02/13/25 13:51	02/13/25 13:51	DWR	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2453072	1	02/17/25 08:42	02/18/25 06:21	LTB	Mt. Juliet, TN

CASE NARRATIVE

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



Stacy Kennedy
Project Manager

Wet Chemistry by Method 300.0

Off-scale high. Actual value is known to be greater than value given.

Batch	Lab Sample ID	Analytes
WG2449542	(MS) R4175774-6	Fluoride
WG2449542	(MSD) R4175774-7	Fluoride

Indicates the analyte was detected in both the sample and method blank.

Batch	Analyte	Lab Sample ID
WG2449542	Fluoride	L1825214-01, 02, 03, 04, 05, 06, 07, 08, 09
WG2449542	Nitrate as (N)	L1825214-02, 03, 04, 06, 09
WG2449542	Sulfate	L1825214-06

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2449542	(MS) R4175774-4, (MS) R4175774-6, (MSD) R4175774-7	Chloride, Fluoride and Sulfate

Metals (ICP) by Method 6010D

Indicates the analyte was detected in both the sample and method blank.

Batch	Analyte	Lab Sample ID
WG2450269	Copper, Total Recoverable	L1825214-01, 02, 03, 04, 05, 06, 07, 08, 09, 10

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2450269	(MS) R4176566-4, (MSD) R4176566-5	Calcium, Total Recoverable



CASE NARRATIVE

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

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

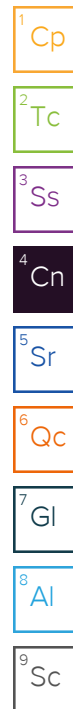
Batch	Lab Sample ID	Analytes
WG2451207	L1825214-01	Bromomethane
WG2451207	L1825214-02	Bromomethane
WG2451207	L1825214-03	Bromomethane
WG2451207	L1825214-04	Bromomethane
WG2451207	L1825214-05	Bromomethane
WG2451207	L1825214-06	Bromomethane
WG2451207	L1825214-07	Bromomethane
WG2451207	L1825214-08	Bromomethane
WG2451207	L1825214-09	Bromomethane
WG2451207	L1825214-10	Bromomethane
WG2451207	L1825214-11	Bromomethane
WG2451207	L1825214-12	Bromomethane

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2451207	(LCS) R4176845-1, (LCSD) R4176845-2, L1825214-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	1,2-Dichloropropane and Dibromomethane

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2451207	(MS) R4176845-4, (MSD) R4176845-5	Chloromethane and Styrene



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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	5.66	su
Temperature (on-site)	28.8	Deg. C
Specific Conductance (on site)	79	umhos/cm
Dissolved Oxygen (on-site)	1.5	mg/l
Turbidity (on-site)	7.04	NTU
eH/ORP (On Site)	138	mV

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	96.0		10.0	1	02/12/2025 10:27	WG2449631

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	2.96		0.0519	1.00	1	02/11/2025 23:14	WG2449542
Fluoride	0.190	V	0.00990	0.100	1	02/11/2025 23:14	WG2449542
Nitrate as (N)	1.98		0.0227	0.100	1	02/11/2025 23:14	WG2449542
Sulfate	16.6		0.0774	5.00	1	02/11/2025 23:14	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	02/11/2025 20:42	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 17:44	WG2449737

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	15.8		0.0463	1.00	1	02/13/2025 19:09	WG2450269
Sodium, Total Recoverable	1.42		0.0111	1.00	1	02/13/2025 19:09	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:09	WG2450269
Barium, Total Recoverable	1.70	U	1.70	5.00	1	02/13/2025 19:09	WG2450269
Boron, Total Recoverable	15.1	I	12.6	200	1	02/13/2025 19:09	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:09	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:09	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:09	WG2450269
Copper, Total Recoverable	6.21	I V	5.30	10.0	1	02/13/2025 19:09	WG2450269
Iron, Total Recoverable	64.5	I	14.1	100	1	02/13/2025 19:09	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:09	WG2450269
Molybdenum, Total Recoverable	3.79	I	1.60	5.00	1	02/13/2025 19:09	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:09	WG2450269
Lead, Total Recoverable	1.91	I	1.90	5.00	1	02/13/2025 19:09	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:09	WG2450269

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	2.84		0.250	2.00	1	02/14/2025 16:54	WG2451245
Beryllium, Total Recoverable	0.120	J	0.120	2.00	1	02/14/2025 16:54	WG2451245
Antimony, Total Recoverable	0.754	J	0.754	2.00	1	02/14/2025 16:54	WG2451245
Thallium, Total Recoverable	0.190	J	0.190	2.00	1	02/14/2025 16:54	WG2451245
Vanadium, Total Recoverable	8.85		0.180	5.00	1	02/14/2025 16:54	WG2451245
Zinc, Total Recoverable	113		2.56	25.0	1	02/14/2025 16:54	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	J	0.120	0.500	1	02/13/2025 16:49	WG2451207
1,1,1-Trichloroethane	0.0940	J	0.0940	0.500	1	02/13/2025 16:49	WG2451207
1,1,2,2-Tetrachloroethane	0.130	J	0.130	0.500	1	02/13/2025 16:49	WG2451207
1,1,2-Trichloroethane	0.0940	J	0.0940	0.500	1	02/13/2025 16:49	WG2451207
1,1-Dichloroethane	0.114	J	0.114	0.500	1	02/13/2025 16:49	WG2451207
1,1-Dichloroethene	0.188	J	0.188	0.500	1	02/13/2025 16:49	WG2451207
1,2,3-Trichloropropane	0.247	J	0.247	2.50	1	02/13/2025 16:49	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	J	0.325	2.50	1	02/13/2025 16:49	WG2451207
1,2-Dichlorobenzene	0.101	J	0.101	0.500	1	02/13/2025 16:49	WG2451207
1,2-Dichloroethane	0.108	J	0.108	0.500	1	02/13/2025 16:49	WG2451207
1,2-Dichloropropane	0.190	J	0.190	0.500	1	02/13/2025 16:49	WG2451207
1,4-Dichlorobenzene	0.121	J	0.121	0.500	1	02/13/2025 16:49	WG2451207
2-Butanone (MEK)	1.28	J	1.28	5.00	1	02/13/2025 16:49	WG2451207
2-Hexanone	0.757	J	0.757	5.00	1	02/13/2025 16:49	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	J	0.823	5.00	1	02/13/2025 16:49	WG2451207
Acetone	1.05	J	1.05	25.0	1	02/13/2025 16:49	WG2451207
Acrylonitrile	0.873	J	0.873	5.00	1	02/13/2025 16:49	WG2451207
Benzene	0.0896	J	0.0896	0.500	1	02/13/2025 16:49	WG2451207
Bromochloromethane	0.145	J	0.145	0.500	1	02/13/2025 16:49	WG2451207
Bromodichloromethane	0.0800	J	0.0800	0.500	1	02/13/2025 16:49	WG2451207
Bromoform	0.186	J	0.186	0.500	1	02/13/2025 16:49	WG2451207
Bromomethane	0.157	J3 U	0.157	2.50	1	02/13/2025 16:49	WG2451207
Carbon disulfide	0.101	J	0.101	0.500	1	02/13/2025 16:49	WG2451207
Carbon tetrachloride	0.159	J	0.159	0.500	1	02/13/2025 16:49	WG2451207
Chlorobenzene	0.140	J	0.140	0.500	1	02/13/2025 16:49	WG2451207
Chloroethane	0.141	J	0.141	2.50	1	02/13/2025 16:49	WG2451207
Chloroform	0.0860	J	0.0860	0.500	1	02/13/2025 16:49	WG2451207
Chloromethane	0.153	J	0.153	1.25	1	02/13/2025 16:49	WG2451207
Dibromochloromethane	0.128	J	0.128	0.500	1	02/13/2025 16:49	WG2451207
Dibromomethane	0.117	J	0.117	0.500	1	02/13/2025 16:49	WG2451207
Ethylbenzene	0.158	J	0.158	0.500	1	02/13/2025 16:49	WG2451207
Iodomethane	0.377	J	0.377	10.0	1	02/13/2025 16:49	WG2451207
Methylene Chloride	1.07	J	1.07	2.50	1	02/13/2025 16:49	WG2451207
Styrene	0.117	J	0.117	0.500	1	02/13/2025 16:49	WG2451207
Tetrachloroethene	0.199	J	0.199	0.500	1	02/13/2025 16:49	WG2451207
Toluene	0.412	J	0.412	0.500	1	02/13/2025 16:49	WG2451207
Trichloroethene	0.153	J	0.153	0.500	1	02/13/2025 16:49	WG2451207
Trichlorofluoromethane	0.130	J	0.130	2.50	1	02/13/2025 16:49	WG2451207
Vinyl acetate	0.645	J	0.645	5.00	1	02/13/2025 16:49	WG2451207
Vinyl chloride	0.118	J	0.118	0.500	1	02/13/2025 16:49	WG2451207
Xylenes, Total	0.316	J	0.316	1.50	1	02/13/2025 16:49	WG2451207
cis-1,2-Dichloroethene	0.0933	J	0.0933	0.500	1	02/13/2025 16:49	WG2451207
cis-1,3-Dichloropropene	0.0976	J	0.0976	0.500	1	02/13/2025 16:49	WG2451207
trans-1,2-Dichloroethene	0.152	J	0.152	0.500	1	02/13/2025 16:49	WG2451207
trans-1,3-Dichloropropene	0.222	J	0.222	0.500	1	02/13/2025 16:49	WG2451207
trans-1,4-Dichloro-2-butene	0.257	J	0.257	5.00	1	02/13/2025 16:49	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	89.6			77.0-126		02/13/2025 16:49	WG2451207
(S) Toluene-d8	91.5			80.0-120		02/13/2025 16:49	WG2451207
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/13/2025 16:49	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00240	U	0.00240	0.0100	1	02/18/2025 02:59	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	5.98	su
Temperature (on-site)	27.3	Deg. C
Specific Conductance (on site)	178	umhos/cm
Dissolved Oxygen (on-site)	.8	mg/l
Turbidity (on-site)	5.05	NTU
eH/ORP (On Site)	153	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Dissolved Solids	154		10.0	1	02/12/2025 10:27	WG2449631

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Chloride	4.44		0.0519	1.00	1	02/11/2025 23:54	WG2449542
Fluoride	0.0992	I V	0.00990	0.100	1	02/11/2025 23:54	WG2449542
Nitrate as (N)	0.533	V	0.0227	0.100	1	02/11/2025 23:54	WG2449542
Sulfate	41.3		0.0774	5.00	1	02/11/2025 23:54	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	02/11/2025 19:57	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 17:47	WG2449737

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Calcium, Total Recoverable	23.7		0.0463	1.00	1	02/13/2025 19:13	WG2450269
Sodium, Total Recoverable	0.966	I	0.0111	1.00	1	02/13/2025 19:13	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:13	WG2450269
Barium, Total Recoverable	1.70	U	1.70	5.00	1	02/13/2025 19:13	WG2450269
Boron, Total Recoverable	12.6	U	12.6	200	1	02/13/2025 19:13	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:13	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:13	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:13	WG2450269
Copper, Total Recoverable	6.53	I V	5.30	10.0	1	02/13/2025 19:13	WG2450269
Iron, Total Recoverable	16.8	I	14.1	100	1	02/13/2025 19:13	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:13	WG2450269
Molybdenum, Total Recoverable	3.75	I	1.60	5.00	1	02/13/2025 19:13	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:13	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:13	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:13	WG2450269

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

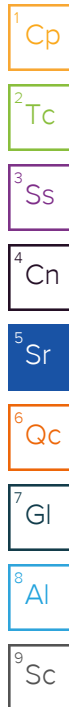
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.376	1	0.250	2.00	1	02/14/2025 16:57	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 16:57	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 16:57	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 16:57	WG2451245
Vanadium, Total Recoverable	13.3	1	0.180	5.00	1	02/14/2025 16:57	WG2451245
Zinc, Total Recoverable	2.56	1	2.56	25.0	1	02/14/2025 16:57	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 17:11	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 17:11	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 17:11	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 17:11	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 17:11	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 17:11	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 17:11	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 17:11	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 17:11	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 17:11	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 17:11	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 17:11	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 17:11	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 17:11	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 17:11	WG2451207
Acetone	1.05	1	1.05	25.0	1	02/13/2025 17:11	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 17:11	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 17:11	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 17:11	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 17:11	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 17:11	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 17:11	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 17:11	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 17:11	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 17:11	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 17:11	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 17:11	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 17:11	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 17:11	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 17:11	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 17:11	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 17:11	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 17:11	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 17:11	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 17:11	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 17:11	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 17:11	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 17:11	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 17:11	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 17:11	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 17:11	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 17:11	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 17:11	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 17:11	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 17:11	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 17:11	WG2451207



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	88.3			77.0-126		02/13/2025 17:11	WG2451207
(S) Toluene-d8	91.8			80.0-120		02/13/2025 17:11	WG2451207
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/13/2025 17:11	WG2451207

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00245	U	0.00245	0.0102	1.02	02/18/2025 03:17	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	5.31	su
Temperature (on-site)	28.4	Deg. C
Specific Conductance (on site)	296	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	4.54	NTU
eH/ORP (On Site)	127	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	271		10.0	1	02/12/2025 10:27	WG2449631

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	4.69		0.0519	1.00	1	02/12/2025 00:08	WG2449542
Fluoride	0.124	V	0.00990	0.100	1	02/12/2025 00:08	WG2449542
Nitrate as (N)	0.318	V	0.0227	0.100	1	02/12/2025 00:08	WG2449542
Sulfate	262		0.387	25.0	5	02/12/2025 03:42	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	02/11/2025 19:58	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:10	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	66.0		0.0463	1.00	1	02/13/2025 19:16	WG2450269
Sodium, Total Recoverable	2.38		0.0111	1.00	1	02/13/2025 19:16	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:16	WG2450269
Barium, Total Recoverable	6.13		1.70	5.00	1	02/13/2025 19:16	WG2450269
Boron, Total Recoverable	18.9	I	12.6	200	1	02/13/2025 19:16	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:16	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:16	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:16	WG2450269
Copper, Total Recoverable	7.11	I V	5.30	10.0	1	02/13/2025 19:16	WG2450269
Iron, Total Recoverable	228		14.1	100	1	02/13/2025 19:16	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:16	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:16	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:16	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:16	WG2450269
Selenium, Total Recoverable	8.05	I	7.40	10.0	1	02/13/2025 19:16	WG2450269

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

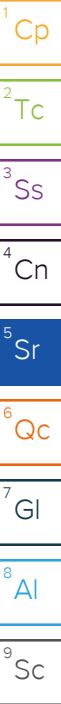
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.444	1	0.250	2.00	1	02/14/2025 17:00	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:00	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:00	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:00	WG2451245
Vanadium, Total Recoverable	3.35	1	0.180	5.00	1	02/14/2025 17:00	WG2451245
Zinc, Total Recoverable	4.80	1	2.56	25.0	1	02/14/2025 17:00	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 17:33	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 17:33	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 17:33	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 17:33	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 17:33	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 17:33	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 17:33	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 17:33	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 17:33	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 17:33	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 17:33	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 17:33	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 17:33	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 17:33	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 17:33	WG2451207
Acetone	1.07	1	1.05	25.0	1	02/13/2025 17:33	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 17:33	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 17:33	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 17:33	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 17:33	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 17:33	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 17:33	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 17:33	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 17:33	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 17:33	WG2451207
Chloroethane	0.260	1	0.141	2.50	1	02/13/2025 17:33	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 17:33	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 17:33	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 17:33	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 17:33	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 17:33	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 17:33	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 17:33	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 17:33	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 17:33	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 17:33	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 17:33	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 17:33	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 17:33	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 17:33	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 17:33	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 17:33	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 17:33	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 17:33	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 17:33	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 17:33	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	89.8			77.0-126		02/13/2025 17:33	WG2451207
(S) Toluene-d8	90.8			80.0-120		02/13/2025 17:33	WG2451207
(S) 1,2-Dichloroethane-d4	104			70.0-130		02/13/2025 17:33	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00240	U	0.00240	0.0100	1	02/18/2025 03:35	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	118.56	ft
pH (On Site)	6.14	su
Temperature (on-site)	27.4	Deg. C
Specific Conductance (on site)	517	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	4.59	NTU
eH/ORP (On Site)	-41	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	391		10.0	1	02/12/2025 10:27	WG2449631

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	8.18		0.0519	1.00	1	02/12/2025 00:21	WG2449542
Fluoride	0.0950	I V	0.00990	0.100	1	02/12/2025 00:21	WG2449542
Nitrate as (N)	0.0641	I V	0.0227	0.100	1	02/12/2025 00:21	WG2449542
Sulfate	90.5		0.0774	5.00	1	02/12/2025 00:21	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.610		0.0317	0.100	1	02/11/2025 20:00	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:13	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	107		0.0463	1.00	1	02/13/2025 19:18	WG2450269
Sodium, Total Recoverable	3.16		0.0111	1.00	1	02/13/2025 19:18	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:18	WG2450269
Barium, Total Recoverable	10.0		1.70	5.00	1	02/13/2025 19:18	WG2450269
Boron, Total Recoverable	17.7	I	12.6	200	1	02/13/2025 19:18	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:18	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:18	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:18	WG2450269
Copper, Total Recoverable	6.88	I V	5.30	10.0	1	02/13/2025 19:18	WG2450269
Iron, Total Recoverable	407		14.1	100	1	02/13/2025 19:18	WG2450269
Lithium, Total Recoverable	5.51	I	5.30	15.0	1	02/13/2025 19:18	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:18	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:18	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:18	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:18	WG2450269

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	1.21	1	0.250	2.00	1	02/14/2025 17:04	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:04	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:04	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:04	WG2451245
Vanadium, Total Recoverable	1.92	1	0.180	5.00	1	02/14/2025 17:04	WG2451245
Zinc, Total Recoverable	2.56	1	2.56	25.0	1	02/14/2025 17:04	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 17:56	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 17:56	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 17:56	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 17:56	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 17:56	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 17:56	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 17:56	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 17:56	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 17:56	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 17:56	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 17:56	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 17:56	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 17:56	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 17:56	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 17:56	WG2451207
Acetone	1.05	1	1.05	25.0	1	02/13/2025 17:56	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 17:56	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 17:56	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 17:56	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 17:56	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 17:56	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 17:56	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 17:56	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 17:56	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 17:56	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 17:56	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 17:56	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 17:56	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 17:56	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 17:56	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 17:56	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 17:56	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 17:56	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 17:56	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 17:56	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 17:56	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 17:56	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 17:56	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 17:56	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 17:56	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 17:56	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 17:56	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 17:56	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 17:56	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 17:56	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 17:56	WG2451207

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	89.7			77.0-126		02/13/2025 17:56	WG2451207
(S) Toluene-d8	90.9			80.0-120		02/13/2025 17:56	WG2451207
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/13/2025 17:56	WG2451207

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00240	U	0.00240	0.0100	1	02/18/2025 03:53	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.53	ft
pH (On Site)	5.68	su
Temperature (on-site)	22.9	Deg. C
Specific Conductance (on site)	150	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	4.77	NTU
eH/ORP (On Site)	-6	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	172		10.0	1	02/12/2025 10:27	WG2449631

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	12.8		0.0519	1.00	1	02/12/2025 00:35	WG2449542
Fluoride	0.196	V	0.00990	0.100	1	02/12/2025 00:35	WG2449542
Nitrate as (N)	0.0227	U	0.0227	0.100	1	02/12/2025 00:35	WG2449542
Sulfate	14.6		0.0774	5.00	1	02/12/2025 00:35	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0330	I	0.0317	0.100	1	02/11/2025 20:01	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:16	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	19.0		0.0463	1.00	1	02/13/2025 19:21	WG2450269
Sodium,Total Recoverable	7.25		0.0111	1.00	1	02/13/2025 19:21	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:21	WG2450269
Barium,Total Recoverable	4.64	I	1.70	5.00	1	02/13/2025 19:21	WG2450269
Boron,Total Recoverable	13.9	I	12.6	200	1	02/13/2025 19:21	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:21	WG2450269
Cobalt,Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:21	WG2450269
Chromium, Total Recoverable	2.14	I	1.40	10.0	1	02/13/2025 19:21	WG2450269
Copper, Total Recoverable	6.16	I V	5.30	10.0	1	02/13/2025 19:21	WG2450269
Iron, Total Recoverable	1530		14.1	100	1	02/13/2025 19:21	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:21	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:21	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:21	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:21	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:21	WG2450269

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.533	1	0.250	2.00	1	02/14/2025 17:34	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:34	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:34	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:34	WG2451245
Vanadium, Total Recoverable	2.77	1	0.180	5.00	1	02/14/2025 17:34	WG2451245
Zinc, Total Recoverable	3.32	1	2.56	25.0	1	02/14/2025 17:34	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 18:18	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 18:18	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 18:18	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 18:18	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 18:18	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 18:18	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 18:18	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 18:18	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 18:18	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 18:18	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 18:18	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 18:18	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 18:18	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 18:18	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 18:18	WG2451207
Acetone	1.36	1	1.05	25.0	1	02/13/2025 18:18	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 18:18	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 18:18	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 18:18	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 18:18	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 18:18	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 18:18	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 18:18	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 18:18	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 18:18	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 18:18	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 18:18	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 18:18	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 18:18	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 18:18	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 18:18	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 18:18	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 18:18	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 18:18	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 18:18	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 18:18	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 18:18	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 18:18	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 18:18	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 18:18	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 18:18	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 18:18	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 18:18	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 18:18	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 18:18	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 18:18	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	89.3			77.0-126		02/13/2025 18:18	WG2451207
(S) Toluene-d8	92.0			80.0-120		02/13/2025 18:18	WG2451207
(S) 1,2-Dichloroethane-d4	102			70.0-130		02/13/2025 18:18	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00240	U	0.00240	0.0100	1	02/18/2025 04:29	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.84	ft
pH (On Site)	5.37	su
Temperature (on-site)	23.3	Deg. C
Specific Conductance (on site)	92	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	1.52	NTU
eH/ORP (On Site)	-7	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	68.0		10.0	1	02/12/2025 13:40	WG2450202

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	15.5		0.0519	1.00	1	02/12/2025 00:48	WG2449542
Fluoride	0.147	V	0.00990	0.100	1	02/12/2025 00:48	WG2449542
Nitrate as (N)	0.0591	IV	0.0227	0.100	1	02/12/2025 00:48	WG2449542
Sulfate	1.67	IV	0.0774	5.00	1	02/12/2025 00:48	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.149		0.0317	0.100	1	02/11/2025 20:03	WG2449893

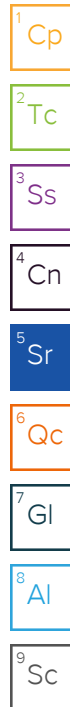
Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:18	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	7.40		0.0463	1.00	1	02/13/2025 19:24	WG2450269
Sodium, Total Recoverable	7.22		0.0111	1.00	1	02/13/2025 19:24	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:24	WG2450269
Barium, Total Recoverable	9.15		1.70	5.00	1	02/13/2025 19:24	WG2450269
Boron, Total Recoverable	12.6	U	12.6	200	1	02/13/2025 19:24	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:24	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:24	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:24	WG2450269
Copper, Total Recoverable	6.56	IV	5.30	10.0	1	02/13/2025 19:24	WG2450269
Iron, Total Recoverable	2820		14.1	100	1	02/13/2025 19:24	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:24	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:24	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:24	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:24	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:24	WG2450269

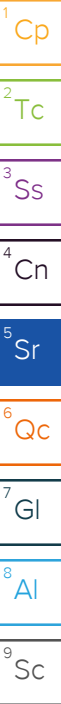


Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.478	1	0.250	2.00	1	02/14/2025 17:10	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:10	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:10	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:10	WG2451245
Vanadium, Total Recoverable	2.56	1	0.180	5.00	1	02/14/2025 17:10	WG2451245
Zinc, Total Recoverable	2.90	1	2.56	25.0	1	02/14/2025 17:10	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 18:40	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 18:40	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 18:40	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 18:40	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 18:40	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 18:40	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 18:40	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 18:40	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 18:40	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 18:40	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 18:40	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 18:40	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 18:40	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 18:40	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 18:40	WG2451207
Acetone	12.7	1	1.05	25.0	1	02/13/2025 18:40	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 18:40	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 18:40	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 18:40	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 18:40	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 18:40	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 18:40	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 18:40	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 18:40	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 18:40	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 18:40	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 18:40	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 18:40	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 18:40	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 18:40	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 18:40	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 18:40	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 18:40	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 18:40	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 18:40	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 18:40	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 18:40	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 18:40	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 18:40	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 18:40	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 18:40	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 18:40	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 18:40	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 18:40	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 18:40	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 18:40	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	90.3			77.0-126		02/13/2025 18:40	WG2451207
(S) Toluene-d8	91.4			80.0-120		02/13/2025 18:40	WG2451207
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/13/2025 18:40	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00242	U	0.00242	0.0101	1.01	02/18/2025 04:48	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	121.84	ft
pH (On Site)	5.58	su
Temperature (on-site)	23.3	Deg. C
Specific Conductance (on site)	238	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	.74	NTU
eH/ORP (On Site)	-5	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	176		10.0	1	02/12/2025 13:40	WG2450202

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	34.4		0.0519	1.00	1	02/12/2025 01:01	WG2449542
Fluoride	0.114	V	0.00990	0.100	1	02/12/2025 01:01	WG2449542
Nitrate as (N)	0.0227	U	0.0227	0.100	1	02/12/2025 01:01	WG2449542
Sulfate	32.7		0.0774	5.00	1	02/12/2025 01:01	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.711		0.0317	0.100	1	02/11/2025 20:09	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:21	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	25.4		0.0463	1.00	1	02/13/2025 19:32	WG2450269
Sodium, Total Recoverable	14.4		0.0111	1.00	1	02/13/2025 19:32	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:32	WG2450269
Barium, Total Recoverable	10.1		1.70	5.00	1	02/13/2025 19:32	WG2450269
Boron, Total Recoverable	12.6	U	12.6	200	1	02/13/2025 19:32	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:32	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:32	WG2450269
Chromium, Total Recoverable	1.95	I	1.40	10.0	1	02/13/2025 19:32	WG2450269
Copper, Total Recoverable	5.52	I V	5.30	10.0	1	02/13/2025 19:32	WG2450269
Iron, Total Recoverable	479		14.1	100	1	02/13/2025 19:32	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:32	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:32	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:32	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:32	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:32	WG2450269

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

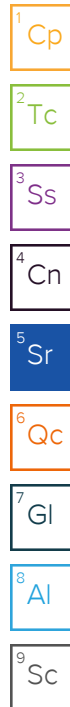
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.826	1	0.250	2.00	1	02/14/2025 17:14	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:14	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:14	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:14	WG2451245
Vanadium, Total Recoverable	2.29	1	0.180	5.00	1	02/14/2025 17:14	WG2451245
Zinc, Total Recoverable	2.56	1	2.56	25.0	1	02/14/2025 17:14	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 19:02	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 19:02	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 19:02	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 19:02	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 19:02	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 19:02	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 19:02	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 19:02	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 19:02	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 19:02	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 19:02	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 19:02	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 19:02	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 19:02	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 19:02	WG2451207
Acetone	1.05	1	1.05	25.0	1	02/13/2025 19:02	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 19:02	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 19:02	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 19:02	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 19:02	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 19:02	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 19:02	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 19:02	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 19:02	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 19:02	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 19:02	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 19:02	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 19:02	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 19:02	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 19:02	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 19:02	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 19:02	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 19:02	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 19:02	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 19:02	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 19:02	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 19:02	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 19:02	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 19:02	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 19:02	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 19:02	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 19:02	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 19:02	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 19:02	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 19:02	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 19:02	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	88.1			77.0-126		02/13/2025 19:02	WG2451207
(S) Toluene-d8	90.8			80.0-120		02/13/2025 19:02	WG2451207
(S) 1,2-Dichloroethane-d4	107			70.0-130		02/13/2025 19:02	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00247	U	0.00247	0.0103	1.03	02/18/2025 05:07	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	123.25	ft
pH (On Site)	4.59	su
Temperature (on-site)	21.5	Deg. C
Specific Conductance (on site)	320	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	3.37	NTU
eH/ORP (On Site)	128	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	201		10.0	1	02/12/2025 13:40	WG2450202

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	9.97		0.0519	1.00	1	02/12/2025 01:15	WG2449542
Fluoride	0.187	V	0.00990	0.100	1	02/12/2025 01:15	WG2449542
Nitrate as (N)	0.0227	U	0.0227	0.100	1	02/12/2025 01:15	WG2449542
Sulfate	127		0.387	25.0	5	02/12/2025 03:56	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.258		0.0317	0.100	1	02/11/2025 20:18	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:24	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	5.32		0.0463	1.00	1	02/13/2025 19:35	WG2450269
Sodium,Total Recoverable	32.8		0.0111	1.00	1	02/13/2025 19:35	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:35	WG2450269
Barium,Total Recoverable	33.4		1.70	5.00	1	02/13/2025 19:35	WG2450269
Boron,Total Recoverable	12.6	U	12.6	200	1	02/13/2025 19:35	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:35	WG2450269
Cobalt,Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:35	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:35	WG2450269
Copper, Total Recoverable	8.07	I V	5.30	10.0	1	02/13/2025 19:35	WG2450269
Iron, Total Recoverable	1880		14.1	100	1	02/13/2025 19:35	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:35	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:35	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:35	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:35	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:35	WG2450269

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.250	CC	0.250	2.00	1	02/14/2025 17:17	WG2451245
Beryllium, Total Recoverable	0.120	CC	0.120	2.00	1	02/14/2025 17:17	WG2451245
Antimony, Total Recoverable	0.754	CC	0.754	2.00	1	02/14/2025 17:17	WG2451245
Thallium, Total Recoverable	0.190	CC	0.190	2.00	1	02/14/2025 17:17	WG2451245
Vanadium, Total Recoverable	3.24	CC	0.180	5.00	1	02/14/2025 17:17	WG2451245
Zinc, Total Recoverable	2.56	CC	2.56	25.0	1	02/14/2025 17:17	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	CC	0.120	0.500	1	02/13/2025 19:25	WG2451207
1,1,1-Trichloroethane	0.0940	CC	0.0940	0.500	1	02/13/2025 19:25	WG2451207
1,1,2,2-Tetrachloroethane	0.130	CC	0.130	0.500	1	02/13/2025 19:25	WG2451207
1,1,2-Trichloroethane	0.0940	CC	0.0940	0.500	1	02/13/2025 19:25	WG2451207
1,1-Dichloroethane	0.114	CC	0.114	0.500	1	02/13/2025 19:25	WG2451207
1,1-Dichloroethene	0.188	CC	0.188	0.500	1	02/13/2025 19:25	WG2451207
1,2,3-Trichloropropane	0.247	CC	0.247	2.50	1	02/13/2025 19:25	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	CC	0.325	2.50	1	02/13/2025 19:25	WG2451207
1,2-Dichlorobenzene	0.101	CC	0.101	0.500	1	02/13/2025 19:25	WG2451207
1,2-Dichloroethane	0.108	CC	0.108	0.500	1	02/13/2025 19:25	WG2451207
1,2-Dichloropropane	0.190	CC	0.190	0.500	1	02/13/2025 19:25	WG2451207
1,4-Dichlorobenzene	0.121	CC	0.121	0.500	1	02/13/2025 19:25	WG2451207
2-Butanone (MEK)	1.28	CC	1.28	5.00	1	02/13/2025 19:25	WG2451207
2-Hexanone	0.757	CC	0.757	5.00	1	02/13/2025 19:25	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	CC	0.823	5.00	1	02/13/2025 19:25	WG2451207
Acetone	1.05	CC	1.05	25.0	1	02/13/2025 19:25	WG2451207
Acrylonitrile	0.873	CC	0.873	5.00	1	02/13/2025 19:25	WG2451207
Benzene	0.0896	CC	0.0896	0.500	1	02/13/2025 19:25	WG2451207
Bromochloromethane	0.145	CC	0.145	0.500	1	02/13/2025 19:25	WG2451207
Bromodichloromethane	0.0800	CC	0.0800	0.500	1	02/13/2025 19:25	WG2451207
Bromoform	0.186	CC	0.186	0.500	1	02/13/2025 19:25	WG2451207
Bromomethane	0.157	CC	0.157	2.50	1	02/13/2025 19:25	WG2451207
Carbon disulfide	0.101	CC	0.101	0.500	1	02/13/2025 19:25	WG2451207
Carbon tetrachloride	0.159	CC	0.159	0.500	1	02/13/2025 19:25	WG2451207
Chlorobenzene	0.140	CC	0.140	0.500	1	02/13/2025 19:25	WG2451207
Chloroethane	0.141	CC	0.141	2.50	1	02/13/2025 19:25	WG2451207
Chloroform	0.0860	CC	0.0860	0.500	1	02/13/2025 19:25	WG2451207
Chloromethane	0.153	CC	0.153	1.25	1	02/13/2025 19:25	WG2451207
Dibromochloromethane	0.128	CC	0.128	0.500	1	02/13/2025 19:25	WG2451207
Dibromomethane	0.117	CC	0.117	0.500	1	02/13/2025 19:25	WG2451207
Ethylbenzene	0.158	CC	0.158	0.500	1	02/13/2025 19:25	WG2451207
Iodomethane	0.377	CC	0.377	10.0	1	02/13/2025 19:25	WG2451207
Methylene Chloride	1.07	CC	1.07	2.50	1	02/13/2025 19:25	WG2451207
Styrene	0.117	CC	0.117	0.500	1	02/13/2025 19:25	WG2451207
Tetrachloroethene	0.199	CC	0.199	0.500	1	02/13/2025 19:25	WG2451207
Toluene	0.412	CC	0.412	0.500	1	02/13/2025 19:25	WG2451207
Trichloroethene	0.153	CC	0.153	0.500	1	02/13/2025 19:25	WG2451207
Trichlorofluoromethane	0.130	CC	0.130	2.50	1	02/13/2025 19:25	WG2451207
Vinyl acetate	0.645	CC	0.645	5.00	1	02/13/2025 19:25	WG2451207
Vinyl chloride	0.118	CC	0.118	0.500	1	02/13/2025 19:25	WG2451207
Xylenes, Total	0.316	CC	0.316	1.50	1	02/13/2025 19:25	WG2451207
cis-1,2-Dichloroethene	0.0933	CC	0.0933	0.500	1	02/13/2025 19:25	WG2451207
cis-1,3-Dichloropropene	0.0976	CC	0.0976	0.500	1	02/13/2025 19:25	WG2451207
trans-1,2-Dichloroethene	0.152	CC	0.152	0.500	1	02/13/2025 19:25	WG2451207
trans-1,3-Dichloropropene	0.222	CC	0.222	0.500	1	02/13/2025 19:25	WG2451207
trans-1,4-Dichloro-2-butene	0.257	CC	0.257	5.00	1	02/13/2025 19:25	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	87.3			77.0-126		02/13/2025 19:25	WG2451207
(S) Toluene-d8	89.6			80.0-120		02/13/2025 19:25	WG2451207
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/13/2025 19:25	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00245	U	0.00245	0.0102	1.02	02/18/2025 05:26	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.73	ft
pH (On Site)	5.62	su
Temperature (on-site)	22.3	Deg. C
Specific Conductance (on site)	346	umhos/cm
Dissolved Oxygen (on-site)	.9	mg/l
Turbidity (on-site)	3.59	NTU
eH/ORP (On Site)	138	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	204		10.0	1	02/12/2025 13:40	WG2450202

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	7.86		0.0519	1.00	1	02/12/2025 01:28	WG2449542
Fluoride	0.149	V	0.00990	0.100	1	02/12/2025 01:28	WG2449542
Nitrate as (N)	0.254	V	0.0227	0.100	1	02/12/2025 01:28	WG2449542
Sulfate	98.7		0.0774	5.00	1	02/12/2025 01:28	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	02/11/2025 20:19	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:26	WG2450062

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	28.8		0.0463	1.00	1	02/13/2025 19:38	WG2450269
Sodium,Total Recoverable	10.2		0.0111	1.00	1	02/13/2025 19:38	WG2450269

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:38	WG2450269
Barium,Total Recoverable	11.9		1.70	5.00	1	02/13/2025 19:38	WG2450269
Boron,Total Recoverable	25.5	I	12.6	200	1	02/13/2025 19:38	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:38	WG2450269
Cobalt,Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:38	WG2450269
Chromium, Total Recoverable	1.67	I	1.40	10.0	1	02/13/2025 19:38	WG2450269
Copper, Total Recoverable	6.82	I V	5.30	10.0	1	02/13/2025 19:38	WG2450269
Iron, Total Recoverable	455		14.1	100	1	02/13/2025 19:38	WG2450269
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	02/13/2025 19:38	WG2450269
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	02/13/2025 19:38	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:38	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:38	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:38	WG2450269

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

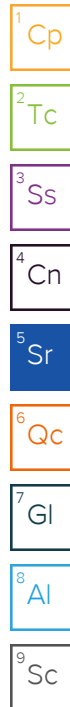
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.254	1	0.250	2.00	1	02/14/2025 17:20	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:20	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:20	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:20	WG2451245
Vanadium, Total Recoverable	3.76	1	0.180	5.00	1	02/14/2025 17:20	WG2451245
Zinc, Total Recoverable	2.56	1	2.56	25.0	1	02/14/2025 17:20	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 19:47	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 19:47	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 19:47	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 19:47	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 19:47	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 19:47	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 19:47	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 19:47	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 19:47	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 19:47	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 19:47	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 19:47	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 19:47	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 19:47	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 19:47	WG2451207
Acetone	1.05	1	1.05	25.0	1	02/13/2025 19:47	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 19:47	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 19:47	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 19:47	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 19:47	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 19:47	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 19:47	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 19:47	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 19:47	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 19:47	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 19:47	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 19:47	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 19:47	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 19:47	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 19:47	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 19:47	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 19:47	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 19:47	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 19:47	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 19:47	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 19:47	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 19:47	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 19:47	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 19:47	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 19:47	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 19:47	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 19:47	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 19:47	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 19:47	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 19:47	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 19:47	WG2451207



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	87.5			77.0-126		02/13/2025 19:47	WG2451207
(S) Toluene-d8	89.7			80.0-120		02/13/2025 19:47	WG2451207
(S) 1,2-Dichloroethane-d4	108			70.0-130		02/13/2025 19:47	WG2451207

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00240	U	0.00240	0.0100	1	02/18/2025 05:44	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	4.78	su
Temperature (on-site)	29.4	Deg. C
Specific Conductance (on site)	180	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	4.03	NTU
eH/ORP (On Site)	85	mV

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	115		10.0	1	02/12/2025 13:40	WG2450202

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	4.87		0.0519	1.00	1	02/12/2025 01:42	WG2449542
Nitrate as (N)	0.0227	U	0.0227	0.100	1	02/12/2025 01:42	WG2449542

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.395		0.0317	0.100	1	02/11/2025 20:21	WG2449893

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	02/16/2025 18:34	WG2450062

Metals (ICP) by Method 6010D

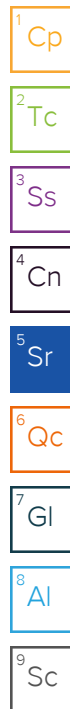
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Sodium, Total Recoverable	4.47		0.0111	1.00	1	02/13/2025 19:40	WG2450269
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	02/13/2025 19:40	WG2450269
Barium, Total Recoverable	19.8		1.70	5.00	1	02/13/2025 19:40	WG2450269
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	02/13/2025 19:40	WG2450269
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	02/13/2025 19:40	WG2450269
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	02/13/2025 19:40	WG2450269
Copper, Total Recoverable	5.65	I V	5.30	10.0	1	02/13/2025 19:40	WG2450269
Iron, Total Recoverable	2180		14.1	100	1	02/13/2025 19:40	WG2450269
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	02/13/2025 19:40	WG2450269
Lead, Total Recoverable	1.90	U	1.90	5.00	1	02/13/2025 19:40	WG2450269
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	02/13/2025 19:40	WG2450269

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.298	1	0.250	2.00	1	02/14/2025 17:24	WG2451245
Beryllium, Total Recoverable	0.120	1	0.120	2.00	1	02/14/2025 17:24	WG2451245
Antimony, Total Recoverable	0.754	1	0.754	2.00	1	02/14/2025 17:24	WG2451245
Thallium, Total Recoverable	0.190	1	0.190	2.00	1	02/14/2025 17:24	WG2451245
Vanadium, Total Recoverable	5.00	1	0.180	5.00	1	02/14/2025 17:24	WG2451245
Zinc, Total Recoverable	2.56	1	2.56	25.0	1	02/14/2025 17:24	WG2451245

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	1	0.120	0.500	1	02/13/2025 20:09	WG2451207
1,1,1-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 20:09	WG2451207
1,1,2,2-Tetrachloroethane	0.130	1	0.130	0.500	1	02/13/2025 20:09	WG2451207
1,1,2-Trichloroethane	0.0940	1	0.0940	0.500	1	02/13/2025 20:09	WG2451207
1,1-Dichloroethane	0.114	1	0.114	0.500	1	02/13/2025 20:09	WG2451207
1,1-Dichloroethene	0.188	1	0.188	0.500	1	02/13/2025 20:09	WG2451207
1,2,3-Trichloropropane	0.247	1	0.247	2.50	1	02/13/2025 20:09	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	1	0.325	2.50	1	02/13/2025 20:09	WG2451207
1,2-Dichlorobenzene	0.101	1	0.101	0.500	1	02/13/2025 20:09	WG2451207
1,2-Dichloroethane	0.108	1	0.108	0.500	1	02/13/2025 20:09	WG2451207
1,2-Dichloropropane	0.190	1	0.190	0.500	1	02/13/2025 20:09	WG2451207
1,4-Dichlorobenzene	0.121	1	0.121	0.500	1	02/13/2025 20:09	WG2451207
2-Butanone (MEK)	1.28	1	1.28	5.00	1	02/13/2025 20:09	WG2451207
2-Hexanone	0.757	1	0.757	5.00	1	02/13/2025 20:09	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	1	0.823	5.00	1	02/13/2025 20:09	WG2451207
Acetone	1.64	1	1.05	25.0	1	02/13/2025 20:09	WG2451207
Acrylonitrile	0.873	1	0.873	5.00	1	02/13/2025 20:09	WG2451207
Benzene	0.0896	1	0.0896	0.500	1	02/13/2025 20:09	WG2451207
Bromochloromethane	0.145	1	0.145	0.500	1	02/13/2025 20:09	WG2451207
Bromodichloromethane	0.0800	1	0.0800	0.500	1	02/13/2025 20:09	WG2451207
Bromoform	0.186	1	0.186	0.500	1	02/13/2025 20:09	WG2451207
Bromomethane	0.157	3 U	0.157	2.50	1	02/13/2025 20:09	WG2451207
Carbon disulfide	0.101	1	0.101	0.500	1	02/13/2025 20:09	WG2451207
Carbon tetrachloride	0.159	1	0.159	0.500	1	02/13/2025 20:09	WG2451207
Chlorobenzene	0.140	1	0.140	0.500	1	02/13/2025 20:09	WG2451207
Chloroethane	0.141	1	0.141	2.50	1	02/13/2025 20:09	WG2451207
Chloroform	0.0860	1	0.0860	0.500	1	02/13/2025 20:09	WG2451207
Chloromethane	0.153	1	0.153	1.25	1	02/13/2025 20:09	WG2451207
Dibromochloromethane	0.128	1	0.128	0.500	1	02/13/2025 20:09	WG2451207
Dibromomethane	0.117	1	0.117	0.500	1	02/13/2025 20:09	WG2451207
Ethylbenzene	0.158	1	0.158	0.500	1	02/13/2025 20:09	WG2451207
Iodomethane	0.377	1	0.377	10.0	1	02/13/2025 20:09	WG2451207
Methylene Chloride	1.07	1	1.07	2.50	1	02/13/2025 20:09	WG2451207
Styrene	0.117	1	0.117	0.500	1	02/13/2025 20:09	WG2451207
Tetrachloroethene	0.199	1	0.199	0.500	1	02/13/2025 20:09	WG2451207
Toluene	0.412	1	0.412	0.500	1	02/13/2025 20:09	WG2451207
Trichloroethene	0.153	1	0.153	0.500	1	02/13/2025 20:09	WG2451207
Trichlorofluoromethane	0.130	1	0.130	2.50	1	02/13/2025 20:09	WG2451207
Vinyl acetate	0.645	1	0.645	5.00	1	02/13/2025 20:09	WG2451207
Vinyl chloride	0.118	1	0.118	0.500	1	02/13/2025 20:09	WG2451207
Xylenes, Total	0.316	1	0.316	1.50	1	02/13/2025 20:09	WG2451207
cis-1,2-Dichloroethene	0.0933	1	0.0933	0.500	1	02/13/2025 20:09	WG2451207
cis-1,3-Dichloropropene	0.0976	1	0.0976	0.500	1	02/13/2025 20:09	WG2451207
trans-1,2-Dichloroethene	0.152	1	0.152	0.500	1	02/13/2025 20:09	WG2451207
trans-1,3-Dichloropropene	0.222	1	0.222	0.500	1	02/13/2025 20:09	WG2451207
trans-1,4-Dichloro-2-butene	0.257	1	0.257	5.00	1	02/13/2025 20:09	WG2451207



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	88.0			77.0-126		02/13/2025 20:09	WG2451207
(S) Toluene-d8	90.9			80.0-120		02/13/2025 20:09	WG2451207
(S) 1,2-Dichloroethane-d4	106			70.0-130		02/13/2025 20:09	WG2451207

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00247	U	0.00247	0.0103	1.03	02/18/2025 06:03	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Units
Sampling Method	Z	

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	02/13/2025 13:28	WG2451207
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	02/13/2025 13:28	WG2451207
1,1,2,2-Tetrachloroethane	0.130	C	0.130	0.500	1	02/13/2025 13:28	WG2451207
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	02/13/2025 13:28	WG2451207
1,1-Dichloroethane	0.114	C	0.114	0.500	1	02/13/2025 13:28	WG2451207
1,1-Dichloroethene	0.188	C	0.188	0.500	1	02/13/2025 13:28	WG2451207
1,2,3-Trichloropropane	0.247	C	0.247	2.50	1	02/13/2025 13:28	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	C	0.325	2.50	1	02/13/2025 13:28	WG2451207
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	02/13/2025 13:28	WG2451207
1,2-Dichloroethane	0.108	C	0.108	0.500	1	02/13/2025 13:28	WG2451207
1,2-Dichloropropane	0.190	C	0.190	0.500	1	02/13/2025 13:28	WG2451207
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	02/13/2025 13:28	WG2451207
2-Butanone (MEK)	1.28	C	1.28	5.00	1	02/13/2025 13:28	WG2451207
2-Hexanone	0.757	C	0.757	5.00	1	02/13/2025 13:28	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	02/13/2025 13:28	WG2451207
Acetone	5.43	C	1.05	25.0	1	02/13/2025 13:28	WG2451207
Acrylonitrile	0.873	C	0.873	5.00	1	02/13/2025 13:28	WG2451207
Benzene	0.0896	C	0.0896	0.500	1	02/13/2025 13:28	WG2451207
Bromochloromethane	0.145	C	0.145	0.500	1	02/13/2025 13:28	WG2451207
Bromodichloromethane	0.0800	C	0.0800	0.500	1	02/13/2025 13:28	WG2451207
Bromoform	0.186	C	0.186	0.500	1	02/13/2025 13:28	WG2451207
Bromomethane	0.157	C	0.157	2.50	1	02/13/2025 13:28	WG2451207
Carbon disulfide	0.101	C	0.101	0.500	1	02/13/2025 13:28	WG2451207
Carbon tetrachloride	0.159	C	0.159	0.500	1	02/13/2025 13:28	WG2451207
Chlorobenzene	0.140	C	0.140	0.500	1	02/13/2025 13:28	WG2451207
Chloroethane	0.141	C	0.141	2.50	1	02/13/2025 13:28	WG2451207
Chloroform	0.0860	C	0.0860	0.500	1	02/13/2025 13:28	WG2451207
Chloromethane	0.153	C	0.153	1.25	1	02/13/2025 13:28	WG2451207
Dibromochloromethane	0.128	C	0.128	0.500	1	02/13/2025 13:28	WG2451207
Dibromomethane	0.117	C	0.117	0.500	1	02/13/2025 13:28	WG2451207
Ethylbenzene	0.158	C	0.158	0.500	1	02/13/2025 13:28	WG2451207
Iodomethane	0.377	C	0.377	10.0	1	02/13/2025 13:28	WG2451207
Methylene Chloride	1.07	C	1.07	2.50	1	02/13/2025 13:28	WG2451207
Styrene	0.117	C	0.117	0.500	1	02/13/2025 13:28	WG2451207
Tetrachloroethene	0.199	C	0.199	0.500	1	02/13/2025 13:28	WG2451207
Toluene	0.412	C	0.412	0.500	1	02/13/2025 13:28	WG2451207
Trichloroethene	0.153	C	0.153	0.500	1	02/13/2025 13:28	WG2451207
Trichlorofluoromethane	0.130	C	0.130	2.50	1	02/13/2025 13:28	WG2451207
Vinyl acetate	0.645	C	0.645	5.00	1	02/13/2025 13:28	WG2451207
Vinyl chloride	0.118	C	0.118	0.500	1	02/13/2025 13:28	WG2451207
Xylenes, Total	0.316	C	0.316	1.50	1	02/13/2025 13:28	WG2451207
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	02/13/2025 13:28	WG2451207
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	02/13/2025 13:28	WG2451207
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	02/13/2025 13:28	WG2451207
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	02/13/2025 13:28	WG2451207
trans-1,4-Dichloro-2-butene	0.257	C	0.257	5.00	1	02/13/2025 13:28	WG2451207
(S) 4-Bromofluorobenzene	89.1			77.0-126		02/13/2025 13:28	WG2451207
(S) Toluene-d8	91.4			80.0-120		02/13/2025 13:28	WG2451207
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/13/2025 13:28	WG2451207

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100	1	02/14/2025 16:54	<u>WG2451349</u>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Units
Sampling Method	Z	

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	02/13/2025 13:51	WG2451207
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	02/13/2025 13:51	WG2451207
1,1,2,2-Tetrachloroethane	0.130	C	0.130	0.500	1	02/13/2025 13:51	WG2451207
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	02/13/2025 13:51	WG2451207
1,1-Dichloroethane	0.114	C	0.114	0.500	1	02/13/2025 13:51	WG2451207
1,1-Dichloroethene	0.188	C	0.188	0.500	1	02/13/2025 13:51	WG2451207
1,2,3-Trichloropropane	0.247	C	0.247	2.50	1	02/13/2025 13:51	WG2451207
1,2-Dibromo-3-Chloropropane	0.325	C	0.325	2.50	1	02/13/2025 13:51	WG2451207
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	02/13/2025 13:51	WG2451207
1,2-Dichloroethane	0.108	C	0.108	0.500	1	02/13/2025 13:51	WG2451207
1,2-Dichloropropane	0.190	C U	0.190	0.500	1	02/13/2025 13:51	WG2451207
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	02/13/2025 13:51	WG2451207
2-Butanone (MEK)	1.28	C	1.28	5.00	1	02/13/2025 13:51	WG2451207
2-Hexanone	0.757	C	0.757	5.00	1	02/13/2025 13:51	WG2451207
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	02/13/2025 13:51	WG2451207
Acetone	4.20	C	1.05	25.0	1	02/13/2025 13:51	WG2451207
Acrylonitrile	0.873	C	0.873	5.00	1	02/13/2025 13:51	WG2451207
Benzene	0.0896	C	0.0896	0.500	1	02/13/2025 13:51	WG2451207
Bromochloromethane	0.145	C	0.145	0.500	1	02/13/2025 13:51	WG2451207
Bromodichloromethane	0.0800	C	0.0800	0.500	1	02/13/2025 13:51	WG2451207
Bromoform	0.186	C	0.186	0.500	1	02/13/2025 13:51	WG2451207
Bromomethane	0.157	C3 U	0.157	2.50	1	02/13/2025 13:51	WG2451207
Carbon disulfide	0.101	C	0.101	0.500	1	02/13/2025 13:51	WG2451207
Carbon tetrachloride	0.159	C	0.159	0.500	1	02/13/2025 13:51	WG2451207
Chlorobenzene	0.140	C	0.140	0.500	1	02/13/2025 13:51	WG2451207
Chloroethane	0.141	C	0.141	2.50	1	02/13/2025 13:51	WG2451207
Chloroform	0.0860	C	0.0860	0.500	1	02/13/2025 13:51	WG2451207
Chloromethane	0.153	C	0.153	1.25	1	02/13/2025 13:51	WG2451207
Dibromochloromethane	0.128	C	0.128	0.500	1	02/13/2025 13:51	WG2451207
Dibromomethane	0.117	C U	0.117	0.500	1	02/13/2025 13:51	WG2451207
Ethylbenzene	0.158	C	0.158	0.500	1	02/13/2025 13:51	WG2451207
Iodomethane	0.377	C	0.377	10.0	1	02/13/2025 13:51	WG2451207
Methylene Chloride	1.07	C	1.07	2.50	1	02/13/2025 13:51	WG2451207
Styrene	0.117	C	0.117	0.500	1	02/13/2025 13:51	WG2451207
Tetrachloroethene	0.199	C	0.199	0.500	1	02/13/2025 13:51	WG2451207
Toluene	0.412	C	0.412	0.500	1	02/13/2025 13:51	WG2451207
Trichloroethene	0.153	C	0.153	0.500	1	02/13/2025 13:51	WG2451207
Trichlorofluoromethane	0.130	C	0.130	2.50	1	02/13/2025 13:51	WG2451207
Vinyl acetate	0.645	C	0.645	5.00	1	02/13/2025 13:51	WG2451207
Vinyl chloride	0.118	C	0.118	0.500	1	02/13/2025 13:51	WG2451207
Xylenes, Total	0.316	C	0.316	1.50	1	02/13/2025 13:51	WG2451207
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	02/13/2025 13:51	WG2451207
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	02/13/2025 13:51	WG2451207
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	02/13/2025 13:51	WG2451207
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	02/13/2025 13:51	WG2451207
trans-1,4-Dichloro-2-butene	0.257	C	0.257	5.00	1	02/13/2025 13:51	WG2451207
(S) 4-Bromofluorobenzene	89.7			77.0-126		02/13/2025 13:51	WG2451207
(S) Toluene-d8	90.2			80.0-120		02/13/2025 13:51	WG2451207
(S) 1,2-Dichloroethane-d4	101			70.0-130		02/13/2025 13:51	WG2451207

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100	1	02/18/2025 06:21	WG2453072

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4177429-1 02/12/25 10:27

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	2.82	U	2.82	10.0

L1825039-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1825039-04 02/12/25 10:27 • (DUP) R4177429-3 02/14/25 06:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	2250	2200	1	2.47		10

L1825214-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1825214-05 02/12/25 10:27 • (DUP) R4177429-4 02/14/25 06:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	172	174	1	1.16		10

Laboratory Control Sample (LCS)

(LCS) R4177429-2 02/12/25 10:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8540	97.0	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4177416-1 02/12/25 13:40

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	2.82	U	2.82	10.0

L1823605-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1823605-01 02/12/25 13:40 • (DUP) R4177416-3 02/12/25 13:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	125	122	1	2.43		10

L1825567-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1825567-01 02/12/25 13:40 • (DUP) R4177416-4 02/12/25 13:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	509	504	1	1.05		10

Laboratory Control Sample (LCS)

(LCS) R4177416-2 02/12/25 13:40

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8660	98.4	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4175774-1 02/11/25 19:40

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	0.234		0.0519	1.00
Fluoride	0.0709		0.00990	0.100
Nitrate as (N)	0.0595		0.0227	0.100
Sulfate	0.613		0.0774	5.00

L1825162-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1825162-01 02/11/25 20:07 • (DUP) R4175774-3 02/11/25 20:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	16.5	16.5	1	0.455		15
Fluoride	1.63	1.74	1	6.71		15
Nitrate as (N)	1.79	1.79	1	0.123		15
Sulfate	36.8	36.1	1	1.88		15

L1825170-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1825170-02 02/11/25 21:00 • (DUP) R4175774-5 02/11/25 21:14

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	0.746	0.750	1	0.628	!	15
Fluoride	5.52	5.42	1	1.92		15
Nitrate as (N)	0.157	0.155	1	1.15		15
Sulfate	14.0	13.4	1	4.85		15

Laboratory Control Sample (LCS)

(LCS) R4175774-2 02/11/25 19:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	38.7	96.8	90.0-110	
Fluoride	8.00	8.14	102	90.0-110	
Nitrate as (N)	8.00	7.99	99.9	90.0-110	
Sulfate	40.0	39.3	98.2	90.0-110	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1825162-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1825162-01 02/11/25 20:07 • (MS) R4175774-4 02/11/25 20:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	16.5	51.8	88.1	1	90.0-110	<u>J</u>
Fluoride	8.00	1.63	9.31	96.0	1	90.0-110	
Nitrate as (N)	8.00	1.79	9.54	96.8	1	90.0-110	
Sulfate	40.0	36.8	68.2	78.5	1	90.0-110	<u>J</u>

L1825170-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825170-02 02/11/25 21:00 • (MS) R4175774-6 02/11/25 21:27 • (MSD) R4175774-7 02/11/25 21:40

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40.0	0.746	39.2	38.4	96.1	94.2	1	90.0-110			2.04	15
Fluoride	8.00	5.52	12.3	11.9	84.2	79.9	1	90.0-110	<u>J L</u>	<u>J L</u>	2.86	15
Nitrate as (N)	8.00	0.157	8.07	7.92	98.9	97.1	1	90.0-110			1.84	15
Sulfate	40.0	14.0	50.7	48.9	91.6	87.2	1	90.0-110		<u>J</u>	3.55	15

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4175641-1 02/11/25 19:37

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

L1825214-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1825214-06 02/11/25 20:03 • (DUP) R4175641-3 02/11/25 20:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.149	0.151	1	1.33		10

L1825214-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1825214-07 02/11/25 20:09 • (DUP) R4175641-6 02/11/25 20:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.711	0.722	1	1.54		10

Laboratory Control Sample (LCS)

(LCS) R4175641-2 02/11/25 19:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.80	104	90.0-110	

L1825214-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825214-06 02/11/25 20:03 • (MS) R4175641-4 02/11/25 20:06 • (MSD) R4175641-5 02/11/25 20:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.149	5.13	5.05	99.7	98.1	1	90.0-110			1.57	10

L1825214-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1825214-07 02/11/25 20:09 • (MS) R4175641-7 02/11/25 20:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.711	5.72	100	1	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4177170-1 02/16/25 15:51

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	0.0490	<u>U</u>	0.0490	0.200

Laboratory Control Sample (LCS)

(LCS) R4177170-2 02/16/25 15:54

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	3.28	109	80.0-120	

L1824725-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824725-01 02/16/25 15:56 • (MS) R4177170-4 02/16/25 16:01 • (MSD) R4177170-5 02/16/25 16:04

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	0.0490	3.31	3.31	110	110	1	75.0-125			0.254	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4177174-1 02/16/25 17:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Mercury	0.0490	<u>U</u>	0.0490	0.200

Laboratory Control Sample (LCS)

(LCS) R4177174-2 02/16/25 17:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	3.00	3.04	101	80.0-120	

L1825218-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825218-05 02/16/25 17:55 • (MS) R4177174-4 02/16/25 18:05 • (MSD) R4177174-5 02/16/25 18:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	3.00	0.0490	3.01	2.92	100	97.3	1	75.0-125			3.13	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

${}^1\text{Cp}$ ${}^2\text{Tc}$ 3S_s ${}^4\text{Cn}$ ${}^5\text{Sr}$ ${}^6\text{Qc}$ GI ${}^8\text{Al}$ ⁹Sc

(LCS) R4176566-2 02/13/25 18:28

ACCOUNT:

L1824943-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824943-11 02/13/25 18:31 • (MS) R4176566-4 02/13/25 18:36 • (MSD) R4176566-5 02/13/25 18:38

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	200		196	194	97.9	97.1	1	75.0-125			0.833	20
Barium,Total Recoverable	1000		2020	2000	98.1	96.3	1	75.0-125			0.847	20
Boron,Total Recoverable	1000		1170	1160	101	99.5	1	75.0-125			1.09	20
Calcium, Total Recoverable	10.0	174	180	179	61.6	46.5	1	75.0-125	J	J	0.841	20
Cadmium, Total Recoverable	1000		1030	1020	103	102	1	75.0-125			0.793	20
Chromium, Total Recoverable	1000		1040	1030	104	103	1	75.0-125			0.897	20
Cobalt,Total Recoverable	1000		1000	991	100	99.1	1	75.0-125			1.22	20
Copper, Total Recoverable	1000		1030	1030	103	103	1	75.0-125			0.307	20
Iron, Total Recoverable	10000		34100	33800	104	100	1	75.0-125			1.11	20
Nickel, Total Recoverable	1000		1010	994	100	99.1	1	75.0-125			1.15	20
Lead, Total Recoverable	1000		1030	1020	102	101	1	75.0-125			0.566	20
Lithium, Total Recoverable	1000		1100	1100	105	105	1	75.0-125			0.384	20
Molybdenum, Total Recoverable	1000		1030	1030	103	103	1	75.0-125			0.199	20
Sodium,Total Recoverable	10.0	24.6	34.5	34.1	98.6	94.6	1	75.0-125			1.15	20
Selenium, Total Recoverable	1000		1020	1010	102	101	1	75.0-125			1.16	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4176915-1 02/14/25 16:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic, Total Recoverable	0.250	⚠	0.250	2.00
Beryllium, Total Recoverable	0.120	⚠	0.120	2.00
Antimony, Total Recoverable	0.754	⚠	0.754	2.00
Thallium, Total Recoverable	0.190	⚠	0.190	2.00
Vanadium, Total Recoverable	0.180	⚠	0.180	5.00
Zinc, Total Recoverable	2.56	⚠	2.56	25.0

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4176915-2 02/14/25 16:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	50.0	49.2	98.4	80.0-120	
Beryllium, Total Recoverable	50.0	47.4	94.7	80.0-120	
Antimony, Total Recoverable	50.0	51.8	104	80.0-120	
Thallium, Total Recoverable	50.0	51.9	104	80.0-120	
Vanadium, Total Recoverable	50.0	50.0	99.9	80.0-120	
Zinc, Total Recoverable	50.0	52.4	105	80.0-120	

L1825126-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825126-04 02/14/25 16:17 • (MS) R4176915-4 02/14/25 16:24 • (MSD) R4176915-5 02/14/25 16:27

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	50.0	0.250	49.9	50.4	99.4	100	1	75.0-125			1.02	20
Beryllium, Total Recoverable	50.0	0.120	46.3	44.1	92.6	88.1	1	75.0-125			4.96	20
Antimony, Total Recoverable	50.0	0.754	52.4	51.8	105	104	1	75.0-125			1.17	20
Thallium, Total Recoverable	50.0	0.190	51.9	52.3	104	105	1	75.0-125			0.751	20
Vanadium, Total Recoverable	50.0	0.435	50.7	51.1	101	102	1	75.0-125			0.776	20
Zinc, Total Recoverable	50.0	2.60	49.6	50.7	99.3	101	1	75.0-125			2.20	20

Method Blank (MB)

(MB) R4176845-3 02/13/25 10:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	0.120	jc	0.120	0.500
1,1,1-Trichloroethane	0.0940	jc	0.0940	0.500
1,1,2,2-Tetrachloroethane	0.130	jc	0.130	0.500
1,1,2-Trichloroethane	0.0940	jc	0.0940	0.500
1,1-Dichloroethane	0.114	jc	0.114	0.500
1,1-Dichloroethene	0.188	jc	0.188	0.500
1,2,3-Trichloropropane	0.247	jc	0.247	2.50
1,2-Dibromo-3-Chloropropane	0.325	jc	0.325	2.50
1,2-Dichlorobenzene	0.101	jc	0.101	0.500
1,2-Dichloroethane	0.108	jc	0.108	0.500
1,2-Dichloropropane	0.190	jc	0.190	0.500
1,4-Dichlorobenzene	0.121	jc	0.121	0.500
2-Butanone (MEK)	1.28	jc	1.28	5.00
2-Hexanone	0.757	jc	0.757	5.00
4-Methyl-2-pentanone (MIBK)	0.823	jc	0.823	5.00
Acetone	1.05	jc	1.05	25.0
Acrylonitrile	0.873	jc	0.873	5.00
Benzene	0.0896	jc	0.0896	0.500
Bromochloromethane	0.145	jc	0.145	0.500
Bromodichloromethane	0.0800	jc	0.0800	0.500
Bromoform	0.186	jc	0.186	0.500
Bromomethane	0.157	jc	0.157	2.50
Carbon disulfide	0.101	jc	0.101	0.500
Carbon tetrachloride	0.159	jc	0.159	0.500
Chlorobenzene	0.140	jc	0.140	0.500
Chloroethane	0.141	jc	0.141	2.50
Chloroform	0.0860	jc	0.0860	0.500
Chloromethane	0.153	jc	0.153	1.25
Dibromochloromethane	0.128	jc	0.128	0.500
Dibromomethane	0.117	jc	0.117	0.500
Ethylbenzene	0.158	jc	0.158	0.500
Iodomethane	0.377	jc	0.377	10.0
Methylene Chloride	1.07	jc	1.07	2.50
Styrene	0.117	jc	0.117	0.500
Tetrachloroethene	0.199	jc	0.199	0.500
Toluene	0.412	jc	0.412	0.500
Trichloroethene	0.153	jc	0.153	0.500
Trichlorofluoromethane	0.130	jc	0.130	2.50
Vinyl acetate	0.645	jc	0.645	5.00
Vinyl chloride	0.118	jc	0.118	0.500

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4176845-3 02/13/25 10:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Xylenes, Total	0.316	⋈	0.316	1.50
cis-1,2-Dichloroethene	0.0933	⋈	0.0933	0.500
cis-1,3-Dichloropropene	0.0976	⋈	0.0976	0.500
trans-1,2-Dichloroethene	0.152	⋈	0.152	0.500
trans-1,3-Dichloropropene	0.222	⋈	0.222	0.500
trans-1,4-Dichloro-2-butene	0.257	⋈	0.257	5.00
(S) 4-Bromofluorobenzene	90.4			77.0-126
(S) Toluene-d8	90.9			80.0-120
(S) 1,2-Dichloroethane-d4	97.5			70.0-130

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

(LCS) R4176845-1 02/13/25 09:36 • (LCSD) R4176845-2 02/13/25 09:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	4.41	4.33	88.2	86.6	75.0-125			1.83	20
1,1,1-Trichloroethane	5.00	5.31	5.19	106	104	73.0-124			2.29	20
1,1,2,2-Tetrachloroethane	5.00	4.98	5.06	99.6	101	65.0-130			1.59	20
1,1,2-Trichloroethane	5.00	5.19	5.33	104	107	80.0-120			2.66	20
1,1-Dichloroethane	5.00	6.08	5.98	122	120	70.0-126			1.66	20
1,1-Dichloroethene	5.00	5.97	5.77	119	115	71.0-124			3.41	20
1,2,3-Trichloropropane	5.00	4.68	4.85	93.6	97.0	73.0-130			3.57	20
1,2-Dibromo-3-Chloropropane	5.00	4.80	4.93	96.0	98.6	58.0-134			2.67	20
1,2-Dichlorobenzene	5.00	4.71	4.72	94.2	94.4	79.0-121			0.212	20
1,2-Dichloroethane	5.00	5.83	5.98	117	120	70.0-128			2.54	20
1,2-Dichloropropane	5.00	6.29	6.26	126	125	77.0-125	⋈		0.478	20
1,4-Dichlorobenzene	5.00	4.54	4.53	90.8	90.6	79.0-120			0.221	20
2-Butanone (MEK)	25.0	35.7	37.3	143	149	44.0-160			4.38	20
2-Hexanone	25.0	26.4	26.4	106	106	67.0-149			0.000	20
4-Methyl-2-pentanone (MIBK)	25.0	29.1	29.4	116	118	68.0-142			1.03	20
Acetone	25.0	21.8	23.8	87.2	95.2	19.0-160	⋈	⋈	8.77	27
Acrylonitrile	25.0	32.1	31.3	128	125	55.0-149			2.52	20
Benzene	5.00	5.84	5.87	117	117	70.0-123			0.512	20
Bromochloromethane	5.00	4.90	4.97	98.0	99.4	76.0-122			1.42	20
Bromodichloromethane	5.00	5.71	5.82	114	116	75.0-120			1.91	20
Bromoform	5.00	4.40	4.40	88.0	88.0	68.0-132			0.000	20
Bromomethane	5.00	3.97	3.90	79.4	78.0	10.0-160			1.78	25
Carbon disulfide	5.00	5.20	5.08	104	102	61.0-128			2.33	20
Carbon tetrachloride	5.00	5.38	5.14	108	103	68.0-126			4.56	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4176845-1 02/13/25 09:36 • (LCSD) R4176845-2 02/13/25 09:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chlorobenzene	5.00	4.80	4.72	96.0	94.4	80.0-121			1.68	20
Chloroethane	5.00	5.19	5.14	104	103	47.0-150			0.968	20
Chloroform	5.00	5.20	5.18	104	104	73.0-120			0.385	20
Chloromethane	5.00	6.95	6.80	139	136	41.0-142			2.18	20
Dibromochloromethane	5.00	4.94	5.00	98.8	100	77.0-125			1.21	20
Dibromomethane	5.00	5.92	6.11	118	122	80.0-120			3.16	20
Ethylbenzene	5.00	4.48	4.34	89.6	86.8	79.0-123			3.17	20
Iodomethane	25.0	25.3	25.1	101	100	33.0-147			0.794	26
Methylene Chloride	5.00	4.92	4.96	98.4	99.2	67.0-120			0.810	20
Styrene	5.00	4.08	4.09	81.6	81.8	73.0-130			0.245	20
Tetrachloroethene	5.00	4.94	4.99	98.8	99.8	72.0-132			1.01	20
Toluene	5.00	5.09	4.94	102	98.8	79.0-120			2.99	20
Trichloroethene	5.00	5.69	5.74	114	115	78.0-124			0.875	20
Trichlorofluoromethane	5.00	4.76	4.76	95.2	95.2	59.0-147			0.000	20
Vinyl acetate	25.0	39.7	40.1	159	160	11.0-160			1.00	20
Vinyl chloride	5.00	5.43	5.51	109	110	67.0-131			1.46	20
Xylenes, Total	15.0	12.6	12.3	84.0	82.0	79.0-123			2.41	20
cis-1,2-Dichloroethene	5.00	5.04	5.21	101	104	73.0-120			3.32	20
cis-1,3-Dichloropropene	5.00	5.96	5.93	119	119	80.0-123			0.505	20
trans-1,2-Dichloroethene	5.00	5.11	4.96	102	99.2	73.0-120			2.98	20
trans-1,3-Dichloropropene	5.00	5.45	5.42	109	108	78.0-124			0.552	20
trans-1,4-Dichloro-2-butene	5.00	4.59	4.75	91.8	95.0	33.0-144			3.43	20
(S) 4-Bromofluorobenzene				95.9	94.6	77.0-126				
(S) Toluene-d8				93.0	91.3	80.0-120				
(S) 1,2-Dichloroethane-d4				105	101	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1825042-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825042-07 02/13/25 16:04 • (MS) R4176845-4 02/13/25 20:31 • (MSD) R4176845-5 02/13/25 20:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	5.00	0.120	4.98	4.98	99.6	99.6	1	36.0-151			0.000	29
1,1,1-Trichloroethane	5.00	0.0940	6.41	6.36	128	127	1	23.0-160			0.783	28
1,1,2,2-Tetrachloroethane	5.00	0.130	5.77	5.66	115	113	1	33.0-150			1.92	28
1,1,2-Trichloroethane	5.00	0.0940	6.03	5.67	121	113	1	35.0-147			6.15	27
1,1-Dichloroethane	5.00	0.114	7.37	7.11	147	142	1	25.0-158			3.59	27
1,1-Dichloroethene	5.00	0.188	7.42	7.37	148	147	1	11.0-160			0.676	29
1,2,3-Trichloropropane	5.00	0.247	5.28	5.24	106	105	1	34.0-151			0.760	29
1,2-Dibromo-3-Chloropropane	5.00	0.325	5.41	5.07	108	101	1	22.0-151			6.49	34

L1825042-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825042-07 02/13/25 16:04 • (MS) R4176845-4 02/13/25 20:31 • (MSD) R4176845-5 02/13/25 20:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dichlorobenzene	5.00	0.101	5.17	5.19	103	104	1	34.0-149			0.386	28
1,2-Dichloroethane	5.00	0.108	6.73	6.83	135	137	1	29.0-151			1.47	27
1,2-Dichloropropane	5.00	0.190	7.40	7.11	148	142	1	30.0-156			4.00	27
1,4-Dichlorobenzene	5.00	0.121	4.98	4.92	99.6	98.4	1	35.0-142			1.21	27
2-Butanone (MEK)	25.0	1.28	39.3	38.4	157	154	1	10.0-160			2.32	32
2-Hexanone	25.0	0.757	28.0	26.0	112	104	1	21.0-160			7.41	29
4-Methyl-2-pentanone (MIBK)	25.0	0.823	31.8	30.2	127	121	1	29.0-160			5.16	29
Acetone	25.0	1.05	28.8	29.5	115	118	1	10.0-160			2.40	35
Acrylonitrile	25.0	0.873	39.4	37.9	158	152	1	21.0-160			3.88	32
Benzene	5.00	0.0896	7.01	6.80	140	136	1	17.0-158			3.04	27
Bromochloromethane	5.00	0.145	6.01	6.01	120	120	1	38.0-142			0.000	26
Bromodichloromethane	5.00	0.0800	6.69	6.41	134	128	1	31.0-150			4.27	27
Bromoform	5.00	0.186	4.43	4.23	88.6	84.6	1	29.0-150			4.62	29
Bromomethane	5.00	0.157	4.23	4.38	84.6	87.6	1	10.0-160			3.48	38
Carbon disulfide	5.00	0.101	6.15	6.10	123	122	1	10.0-156			0.816	28
Carbon tetrachloride	5.00	0.159	6.14	6.28	123	126	1	23.0-159			2.25	28
Chlorobenzene	5.00	0.140	5.35	5.13	107	103	1	33.0-152			4.20	27
Chloroethane	5.00	0.141	6.53	6.25	131	125	1	10.0-160			4.38	30
Chloroform	5.00	0.0860	6.09	6.17	122	123	1	29.0-154			1.31	28
Chloromethane	5.00	0.153	8.84	8.95	177	179	1	10.0-160	U	U	1.24	29
Dibromochloromethane	5.00	0.128	5.44	5.04	109	101	1	37.0-149			7.63	27
Dibromomethane	5.00	0.117	7.18	6.94	144	139	1	30.0-151			3.40	27
Ethylbenzene	5.00	0.158	4.95	4.70	99.0	94.0	1	30.0-155			5.18	27
Iodomethane	25.0	0.377	30.2	29.8	121	119	1	10.0-160			1.33	40
Methylene Chloride	5.00	1.07	5.72	5.66	114	113	1	23.0-144			1.05	28
Styrene	5.00	0.117	1.03	0.805	20.6	16.1	1	33.0-155	U	U	24.5	28
Tetrachloroethene	5.00	0.199	5.79	5.60	116	112	1	10.0-160			3.34	27
Toluene	5.00	0.412	5.50	5.22	110	104	1	26.0-154			5.22	28
Trichloroethene	5.00	0.153	6.60	6.43	132	129	1	10.0-160			2.61	25
Trichlorofluoromethane	5.00	0.130	5.50	5.71	110	114	1	17.0-160			3.75	31
Vinyl acetate	25.0	0.645	23.8	20.4	95.2	81.6	1	12.0-160			15.4	31
Vinyl chloride	5.00	0.118	5.95	6.03	119	121	1	10.0-160			1.34	27
Xylenes, Total	15.0	0.316	13.9	13.5	92.7	90.0	1	29.0-154			2.92	28
cis-1,2-Dichloroethene	5.00	0.0933	5.65	5.97	113	119	1	10.0-160			5.51	27
cis-1,3-Dichloropropene	5.00	0.0976	5.83	5.54	117	111	1	34.0-149			5.10	28
trans-1,2-Dichloroethene	5.00	0.152	6.01	5.89	120	118	1	17.0-153			2.02	27
trans-1,3-Dichloropropene	5.00	0.222	5.77	5.44	115	109	1	32.0-149			5.89	28
trans-1,4-Dichloro-2-butene	5.00	0.257	2.92	3.02	58.4	60.4	1	10.0-157	!	!	3.37	37
(S) 4-Bromofluorobenzene					89.2	90.6		77.0-126				
(S) Toluene-d8					85.2	84.7		80.0-120				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1825042-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1825042-07 02/13/25 16:04 • (MS) R4176845-4 02/13/25 20:31 • (MSD) R4176845-5 02/13/25 20:53

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
(S) 1,2-Dichloroethane-d4					107	110		70.0-130				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4177537-1 02/14/25 11:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100

L1824504-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1824504-08 02/14/25 12:36 • (DUP) R4177537-3 02/14/25 12:23

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	0.00240	0.00240	1	0.000	<u>U</u>	20

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

(LCS) R4177537-4 02/14/25 14:52 • (LCSD) R4177537-5 02/14/25 17:34

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.217	0.213	86.8	85.2	60.0-140			1.86	20

L1824504-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L1824504-07 02/14/25 12:09 • (MS) R4177537-2 02/14/25 11:56

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.100	0.00240	0.106	106	1	64.0-159	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4178472-1 02/18/25 00:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100

L1824728-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1824728-07 02/18/25 01:29 • (DUP) R4178472-3 02/18/25 01:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	0.00242	0.00257	1.07	0.000	<u>U</u>	20

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

(LCS) R4178472-4 02/18/25 04:11 • (LCSD) R4178472-5 02/18/25 07:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.232	0.234	92.8	93.6	60.0-140			0.858	20

L1824728-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L1824728-08 02/18/25 00:53 • (MS) R4178472-2 02/18/25 00:35

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.103	0.00250	0.114	111	1.03	64.0-159	

1
Cp

2
Tc

3
Ss

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

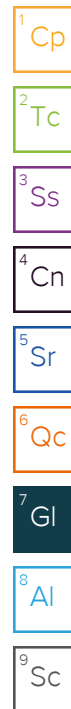
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	The value is outside laboratory established criteria.
L	Off-scale high. Actual value is known to be greater than value given.
U	Indicates the compound was analyzed for but not detected above the method detection limit.
V	Indicates the analyte was detected in both the sample and method blank.



ACCREDITATIONS & LOCATIONS

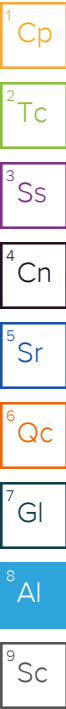
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

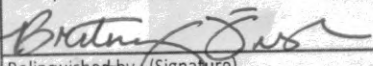
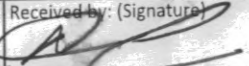
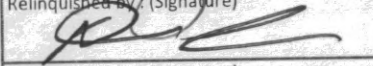
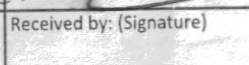
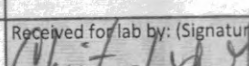
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia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

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

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

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



Company Name/Address: North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980				Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745				Pres Chk		Analysis / Container / Preservative								Chain of Custody Page ____ of ____	
Report to: Liz Foeller 954-557-0581				Email To: efoeller@wm.com;kguilbeault@integrityenvsol.														 MT JULIET, TN 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubs/pas-standard-terms.pdf	
Project Description: North Manatee (NMRDF)-Semiannual Groundwater				City/State Collected: DUETTE, FL		Please Circle: PT MT CT CT													
Regulatory Program(DOD,RCRA,DW,etc):		Client Project # 100		Lab Project # WMNORMANFL-00002															
Collected by (print): DANNY ARMOUR		Site/Facility ID # FL50		P.O. #		Quote #										SDG # U825214			
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Date Results Needed		No. of Cntrs										B206 Acctnum: WMNORMANFL Template: T171112 Prelogin: P1127214 PM: 616 - Stacy Kennedy PB: BF 1/29/25			
Immediately Packed on Ice N ☐ Y ☒																Shipped Via: FedEX Ground			
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time										Remarks		Sample # (lab only)	
DW-15R	G	GW		2-10-25	1058	10	X		X		X		X	X		X	-01		
DW-25R	G	GW		2-10-25	1138	10	X		X		X		X	X		X	-02		
DW-35R	G	GW		2-10-25	1218	10	X		X		X		X	X		X	-03		
DW-45R	G	GW		2-10-25	1250	10	X		X		X		X	X		X	-04		
BW-1S	G	GW		2-10-25	0941	10	X		X		X		X	X		X	-05		
BW-2S	G	GW		2-10-25	1019	10	X		X		X		X	X		X	-06		
BW-35R	G	GW		2-10-25	0900	10	X		X		X		X	X		X	-07		
BW-4S	G	GW		2-10-25	0820	10	X		X		X		X	X		X	-08		
BW-5S	G	GW		2-10-25	0740	10	X		X		X		X	X		X	-09		
DW-55R	G	GW		2-10-25	1337	10		X		X	X		X	X		X	-10		
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Nitrate = 48 hour holding time.				pH _____ Temp _____ Flow _____ Other _____				Sample Receipt Checklist COC Seal Present/Intact: ☒ NP ☒ N COC Signed/Accurate: ☒ N ☒ N Bottles arrive intact: ☒ N ☒ N Correct bottles used: ☒ N ☒ N Sufficient volume sent: ☒ N ☒ N If Applicable VOA Zero Headspace: ☒ N ☒ N Preservation Correct/Checked: ☒ N ☒ N RAD Screen <0.5 mR/hr: ☒ N ☒ N									
Relinquished by: (Signature) 		Date: 1/29/25		Time: 4:38PM		Received by: (Signature) 		Trip Blank Received: Yes/No YES/NO HCL/MeOH TBR											
Relinquished by: (Signature) 		Date: 2-10-25		Time: 1700		Received by: (Signature) 		Temp: _____ °C 20.4		Bottles Received: 100		If preservation required by Login: Date/Time							
Relinquished by: (Signature) 		Date: 2/11/25		Time: 0900		Received for lab by: (Signature) 		Date: 2/11/25		Time: 0900		Hold:		Condition: NCF / OK					

[illegible]

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	BW-55	SAMPLE ID:	DATE: 2-10-25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 6.82	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 127.55		GROUNDWATER ELEVATION (ft NGVD) 120.73		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

(only fill out if applicable) = (15.00 feet - 6.82 feet) X 0.163 gallons/foot = 1.33 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 0730	PURGING ENDED AT: 0740	TOTAL VOLUME PURGED (gallons): 3.00
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[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: **B** = Bailor; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

PURGING EQUIPMENT CODES: **B** = Bailor; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dante Ramirez / AZ	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 0340	SAMPLING ENDED AT: 2/3
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PUMP OR TUBING DEPTH IN WELL (feet):	11.00	TUBING MATERIAL CODE:	T	FIELD-FILTERED: Y	✓	Filtration Equipment Type:	✓	FILTER SIZE: _____ μm
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FIELD DECONTAMINATION:	PUMP	Y	(N)	TUBING	Y	(N replaced)	DUPLICATE:	Y	(N)
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION (including wet ice)	INTENDED	SAMPLING	SAMPLE PLUM
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SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	ANALYSIS AND/OR METHOD	EQUIPMENT CODE	FLOW RATE (ml per minute)
	1	PE	1L	-	-	-	G-Chem	BP	0.5
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	NH3		
	3	AL	40 ml	HCl	-	-	8260B		
	3	LG	40 ml	NaTHIO	-	-	8011		
	2	PE	1L	HNO3	-	-	RAD		

REMARKS:

Shoen present YES NO

MATERIAL CODES. AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: + 0.2 units **Temperature:** + 0.2 °C **Specific Conductance:** + 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-45	SAMPLE ID:	DATE: 2-10-28	

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: Dariusz Azmaw / AGC				APPROVER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0820		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N) (replaced)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				SAMPLE PUMP FLOW RATE (mL per minute)
	1		PE	1L	-	-	-	G-CHEM	BP		0.15
	1		PE	250 ml	HNO3	-	-	METALS			
	1		PE	250 ml	H2SO4	-	-	NH3			
	3		AG	40 ml	HCl	-	-	BZBOB			
	3		CG	40 ml	Nathio	-	-	Boil			
	2		PE	1L	HNO3	-	-	RAD			
REMARKS:											
Sheen present YES (NO)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RPPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2\text{ mg/L}$ or $+10\%$ (whichever is greater) Turbidity: all readings $\leq 20\text{ NTU}$; optionally $+5\text{ NTU}$ or $+10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BK1-3SR	SAMPLE ID:		DATE: 2-10-25

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 8.56	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 130.40		GROUNDWATER ELEVATION (ft NGVD) 121.84		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (15.00 \text{ feet} - 8.56 \text{ feet}) \times 0.163 \text{ gallons/foot} = 1.05 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 6840	PURGING ENDED AT: 0900	TOTAL VOLUME PURGED (gallons): 3.00

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLED BY (PRINT) / AFFILIATION: Daisy Armar / ACE		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0900	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 11.00		TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)		TUBING Y (N) (replaced)		DUPLICATE: Y (N)	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

(edited for WM) Revision Date: March 2022

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-15	SAMPLE ID:	DATE: 2-10-25	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Daisy Armer / AACC				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0941		SAMPLING ENDED AT: NR		
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: T			FIELD-FILTERED: Y		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N (replaced))				DUPLICATE: Y (N)				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml. per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL. ADDED IN FIELD (mL)	FINAL pH						
	1	PE	1L	-	-	-	Gr-Chem		BP		0.15	
	1	PE	250 ml	HNO3	-	-	METALS					
	1	PE	250 ml	H2SO4	-	-	N43					
	3	AG	40 ml	HCl	-	-	B260B					
	3	CG	40 ml	Nathio	-	-	2011					
	2	PE	1L	HNO3	-	-	RAD					
REMARKS:												
Sheen present YES 												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-35	SAMPLE ID:	DATE: 2-10-75	

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 5 feet	STATIC DEPTH TO WATER (feet):	4.53	PURGE PUMP TYPE OR BAILER:	BP
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125.41

WELL SCREEN INTERVAL
DEPTH: 5 feet to 5 feet

STATIC DEPTH
TO WATER (feet): 4.57

PURGE PUMP TYPE
OR BAILER: BP

WELL ELEVATION TOC (ft NGVD) 125.41

GROUNDWATER ELEVATION (II NGVD) 120.87 120.84

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.14 \text{ gallons}$$

INITIAL PUMP OR TUBING
DEPTH IN WELL (feet): 11.25

FINAL PUMP OR TUBING
DEPTH IN WELL (feet): 5100

PURGING INITIATED AT: 5958	PURGING ENDED AT: 1019
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PURGING ENDED AT: 10:19	TOTAL VOLUME PURGED (gallons): 3.15
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[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: DASH ARMED / ALL				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 10/19		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ M		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ N				TUBING Y ☒ N (replaced)				DUPLICATE: Y ☒ N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			SAMPLE PUMP FLOW RATE (mL per minute)		
	1	PE	1L	-	-	-	G-chem		BP	0.15	
	1	PE	250 ml	HNO3	-	-	METALS		1	1	
	1	PE	250 ml	H2SO4	-	-	N43		1	1	
	3	AG	40 ml	HCl	-	-	B260B				
	3	CG	40 ml	Nathio	-	-	8011				
	2	PE	1L	HNO3	-	-	RAD				
REMARKS:											
Sheen present YES ☒ NO											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE	SITE LOCATION: DUETTE, FL
WELL NO: DW-1SR	DATE: 2-10-25
SAMPLE ID:	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTHS: 5.56 feet to 5.56 feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 128.17		GROUNDWATER ELEVATION (ft NGVD): NA		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 15.56 feet) + 0.05 gallons = 0.44 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.95	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.95	PURGING INITIATED AT: 1038	PURGING ENDED AT: 1058	TOTAL VOLUME PURGED (gallons): 3.00

TIME	-VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
1048	1.50	1.50	0.15	NA	5.66	28.7	83	1.6	7.44	130		
1051	0.45	1.95	0.15		5.67	28.8	81	1.5	7.21	134		
1054	0.45	2.40	0.15		5.66	28.8	80	1.6	6.92	136		
1057	0.45	2.85	0.15		5.66	28.8	79	1.5	7.04	138	Yellow	Turb
NA - WATER LEVEL IS BELOW THE TOP OF THE DEDICATED PUMP												

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailor, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DANIEL ARMSTRONG / ALL				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 1058		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 12.95				TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N)		FILTER SIZE: _____ μm			
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N) (replaced)				DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	1L	-	-	-	G-CHEM	BP	0.15	
	1	PE	250 mL	HNO3	-	-	METALS			
	1	PE	250 mL	H2SO4	-	-	N43			
	3	AG	40 mL	HCl	-	-	B260B			
	3	CG	40 mL	Nutrient	-	-	8011			
	2	PE	1L	HNO3	-	-	RAD			

REMARKS: Sheen present YES **NO**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DSW-2SR	SAMPLE ID:	DATE: 2-10-25	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 4.56 feet to 14.56 feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 128.10			GROUNDWATER ELEVATION (ft NGVD) NA	

$$= (\quad \text{feet} \times \quad \text{feet}) \times \quad \text{gallons/foot} = \quad \text{gallons}$$
$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 14.56 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

TOTAL VOLUME
PURGED (gallons): 3 35

⑦ NA - WATER LEVEL IS BELOW THE TOP OF THE DEDICATED PUMP

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Darryl Armar / ACE		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1138	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 13.02		TUBING MATERIAL CODE: T	FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:	FILTER SIZE: _____ µm	

DUPLICATE: Y ☒ N

SAMPLE CONTAINER SPECIFICATION

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DW-35R		DATE: 2-10-25	

PURGING DATA

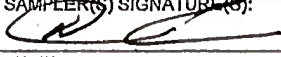
WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5.1 feet to 15.1 feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 127.65		GROUNDWATER ELEVATION (ft NGVD): NA		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 15.1 feet) + 0.05 gallons = 0.44 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.88	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.88	PURGING INITIATED AT: 1158	PURGING ENDED AT: 1218	TOTAL VOLUME PURGED (gallons): 3.00

TIME	-VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
1208	1.50	1.50	0.15	NA	5.31	28.6	302	0.8	5.01	135		
1211	0.45	1.95	0.15		5.30	28.5	300	0.8	4.91	131		
1214	0.45	2.40	0.15		5.29	28.5	298	0.7	4.31	129		
1217	0.45	2.85	0.15		5.31	28.4	296	0.7	4.54	127	Yellow	
											Turb	
NA - WATER LEVEL IS BELOW THE TOP OF THE DEDICATED PUMP												

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ARMSTRONG / ALC				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 1218		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 12.88				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ NO		FILTER SIZE: μm	
FIELD DECONTAMINATION: PUMP Y ☒ NO				TUBING Y ☒ NO (replaced)				DUPLICATE: Y ☒ NO			

SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	1L	-	-	-	Gr-H2O	BP	0.15	
	1	PE	250 mL	HNO3	-	-	METALS			
	1	PE	250 mL	H2SO4	-	-	N43			
	3	AG	40 mL	HCl	-	-	B260B			
	3	CG	40 mL	Nathio	-	-	8011			
	2	PE	1L	HNO3	-	-	RAD			

REMARKS:

Sheen present **YES** ☒ **NO**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DW-45R	SAMPLE ID:	DATE: 2-10-25	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5.48 feet to 5.49 feet	STATIC DEPTH TO WATER (feet): 9.48	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 128.04		GROUNDWATER ELEVATION (ft NGVD) 118.56		

(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.48 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

TOTAL VOLUME
PURGED (gallons): 3.00

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
 RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DW-55	SAMPLE ID:		DATE: 2-10-25

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	1/4	WELL SCREEN INTERVAL DEPTH: 5.4 feet to (5.4 feet)	STATIC DEPTH TO WATER (feet):	10.51	PURGE PUMP TYPE OR BAILER:	BP	
WELL ELEVATION TOC (ft NGVD)				GROUNDWATER ELEVATION (ft NGVD)					
NA				NA					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)									
$= (15.40 \text{ feet} - 10.51 \text{ feet}) \times 0.163 \text{ gallons/foot} = 0.80 \text{ gallons}$									
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)									
$= 0.12 \text{ gallons} + (0.0026 \text{ gallons/foot} \times 15.40 \text{ feet}) + 0.05 \text{ gallons} = 0.30 \text{ gallons}$									
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	14.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	14.00	PURGING INITIATED AT:	1317	PURGING ENDED AT:	1337	TOTAL VOLUME PURGED (gallons):	2.40

[illegible]

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Daisy Armar / ALC			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1337		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 14.00			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ N			TUBING Y ☒ N (replaced)			DUPLICATE: Y ☒ N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	1L	-	-	-	G-CHEM	BP	0.12
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	NH3		
	3	AG	40 ml	HCl	-	-	BZ60B		
	3	CG	40 ml	NaOH	-	-	8011		
	2	PE	1L	HNO3	-	-	8011		
REMARKS:									
Shenn present YES ☒ NO									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

pH: ± 0.2 units Temperature: $\pm 0.2^{\circ}\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

North Manatee (NMRDF)

Sample Delivery Group: L1825259
Samples Received: 02/11/2025
Project Number: 100
Description: North Manatee (NMRDF)-Semiannual Groundwater
FEB AUG
Site: FL50
Report To: Liz Foeller
25515 Old Landfill Road
Punta Gorda, FL 33980

Entire Report Reviewed By:



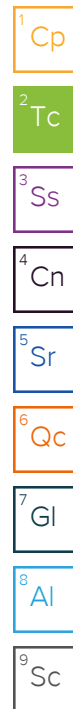
Stacy Kennedy
Project Manager

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

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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
DW-1SR L1825259-01	6
DW-2SR L1825259-02	7
DW-3SR L1825259-03	8
DW-4SR L1825259-04	9
BW-1S L1825259-05	10
BW-2S L1825259-06	11
BW-3SR L1825259-07	12
BW-4S L1825259-08	13
BW-5S L1825259-09	14
Qc: Quality Control Summary	15
Radiochemistry by Method 903.0/9315	15
Radiochemistry by Method 904/9320	16
Gl: Glossary of Terms	17
Al: Accreditations & Locations	18
Sc: Sample Chain of Custody	19



SAMPLE SUMMARY

DW-1SR L1825259-01 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 10:58

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 06:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

DW-2SR L1825259-02 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 11:38

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 06:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

DW-3SR L1825259-03 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 12:18

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 06:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

DW-4SR L1825259-04 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 12:50

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 06:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

BW-1S L1825259-05 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 09:41

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 07:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

BW-2S L1825259-06 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 10:19

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 07:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

BW-3SR L1825259-07 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 09:00

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 07:35	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

SAMPLE SUMMARY

BW-4S L1825259-08 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 08:20

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/12/25 13:13	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

BW-5S L1825259-09 Non-Potable Water

Collected by
Danny Armour

Collected date/time
02/10/25 07:40

Received date/time
02/11/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2456918	1	02/24/25 12:19	03/06/25 08:36	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2454490	1	02/20/25 10:35	02/27/25 11:07	ALG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Stacy Kennedy
Project Manager

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

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	5.66	su
Temperature (on-site)	28.8	Deg. C
Specific Conductance (on site)	79	umhos/cm
Dissolved Oxygen (on-site)	1.5	mg/l
Turbidity (on-site)	7.04	NTU
eH/ORP (On Site)	138	mV

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.000	U	0.139	0.275	0.300	0.117	03/06/2025 06:35	WG2456918
(T) Barium	107					30.0-143	03/06/2025 06:35	WG2456918

6
Qc

7
Gl

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.956	U	0.817	1.40	1.55	0.810	02/27/2025 11:07	WG2454490
(T) Barium	94.0					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	70.4					30.0-136	02/27/2025 11:07	WG2454490

8
Al

9
Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	5.98	su
Temperature (on-site)	27.3	Deg. C
Specific Conductance (on site)	178	umhos/cm
Dissolved Oxygen (on-site)	.8	mg/l
Turbidity (on-site)	5.05	NTU
eH/ORP (On Site)	153	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.136	J	0.177	0.315	0.303	0.118	03/06/2025 06:35	WG2456918
(T) Barium	104					30.0-143	03/06/2025 06:35	WG2456918

⁶Qc

⁷Gl

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.0276	U	0.584	1.07	1.08	0.568	02/27/2025 11:07	WG2454490
(T) Barium	105					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	90.3					30.0-136	02/27/2025 11:07	WG2454490

⁸Al

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	5.31	su
Temperature (on-site)	28.4	Deg. C
Specific Conductance (on site)	296	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	4.54	NTU
eH/ORP (On Site)	127	mV

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

Radiochemistry by Method 903.0/9315

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.723		0.276	0.417	0.231	0.0796	03/06/2025 06:35	WG2456918
(T) Barium	93.5					30.0-143	03/06/2025 06:35	WG2456918

6
Qc

7
Gl

Radiochemistry by Method 904/9320

Analyte	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.268	U	0.624	1.16	1.16	0.611	02/27/2025 11:07	WG2454490
(T) Barium	86.8					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	87.0					30.0-136	02/27/2025 11:07	WG2454490

8
Al

9
Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	118.56	ft
pH (On Site)	6.14	su
Temperature (on-site)	27.4	Deg. C
Specific Conductance (on site)	517	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	4.59	NTU
eH/ORP (On Site)	-41	mV

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.25		0.341	0.478	0.217	0.0748	03/06/2025 06:35	WG2456918
(T) Barium	99.2					30.0-143	03/06/2025 06:35	WG2456918

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.60		0.559	1.07	0.984	0.521	02/27/2025 11:07	WG2454490
(T) Barium	89.9					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	91.1					30.0-136	02/27/2025 11:07	WG2454490

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.53	ft
pH (On Site)	5.68	su
Temperature (on-site)	22.9	Deg. C
Specific Conductance (on site)	150	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	4.77	NTU
eH/ORP (On Site)	-6	mV

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.157	J	0.181	0.317	0.300	0.117	03/06/2025 07:35	WG2456918
(T) Barium	108					30.0-143	03/06/2025 07:35	WG2456918

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.111	U	0.621	1.16	1.16	0.613	02/27/2025 11:07	WG2454490
(T) Barium	85.2					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	85.2					30.0-136	02/27/2025 11:07	WG2454490

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.84	ft
pH (On Site)	5.37	su
Temperature (on-site)	23.3	Deg. C
Specific Conductance (on site)	92	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	1.52	NTU
eH/ORP (On Site)	-7	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.655		0.277	0.414	0.303	0.118	03/06/2025 07:35	WG2456918
(T) Barium	102					30.0-143	03/06/2025 07:35	WG2456918

⁶Qc

⁷Gl

⁸Al

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.177	<u>U</u>	0.407	0.741	0.768	0.405	02/27/2025 11:07	WG2454490
(T) Barium	78.4					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	88.4					30.0-136	02/27/2025 11:07	WG2454490

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	121.84	ft
pH (On Site)	5.58	su
Temperature (on-site)	23.3	Deg. C
Specific Conductance (on site)	238	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	.74	NTU
eH/ORP (On Site)	-5	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.400		0.219	0.364	0.239	0.0824	03/06/2025 07:35	WG2456918
(T) Barium	90.1					30.0-143	03/06/2025 07:35	WG2456918

⁶Qc

⁷Gl

⁸Al

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.19		0.443	0.786	0.782	0.413	02/27/2025 11:07	WG2454490
(T) Barium	74.1					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	89.3					30.0-136	02/27/2025 11:07	WG2454490

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	123.25	ft
pH (On Site)	4.59	su
Temperature (on-site)	21.5	Deg. C
Specific Conductance (on site)	320	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	3.37	NTU
eH/ORP (On Site)	128	mV

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	14.7		1.05	1.19	0.186	0.0641	03/12/2025 13:13	WG2456918
(T) Barium	107					30.0-143	03/12/2025 13:13	WG2456918

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	8.39		0.538	0.872	0.734	0.387	02/27/2025 11:07	WG2454490
(T) Barium	79.9					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	86.7					30.0-136	02/27/2025 11:07	WG2454490

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.73	ft
pH (On Site)	5.62	su
Temperature (on-site)	22.3	Deg. C
Specific Conductance (on site)	346	umhos/cm
Dissolved Oxygen (on-site)	.9	mg/l
Turbidity (on-site)	3.59	NTU
eH/ORP (On Site)	138	mV

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.17		0.388	0.541	0.364	0.142	03/06/2025 08:36	WG2456918
(T) Barium	82.1					30.0-143	03/06/2025 08:36	WG2456918

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.646	J	0.434	0.743	0.781	0.408	02/27/2025 11:07	WG2454490
(T) Barium	89.5					30.0-143	02/27/2025 11:07	WG2454490
(T) Yttrium	90.2					30.0-136	02/27/2025 11:07	WG2454490

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4183773-1 03/06/25 04:35

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.000	<u>U</u>	0.0442	0.108	0.0372
(T) Barium	106		106		

L1825259-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1825259-01 03/06/25 06:35 • (DUP) R4183773-5 03/06/25 05:35

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.000	0.139	0.300	0.117	0.0450	0.197	0.431	0.149	200	0.187	<u>U</u>	20	3
(T) Barium	107				110	110							

Laboratory Control Sample (LCS)

(LCS) R4183773-2 03/06/25 05:35

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.98	99.6	80.0-120	
(T) Barium			109		

L1827011-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1827011-01 03/06/25 15:21 • (MS) R4183773-3 03/06/25 05:35 • (MSD) R4183773-4 03/06/25 05:35

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.201	19.3	23.3	95.6	115	1	75.0-125			18.5		20
(T) Barium		99.3			101	108							

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4181416-1 02/27/25 11:07

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.116	U	0.181	0.332	0.174
(T) Barium	97.4		97.4		
(T) Yttrium	96.6		96.6		

L1825750-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1825750-01 02/27/25 11:07 • (DUP) R4181416-5 02/27/25 11:07

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	1.79	0.444	0.764	0.401	2.48	0.477	0.796	0.422	32.5	1.06		20	3
(T) Barium	83.5				78.5	78.5							
(T) Yttrium	89.5				75.9	75.9							

Laboratory Control Sample (LCS)

(LCS) R4181416-2 02/27/25 11:07

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.59	112	80.0-120	
(T) Barium			85.9		
(T) Yttrium			93.5		

L1824819-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1824819-04 02/27/25 11:07 • (MS) R4181416-3 02/27/25 11:07 • (MSD) R4181416-4 02/27/25 11:07

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	16.7	-0.422	20.0	16.9	119	101	1	70.0-130			16.4		20
(T) Barium		97.6			92.3	91.1							
(T) Yttrium		65.6			94.3	76.5							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

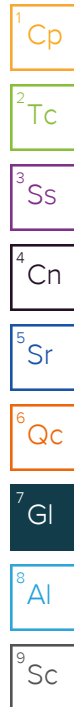
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

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

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

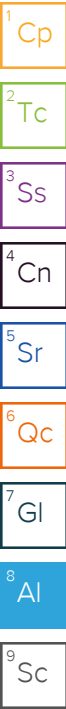
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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



Company Name/Address:

North Manatee (NMRDF)

25515 Old Landfill Road
Punta Gorda, FL 33980

Billing Information:

Jennifer.Briggs@wm.com
P.O. Box 4745
WM A/P DEPARTMENT
Portland, OR 97208-4745Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page of 

MT JULIET, TN

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

SDG #

B214

Acctnum: WMNORMANFL

Template: T180398

Prelogin: P1127215

PM: 616 - Stacy Kennedy

PB: 1/29/25

Shipped Via: FedEX Ground

Remarks

Sample # (lab only)

Report to:

Liz Foeller 954-557-0581

Email To:

efoeller@wm.com;kguilbeault@integrityenvsol.

Project Description:

North Manatee (NMRDF)-Semiannual Groundwater

City/State

Collected: DUTTE FL

Please Circle:

PT MT CT ET

Regulatory Program(DOD,RCRA,DW,etc):

Client Project #

100

Lab Project #

WMNORMANFL-RAD

Collected by (print):

DANNY ARMOUR

Site/Facility ID #

FL50

P.O. #

Collected by signature:

Rush? (Lab MUST Be Notified)

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

Quote #

Date Results Needed

Immediately

Packed on Ice N ☐ Y ☒

RA-226-903.0 1L-HDPE-Add HNO3

RA-228 1L-HDPE-Add HNO3

RA-228 1L-HDPE-Add-HNO3

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	RA-226-903.0 1L-HDPE-Add HNO3	RA-228 1L-HDPE-Add HNO3	RA-228 1L-HDPE-Add-HNO3										
DW-1SR	G	NPW		2-10-25	1058	2	X	X											-01
DW-2SR	G	NPW		2-10-25	1138	2	X	X											-02
DW-3SR	G	NPW		2-10-25	1218	2	X	X											-03
DW-4SR	G	NPW		2-10-25	1250	2	X	X											-04
BW-1S	G	NPW		2-10-25	0941	2	X	X											-05
BW-2S	G	NPW		2-10-25	1019	2	X	X											-06
BW-3SR	G	NPW		2-10-25	0900	2	X	X											-07
BW-4S	G	NPW		2-10-25	0820	2	X	X											-08
BW-5S	G	NPW		2-10-25	0740	2	X	X											-09
		NPW				2	X		X										

* Matrix:

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Sample Receipt Checklist

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

Relinquished by: (Signature)

Date:

1/29/25

Time:

4:40 PM

Received by: (Signature)

Trip Blank Received: Yes/No

1X HCL
2X NATHIO
HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

2-10-25

Time:

1700

Received by: (Signature)

Temp: °C

0.210.4-0.6 15

Date: 2/11/25 Time: 0900

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

2-10-25

Time:

1700

Received for lab by: (Signature)

Date: 2/11/25 Time: 0900

Hold:

Condition:

NCF / OK

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	BW-55	SAMPLE ID:	DATE: 2-10-25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 6.82	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 127.55		GROUNDWATER ELEVATION (ft NGVD) 120.73		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

(only fill out if applicable) = (15.00 feet - 6.82 feet) X 0.163 gallons/foot = 1.33 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 0730	PURGING ENDED AT: 0740	TOTAL VOLUME PURGED (gallons): 3.00
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[illegible]

WELL CAPACITY (Gallons Per Foot):	0.75" = 0.02;	1" = 0.04;	1.25" = 0.06;	2" = 0.16;	3" = 0.37;	4" = 0.65;	5" = 1.02;	6" = 1.47;	12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.):	1/8" = 0.0006;	3/16" = 0.0014;	1/4" = 0.0026;	5/16" = 0.004;	3/8" = 0.006;	1/2" = 0.010;	5/8" = 0.016		

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dante Ramirez / AZ	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 0340	SAMPLING ENDED AT: 2/3
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PUMP OR TUBING DEPTH IN WELL (feet):	11.00	TUBING MATERIAL CODE:	T	FIELD-FILTERED: Y	✓	Filtration Equipment Type:	✓	FILTER SIZE: _____ μm
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FIELD DECONTAMINATION:	PUMP	Y	(N)	TUBING	Y	(N replaced)	DUPLICATE:	Y	(N)
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SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION (including wet ice)	INTENDED	SAMPLING	SAMPLE PLUM
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SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	ANALYSIS AND/OR METHOD	EQUIPMENT CODE	FLOW RATE (ml per minute)
	1	PE	1L	-	-	-	G-Chem	BP	0.5
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	NH3		
	3	AL	40 ml	HCl	-	-	8260B		
	3	LG	40 ml	NaTHIO	-	-	8011		
	2	PE	1L	HNO3	-	-	RAD		

REMARKS:

Shoen present YES NO

MATERIAL CODES. AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** $\pm 0.2^{\circ}\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2\text{ mg/L}$ or $+10\%$ (whichever is greater) **Turbidity:** all readings $\leq 20\text{ NTU}$; optionally $+5\text{ NTU}$ or $+10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-45	SAMPLE ID:	DATE: 2-10-23	

[illegible]

SAMPLED BY (PRINT) / AFFILIATION: <i>Daisy Armar / ACC</i>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>				SPRIMING INITIATED AT: <i>0820</i>		SAMPLING ENDED AT: <i>NR</i>	
PUMP OR TUBING DEPTH IN WELL (feet): <i>11.00</i>				TUBING MATERIAL CODE: <i>T</i>			FIELD-FILTERED: <i>Y</i> ☒ <i>N</i>		FILTER SIZE: _____ μ m		
FIELD DECONTAMINATION: PUMP <i>Y</i> ☒ <i>N</i>				TUBING <i>Y</i> ☒ <i>N</i> (replaced)				DUPLICATE: <i>Y</i> ☒ <i>N</i>			
SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE		# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLE PUMP FLOW RATE (mL per minute)		
		1		PE	1L	-	-	-	G-CHEM	BP	0.15
		1		PE	250 ml	HNO3	-	-	METALS		
		1		PE	250 ml	H2SO4	-	-	NH3		
		3		AG	40 ml	HCl	-	-	BZBOB		
		3		CG	40 ml	Nothing	-	-	Roll		
		2		PE	1L	HNO3	-	-	RAD		
REMARKS:											
Sheen present YES ☒ NO ☐											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

(edited for WM) Revision Date: March 2022

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BK1-3SR	SAMPLE ID:	DATE: 2-10-25	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 8.56	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 130.40		GROUNDWATER ELEVATION (ft NGVD) 121.84		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (15.00 feet - 8.56 feet) X 0.163 gallons/foot = 1.05 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 15.00 feet) + 0.05 gallons = 0.44 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 6840	PURGING ENDED AT: 0900	TOTAL VOLUME PURGED (gallons): 3.00

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLED BY (PRINT) / AFFILIATION: Daisy Armar / ACE		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 0900	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 11.00		TUBING MATERIAL CODE: T		FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____ µm
FIELD DECONTAMINATION: PUMP Y (N)		TUBING Y (N) (replaced)		DUPLICATE: Y (N)	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

(edited for WM) Revision Date: March 2022

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-15	SAMPLE ID:	DATE: 2-10-25	

PURGING DATA

WELL DIAMETER (Inches): 2		TUBING DIAMETER (Inches): 3/8		SCREEN INTERVAL DEPTH: 5 feet to 15 feet		STATIC DEPTH TO WATER (feet): 5.87		PURGE PUMP TYPE OR BAILER: BP					
WELL ELEVATION TOC (ft NGVD)					GROUNDWATER ELEVATION (ft NGVD)								
126.40					120.53								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= 115.00 \text{ feet} - 5.87 \text{ feet} \times 0.163 \text{ gallons/foot} = 14.9 \text{ gallons}$													
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$													
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00			FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00			PURGING INITIATED AT: 0921			PURGING ENDED AT: 0941			TOTAL VOLUME PURGED (gallons): 3.00	
TIME	-VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)	
0931	1.50	1.50	0.15	6.54	5.68	22.8	150	0.5	4.86	-5			
0934	0.45	1.95	0.15	6.55	5.67	22.8	150	0.5	4.87	-4			
0937	0.45	2.40	0.15	6.56	5.67	22.9	150	0.5	4.20	-5			
0940	0.45	2.85	0.15	6.56	5.68	22.9	150	0.4	4.77	-6	Yellow tint		
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0005; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016													
PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)													

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darryl Armer / ACC				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 9991		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N) (replaced)				DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			SAMPLE PUMP FLOW RATE (mL per minute)		
	1	PE	1L	-	-	-	G-chem		BP	0.15	
	1	PE	250 ml	HNO3	-	-	METALS		1	1	
	1	PE	250 ml	H2SO4	-	-	N43		1	1	
	3	AG	40 ml	HCl	-	-	B260B		1	1	
	3	CG	40 ml	Nathio	-	-	2011		1	1	
	2	PE	1L	HNO3	-	-	RAD		1	1	
REMARKS:											
Sheen present YES 											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-35	SAMPLE ID:	DATE: 2-10-75	

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 5 feet	STATIC DEPTH TO WATER (feet):	4.53	PURGE PUMP TYPE OR BAILER:	BP
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125.41

WELL SCREEN INTERVAL
DEPTH: 5 feet to 5 feet

STATIC DEPTH
TO WATER (feet): 4.57

PURGE PUMP TYPE
OR BAILER: BP

WELL ELEVATION TOC (ft NGVD) 125.41

GROUNDWATER ELEVATION (II NGVD) 120.87 120.84

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.80 \text{ feet}) + 0.05 \text{ gallons} = 0.14 \text{ gallons}$$

INITIAL PUMP OR TUBING
DEPTH IN WELL (feet): 11.25

FINAL PUMP OR TUBING
DEPTH IN WELL (feet): 5100

PURGING INITIATED AT: 5958	PURGING ENDED AT: 1019
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PURGING ENDED AT: 10:19	TOTAL VOLUME PURGED (gallons): 3 15
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[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: DASH ARMED / ALL				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 10/19		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ M		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ N				TUBING Y ☒ N (replaced)				DUPLICATE: Y ☒ N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (Including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			SAMPLE PUMP FLOW RATE (mL per minute)		
	1	PE	1L	-	-	-	G-chem		BP	0.15	
	1	PE	250 ml	HNO3	-	-	METALS		1	1	
	1	PE	250 ml	H2SO4	-	-	N43		1	1	
	3	AG	40 ml	HCl	-	-	B260B				
	3	CG	40 ml	Nathio	-	-	8011				
	2	PE	1L	HNO3	-	-	RAD				
REMARKS:											
Sheen present YES ☒ NO											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DW-1SR	SAMPLE ID:		DATE: 2-10-25

WELL DIAMETER (Inches): 2		TUBING DIAMETER (Inches): 3/8		WELL SCREEN INTERVAL DEPTHS: 5.56 feet to 15.56 feet		STATIC DEPTH (ft): NA		PURGE PUMP TYPE OR BAILER: BP				
WELL ELEVATION TOC (ft NGVD): 128.17				GROUNDWATER ELEVATION (ft NGVD): NA								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)												
= (feet - feet) X gallons/foot = gallons												
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)												
= 0.3 gallons + (0.006 gallons/foot X 15.56 feet) + 0.05 gallons = 0.44 gallons												
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.95		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.95		PURGING INITIATED AT: 1038		PURGING ENDED AT: 1058		TOTAL VOLUME PURGED (gallons): 3.00				
TIME	-VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
1048	1.50	1.50	0.15	NA	5.66	28.7	83	1.6	7.44	130		
1051	0.45	1.95	0.15	1	5.67	28.8	81	1.5	7.21	134		
1054	0.45	2.40	0.15	1	5.66	28.8	80	1.6	6.92	136		
1057	0.45	2.85	0.15	1	5.66	28.8	79	1.5	7.04	138	Yellow	
											TWP	
NA - WATER LEVEL IS BELOW THE TOP OF THE DEDICATED PUMP												
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016												
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)												

SAMPLED BY (PRINT) / AFFILIATION: DAVID ARMSTRONG / ACE						SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1058		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 12.95						TUBING MATERIAL CODE: T			FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced)						DUPLICATE: Y (N)						
SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)		
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1		PE	1 L	-	-	-	GACHIN	BP	0.15		
	1		PE	250 ml	HNO3	-	-	METALS				
	1		PE	250 ml	H2SO4	-	-	NH3				
	3		AG	40 ml	HCl	-	-	BZBOB				
	3		CG	40 ml	Nathio	-	-	Boil				
	2		PE	1 L	HNO3	-	-	RAD				
REMARKS:												
Sheen present YES (NO)												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DSW-2SR	SAMPLE ID:	DATE: 2-10-25	

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: 4.56 feet to 14.56 feet	STATIC DEPTH (ft) TO WATER (feet):	NA	PURGE PUMP TYPE OR BAILER:	BP
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12B.10

⑧ NA

(only fill out if applicable)

$$= (\quad \text{feet} - \quad \text{feet}) \times \quad \text{gallons/foot} = \quad \text{gallons}$$

(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 14.56 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

INITIAL PUMP OR TUBING
DEPTH IN WELL (feet): 13.02

FINAL PUMP OR TUBING
DEPTH IN WELL (feet): 13.02

PURGING
INITIATED AT: 1112

PURGING
ENDED AT: 1138

TOTAL VOLUME
PURGED (gallons): 3.35

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: J. K. [illegible] / [illegible]	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1138	SAMPLING ENDED AT: NR
--	---	-----------------------------	-----------------------

PUMP OR TUBING
DEPTH IN WELL (feet): 13.02

TUBING MATERIAL CODE: T

FILTERED: Y 
Equipment Type:

FILTER SIZE: _____

FIELD DECONTAMINATION: PUMP

TUBING Y

DUPLICATE:

(N)

SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION (including wet lab)
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INTENDED	SAMPLE
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SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1		PE	1L	-	-	-	GCHCN	BP	0.15
	1		PE	250 ml	HNO3	-	-	METALS		
	1		PE	250 ml	H2SO4	-	-	NH3		
	3		AG	40 ml	HCl	-	-	BZ60B		
	3		CG	40 ml	Nathio	-	-	SO11		
	2		PE	1L	HNO3	-	-	RAD		

REMARKS:

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
 RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE WELL NO: DW-35R	SITE LOCATION: DUETTE, FL SAMPLE ID: _____ DATE: 2-10-25
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PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5.1 feet to 15.1 feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 127.65		GROUNDWATER ELEVATION (ft NGVD): NA		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (_____ feet - _____ feet) X _____ gallons/foot = _____ gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 15.10 feet) + 0.05 gallons = 0.44 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.88	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.88	PURGING INITIATED AT: 1158	PURGING ENDED AT: 1218	TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
1208	1.50	1.50	0.15	NA	5.31	28.6	302	0.8	5.01	135		
1211	0.45	1.95	0.15		5.30	28.5	300	0.8	4.91	131		
1214	0.45	2.40	0.15		5.29	28.5	298	0.7	4.31	129		
1217	0.45	2.85	0.15		5.31	28.4	296	0.7	4.54	127	Yellow	
											Turb	
NA - WATER LEVEL IS BELOW THE TOP OF THE DEDICATED PUMP												

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ARMSTRONG / ALC				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT: 1218		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 12.88				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ NO		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y ☒ NO				TUBING Y ☒ NO (replaced)				DUPLICATE: Y ☒ NO			

SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1	PE	1L	-	-	-	Gr-HPLC	BP	0.15	
	1	PE	250 mL	HNO3	-	-	METALS			
	1	PE	250 mL	H2SO4	-	-	N43			
	3	AG	40 mL	HCl	-	-	B260B			
	3	CG	40 mL	Nathio	-	-	8011			
	2	PE	1L	HNO3	-	-	Rad			

REMARKS: Sheen present YES ☒ **NO**

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
 pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DW-45R	SAMPLE ID:	DATE: 2-10-25	

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5.43 feet to 5.45 feet	STATIC DEPTH TO WATER (feet): 9.48	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 128.04		GROUNDWATER ELEVATION (ft NGVD) 118.56		

(only fill out if applicable) $= 15.48 \text{ feet} - 9.48 \text{ feet} \times 0.163 \text{ gallons/foot} = 0.98 \text{ gallons}$

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.48 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.73	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.73	PURGING INITIATED AT: 1230	PURGING ENDED AT: 1250	TOTAL VOLUME PURGED (gallons): 3.00
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WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Dariusz Armar / AGC					SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1250		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 13.73					TUBING MATERIAL CODE: T			FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N)					TUBING Y (N) (replaced)			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH			SAMPLE PUMP FLOW RATE (ml per minute)	
	1		PE	1L	-	-	-	G-CHEM		BP	0.15
	1		PE	250 ml	HNO3	-	-	METALS			
	1		PE	250 ml	H2SO4	-	-	NH3			
	3		AG	40 ml	HCl	-	-	B260B			
	3		CG	40 ml	Nathio	-	-	8011			
	2		PE	1L	HNO3	-	-	RAD			

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: DW-55	SAMPLE ID:		DATE: 2-10-25

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	1/4	WELL SCREEN INTERVAL DEPTH: 5.4 feet to 15.4 feet	STATIC DEPTH TO WATER (feet):	10.51	PURGE PUMP TYPE OR BAILER:	BP	
WELL ELEVATION TOC (ft NGVD)				GROUNDWATER ELEVATION (ft NGVD)					
NA				NA					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)									
= (15.40 feet - 10.51 feet) X 0.163 gallons/foot = 0.80 gallons									
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)									
= 0.2 gallons + (0.0026 gallons/foot X 15.40 feet) + 0.05 gallons = 0.30 gallons									
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	14.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	14.00	PURGING INITIATED AT:	1317	PURGING ENDED AT:	1337	TOTAL VOLUME PURGED (gallons):	2.40

[illegible]

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Daisy Armar / ALC			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1337		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 14.00			TUBING MATERIAL CODE: T			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ N			TUBING Y ☒ N (replaced)			DUPLICATE: Y ☒ N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	1L	-	-	-	G-CHEM	BP	0.12
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	NH3		
	3	AG	40 ml	HCl	-	-	BZBOB		
	3	CG	40 ml	NaOH	-	-	8011		
	2	PE	1L	HNO3	-	-	8011		
REMARKS:									
Shenn present YES ☒ NO									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)									
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)									

pH: ± 0.2 units Temperature: $\pm 0.2^{\circ}\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUVETTE, FL	
WELL NO: LS-1	SAMPLE ID:	DATE: 2-10-78	

[illegible]

SAMPLED BY (PRINT) / SIGNATURE DANNY ARMOUR / ACC				SAMPLER(S) SIGNATURE(S) 				SAMPLING INITIATED AT: 1900		SAMPLING ENDED AT: NR			
PUMP OR TUBING DEPTH IN WELL (feet): NA				TUBING MATERIAL CODE: NA				FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP Y N NA TUBING Y N (replaced)								DUPLICATE: Y ☒ N					
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
	1		PE	250mL	H2O3	-	-	METALS	NA	NA			
	1		PE	250mL	N2OH	-	-	CYANIDE	1	1			
	1		PE	1L	-	-	-	T35					
REMARKS:													
Sheen present YES NO LS-1 = LEAKWATE SAMPLE TAKEN FROM PORT ON TANK													
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)													
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally $+ 5$ NTU or $\pm 10\%$ (whichever is greater)

Atlantic Coast Consulting, Inc.
11545 Wills Road, Ste 100
Alpharetta, Georgia 30009
(770) 594-5998

DEPTH TO WATER MEASUREMENTS

FACILITY: NORTH MANATEE

DATE: 2-10-25

BW-1S	5.87
BW-1D	6.07
BW-2S	4.57
BW-2D	4.49
BW-3SR	8.56
BW-3D	8.30
BW-4S	6.21
BW-4D	6.19
BW-5S	6.82
BW-5D	6.94
⊗ DW-1SR	9.72
⊗ DW-2SR	9.81
⊗ DW-3SR	9.43
DW-4SR	9.48
DW-5S	10.51
UG-1	COULD NOT LOCATE

⊗ DATA WAS COLLECTED AFTER SAMPLING. PUMP WAS REMOVED, WELL ALLOWED TO RECHARGE. WATER LEVEL COLLECTED AND THE DEDICATED PUMP WAS RETURNED TO THE WELL.



WELL CONDITION SUMMARY

Site: NORTA MANAGEE

Personnel: DANNY ARMOUR

Date: 2-10-25 Page 1 of 1

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	General Turbidity	Well Yield	Comments/Observations
BW-15	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	DEDICATED BLADDER PUMP	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-25	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-35R	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-45	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-55	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-15R	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-25R	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-35R	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-45R	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-55	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	

* Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
Return this form to site manager and/or Compliance Manager/Engineer

Daily Instrument Calibration Log

SITE: NORTH MANATEE
TECHNICIAN: DANNY ARMOUR

WATER LEVEL: Solinst
WATER LEVEL S/N: 610199

INSTRUMENT TYPE: HORIBA U-52: Multi Paramater Meter
INSTRUMENT S/N: FKU7MA0L
CAL. SOLUTION: PINE ENV. LOT # 24012509 EXP. DATE: AUGUST 2025

INSTRUMENT TYPE: Hach 2100Q: Turbidity Meter
INSTRUMENT S/N: 171206063767

0 NTU - LOT #- New DI water	10 NTU - LOT # <u>A4172</u>
20 NTU - LOT # <u>A4183</u>	100 NTU - LOT # <u>A4179</u>

Horiba Calibrations

Calibration Date: 2-10-25

PH: 4.0 = 4.01 STANDARD UNITS
CONDUCTIVITY: 4.49 = 4.49 mS/CM
TURBIDITY: 0.0 = 0.0 NTU
TEMPERATURE: 24.4 DEGREES CELSIUS
DIS. OXYGEN 9.05

Hach Calibrations

Calibration Solution	Instrument Reading
0.0	<u>0.00</u> NTU
10.0	<u>10.00</u> NTU
20.0	<u>19.97</u> NTU
100.0	<u>99.8</u> NTU

Calibration Date:

PH: 4.0 = STANDARD UNITS
CONDUCTIVITY: 4.49 = mS/CM
TURBIDITY: 0.0 = NTU
TEMPERATURE: DEGREES CELSIUS
DIS. OXYGEN

Calibration Solution	Instrument Reading
0.0	NTU
10.0	NTU
20.0	NTU
100.0	NTU

Calibration Date:

PH: 4.0 = STANDARD UNITS
CONDUCTIVITY: 4.49 = mS/CM
TURBIDITY: 0.0 = NTU
TEMPERATURE: DEGREES CELSIUS
DIS. OXYGEN

Calibration Solution	Instrument Reading
0.0	NTU
10.0	NTU
20.0	NTU
100.0	NTU

Calibration Date:

PH: 4.0 = STANDARD UNITS
CONDUCTIVITY: 4.49 = mS/CM
TURBIDITY: 0.0 = NTU
TEMPERATURE: DEGREES CELSIUS
DIS. OXYGEN

Calibration Solution	Instrument Reading
0.0	NTU
10.0	NTU
20.0	NTU
100.0	NTU

Calibration Date:

PH: 4.0 = STANDARD UNITS
CONDUCTIVITY: 4.49 = mS/CM
TURBIDITY: 0.0 = NTU
TEMPERATURE: DEGREES CELSIUS
DIS. OXYGEN

Calibration Solution	Instrument Reading
0.0	NTU
10.0	NTU
20.0	NTU
100.0	NTU

APPENDIX D
REPORT IN .PDF FORMAT
AND
ADaPT FILE

APPENDIX E

STATISTICAL EVALUATION REPORT

**Results of the Ground Water Statistics
for North Manatee Recycling & Disposal Facility**

First Semi-Annual Monitoring Event in 2025

Prepared for:
North Manatee Recycling & Disposal Facility
14155 County Road 39
Durette, FL 34219

Prepared by:
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March 2025

INTRODUCTION

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the first semi-annual monitoring event in 2025 at North Manatee Recycling and Disposal Facility. The ground water at North Manatee RDF is monitored by background wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S and compliance wells DW-1SR, DW-2SR, DW-3SR, DW-4SR, and DW-5SR. Monitoring wells BW-1S, BW-2S, BW-3SR, BW-4S, BW-5S, DW-1SR, DW-2SR, DW-3SR, DW-4SR, and DW-5SR were sampled on February 10, 2025 and analyzed for the parameters required by permit.

The statistical plan is designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. Both interwell and intrawell methodologies are described and then applied to the North Manatee RDF data. The statistical plan prepared by Dr. Robert Gibbons conforms with the Coal Combustion Residual (CCR) rule (40 CFR 257), USEPA Guidance document (*“Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance”*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

The groundwater monitoring network for North Manatee RDF includes upgradient wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S and compliance wells DW-1SR, DW-2SR, DW-3SR, and DW-4SR. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in Appendix III and Appendix IV of 40 CFR Part 257.

Appendix III to Part 257 – Constituents for Detection Monitoring

Boron
Calcium
Chloride
Fluoride
pH
Sulfate
Total Dissolved Solids

Appendix IV to Part 257 – Constituents for Assessment Monitoring

Antimony	Lead
Arsenic	Lithium
Barium	Mercury
Beryllium	Molybdenum
Cadmium	Selenium
Chromium	Thallium
Cobalt	
Fluoride	

The ground water data obtained during the first semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

The CCR rule for statistical analysis provides several options for evaluating the ground water data. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were applied to the North Manatee RDF data using the DUMPStat® statistical program. DUMPStat® is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. Ground water statistics are to be done on the trace metals and inorganic constituents listed above.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S during the period from 2011 through the current data. A summary of the background data from monitoring wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells DW-1SR, DW-2SR, DW-3SR, and DW-4SR, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, the site prediction limit exceedances detected are summarized in the table below.

Summary of Prediction Limit Exceedances Detected During the First Semi-Annual Monitoring Period in 2025.

Well	Parameter	Result	Prediction Limit	Prediction Limit Type	Verified/ Awaiting verification
DW-4SR	Calcium, mg/L	107	91.5861	Lognormal	Awaiting verification

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is <1% and the test becomes sensitive to 4 standard deviation unit increases over background.

Intrawell statistics

Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility. This may be due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently. It is recommended that at least eight background samples be obtained prior to performing the statistics.

The most useful technique for intrawell comparisons is the combined Shewhart-CUSUM control chart. This control chart procedure is useful because it will detect releases both in terms of the constituent concentration and cumulative increases. This method is also extremely sensitive to sudden and gradual releases. A requirement for constructing these control charts is that the parameter is detected at a frequency greater than or equal to 25%, otherwise the data variance is not properly defined.

The combined Shewhart-CUSUM control chart assumes that the data are independent and normally distributed with a fixed mean and a constant variance. Independent data is much more critical than the normality assumption. To achieve independence, it is recommended that data are collected no more frequently than quarterly to account for seasonal variation. The combined Shewhart-CUSUM control chart is extremely robust to deviations from normality. Because the control charts do not use a specific multiplier based on a normal distribution, it is more conservative to assume normality.

It is recommended that at least eight rounds of data be available to provide a reliable estimate of the mean and standard deviation of the parameter concentration, although the control charts will be generated with as few as four data points. Having only four data points may produce greater uncertainty in the mean and standard deviation of the background data, leading to higher control limits, thus having a potentially high false negative rate.

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric

prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

In developing the statistical background, the historical data must be thoroughly screened for anomalous data due to sampling error, analytical error, or simply by chance alone. An erroneous data point, if not removed prior to the mean and variance computations, would yield a larger control limit thus increasing the false negative rate. The DUMPStat® program screens for outliers using the Dixon test. Anomalous data will still be plotted on the graphs (with a unique symbol) but will not be included in the calculations.

The verification resample plan is an integral function of the statistical plan to reduce the probability that anomalous data obtained after the background has been established, is indicative of a landfill release.

The background data for each well and constituent is tested for existing trends using Sen's nonparametric estimate of trend. If contamination exists prior to completing the background, the control limits could be potentially high and this control chart method would not be able to detect an increasing trend unless the increase is severe.

Results of the Intrawell Statistics

The Appendix III and Appendix IV parameter data from wells DW-1SR, DW-2SR, DW-3SR, and DW-4SR were evaluated using the combined Shewhart-CUSUM control chart method. The previous background included historical data obtained from 2014 through 2019 for all wells. As ground water monitoring at a facility proceeds, it is recommended to update background data sets periodically with valid detection monitoring results that are representative of background groundwater quality not affected by leakage from a monitored unit. Failure to update background will exclude factors such as natural temporal variation, changes in field or laboratory methodologies, and changes in the water table due to meteorological conditions or other influences. Ongoing operations at a facility such as excavations or drainage control may affect the ground water flow direction and water quality. An increase in the number of statistical failures, not related to the landfill, is routinely observed for sites neglecting to update the statistical background with valid data points. Since there were no previous exceedances attributed to the facility, the background for each well was updated to include data collected through 2021.

A summary of the intrawell statistics is included in Attachment C, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the parameters evaluated, the control limit exceedances detected are summarized in the table below.

Summary of Control Limit Exceedances Detected During the First Semi-Annual Monitoring Period in 2025.

Well	Parameter	Result	CUSUM Value	Control limit	Control Limit Type	Verified/Awaiting Verification
DW-1SR	pH, SU	5.66	6.5537	3.56 - 6.22	Normal	Verified
DW-2SR	pH, SU	5.98	7.4143	1.98 - 6.70	Normal	Verified
DW-3SR	pH, SU	5.31	6.5300	2.90 - 6.18	Normal	Verified
DW-4SR	Calcium, mg/L	107	138.3378	57.0483	Normal	Awaiting Verification
	pH, SU	6.14	7.0100	3.45 - 6.41	Normal	Verified

No increasing trends were detected in the background data.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. The site-wide false positive rate is 2% and the test becomes sensitive to 4 standard deviation units over background.

CONCLUSIONS

This document describes a comprehensive statistical plan designated for the North Manatee RDF. The groundwater monitoring network for North Manatee RDF includes upgradient wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S and compliance wells DW-1SR, DW-2SR, DW-3SR, and DW-4S. Each of the groundwater monitoring wells is to be sampled and analyzed for the detection monitoring parameters listed in Appendix III and Appendix IV of 40 CFR Part 257. The ground water data was compared to background using prediction limits (interwell) and using control charts (intra-well). For the most current data, there is an unconfirmed site prediction limit exceedance for calcium at DW-4SR. Using intra-well comparisons, there are verified control limit exceedances detected for pH at DW-1SR, pH at DW-2SR, pH at DW-3SR, and pH at DW-4SR. Additionally, there is a control limit exceedance detected for calcium at DW-4SR awaiting verification.

Attachment A

Ground Water Data obtained during the First Semi-Annual Monitoring Event in 2025

Table 1

Analytical Data Summary for 2/10/2025

Constituents	Units	BW-1S	BW-2S	BW-3SR	BW-4S	BW-5S	DW-1SR	DW-2SR	DW-3SR	DW-4SR	DW-5SR
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-dibromo-3-chloropropane (dbcp)	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-dibromoethane (edb)	ug/L	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Acrylonitrile	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Ammonia	mg/L	<.100	.149	.711	.258	<.100	<.100	<.100	<.100	.610	.395
Antimony	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	ug/L	<10.0	<10.0	10.1	33.4	11.9	<10.0	<10.0	<10.0	10.0	19.8
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Cadmium	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Calcium	mg/L	19.00	7.40	25.40	5.32	28.80	15.80	23.70	66.00	107.00	
Carbon disulfide	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	12.80	15.50	34.40	9.97	7.86	<3.00	4.44	4.69	8.18	4.87
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chromium	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cis-1,2-dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	ug/L	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dissolved oxygen (field)	mg/L	.4	.4	.5	.7	.9	1.5	.8	.7	.7	.4
eH/ORP	mV	-6	-7	-5	128	138	138	153	127	-41	85
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoride	mg/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Groundwater elevation	ft/msl	120.53	120.84	121.84	123.25	120.73				118.56	
Iodomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron	ug/L	1530	2820	479	1880	455	<100	<100	228	407	2180
Lead	ug/L	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
Lithium	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Mercury	ug/L	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Methyl ethyl ketone	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6

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

Table 1

Analytical Data Summary for 2/10/2025

Constituents	Units	BW-1S	BW-2S	BW-3SR	BW-4S	BW-5S	DW-1SR	DW-2SR	DW-3SR	DW-4SR	DW-5SR
Methyl isobutyl ketone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Nickel	ug/L	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
Nitrate, nitrogen	mg/L	<.500	<.500	<.500	<.500	<.500	1.980	.533	<.500	<.500	<.500
pH (Field)	S.U.	5.68	5.37	5.58	4.59	5.62	5.66	5.98	5.31	6.14	4.78
Residue, filterable (tds)	mg/L	172	68	176	201	204	96	154	271	391	115
Selenium	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Silver	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sodium	mg/L	7.25	7.22	14.40	32.80	10.20	1.42	<1.00	2.38	3.16	4.47
Specific conductance (field)	umhos/cm	150	92	238	320	346	79	178	296	517	180
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	14.6	<5.0	32.7	127.0	98.7	16.6	41.3	262.0	90.5	
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total xylenes	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Trans-1,2-dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trans-1,4-dichloro-2-butene	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Turbidity (field)	NTU	4.77	1.52	.74	3.37	3.59	7.04	5.05	4.54	4.59	4.03
Vanadium	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	13.3	<10.0	<10.0	<10.0
Vinyl acetate	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water temperature (field)	degrees C	22.9	23.3	23.3	21.5	22.3	28.8	27.3	28.4	27.4	29.4
Zinc	ug/L	<20	<20	<20	<20	<20	113	<20	<20	<20	<20

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	BW-1S	10/05/2011	ND	2.0000		
Antimony	ug/L	BW-1S	02/14/2012	ND	2.0000		
Antimony	ug/L	BW-1S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-1S	02/14/2013	ND	2.0000		
Antimony	ug/L	BW-1S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-1S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-1S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-1S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-1S	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-1S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-1S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-1S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-1S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-1S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-1S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-1S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-1S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-1S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-1S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-1S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-1S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-1S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-1S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-1S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-1S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-1S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-1S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-1S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-1S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-1S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-1S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-1S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-2S	10/05/2011	ND	2.0000		
Antimony	ug/L	BW-2S	02/14/2012	ND	2.0000		
Antimony	ug/L	BW-2S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-2S	02/14/2013	ND	2.0000		
Antimony	ug/L	BW-2S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-2S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-2S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-2S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-2S	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-2S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-2S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-2S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-2S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-2S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-2S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-2S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-2S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-2S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-2S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-2S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-2S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-2S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-2S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-2S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-2S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-2S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-2S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-2S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-2S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-2S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-2S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-2S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-3SR	02/15/2012	ND	2.0000		
Antimony	ug/L	BW-3SR	08/16/2012	ND	2.0000		
Antimony	ug/L	BW-3SR	02/15/2013	ND	2.0000		
Antimony	ug/L	BW-3SR	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-3SR	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-3SR	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-3SR	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-3SR	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-3SR	02/16/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	05/05/2016	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	BW-3SR	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	11/03/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-3SR	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-3SR	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-3SR	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-3SR	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-3SR	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-3SR	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-3SR	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-3SR	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-3SR	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-3SR	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-3SR	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-3SR	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-3SR	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-3SR	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-4S	10/04/2011	ND	2.0000		
Antimony	ug/L	BW-4S	02/13/2012	ND	2.0000		
Antimony	ug/L	BW-4S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-4S	02/15/2013	ND	2.0000		
Antimony	ug/L	BW-4S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-4S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-4S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-4S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-4S	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-4S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-4S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-4S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-4S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-4S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-4S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-4S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-4S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-4S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-4S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-4S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-4S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-4S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-4S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-4S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-4S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-4S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-4S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-4S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-4S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-4S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-4S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-4S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-5S	10/04/2011	ND	2.0000		
Antimony	ug/L	BW-5S	02/15/2012	ND	2.0000		
Antimony	ug/L	BW-5S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-5S	02/15/2013	ND	2.0000		
Antimony	ug/L	BW-5S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-5S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-5S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-5S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-5S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-5S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-5S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-5S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-5S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-5S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-5S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-5S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-5S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-5S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-5S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-5S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-5S	02/11/2020	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	BW-5S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-5S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-5S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-5S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-5S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-5S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-5S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-5S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-5S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-5S	02/10/2025	ND	2.0000		
Arsenic	ug/L	BW-1S	10/05/2011	ND	5.0000		
Arsenic	ug/L	BW-1S	02/14/2012	ND	5.0000		
Arsenic	ug/L	BW-1S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-1S	02/14/2013	ND	5.0000		
Arsenic	ug/L	BW-1S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-1S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-1S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-1S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-1S	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-1S	02/15/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-1S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-1S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-1S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-1S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-1S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-1S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-1S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-1S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-1S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-1S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-1S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-1S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-1S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-1S	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-2S	10/05/2011	ND	5.0000		
Arsenic	ug/L	BW-2S	02/14/2012	ND	5.0000		
Arsenic	ug/L	BW-2S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-2S	02/14/2013	ND	5.0000		
Arsenic	ug/L	BW-2S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-2S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-2S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-2S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-2S	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-2S	02/15/2016		5.3000		
Arsenic	ug/L	BW-2S	05/05/2016		7.6000		
Arsenic	ug/L	BW-2S	08/04/2016		7.8000		
Arsenic	ug/L	BW-2S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-2S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-2S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-2S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-2S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-2S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-2S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-2S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-2S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-2S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-2S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-2S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-2S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-2S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-2S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-2S	02/10/2025	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic	ug/L	BW-3SR	02/15/2012	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/16/2012	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/15/2013	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-3SR	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/16/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	11/03/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-4S	10/04/2011	ND	5.0000		
Arsenic	ug/L	BW-4S	02/13/2012	ND	5.0000		
Arsenic	ug/L	BW-4S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-4S	02/15/2013	ND	5.0000		
Arsenic	ug/L	BW-4S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-4S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-4S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-4S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-4S	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-4S	02/15/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-4S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-4S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-4S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-4S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-4S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-4S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-4S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-4S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-4S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-4S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-4S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-4S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-4S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-4S	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-5S	10/04/2011	ND	5.0000		
Arsenic	ug/L	BW-5S	02/15/2012	ND	5.0000		
Arsenic	ug/L	BW-5S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-5S	02/15/2013	ND	5.0000		
Arsenic	ug/L	BW-5S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-5S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-5S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-5S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-5S	02/15/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	08/04/2016	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic	ug/L	BW-5S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-5S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-5S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-5S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-5S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-5S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-5S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-5S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-5S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-5S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-5S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-5S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-5S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-5S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-5S	02/10/2025	ND	5.0000		
Barium	ug/L	BW-1S	10/05/2011		11.0000		
Barium	ug/L	BW-1S	02/14/2012		13.0000		
Barium	ug/L	BW-1S	08/15/2012	ND	10.0000		
Barium	ug/L	BW-1S	02/14/2013	ND	10.0000		
Barium	ug/L	BW-1S	08/21/2013	ND	10.0000		
Barium	ug/L	BW-1S	08/27/2014	ND	10.0000		
Barium	ug/L	BW-1S	02/13/2015	ND	10.0000		
Barium	ug/L	BW-1S	08/17/2015	ND	10.0000		
Barium	ug/L	BW-1S	12/17/2015	ND	10.0000		
Barium	ug/L	BW-1S	02/15/2016	ND	10.0000		
Barium	ug/L	BW-1S	05/05/2016	ND	10.0000		
Barium	ug/L	BW-1S	08/04/2016	ND	10.0000		
Barium	ug/L	BW-1S	11/02/2016	ND	10.0000		
Barium	ug/L	BW-1S	02/13/2017	ND	10.0000		
Barium	ug/L	BW-1S	05/03/2017	ND	10.0000		
Barium	ug/L	BW-1S	08/16/2017	ND	10.0000		
Barium	ug/L	BW-1S	11/07/2017	ND	10.0000		
Barium	ug/L	BW-1S	02/08/2018	ND	10.0000		
Barium	ug/L	BW-1S	08/23/2018	ND	10.0000		
Barium	ug/L	BW-1S	02/08/2019	ND	10.0000		
Barium	ug/L	BW-1S	08/27/2019	ND	10.0000		
Barium	ug/L	BW-1S	02/11/2020	ND	10.0000		
Barium	ug/L	BW-1S	08/24/2020	ND	10.0000		
Barium	ug/L	BW-1S	02/08/2021	ND	10.0000		
Barium	ug/L	BW-1S	08/20/2021	ND	10.0000		
Barium	ug/L	BW-1S	02/10/2022	ND	10.0000		
Barium	ug/L	BW-1S	08/16/2022	ND	10.0000		
Barium	ug/L	BW-1S	02/10/2023		10.6000		
Barium	ug/L	BW-1S	08/17/2023	ND	10.0000		
Barium	ug/L	BW-1S	02/09/2024	ND	10.0000		
Barium	ug/L	BW-1S	08/21/2024	ND	10.0000		
Barium	ug/L	BW-1S	02/10/2025	ND	10.0000		
Barium	ug/L	BW-2S	10/05/2011		14.0000		
Barium	ug/L	BW-2S	02/14/2012		13.0000		
Barium	ug/L	BW-2S	08/15/2012		21.0000		
Barium	ug/L	BW-2S	02/14/2013		15.0000		
Barium	ug/L	BW-2S	08/21/2013		12.0000		
Barium	ug/L	BW-2S	08/27/2014	ND	10.0000		
Barium	ug/L	BW-2S	02/13/2015	ND	10.0000		
Barium	ug/L	BW-2S	08/17/2015		12.0000		
Barium	ug/L	BW-2S	12/17/2015	ND	10.0000		
Barium	ug/L	BW-2S	02/15/2016	ND	10.0000		
Barium	ug/L	BW-2S	05/05/2016	ND	10.0000		
Barium	ug/L	BW-2S	08/04/2016	ND	10.0000		
Barium	ug/L	BW-2S	11/02/2016	ND	10.0000		
Barium	ug/L	BW-2S	02/13/2017	ND	10.0000		
Barium	ug/L	BW-2S	05/03/2017	ND	10.0000		
Barium	ug/L	BW-2S	08/16/2017		11.0000		
Barium	ug/L	BW-2S	11/07/2017	ND	10.0000		
Barium	ug/L	BW-2S	02/08/2018	ND	10.0000		
Barium	ug/L	BW-2S	08/23/2018		11.0000		
Barium	ug/L	BW-2S	02/08/2019	ND	10.0000		
Barium	ug/L	BW-2S	08/27/2019	ND	10.0000		
Barium	ug/L	BW-2S	02/11/2020	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium	ug/L	BW-2S	08/24/2020		16.5000		
Barium	ug/L	BW-2S	02/08/2021	ND	10.0000		
Barium	ug/L	BW-2S	08/20/2021		15.4000		
Barium	ug/L	BW-2S	02/10/2022	ND	10.0000		
Barium	ug/L	BW-2S	08/16/2022		13.0000		
Barium	ug/L	BW-2S	02/10/2023		10.9000		
Barium	ug/L	BW-2S	08/17/2023		11.2000		
Barium	ug/L	BW-2S	02/09/2024	ND	10.0000		
Barium	ug/L	BW-2S	08/21/2024	ND	10.0000		
Barium	ug/L	BW-2S	02/10/2025	ND	10.0000		
Barium	ug/L	BW-3SR	02/15/2012		13.0000		
Barium	ug/L	BW-3SR	08/16/2012		11.0000		
Barium	ug/L	BW-3SR	02/15/2013		13.0000		
Barium	ug/L	BW-3SR	08/21/2013		13.0000		
Barium	ug/L	BW-3SR	08/27/2014		13.0000		
Barium	ug/L	BW-3SR	02/13/2015	ND	10.0000		
Barium	ug/L	BW-3SR	08/17/2015	ND	10.0000		
Barium	ug/L	BW-3SR	12/17/2015	ND	10.0000		
Barium	ug/L	BW-3SR	02/16/2016		18.0000		
Barium	ug/L	BW-3SR	05/05/2016	ND	10.0000		
Barium	ug/L	BW-3SR	08/04/2016	ND	10.0000		
Barium	ug/L	BW-3SR	11/03/2016	ND	10.0000		
Barium	ug/L	BW-3SR	02/13/2017	ND	10.0000		
Barium	ug/L	BW-3SR	05/03/2017		16.0000		
Barium	ug/L	BW-3SR	08/16/2017	ND	10.0000		
Barium	ug/L	BW-3SR	11/07/2017	ND	10.0000		
Barium	ug/L	BW-3SR	02/08/2018	ND	10.0000		
Barium	ug/L	BW-3SR	08/23/2018	ND	10.0000		
Barium	ug/L	BW-3SR	02/08/2019		12.0000		
Barium	ug/L	BW-3SR	08/27/2019		19.0000		
Barium	ug/L	BW-3SR	02/11/2020		11.0000		
Barium	ug/L	BW-3SR	08/24/2020	ND	10.0000		
Barium	ug/L	BW-3SR	02/08/2021	ND	10.0000		
Barium	ug/L	BW-3SR	08/20/2021		25.3000		
Barium	ug/L	BW-3SR	02/10/2022	ND	10.0000		
Barium	ug/L	BW-3SR	08/16/2022	ND	10.0000		
Barium	ug/L	BW-3SR	02/10/2023		10.1000		
Barium	ug/L	BW-3SR	08/17/2023	ND	10.0000		
Barium	ug/L	BW-3SR	02/09/2024	ND	10.0000		
Barium	ug/L	BW-3SR	08/21/2024	ND	10.0000		
Barium	ug/L	BW-3SR	02/10/2025		10.1000		
Barium	ug/L	BW-4S	10/04/2011		93.0000		
Barium	ug/L	BW-4S	02/13/2012		67.0000		
Barium	ug/L	BW-4S	08/15/2012		100.0000		
Barium	ug/L	BW-4S	02/15/2013		87.0000		
Barium	ug/L	BW-4S	08/21/2013		57.0000		
Barium	ug/L	BW-4S	08/27/2014		68.0000		
Barium	ug/L	BW-4S	02/13/2015		49.0000		
Barium	ug/L	BW-4S	08/17/2015		64.0000		
Barium	ug/L	BW-4S	12/17/2015		47.0000		
Barium	ug/L	BW-4S	02/15/2016		28.0000		
Barium	ug/L	BW-4S	05/05/2016		16.0000		
Barium	ug/L	BW-4S	08/04/2016		46.0000		
Barium	ug/L	BW-4S	11/02/2016		24.0000		
Barium	ug/L	BW-4S	02/13/2017		16.0000		
Barium	ug/L	BW-4S	05/03/2017		42.0000		
Barium	ug/L	BW-4S	08/16/2017		60.0000		
Barium	ug/L	BW-4S	11/07/2017		53.0000		
Barium	ug/L	BW-4S	02/08/2018		64.0000		
Barium	ug/L	BW-4S	08/23/2018		89.0000		
Barium	ug/L	BW-4S	02/08/2019		41.0000		
Barium	ug/L	BW-4S	08/27/2019		44.0000		
Barium	ug/L	BW-4S	02/11/2020		33.0000		
Barium	ug/L	BW-4S	08/24/2020		23.3000		
Barium	ug/L	BW-4S	02/08/2021		33.8000		
Barium	ug/L	BW-4S	08/20/2021		57.6000		
Barium	ug/L	BW-4S	02/10/2022		26.0000		
Barium	ug/L	BW-4S	08/16/2022		29.9000		
Barium	ug/L	BW-4S	02/10/2023		25.9000		
Barium	ug/L	BW-4S	08/17/2023		27.0000		
Barium	ug/L	BW-4S	02/09/2024		23.1000		
Barium	ug/L	BW-4S	08/21/2024		29.6000		
Barium	ug/L	BW-4S	02/10/2025		33.4000		
Barium	ug/L	BW-5S	10/04/2011		55.0000		

* - Outlier for that well and constituent.

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ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium	ug/L	BW-5S	02/15/2012		41.0000		
Barium	ug/L	BW-5S	08/15/2012		13.0000		
Barium	ug/L	BW-5S	02/15/2013		68.0000		
Barium	ug/L	BW-5S	08/21/2013	ND	10.0000		
Barium	ug/L	BW-5S	08/27/2014		35.0000		
Barium	ug/L	BW-5S	02/13/2015	ND	10.0000		
Barium	ug/L	BW-5S	08/17/2015	ND	10.0000		
Barium	ug/L	BW-5S	02/15/2016	ND	10.0000		
Barium	ug/L	BW-5S	05/05/2016	ND	10.0000		
Barium	ug/L	BW-5S	08/04/2016	ND	10.0000		
Barium	ug/L	BW-5S	11/02/2016		36.0000		
Barium	ug/L	BW-5S	02/13/2017		85.0000		
Barium	ug/L	BW-5S	05/03/2017		85.0000		
Barium	ug/L	BW-5S	08/16/2017	ND	10.0000		
Barium	ug/L	BW-5S	11/07/2017		17.0000		
Barium	ug/L	BW-5S	02/08/2018		74.0000		
Barium	ug/L	BW-5S	08/23/2018	ND	10.0000		
Barium	ug/L	BW-5S	02/08/2019		28.0000		
Barium	ug/L	BW-5S	08/27/2019	ND	10.0000		
Barium	ug/L	BW-5S	02/11/2020		40.0000		
Barium	ug/L	BW-5S	08/24/2020		45.6000		
Barium	ug/L	BW-5S	02/08/2021		26.0000		
Barium	ug/L	BW-5S	08/20/2021	ND	10.0000		
Barium	ug/L	BW-5S	02/10/2022		19.2000		
Barium	ug/L	BW-5S	08/16/2022		29.4000		
Barium	ug/L	BW-5S	02/10/2023		33.2000		
Barium	ug/L	BW-5S	08/17/2023		43.5000		
Barium	ug/L	BW-5S	02/09/2024		19.8000		
Barium	ug/L	BW-5S	08/21/2024	ND	10.0000		
Barium	ug/L	BW-5S	02/10/2025		11.9000		
Beryllium	ug/L	BW-1S	10/05/2011	ND	1.0000		
Beryllium	ug/L	BW-1S	02/14/2012	ND	1.0000		
Beryllium	ug/L	BW-1S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-1S	02/14/2013	ND	1.0000		
Beryllium	ug/L	BW-1S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-1S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-1S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-1S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-1S	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-1S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-1S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-1S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-1S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-1S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-1S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-1S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-1S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-1S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-1S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-1S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-1S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-1S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-1S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-1S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-2S	10/05/2011	ND	1.0000		
Beryllium	ug/L	BW-2S	02/14/2012	ND	1.0000		
Beryllium	ug/L	BW-2S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-2S	02/14/2013	ND	1.0000		
Beryllium	ug/L	BW-2S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-2S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-2S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-2S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-2S	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-2S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	08/04/2016	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium	ug/L	BW-2S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-2S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-2S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-2S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-2S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-2S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-2S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-2S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-2S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-2S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-2S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-2S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-2S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-2S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-2S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/15/2012	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/16/2012	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/15/2013	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-3SR	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/16/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	11/03/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-4S	10/04/2011	ND	1.0000		
Beryllium	ug/L	BW-4S	02/13/2012	ND	1.0000		
Beryllium	ug/L	BW-4S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-4S	02/15/2013	ND	1.0000		
Beryllium	ug/L	BW-4S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-4S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-4S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-4S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-4S	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-4S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-4S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-4S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-4S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-4S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-4S	08/24/2020	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

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Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium	ug/L	BW-4S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-4S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-4S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-4S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-4S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-4S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-4S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-4S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-4S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-5S	10/04/2011	ND	1.0000		
Beryllium	ug/L	BW-5S	02/15/2012	ND	1.0000		
Beryllium	ug/L	BW-5S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-5S	02/15/2013	ND	1.0000		
Beryllium	ug/L	BW-5S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-5S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-5S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-5S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-5S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-5S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-5S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-5S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-5S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-5S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-5S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-5S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-5S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-5S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-5S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-5S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-5S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-5S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-5S	02/10/2025	ND	1.0000		
Boron	ug/L	BW-1S	12/17/2015	ND	100.0000		
Boron	ug/L	BW-1S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-1S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-1S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-1S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-1S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-1S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-1S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-1S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-1S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-1S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-1S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-1S	08/27/2019	ND	100.0000		
Boron	ug/L	BW-1S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-1S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-1S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-1S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-1S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-1S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-1S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-1S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-1S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-1S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-1S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-2S	12/17/2015	ND	100.0000		
Boron	ug/L	BW-2S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-2S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-2S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-2S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-2S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-2S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-2S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-2S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-2S	02/08/2018	ND	100.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Boron	ug/L	BW-2S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-2S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-2S	08/27/2019	ND	100.0000		
Boron	ug/L	BW-2S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-2S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-2S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-2S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-2S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-2S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-2S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-2S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-2S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-2S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-2S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-3SR	12/17/2015	ND	100.0000		
Boron	ug/L	BW-3SR	02/16/2016	ND	100.0000		
Boron	ug/L	BW-3SR	05/05/2016	ND	100.0000		
Boron	ug/L	BW-3SR	08/04/2016	ND	100.0000		
Boron	ug/L	BW-3SR	11/03/2016	ND	100.0000		
Boron	ug/L	BW-3SR	02/13/2017	ND	100.0000		
Boron	ug/L	BW-3SR	05/03/2017		210.0000		
Boron	ug/L	BW-3SR	08/16/2017	ND	100.0000		
Boron	ug/L	BW-3SR	11/07/2017	ND	100.0000		
Boron	ug/L	BW-3SR	02/08/2018	ND	100.0000		
Boron	ug/L	BW-3SR	08/23/2018	ND	100.0000		
Boron	ug/L	BW-3SR	02/08/2019	ND	100.0000		
Boron	ug/L	BW-3SR	08/27/2019	ND	100.0000		
Boron	ug/L	BW-3SR	02/11/2020	ND	100.0000		
Boron	ug/L	BW-3SR	08/24/2020	ND	100.0000		
Boron	ug/L	BW-3SR	02/08/2021	ND	100.0000		
Boron	ug/L	BW-3SR	08/20/2021	ND	100.0000		
Boron	ug/L	BW-3SR	02/10/2022	ND	100.0000		
Boron	ug/L	BW-3SR	08/16/2022	ND	100.0000		
Boron	ug/L	BW-3SR	02/10/2023	ND	100.0000		
Boron	ug/L	BW-3SR	08/17/2023	ND	100.0000		
Boron	ug/L	BW-3SR	02/09/2024	ND	100.0000		
Boron	ug/L	BW-3SR	08/21/2024	ND	100.0000		
Boron	ug/L	BW-3SR	02/10/2025	ND	100.0000		
Boron	ug/L	BW-4S	12/17/2015	ND	100.0000		
Boron	ug/L	BW-4S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-4S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-4S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-4S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-4S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-4S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-4S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-4S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-4S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-4S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-4S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-4S	08/27/2019	ND	100.0000		
Boron	ug/L	BW-4S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-4S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-4S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-4S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-4S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-4S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-4S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-4S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-4S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-4S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-4S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-5S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-5S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-5S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-5S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-5S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-5S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-5S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-5S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-5S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-5S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-5S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-5S	08/27/2019	ND	100.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Boron	ug/L	BW-5S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-5S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-5S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-5S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-5S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-5S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-5S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-5S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-5S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-5S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-5S	02/10/2025	ND	100.0000		
Cadmium	ug/L	BW-1S	10/05/2011	ND	5.0000		
Cadmium	ug/L	BW-1S	02/14/2012	ND	5.0000		
Cadmium	ug/L	BW-1S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-1S	02/14/2013	ND	5.0000		
Cadmium	ug/L	BW-1S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-1S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-1S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-1S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-1S	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-1S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-1S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-1S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-1S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-1S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-1S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-1S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-1S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-1S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-1S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-1S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-1S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-1S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-1S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-1S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-2S	10/05/2011	ND	5.0000		
Cadmium	ug/L	BW-2S	02/14/2012	ND	5.0000		
Cadmium	ug/L	BW-2S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-2S	02/14/2013	ND	5.0000		
Cadmium	ug/L	BW-2S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-2S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-2S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-2S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-2S	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-2S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-2S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-2S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-2S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-2S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-2S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-2S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-2S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-2S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-2S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-2S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-2S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-2S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-2S	08/21/2024	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

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Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium	ug/L	BW-2S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/15/2012	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/16/2012	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/15/2013	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-3SR	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/16/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	11/03/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-4S	10/04/2011	ND	5.0000		
Cadmium	ug/L	BW-4S	02/13/2012	ND	5.0000		
Cadmium	ug/L	BW-4S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-4S	02/15/2013	ND	5.0000		
Cadmium	ug/L	BW-4S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-4S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-4S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-4S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-4S	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-4S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-4S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-4S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-4S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-4S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-4S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-4S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-4S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-4S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-4S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-4S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-4S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-4S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-4S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-4S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-5S	10/04/2011	ND	5.0000		
Cadmium	ug/L	BW-5S	02/15/2012	ND	5.0000		
Cadmium	ug/L	BW-5S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-5S	02/15/2013	ND	5.0000		
Cadmium	ug/L	BW-5S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-5S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-5S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-5S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-5S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	05/05/2016	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium	ug/L	BW-5S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-5S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-5S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-5S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-5S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-5S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-5S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-5S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-5S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-5S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-5S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-5S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-5S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-5S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-5S	02/10/2025	ND	5.0000		
Calcium	mg/L	BW-1S	12/17/2015		7.4000		
Calcium	mg/L	BW-1S	02/15/2016		6.5000		
Calcium	mg/L	BW-1S	05/05/2016		6.0000		
Calcium	mg/L	BW-1S	08/04/2016		5.0000		
Calcium	mg/L	BW-1S	11/02/2016		5.5000		
Calcium	mg/L	BW-1S	02/13/2017		5.2000		
Calcium	mg/L	BW-1S	05/03/2017		4.0000		
Calcium	mg/L	BW-1S	08/16/2017		8.9000		
Calcium	mg/L	BW-1S	11/07/2017		7.1000		
Calcium	mg/L	BW-1S	02/08/2018		7.1000		
Calcium	mg/L	BW-1S	08/23/2018		8.9000		
Calcium	mg/L	BW-1S	02/08/2019		7.4000		
Calcium	mg/L	BW-1S	08/27/2019		7.8000		
Calcium	mg/L	BW-1S	02/11/2020		5.5000		
Calcium	mg/L	BW-1S	08/24/2020		6.9600		
Calcium	mg/L	BW-1S	02/08/2021		8.7300		
Calcium	mg/L	BW-1S	08/20/2021		10.8000		
Calcium	mg/L	BW-1S	02/10/2022		14.2000		
Calcium	mg/L	BW-1S	08/16/2022		11.9000		
Calcium	mg/L	BW-1S	02/10/2023		29.7000		
Calcium	mg/L	BW-1S	08/17/2023		15.6000		
Calcium	mg/L	BW-1S	02/09/2024		28.9000		
Calcium	mg/L	BW-1S	08/21/2024		35.0000		
Calcium	mg/L	BW-1S	02/10/2025		19.0000		
Calcium	mg/L	BW-2S	12/17/2015		9.5000		
Calcium	mg/L	BW-2S	02/15/2016		21.0000		
Calcium	mg/L	BW-2S	05/05/2016		18.0000		
Calcium	mg/L	BW-2S	08/04/2016		23.0000		
Calcium	mg/L	BW-2S	11/02/2016		12.0000		
Calcium	mg/L	BW-2S	02/13/2017		4.6000		
Calcium	mg/L	BW-2S	05/03/2017		4.3000		
Calcium	mg/L	BW-2S	08/16/2017		23.0000		
Calcium	mg/L	BW-2S	11/07/2017		5.3000		
Calcium	mg/L	BW-2S	02/08/2018		7.7000		
Calcium	mg/L	BW-2S	08/23/2018		28.0000		
Calcium	mg/L	BW-2S	02/08/2019		13.0000		
Calcium	mg/L	BW-2S	08/27/2019		30.0000		
Calcium	mg/L	BW-2S	02/11/2020		11.0000		
Calcium	mg/L	BW-2S	08/24/2020		8.1100		
Calcium	mg/L	BW-2S	02/08/2021		15.0000		
Calcium	mg/L	BW-2S	08/20/2021		45.1000		
Calcium	mg/L	BW-2S	02/10/2022		23.2000		
Calcium	mg/L	BW-2S	08/16/2022		5.8100		
Calcium	mg/L	BW-2S	02/10/2023		24.2000		
Calcium	mg/L	BW-2S	08/17/2023		4.9400		
Calcium	mg/L	BW-2S	02/09/2024		11.0000		
Calcium	mg/L	BW-2S	08/21/2024		8.0400		
Calcium	mg/L	BW-2S	02/10/2025		7.4000		
Calcium	mg/L	BW-3SR	12/17/2015		27.0000		
Calcium	mg/L	BW-3SR	02/16/2016		2.4000		
Calcium	mg/L	BW-3SR	05/05/2016		30.0000		
Calcium	mg/L	BW-3SR	08/04/2016		29.0000		
Calcium	mg/L	BW-3SR	11/03/2016		28.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Calcium	mg/L	BW-3SR	02/13/2017		24.0000		
Calcium	mg/L	BW-3SR	05/03/2017		81.0000		
Calcium	mg/L	BW-3SR	08/16/2017		33.0000		
Calcium	mg/L	BW-3SR	11/07/2017		28.0000		
Calcium	mg/L	BW-3SR	02/08/2018		28.0000		
Calcium	mg/L	BW-3SR	08/23/2018		40.0000		
Calcium	mg/L	BW-3SR	02/08/2019		34.0000		
Calcium	mg/L	BW-3SR	08/27/2019		77.0000		
Calcium	mg/L	BW-3SR	02/11/2020		28.0000		
Calcium	mg/L	BW-3SR	08/24/2020		15.1000		
Calcium	mg/L	BW-3SR	02/08/2021		14.1000		
Calcium	mg/L	BW-3SR	08/20/2021		76.6000		
Calcium	mg/L	BW-3SR	02/10/2022		25.6000		
Calcium	mg/L	BW-3SR	08/16/2022		14.1000		
Calcium	mg/L	BW-3SR	02/10/2023		27.4000		
Calcium	mg/L	BW-3SR	08/17/2023		13.3000		
Calcium	mg/L	BW-3SR	02/09/2024		12.3000		
Calcium	mg/L	BW-3SR	08/21/2024		35.5000		
Calcium	mg/L	BW-3SR	02/10/2025		25.4000		
Calcium	mg/L	BW-4S	12/17/2015		5.4000		
Calcium	mg/L	BW-4S	02/15/2016		4.0000		
Calcium	mg/L	BW-4S	05/05/2016		4.5000		
Calcium	mg/L	BW-4S	08/04/2016		4.1000		
Calcium	mg/L	BW-4S	11/02/2016		2.0000		
Calcium	mg/L	BW-4S	02/13/2017		2.1000		
Calcium	mg/L	BW-4S	05/03/2017		9.8000		
Calcium	mg/L	BW-4S	08/16/2017		12.0000		
Calcium	mg/L	BW-4S	11/07/2017		8.8000		
Calcium	mg/L	BW-4S	02/08/2018		13.0000		
Calcium	mg/L	BW-4S	08/23/2018		22.0000		
Calcium	mg/L	BW-4S	02/08/2019		7.8000		
Calcium	mg/L	BW-4S	08/27/2019		11.0000		
Calcium	mg/L	BW-4S	02/11/2020		6.7000		
Calcium	mg/L	BW-4S	08/24/2020		3.9600		
Calcium	mg/L	BW-4S	02/08/2021		6.8700		
Calcium	mg/L	BW-4S	08/20/2021		13.9000		
Calcium	mg/L	BW-4S	02/10/2022		5.5000		
Calcium	mg/L	BW-4S	08/16/2022		3.3400		
Calcium	mg/L	BW-4S	02/10/2023		3.7100		
Calcium	mg/L	BW-4S	08/17/2023		2.5900		
Calcium	mg/L	BW-4S	02/09/2024		7.1100		
Calcium	mg/L	BW-4S	08/21/2024		10.4000		
Calcium	mg/L	BW-4S	02/10/2025		5.3200		
Calcium	mg/L	BW-5S	02/15/2016		31.0000		
Calcium	mg/L	BW-5S	05/05/2016		22.0000		
Calcium	mg/L	BW-5S	08/04/2016		22.0000		
Calcium	mg/L	BW-5S	11/02/2016		25.0000		
Calcium	mg/L	BW-5S	02/13/2017		14.0000		
Calcium	mg/L	BW-5S	05/03/2017		14.0000		
Calcium	mg/L	BW-5S	08/16/2017		19.0000		
Calcium	mg/L	BW-5S	11/07/2017		31.0000		
Calcium	mg/L	BW-5S	02/08/2018		17.0000		
Calcium	mg/L	BW-5S	08/23/2018		25.0000		
Calcium	mg/L	BW-5S	02/08/2019		17.0000		
Calcium	mg/L	BW-5S	08/27/2019		30.0000		
Calcium	mg/L	BW-5S	02/11/2020		34.0000		
Calcium	mg/L	BW-5S	08/24/2020		34.1000		
Calcium	mg/L	BW-5S	02/08/2021		32.0000		
Calcium	mg/L	BW-5S	08/20/2021		18.9000		
Calcium	mg/L	BW-5S	02/10/2022		31.5000		
Calcium	mg/L	BW-5S	08/16/2022		31.8000		
Calcium	mg/L	BW-5S	02/10/2023		36.8000		
Calcium	mg/L	BW-5S	08/17/2023		35.2000		
Calcium	mg/L	BW-5S	02/09/2024		23.2000		
Calcium	mg/L	BW-5S	08/21/2024		20.1000		
Calcium	mg/L	BW-5S	02/10/2025		28.8000		
Chloride	mg/L	BW-1S	10/05/2011		13.0000		
Chloride	mg/L	BW-1S	02/14/2012		8.7000		
Chloride	mg/L	BW-1S	08/15/2012		9.1000		
Chloride	mg/L	BW-1S	02/14/2013		7.3000		
Chloride	mg/L	BW-1S	08/21/2013		6.4000		
Chloride	mg/L	BW-1S	08/27/2014		13.0000		
Chloride	mg/L	BW-1S	02/13/2015		5.0000		
Chloride	mg/L	BW-1S	08/17/2015		6.1000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	BW-1S	12/17/2015	ND	4.7000	3.0000	**
Chloride	mg/L	BW-1S	02/15/2016		15.0000		
Chloride	mg/L	BW-1S	05/05/2016		4.9000		
Chloride	mg/L	BW-1S	08/04/2016		5.1000		
Chloride	mg/L	BW-1S	11/02/2016		4.8000		
Chloride	mg/L	BW-1S	02/13/2017		6.8000		
Chloride	mg/L	BW-1S	05/03/2017		4.7000		
Chloride	mg/L	BW-1S	08/16/2017		8.7000		
Chloride	mg/L	BW-1S	11/07/2017		8.2000		
Chloride	mg/L	BW-1S	02/08/2018		6.2000		
Chloride	mg/L	BW-1S	08/23/2018		7.1000		
Chloride	mg/L	BW-1S	02/08/2019		4.0000		
Chloride	mg/L	BW-1S	08/27/2019		4.7000		
Chloride	mg/L	BW-1S	02/11/2020		4.4000		
Chloride	mg/L	BW-1S	08/24/2020		6.1900		
Chloride	mg/L	BW-1S	02/08/2021		17.1000		
Chloride	mg/L	BW-1S	08/20/2021		14.2000		
Chloride	mg/L	BW-1S	02/10/2022		15.1000		
Chloride	mg/L	BW-1S	08/16/2022		13.7000		
Chloride	mg/L	BW-1S	02/10/2023		22.5000		
Chloride	mg/L	BW-1S	08/17/2023		15.1000		
Chloride	mg/L	BW-1S	02/09/2024		16.7000		
Chloride	mg/L	BW-1S	08/21/2024		37.9000		
Chloride	mg/L	BW-1S	02/10/2025		12.8000		
Chloride	mg/L	BW-2S	10/05/2011		10.0000		
Chloride	mg/L	BW-2S	02/14/2012		10.0000		
Chloride	mg/L	BW-2S	08/15/2012		14.0000		
Chloride	mg/L	BW-2S	02/14/2013		9.6000		
Chloride	mg/L	BW-2S	08/21/2013		9.1000		
Chloride	mg/L	BW-2S	08/27/2014		12.0000		
Chloride	mg/L	BW-2S	02/13/2015		11.0000		
Chloride	mg/L	BW-2S	08/17/2015		9.7000		
Chloride	mg/L	BW-2S	12/17/2015		12.0000		
Chloride	mg/L	BW-2S	02/15/2016		8.4000		
Chloride	mg/L	BW-2S	05/05/2016		9.4000		
Chloride	mg/L	BW-2S	08/04/2016		8.1000		
Chloride	mg/L	BW-2S	11/02/2016		12.0000		
Chloride	mg/L	BW-2S	02/13/2017		13.0000		
Chloride	mg/L	BW-2S	05/03/2017		13.0000		
Chloride	mg/L	BW-2S	08/16/2017		8.8000		
Chloride	mg/L	BW-2S	11/07/2017		16.0000		
Chloride	mg/L	BW-2S	02/08/2018		8.9000		
Chloride	mg/L	BW-2S	08/23/2018		7.3000		
Chloride	mg/L	BW-2S	02/08/2019		10.0000		
Chloride	mg/L	BW-2S	08/27/2019		5.6000		
Chloride	mg/L	BW-2S	02/11/2020		13.0000		
Chloride	mg/L	BW-2S	08/24/2020		11.4000		
Chloride	mg/L	BW-2S	02/08/2021		14.4000		
Chloride	mg/L	BW-2S	08/20/2021		8.5700		
Chloride	mg/L	BW-2S	02/10/2022		14.8000		
Chloride	mg/L	BW-2S	08/16/2022		18.2000		
Chloride	mg/L	BW-2S	02/10/2023		15.3000		
Chloride	mg/L	BW-2S	08/17/2023		16.6000		
Chloride	mg/L	BW-2S	02/09/2024		15.8000		
Chloride	mg/L	BW-2S	08/21/2024		16.0000		
Chloride	mg/L	BW-2S	02/10/2025		15.5000		
Chloride	mg/L	BW-3SR	02/15/2012		19.0000		
Chloride	mg/L	BW-3SR	08/16/2012		9.9000		
Chloride	mg/L	BW-3SR	02/15/2013		15.0000		
Chloride	mg/L	BW-3SR	08/21/2013		13.0000		
Chloride	mg/L	BW-3SR	08/27/2014		25.0000		
Chloride	mg/L	BW-3SR	02/13/2015		22.0000		
Chloride	mg/L	BW-3SR	08/17/2015		14.0000		
Chloride	mg/L	BW-3SR	12/17/2015		14.0000		
Chloride	mg/L	BW-3SR	02/16/2016		12.0000		
Chloride	mg/L	BW-3SR	05/05/2016		27.0000		
Chloride	mg/L	BW-3SR	08/04/2016		16.0000		
Chloride	mg/L	BW-3SR	11/03/2016		16.0000		
Chloride	mg/L	BW-3SR	02/13/2017		30.0000		
Chloride	mg/L	BW-3SR	05/03/2017		19.0000		
Chloride	mg/L	BW-3SR	08/16/2017		19.0000		
Chloride	mg/L	BW-3SR	11/07/2017		24.0000		
Chloride	mg/L	BW-3SR	02/08/2018		26.0000		
Chloride	mg/L	BW-3SR	08/23/2018		31.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	BW-3SR	02/08/2019		40.0000		
Chloride	mg/L	BW-3SR	08/27/2019		86.0000		
Chloride	mg/L	BW-3SR	02/11/2020		35.0000		
Chloride	mg/L	BW-3SR	08/24/2020		23.6000		
Chloride	mg/L	BW-3SR	02/08/2021		22.2000		
Chloride	mg/L	BW-3SR	08/20/2021		107.0000		*
Chloride	mg/L	BW-3SR	02/10/2022		34.6000		
Chloride	mg/L	BW-3SR	08/16/2022		18.9000		
Chloride	mg/L	BW-3SR	02/10/2023		41.4000		
Chloride	mg/L	BW-3SR	08/17/2023		15.4000		
Chloride	mg/L	BW-3SR	02/09/2024		15.3000		
Chloride	mg/L	BW-3SR	08/21/2024		53.4000		
Chloride	mg/L	BW-3SR	02/10/2025		34.4000		
Chloride	mg/L	BW-4S	10/04/2011		7.8000		
Chloride	mg/L	BW-4S	02/13/2012		7.1000		
Chloride	mg/L	BW-4S	08/15/2012		7.4000		
Chloride	mg/L	BW-4S	02/15/2013		9.1000		
Chloride	mg/L	BW-4S	08/21/2013		9.0000		
Chloride	mg/L	BW-4S	08/27/2014		8.1000		
Chloride	mg/L	BW-4S	02/13/2015		11.0000		
Chloride	mg/L	BW-4S	08/17/2015		11.0000		
Chloride	mg/L	BW-4S	12/17/2015		12.0000		
Chloride	mg/L	BW-4S	02/15/2016		12.0000		
Chloride	mg/L	BW-4S	05/05/2016		12.0000		
Chloride	mg/L	BW-4S	08/04/2016		13.0000		
Chloride	mg/L	BW-4S	11/02/2016		13.0000		
Chloride	mg/L	BW-4S	02/13/2017		12.0000		
Chloride	mg/L	BW-4S	05/03/2017		11.0000		
Chloride	mg/L	BW-4S	08/16/2017		10.0000		
Chloride	mg/L	BW-4S	11/07/2017		13.0000		
Chloride	mg/L	BW-4S	02/08/2018		11.0000		
Chloride	mg/L	BW-4S	08/23/2018		10.0000		
Chloride	mg/L	BW-4S	02/08/2019		8.8000		
Chloride	mg/L	BW-4S	08/27/2019		10.0000		
Chloride	mg/L	BW-4S	02/11/2020		9.9000		
Chloride	mg/L	BW-4S	08/24/2020		5.9700		
Chloride	mg/L	BW-4S	02/08/2021		6.1700		
Chloride	mg/L	BW-4S	08/20/2021		9.5900		
Chloride	mg/L	BW-4S	02/10/2022		10.3000		
Chloride	mg/L	BW-4S	08/16/2022		11.2000		
Chloride	mg/L	BW-4S	02/10/2023		11.2000		
Chloride	mg/L	BW-4S	08/17/2023		9.9700		
Chloride	mg/L	BW-4S	02/09/2024		9.8500		
Chloride	mg/L	BW-4S	08/21/2024		10.3000		
Chloride	mg/L	BW-4S	02/10/2025		9.9700		
Chloride	mg/L	BW-5S	10/04/2011		11.0000		
Chloride	mg/L	BW-5S	02/15/2012		11.0000		
Chloride	mg/L	BW-5S	08/15/2012		5.4000		
Chloride	mg/L	BW-5S	02/15/2013		16.0000		
Chloride	mg/L	BW-5S	08/21/2013		9.1000		
Chloride	mg/L	BW-5S	08/27/2014		9.8000		
Chloride	mg/L	BW-5S	02/13/2015		5.6000		
Chloride	mg/L	BW-5S	08/17/2015		3.1000		
Chloride	mg/L	BW-5S	02/15/2016		6.5000		
Chloride	mg/L	BW-5S	05/05/2016		3.3000		
Chloride	mg/L	BW-5S	08/04/2016	ND	3.0000		
Chloride	mg/L	BW-5S	11/02/2016		14.0000		
Chloride	mg/L	BW-5S	02/13/2017		13.0000		
Chloride	mg/L	BW-5S	05/03/2017		13.0000		
Chloride	mg/L	BW-5S	08/16/2017	ND	3.0000		
Chloride	mg/L	BW-5S	11/07/2017		12.0000		
Chloride	mg/L	BW-5S	02/08/2018		9.1000		
Chloride	mg/L	BW-5S	08/23/2018	ND	3.0000		
Chloride	mg/L	BW-5S	02/08/2019		7.5000		
Chloride	mg/L	BW-5S	08/27/2019		3.4000		
Chloride	mg/L	BW-5S	02/11/2020		7.5000		
Chloride	mg/L	BW-5S	08/24/2020		7.8700		
Chloride	mg/L	BW-5S	02/08/2021		7.0300		
Chloride	mg/L	BW-5S	08/20/2021	ND	3.0000		
Chloride	mg/L	BW-5S	02/10/2022		9.1400		
Chloride	mg/L	BW-5S	08/16/2022		8.7100		
Chloride	mg/L	BW-5S	02/10/2023		10.6000		
Chloride	mg/L	BW-5S	08/17/2023		12.1000		
Chloride	mg/L	BW-5S	02/09/2024		8.7500		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	BW-5S	08/21/2024	ND	3.0000		
Chloride	mg/L	BW-5S	02/10/2025		7.8600		
Chromium	ug/L	BW-1S	10/05/2011	ND	10.0000		
Chromium	ug/L	BW-1S	02/14/2012	ND	10.0000		
Chromium	ug/L	BW-1S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-1S	02/14/2013	ND	10.0000		
Chromium	ug/L	BW-1S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-1S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-1S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-1S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-1S	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-1S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-1S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-1S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-1S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-1S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-1S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-1S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-1S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-1S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-1S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-1S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-1S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-1S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-1S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-1S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-1S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-1S	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-1S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-1S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-1S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-1S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-1S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-1S	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-2S	10/05/2011	ND	10.0000		
Chromium	ug/L	BW-2S	02/14/2012	ND	10.0000		
Chromium	ug/L	BW-2S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-2S	02/14/2013	ND	10.0000		
Chromium	ug/L	BW-2S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-2S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-2S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-2S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-2S	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-2S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-2S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-2S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-2S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-2S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-2S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-2S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-2S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-2S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-2S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-2S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-2S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-2S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-2S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-2S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-2S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-2S	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-2S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-2S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-2S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-2S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-2S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-2S	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-3SR	02/15/2012	ND	10.0000		
Chromium	ug/L	BW-3SR	08/16/2012	ND	10.0000		
Chromium	ug/L	BW-3SR	02/15/2013	ND	10.0000		
Chromium	ug/L	BW-3SR	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-3SR	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-3SR	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-3SR	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-3SR	12/17/2015	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	BW-3SR	02/16/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	11/03/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-3SR	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-3SR	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-3SR	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-3SR	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-3SR	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-3SR	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-3SR	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-3SR	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-3SR	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-3SR	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-3SR	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-3SR	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-3SR	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-3SR	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-4S	10/04/2011	ND	10.0000		
Chromium	ug/L	BW-4S	02/13/2012	ND	10.0000		
Chromium	ug/L	BW-4S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-4S	02/15/2013	ND	10.0000		
Chromium	ug/L	BW-4S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-4S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-4S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-4S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-4S	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-4S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-4S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-4S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-4S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-4S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-4S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-4S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-4S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-4S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-4S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-4S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-4S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-4S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-4S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-4S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-4S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-4S	02/10/2022		10.5000		
Chromium	ug/L	BW-4S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-4S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-4S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-4S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-4S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-4S	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-5S	10/04/2011	ND	10.0000		
Chromium	ug/L	BW-5S	02/15/2012	ND	10.0000		
Chromium	ug/L	BW-5S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-5S	02/15/2013	ND	10.0000		
Chromium	ug/L	BW-5S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-5S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-5S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-5S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-5S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-5S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-5S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-5S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-5S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-5S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-5S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-5S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-5S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-5S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-5S	02/08/2019	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	BW-5S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-5S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-5S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-5S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-5S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-5S	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-5S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-5S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-5S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-5S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-5S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-5S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-1S	10/05/2011	ND	10.0000		
Cobalt	ug/L	BW-1S	02/14/2012	ND	10.0000		
Cobalt	ug/L	BW-1S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-1S	02/14/2013	ND	10.0000		
Cobalt	ug/L	BW-1S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-1S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-1S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-1S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-1S	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-1S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-1S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-1S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-1S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-1S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-1S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-1S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-1S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-1S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-1S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-1S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-1S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-1S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-1S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-1S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-2S	10/05/2011	ND	10.0000		
Cobalt	ug/L	BW-2S	02/14/2012	ND	10.0000		
Cobalt	ug/L	BW-2S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-2S	02/14/2013	ND	10.0000		
Cobalt	ug/L	BW-2S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-2S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-2S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-2S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-2S	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-2S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-2S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-2S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-2S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-2S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-2S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-2S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-2S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-2S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-2S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-2S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-2S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-2S	02/09/2024	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	BW-2S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-2S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/15/2012	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/16/2012	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/15/2013	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-3SR	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/16/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	11/03/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-4S	10/04/2011	ND	10.0000		
Cobalt	ug/L	BW-4S	02/13/2012	ND	10.0000		
Cobalt	ug/L	BW-4S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-4S	02/15/2013	ND	10.0000		
Cobalt	ug/L	BW-4S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-4S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-4S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-4S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-4S	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-4S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-4S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-4S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-4S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-4S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-4S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-4S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-4S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-4S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-4S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-4S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-4S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-4S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-4S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-4S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-5S	10/04/2011	ND	10.0000		
Cobalt	ug/L	BW-5S	02/15/2012	ND	10.0000		
Cobalt	ug/L	BW-5S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-5S	02/15/2013	ND	10.0000		
Cobalt	ug/L	BW-5S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-5S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-5S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-5S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-5S	02/15/2016	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	BW-5S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-5S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-5S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-5S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-5S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-5S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-5S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-5S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-5S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-5S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-5S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-5S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-5S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-5S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-5S	02/10/2025	ND	10.0000		
Fluoride	mg/L	BW-1S	12/17/2015	ND	0.5000		*
Fluoride	mg/L	BW-1S	02/15/2016	ND	2.5000		
Fluoride	mg/L	BW-1S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-1S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-1S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-1S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-1S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-1S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-1S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-1S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-1S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-1S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-1S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-1S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-1S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-1S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-1S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-1S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-1S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-1S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-2S	12/17/2015	ND	0.5000		
Fluoride	mg/L	BW-2S	02/15/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-2S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-2S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-2S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-2S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-2S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-2S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-2S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-2S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-2S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-2S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-2S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-2S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-2S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-2S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-3SR	12/17/2015	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/16/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/04/2016	ND	0.5000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Fluoride	mg/L	BW-3SR	11/03/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-3SR	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/16/2017		0.5900		
Fluoride	mg/L	BW-3SR	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-4S	12/17/2015	ND	0.5000		
Fluoride	mg/L	BW-4S	02/15/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-4S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-4S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-4S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-4S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-4S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-4S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-4S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-4S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-4S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-4S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-4S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-4S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-4S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-4S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-5S	02/15/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-5S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-5S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-5S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-5S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-5S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-5S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-5S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-5S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-5S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-5S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-5S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-5S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-5S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-5S	02/10/2025	ND	0.5000		
Lead	ug/L	BW-1S	10/05/2011	ND	9.0000		
Lead	ug/L	BW-1S	02/14/2012	ND	9.0000		
Lead	ug/L	BW-1S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-1S	02/14/2013	ND	9.0000		
Lead	ug/L	BW-1S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-1S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-1S	02/13/2015	ND	9.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	BW-1S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-1S	12/17/2015	ND	9.0000		
Lead	ug/L	BW-1S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-1S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-1S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-1S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-1S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-1S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-1S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-1S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-1S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-1S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-1S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-1S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-1S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-1S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-1S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-1S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-1S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-1S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-1S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-1S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-1S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-1S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-1S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-2S	10/05/2011	ND	9.0000		
Lead	ug/L	BW-2S	02/14/2012	ND	9.0000		
Lead	ug/L	BW-2S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-2S	02/14/2013	ND	9.0000		
Lead	ug/L	BW-2S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-2S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-2S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-2S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-2S	12/17/2015	ND	9.0000		
Lead	ug/L	BW-2S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-2S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-2S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-2S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-2S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-2S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-2S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-2S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-2S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-2S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-2S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-2S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-2S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-2S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-2S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-2S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-2S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-2S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-2S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-2S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-2S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-2S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-2S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-3SR	02/15/2012	ND	9.0000		
Lead	ug/L	BW-3SR	08/16/2012	ND	9.0000		
Lead	ug/L	BW-3SR	02/15/2013	ND	9.0000		
Lead	ug/L	BW-3SR	08/21/2013	ND	9.0000		
Lead	ug/L	BW-3SR	08/27/2014	ND	9.0000		
Lead	ug/L	BW-3SR	02/13/2015	ND	9.0000		
Lead	ug/L	BW-3SR	08/17/2015	ND	9.0000		
Lead	ug/L	BW-3SR	12/17/2015	ND	9.0000		
Lead	ug/L	BW-3SR	02/16/2016	ND	9.0000		
Lead	ug/L	BW-3SR	05/05/2016	ND	9.0000		
Lead	ug/L	BW-3SR	08/04/2016	ND	9.0000		
Lead	ug/L	BW-3SR	11/03/2016	ND	9.0000		
Lead	ug/L	BW-3SR	02/13/2017	ND	9.0000		
Lead	ug/L	BW-3SR	05/03/2017	ND	9.0000		
Lead	ug/L	BW-3SR	08/16/2017	ND	9.0000		
Lead	ug/L	BW-3SR	11/07/2017	ND	9.0000		
Lead	ug/L	BW-3SR	02/08/2018	ND	9.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	BW-3SR	08/23/2018	ND	9.0000		
Lead	ug/L	BW-3SR	02/08/2019	ND	9.0000		
Lead	ug/L	BW-3SR	08/27/2019	ND	9.0000		
Lead	ug/L	BW-3SR	02/11/2020	ND	9.0000		
Lead	ug/L	BW-3SR	08/24/2020	ND	9.0000		
Lead	ug/L	BW-3SR	02/08/2021	ND	9.0000		
Lead	ug/L	BW-3SR	08/20/2021	ND	9.0000		
Lead	ug/L	BW-3SR	02/10/2022	ND	9.0000		
Lead	ug/L	BW-3SR	08/16/2022	ND	9.0000		
Lead	ug/L	BW-3SR	02/10/2023	ND	9.0000		
Lead	ug/L	BW-3SR	08/17/2023	ND	9.0000		
Lead	ug/L	BW-3SR	02/09/2024	ND	9.0000		
Lead	ug/L	BW-3SR	08/21/2024	ND	9.0000		
Lead	ug/L	BW-3SR	02/10/2025	ND	9.0000		
Lead	ug/L	BW-4S	10/04/2011	ND	9.0000		
Lead	ug/L	BW-4S	02/13/2012	ND	9.0000		
Lead	ug/L	BW-4S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-4S	02/15/2013	ND	9.0000		
Lead	ug/L	BW-4S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-4S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-4S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-4S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-4S	12/17/2015	ND	9.0000		
Lead	ug/L	BW-4S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-4S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-4S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-4S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-4S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-4S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-4S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-4S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-4S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-4S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-4S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-4S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-4S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-4S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-4S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-4S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-4S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-4S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-4S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-4S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-4S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-4S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-4S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-5S	10/04/2011	ND	9.0000		
Lead	ug/L	BW-5S	02/15/2012	ND	9.0000		
Lead	ug/L	BW-5S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-5S	02/15/2013	ND	9.0000		
Lead	ug/L	BW-5S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-5S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-5S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-5S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-5S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-5S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-5S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-5S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-5S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-5S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-5S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-5S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-5S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-5S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-5S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-5S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-5S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-5S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-5S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-5S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-5S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-5S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-5S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-5S	08/17/2023	ND	9.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	BW-5S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-5S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-5S	02/10/2025	ND	9.0000		
Lithium	ug/L	BW-1S	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-1S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-1S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-1S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-1S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-1S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-1S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-1S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-1S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-1S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-1S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-1S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-1S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-1S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-1S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-1S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-1S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-1S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-1S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-1S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-1S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-1S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-1S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-1S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-2S	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-2S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-2S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-2S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-2S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-2S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-2S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-2S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-2S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-2S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-2S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-2S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-2S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-2S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-2S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-2S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-2S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-2S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-2S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-2S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-2S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-2S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-2S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-2S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-3SR	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-3SR	02/16/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	11/03/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-3SR	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-3SR	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-3SR	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-3SR	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-3SR	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-3SR	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-3SR	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-3SR	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-3SR	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-3SR	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-3SR	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-3SR	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-3SR	08/21/2024	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium	ug/L	BW-3SR	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-4S	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-4S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-4S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-4S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-4S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-4S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-4S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-4S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-4S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-4S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-4S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-4S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-4S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-4S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-4S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-4S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-4S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-4S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-4S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-4S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-4S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-4S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-4S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-4S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-5S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-5S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-5S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-5S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-5S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-5S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-5S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-5S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-5S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-5S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-5S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-5S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-5S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-5S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-5S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-5S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-5S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-5S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-5S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-5S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-5S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-5S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-5S	02/10/2025	ND	20.0000		
Mercury	ug/L	BW-1S	10/05/2011	ND	0.2000		
Mercury	ug/L	BW-1S	02/14/2012	ND	0.2000		
Mercury	ug/L	BW-1S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-1S	02/14/2013	ND	0.2000		
Mercury	ug/L	BW-1S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-1S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-1S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-1S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-1S	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-1S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-1S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-1S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-1S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-1S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-1S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-1S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-1S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-1S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-1S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-1S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-1S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-1S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-1S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-1S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-1S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-1S	02/10/2022	ND	0.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	BW-1S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-1S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-1S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-1S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-1S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-1S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-2S	10/05/2011	ND	0.2000		
Mercury	ug/L	BW-2S	02/14/2012	ND	0.2000		
Mercury	ug/L	BW-2S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-2S	02/14/2013	ND	0.2000		
Mercury	ug/L	BW-2S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-2S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-2S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-2S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-2S	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-2S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-2S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-2S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-2S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-2S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-2S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-2S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-2S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-2S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-2S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-2S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-2S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-2S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-2S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-2S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-2S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-2S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-2S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-2S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-2S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-2S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-2S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-2S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-3SR	02/15/2012	ND	0.2000		
Mercury	ug/L	BW-3SR	08/16/2012	ND	0.2000		
Mercury	ug/L	BW-3SR	02/15/2013	ND	0.2000		
Mercury	ug/L	BW-3SR	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-3SR	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-3SR	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-3SR	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-3SR	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-3SR	02/16/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	11/03/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-3SR	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-3SR	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-3SR	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-3SR	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-3SR	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-3SR	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-3SR	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-3SR	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-3SR	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-3SR	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-3SR	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-3SR	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-3SR	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-3SR	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-4S	10/04/2011	ND	0.2000		
Mercury	ug/L	BW-4S	02/13/2012	ND	0.2000		
Mercury	ug/L	BW-4S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-4S	02/15/2013	ND	0.2000		
Mercury	ug/L	BW-4S	08/21/2013	ND	0.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	BW-4S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-4S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-4S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-4S	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-4S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-4S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-4S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-4S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-4S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-4S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-4S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-4S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-4S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-4S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-4S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-4S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-4S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-4S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-4S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-4S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-4S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-4S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-4S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-4S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-4S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-4S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-4S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-5S	10/04/2011	ND	0.2000		
Mercury	ug/L	BW-5S	02/15/2012	ND	0.2000		
Mercury	ug/L	BW-5S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-5S	02/15/2013	ND	0.2000		
Mercury	ug/L	BW-5S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-5S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-5S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-5S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-5S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-5S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-5S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-5S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-5S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-5S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-5S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-5S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-5S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-5S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-5S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-5S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-5S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-5S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-5S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-5S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-5S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-5S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-5S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-5S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-5S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-5S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-5S	02/10/2025	ND	0.2000		
Molybdenum	ug/L	BW-1S	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/08/2021	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum	ug/L	BW-1S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-2S	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-3SR	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/16/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	11/03/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-4S	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/10/2022	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum	ug/L	BW-4S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/10/2025	ND	20.0000		
pH (Field)	S.U.	BW-1S	10/05/2011		4.6300		
pH (Field)	S.U.	BW-1S	02/14/2012		4.0100		
pH (Field)	S.U.	BW-1S	08/15/2012		4.5400		
pH (Field)	S.U.	BW-1S	02/14/2013		4.1600		
pH (Field)	S.U.	BW-1S	08/21/2013		4.2400		
pH (Field)	S.U.	BW-1S	08/27/2014		4.6600		
pH (Field)	S.U.	BW-1S	02/13/2015		4.6100		
pH (Field)	S.U.	BW-1S	08/17/2015		4.7200		
pH (Field)	S.U.	BW-1S	12/17/2015		4.6700		
pH (Field)	S.U.	BW-1S	02/15/2016		4.8000		
pH (Field)	S.U.	BW-1S	02/25/2016		4.7300		
pH (Field)	S.U.	BW-1S	05/05/2016		4.3200		
pH (Field)	S.U.	BW-1S	08/04/2016		5.1100		
pH (Field)	S.U.	BW-1S	11/02/2016		4.6000		
pH (Field)	S.U.	BW-1S	02/13/2017		4.6500		
pH (Field)	S.U.	BW-1S	05/03/2017		4.4400		
pH (Field)	S.U.	BW-1S	08/16/2017		4.0300		
pH (Field)	S.U.	BW-1S	11/07/2017		4.1300		
pH (Field)	S.U.	BW-1S	02/08/2018		4.4200		
pH (Field)	S.U.	BW-1S	08/23/2018		4.5200		
pH (Field)	S.U.	BW-1S	02/08/2019		4.3900		
pH (Field)	S.U.	BW-1S	08/27/2019		4.5200		
pH (Field)	S.U.	BW-1S	02/11/2020		4.3300		
pH (Field)	S.U.	BW-1S	08/24/2020		4.3700		
pH (Field)	S.U.	BW-1S	02/08/2021		5.5600		
pH (Field)	S.U.	BW-1S	08/20/2021		5.5600		
pH (Field)	S.U.	BW-1S	02/10/2022		5.6500		
pH (Field)	S.U.	BW-1S	08/16/2022		5.6500		
pH (Field)	S.U.	BW-1S	02/10/2023		5.6400		
pH (Field)	S.U.	BW-1S	08/17/2023		5.5800		
pH (Field)	S.U.	BW-1S	02/09/2024		5.7400		
pH (Field)	S.U.	BW-1S	08/21/2024		5.4300		
pH (Field)	S.U.	BW-1S	02/10/2025		5.6800		
pH (Field)	S.U.	BW-2S	10/05/2011		5.4500		
pH (Field)	S.U.	BW-2S	02/14/2012		5.0100		
pH (Field)	S.U.	BW-2S	08/15/2012		5.8400		
pH (Field)	S.U.	BW-2S	02/14/2013		4.8000		
pH (Field)	S.U.	BW-2S	08/21/2013		5.5600		
pH (Field)	S.U.	BW-2S	08/27/2014		5.4700		
pH (Field)	S.U.	BW-2S	02/13/2015		5.5200		
pH (Field)	S.U.	BW-2S	08/17/2015		6.1100		
pH (Field)	S.U.	BW-2S	12/17/2015		5.5400		
pH (Field)	S.U.	BW-2S	02/15/2016		5.8700		
pH (Field)	S.U.	BW-2S	02/25/2016		5.9400		
pH (Field)	S.U.	BW-2S	05/05/2016		5.5100		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result	Adjusted
pH (Field)	S.U.	BW-2S	08/04/2016	5.6100	
pH (Field)	S.U.	BW-2S	11/02/2016	5.5700	
pH (Field)	S.U.	BW-2S	02/13/2017	5.2100	
pH (Field)	S.U.	BW-2S	05/03/2017	5.0300	
pH (Field)	S.U.	BW-2S	08/16/2017	5.3500	
pH (Field)	S.U.	BW-2S	11/07/2017	5.4100	
pH (Field)	S.U.	BW-2S	02/08/2018	5.6300	
pH (Field)	S.U.	BW-2S	08/23/2018	5.7800	
pH (Field)	S.U.	BW-2S	02/08/2019	5.6200	
pH (Field)	S.U.	BW-2S	08/27/2019	5.8800	
pH (Field)	S.U.	BW-2S	02/11/2020	5.7100	
pH (Field)	S.U.	BW-2S	08/24/2020	4.5700	
pH (Field)	S.U.	BW-2S	02/08/2021	6.0900	
pH (Field)	S.U.	BW-2S	08/20/2021	6.2000	
pH (Field)	S.U.	BW-2S	02/10/2022	6.2900	
pH (Field)	S.U.	BW-2S	08/16/2022	6.2100	
pH (Field)	S.U.	BW-2S	02/10/2023	6.2000	
pH (Field)	S.U.	BW-2S	08/17/2023	5.8300	
pH (Field)	S.U.	BW-2S	02/09/2024	5.6800	
pH (Field)	S.U.	BW-2S	08/21/2024	5.2400	
pH (Field)	S.U.	BW-2S	02/10/2025	5.3700	
pH (Field)	S.U.	BW-3SR	02/15/2012	5.0300	
pH (Field)	S.U.	BW-3SR	08/16/2012	5.4800	
pH (Field)	S.U.	BW-3SR	02/15/2013	5.3000	
pH (Field)	S.U.	BW-3SR	08/21/2013	5.3700	
pH (Field)	S.U.	BW-3SR	08/27/2014	5.4800	
pH (Field)	S.U.	BW-3SR	02/13/2015	5.6200	
pH (Field)	S.U.	BW-3SR	08/17/2015	5.7900	
pH (Field)	S.U.	BW-3SR	12/17/2015	5.4400	
pH (Field)	S.U.	BW-3SR	02/16/2016	4.9200	
pH (Field)	S.U.	BW-3SR	02/25/2016	5.7000	
pH (Field)	S.U.	BW-3SR	05/05/2016	5.3700	
pH (Field)	S.U.	BW-3SR	08/04/2016	5.6700	
pH (Field)	S.U.	BW-3SR	11/03/2016	5.6900	
pH (Field)	S.U.	BW-3SR	02/13/2017	5.5700	
pH (Field)	S.U.	BW-3SR	05/03/2017	5.5100	
pH (Field)	S.U.	BW-3SR	08/16/2017	5.3300	
pH (Field)	S.U.	BW-3SR	11/07/2017	5.2300	
pH (Field)	S.U.	BW-3SR	02/08/2018	5.6800	
pH (Field)	S.U.	BW-3SR	08/23/2018	5.6100	
pH (Field)	S.U.	BW-3SR	02/08/2019	4.2100	
pH (Field)	S.U.	BW-3SR	08/27/2019	5.6500	
pH (Field)	S.U.	BW-3SR	02/11/2020	5.5700	
pH (Field)	S.U.	BW-3SR	08/24/2020	5.6200	
pH (Field)	S.U.	BW-3SR	02/08/2021	5.5800	
pH (Field)	S.U.	BW-3SR	08/20/2021	5.5300	
pH (Field)	S.U.	BW-3SR	02/10/2022	5.6600	
pH (Field)	S.U.	BW-3SR	08/16/2022	5.5900	
pH (Field)	S.U.	BW-3SR	02/10/2023	5.5800	
pH (Field)	S.U.	BW-3SR	08/17/2023	5.6300	
pH (Field)	S.U.	BW-3SR	02/09/2024	5.5000	
pH (Field)	S.U.	BW-3SR	08/21/2024	5.5200	
pH (Field)	S.U.	BW-3SR	02/10/2025	5.5800	
pH (Field)	S.U.	BW-4S	10/04/2011	4.6800	
pH (Field)	S.U.	BW-4S	02/13/2012	4.6300	
pH (Field)	S.U.	BW-4S	08/15/2012	4.5200	
pH (Field)	S.U.	BW-4S	02/15/2013	4.2700	
pH (Field)	S.U.	BW-4S	08/21/2013	4.1200	
pH (Field)	S.U.	BW-4S	08/27/2014	4.3800	
pH (Field)	S.U.	BW-4S	02/13/2015	4.4000	
pH (Field)	S.U.	BW-4S	08/17/2015	4.3900	
pH (Field)	S.U.	BW-4S	12/17/2015	3.8800	
pH (Field)	S.U.	BW-4S	02/15/2016	4.3600	
pH (Field)	S.U.	BW-4S	02/24/2016	4.2700	
pH (Field)	S.U.	BW-4S	05/05/2016	4.0600	
pH (Field)	S.U.	BW-4S	08/04/2016	4.2900	
pH (Field)	S.U.	BW-4S	11/02/2016	4.3200	
pH (Field)	S.U.	BW-4S	02/13/2017	4.4600	
pH (Field)	S.U.	BW-4S	05/03/2017	4.1800	
pH (Field)	S.U.	BW-4S	08/16/2017	4.0000	
pH (Field)	S.U.	BW-4S	11/07/2017	3.8900	
pH (Field)	S.U.	BW-4S	02/08/2018	4.0000	
pH (Field)	S.U.	BW-4S	08/23/2018	4.0000	
pH (Field)	S.U.	BW-4S	02/08/2019	4.1100	

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
pH (Field)	S.U.	BW-4S	08/27/2019		4.5500		
pH (Field)	S.U.	BW-4S	02/11/2020		4.3000		
pH (Field)	S.U.	BW-4S	08/24/2020		4.2900		
pH (Field)	S.U.	BW-4S	02/08/2021		4.8700		
pH (Field)	S.U.	BW-4S	08/20/2021		4.8800		
pH (Field)	S.U.	BW-4S	02/10/2022		4.7600		
pH (Field)	S.U.	BW-4S	08/16/2022		4.7600		
pH (Field)	S.U.	BW-4S	02/10/2023		4.6600		
pH (Field)	S.U.	BW-4S	08/17/2023		4.8200		
pH (Field)	S.U.	BW-4S	02/09/2024		4.8800		
pH (Field)	S.U.	BW-4S	08/21/2024		4.9800		
pH (Field)	S.U.	BW-4S	02/10/2025		4.5900		
pH (Field)	S.U.	BW-5S	10/04/2011		4.9900		
pH (Field)	S.U.	BW-5S	02/15/2012		4.5700		
pH (Field)	S.U.	BW-5S	08/15/2012		5.6300		
pH (Field)	S.U.	BW-5S	02/15/2013		4.8200		
pH (Field)	S.U.	BW-5S	08/21/2013		5.2900		
pH (Field)	S.U.	BW-5S	08/27/2014		5.3700		
pH (Field)	S.U.	BW-5S	02/13/2015		5.6500		
pH (Field)	S.U.	BW-5S	08/17/2015		5.9300		
pH (Field)	S.U.	BW-5S	02/15/2016		5.7900		
pH (Field)	S.U.	BW-5S	02/24/2016		5.7100		
pH (Field)	S.U.	BW-5S	05/05/2016		5.4200		
pH (Field)	S.U.	BW-5S	08/04/2016		5.3900		
pH (Field)	S.U.	BW-5S	11/02/2016		5.3800		
pH (Field)	S.U.	BW-5S	02/13/2017		5.0900		
pH (Field)	S.U.	BW-5S	05/03/2017		4.9800		
pH (Field)	S.U.	BW-5S	08/16/2017		5.0700		
pH (Field)	S.U.	BW-5S	11/07/2017		5.1500		
pH (Field)	S.U.	BW-5S	02/08/2018		5.1500		
pH (Field)	S.U.	BW-5S	08/23/2018		5.5000		
pH (Field)	S.U.	BW-5S	02/08/2019		6.3600		
pH (Field)	S.U.	BW-5S	08/27/2019		5.9500		
pH (Field)	S.U.	BW-5S	02/11/2020		5.6700		
pH (Field)	S.U.	BW-5S	08/24/2020		5.6900		
pH (Field)	S.U.	BW-5S	02/08/2021		5.6000		
pH (Field)	S.U.	BW-5S	08/20/2021		5.6500		
pH (Field)	S.U.	BW-5S	02/10/2022		5.6300		
pH (Field)	S.U.	BW-5S	08/16/2022		5.6100		
pH (Field)	S.U.	BW-5S	02/10/2023		5.5600		
pH (Field)	S.U.	BW-5S	08/17/2023		5.5200		
pH (Field)	S.U.	BW-5S	02/09/2024		5.6300		
pH (Field)	S.U.	BW-5S	08/21/2024		5.4500		
pH (Field)	S.U.	BW-5S	02/10/2025		5.6200		
Residue, filterable (tds)	mg/L	BW-1S	10/05/2011		78.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/14/2012		110.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/15/2012		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/14/2013		110.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/21/2013		96.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/27/2014		140.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/13/2015		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/17/2015		100.0000		
Residue, filterable (tds)	mg/L	BW-1S	12/17/2015		100.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/15/2016		110.0000		
Residue, filterable (tds)	mg/L	BW-1S	05/05/2016		130.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/04/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	11/02/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/13/2017		110.0000		
Residue, filterable (tds)	mg/L	BW-1S	05/03/2017		130.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/16/2017		130.0000		
Residue, filterable (tds)	mg/L	BW-1S	11/07/2017		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/08/2018		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/23/2018		100.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/08/2019		110.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/27/2019		120.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/11/2020		110.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/24/2020		108.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/08/2021		108.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/20/2021		138.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/10/2022		124.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/16/2022		148.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/10/2023		266.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/17/2023		159.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/09/2024		246.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result	Adjusted
Residue, filterable (tds)	mg/L	BW-1S	08/21/2024	321.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/10/2025	172.0000	
Residue, filterable (tds)	mg/L	BW-2S	10/05/2011	60.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/14/2012	52.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/15/2012	280.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/14/2013	73.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/21/2013	170.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/27/2014	66.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/13/2015	89.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/17/2015	160.0000	
Residue, filterable (tds)	mg/L	BW-2S	12/17/2015	70.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/15/2016	140.0000	
Residue, filterable (tds)	mg/L	BW-2S	05/05/2016	120.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/04/2016	150.0000	
Residue, filterable (tds)	mg/L	BW-2S	11/02/2016	100.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/13/2017	61.0000	
Residue, filterable (tds)	mg/L	BW-2S	05/03/2017	62.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/16/2017	130.0000	
Residue, filterable (tds)	mg/L	BW-2S	11/07/2017	59.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/08/2018	74.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/23/2018	150.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/08/2019	81.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/27/2019	170.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/11/2020	74.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/24/2020	73.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/08/2021	106.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/20/2021	201.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/10/2022	122.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/16/2022	78.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/10/2023	132.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/17/2023	80.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/09/2024	75.0000	
Residue, filterable (tds)	mg/L	BW-2S	08/21/2024	84.0000	
Residue, filterable (tds)	mg/L	BW-2S	02/10/2025	68.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/15/2012	63.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/16/2012	250.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/15/2013	180.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/21/2013	180.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/27/2014	190.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/13/2015	170.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/17/2015	190.0000	
Residue, filterable (tds)	mg/L	BW-3SR	12/17/2015	160.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/16/2016	27.0000	
Residue, filterable (tds)	mg/L	BW-3SR	05/05/2016	160.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/04/2016	170.0000	
Residue, filterable (tds)	mg/L	BW-3SR	11/03/2016	190.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/13/2017	140.0000	
Residue, filterable (tds)	mg/L	BW-3SR	05/03/2017	500.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/16/2017	180.0000	
Residue, filterable (tds)	mg/L	BW-3SR	11/07/2017	190.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/08/2018	160.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/23/2018	220.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/08/2019	170.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/27/2019	510.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/11/2020	150.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/24/2020	97.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/08/2021	86.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/20/2021	591.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/10/2022	164.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/16/2022	88.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/10/2023	214.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/17/2023	97.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/09/2024	75.0000	
Residue, filterable (tds)	mg/L	BW-3SR	08/21/2024	326.0000	
Residue, filterable (tds)	mg/L	BW-3SR	02/10/2025	176.0000	
Residue, filterable (tds)	mg/L	BW-4S	10/04/2011	230.0000	
Residue, filterable (tds)	mg/L	BW-4S	02/13/2012	240.0000	
Residue, filterable (tds)	mg/L	BW-4S	08/15/2012	190.0000	
Residue, filterable (tds)	mg/L	BW-4S	02/15/2013	240.0000	
Residue, filterable (tds)	mg/L	BW-4S	08/21/2013	210.0000	
Residue, filterable (tds)	mg/L	BW-4S	08/27/2014	280.0000	
Residue, filterable (tds)	mg/L	BW-4S	02/13/2015	270.0000	
Residue, filterable (tds)	mg/L	BW-4S	08/17/2015	300.0000	
Residue, filterable (tds)	mg/L	BW-4S	12/17/2015	260.0000	

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Residue, filterable (tds)	mg/L	BW-4S	02/15/2016		250.0000		
Residue, filterable (tds)	mg/L	BW-4S	05/05/2016		230.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/04/2016		230.0000		
Residue, filterable (tds)	mg/L	BW-4S	11/02/2016		220.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/13/2017		200.0000		
Residue, filterable (tds)	mg/L	BW-4S	05/03/2017		270.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/16/2017		250.0000		
Residue, filterable (tds)	mg/L	BW-4S	11/07/2017		320.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/08/2018		350.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/23/2018		330.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/08/2019		130.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/27/2019		140.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/11/2020		120.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/24/2020		80.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/08/2021		151.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/20/2021		198.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/10/2022		161.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/16/2022		137.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/10/2023		156.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/17/2023		150.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/09/2024		128.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/21/2024		185.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/10/2025		201.0000		
Residue, filterable (tds)	mg/L	BW-5S	10/04/2011		140.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/15/2012		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/15/2012		220.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/15/2013		230.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/21/2013		180.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/27/2014		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/13/2015		140.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/17/2015		130.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/15/2016		180.0000		
Residue, filterable (tds)	mg/L	BW-5S	05/05/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/04/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	11/02/2016		280.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/13/2017		310.0000		
Residue, filterable (tds)	mg/L	BW-5S	05/03/2017		310.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/16/2017		110.0000		
Residue, filterable (tds)	mg/L	BW-5S	11/07/2017		350.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/08/2018		300.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/23/2018		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/08/2019		160.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/27/2019		180.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/11/2020		200.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/24/2020		205.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/08/2021		172.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/20/2021		99.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/10/2022		167.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/16/2022		185.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/10/2023		248.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/17/2023		285.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/09/2024		214.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/21/2024		112.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/10/2025		204.0000		
Selenium	ug/L	BW-1S	10/05/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/14/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/14/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-1S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-1S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-1S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-1S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-1S	02/08/2019	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium	ug/L	BW-1S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-1S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-1S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-1S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-1S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-1S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-1S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-1S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-1S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-1S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-1S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-1S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-2S	10/05/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/14/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/14/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-2S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-2S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-2S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-2S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-2S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-2S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-2S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-2S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-2S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-2S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-2S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-2S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-2S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-2S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-2S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-2S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-2S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-3SR	02/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/16/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/15/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/16/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	11/03/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-3SR	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-3SR	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-3SR	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-3SR	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-3SR	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-3SR	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-3SR	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-3SR	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-3SR	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-3SR	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-3SR	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-3SR	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-3SR	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-3SR	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-3SR	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-3SR	08/21/2024	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium	ug/L	BW-3SR	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-4S	10/04/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/13/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/15/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-4S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-4S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-4S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-4S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-4S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-4S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-4S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-4S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-4S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-4S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-4S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-4S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-4S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-4S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-4S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-4S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-4S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-5S	10/04/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/15/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-5S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-5S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-5S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-5S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-5S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-5S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-5S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-5S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-5S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-5S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-5S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-5S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-5S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-5S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-5S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-5S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-5S	02/10/2025	ND	20.0000		
Sulfate	mg/L	BW-1S	12/17/2015	ND	9.6000	5.0000	**
Sulfate	mg/L	BW-1S	02/15/2016		25.0000		
Sulfate	mg/L	BW-1S	05/05/2016		11.0000		
Sulfate	mg/L	BW-1S	08/04/2016		9.0000		
Sulfate	mg/L	BW-1S	11/02/2016		9.0000		
Sulfate	mg/L	BW-1S	02/13/2017		9.5000		
Sulfate	mg/L	BW-1S	05/03/2017		13.0000		
Sulfate	mg/L	BW-1S	08/16/2017		21.0000		
Sulfate	mg/L	BW-1S	11/07/2017		18.0000		
Sulfate	mg/L	BW-1S	02/08/2018		11.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	BW-1S	08/23/2018		24.0000		
Sulfate	mg/L	BW-1S	02/08/2019		16.0000		
Sulfate	mg/L	BW-1S	08/27/2019		9.1000		
Sulfate	mg/L	BW-1S	02/11/2020		9.6000		
Sulfate	mg/L	BW-1S	08/24/2020		13.2000		
Sulfate	mg/L	BW-1S	02/08/2021		15.0000		
Sulfate	mg/L	BW-1S	08/20/2021		13.4000		
Sulfate	mg/L	BW-1S	02/10/2022		9.0700		
Sulfate	mg/L	BW-1S	08/16/2022	ND	5.0000		
Sulfate	mg/L	BW-1S	02/10/2023		76.5000		*
Sulfate	mg/L	BW-1S	08/17/2023		17.8000		
Sulfate	mg/L	BW-1S	02/09/2024		67.1000		
Sulfate	mg/L	BW-1S	08/21/2024		78.5000		*
Sulfate	mg/L	BW-1S	02/10/2025		14.6000		
Sulfate	mg/L	BW-2S	12/17/2015	ND	5.0000		
Sulfate	mg/L	BW-2S	02/15/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	05/05/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	08/04/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	11/02/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	02/13/2017	ND	5.0000		
Sulfate	mg/L	BW-2S	05/03/2017	ND	5.0000		
Sulfate	mg/L	BW-2S	08/16/2017		9.2000		
Sulfate	mg/L	BW-2S	11/07/2017	ND	5.0000		
Sulfate	mg/L	BW-2S	02/08/2018	ND	5.0000		
Sulfate	mg/L	BW-2S	08/23/2018	ND	5.0000		
Sulfate	mg/L	BW-2S	02/08/2019	ND	5.0000		
Sulfate	mg/L	BW-2S	08/27/2019	ND	5.0000		
Sulfate	mg/L	BW-2S	02/11/2020	ND	5.0000		
Sulfate	mg/L	BW-2S	08/24/2020		6.2600		
Sulfate	mg/L	BW-2S	02/08/2021		2.3100		
Sulfate	mg/L	BW-2S	08/20/2021	ND	5.0000		
Sulfate	mg/L	BW-2S	02/10/2022	ND	5.0000		
Sulfate	mg/L	BW-2S	08/16/2022	ND	5.0000		
Sulfate	mg/L	BW-2S	02/10/2023	ND	5.0000		
Sulfate	mg/L	BW-2S	08/17/2023	ND	5.0000		
Sulfate	mg/L	BW-2S	02/09/2024		3.6000		
Sulfate	mg/L	BW-2S	08/21/2024	ND	5.0000		
Sulfate	mg/L	BW-2S	02/10/2025	ND	5.0000		
Sulfate	mg/L	BW-3SR	12/17/2015		25.0000		
Sulfate	mg/L	BW-3SR	02/16/2016	ND	5.0000		
Sulfate	mg/L	BW-3SR	05/05/2016		30.0000		
Sulfate	mg/L	BW-3SR	08/04/2016		21.0000		
Sulfate	mg/L	BW-3SR	11/03/2016		29.0000		
Sulfate	mg/L	BW-3SR	02/13/2017		17.0000		
Sulfate	mg/L	BW-3SR	05/03/2017		290.0000		
Sulfate	mg/L	BW-3SR	08/16/2017		23.0000		
Sulfate	mg/L	BW-3SR	11/07/2017		22.0000		
Sulfate	mg/L	BW-3SR	02/08/2018		16.0000		
Sulfate	mg/L	BW-3SR	08/23/2018		38.0000		
Sulfate	mg/L	BW-3SR	02/08/2019		28.0000		
Sulfate	mg/L	BW-3SR	08/27/2019		180.0000		
Sulfate	mg/L	BW-3SR	02/11/2020		21.0000		
Sulfate	mg/L	BW-3SR	08/24/2020		7.5400		
Sulfate	mg/L	BW-3SR	02/08/2021		6.5900		
Sulfate	mg/L	BW-3SR	08/20/2021		165.0000		
Sulfate	mg/L	BW-3SR	02/10/2022		26.7000		
Sulfate	mg/L	BW-3SR	08/16/2022		10.4000		
Sulfate	mg/L	BW-3SR	02/10/2023		40.4000		
Sulfate	mg/L	BW-3SR	08/17/2023		12.7000		
Sulfate	mg/L	BW-3SR	02/09/2024		8.7100		
Sulfate	mg/L	BW-3SR	08/21/2024		46.2000		
Sulfate	mg/L	BW-3SR	02/10/2025		32.7000		
Sulfate	mg/L	BW-4S	12/17/2015		170.0000		
Sulfate	mg/L	BW-4S	02/15/2016		160.0000		
Sulfate	mg/L	BW-4S	05/05/2016		150.0000		
Sulfate	mg/L	BW-4S	08/04/2016		140.0000		
Sulfate	mg/L	BW-4S	11/02/2016		160.0000		
Sulfate	mg/L	BW-4S	02/13/2017		120.0000		
Sulfate	mg/L	BW-4S	05/03/2017		190.0000		
Sulfate	mg/L	BW-4S	08/16/2017		170.0000		
Sulfate	mg/L	BW-4S	11/07/2017		210.0000		
Sulfate	mg/L	BW-4S	02/08/2018		240.0000		
Sulfate	mg/L	BW-4S	08/23/2018		210.0000		
Sulfate	mg/L	BW-4S	02/08/2019		92.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	BW-4S	08/27/2019		82.0000		
Sulfate	mg/L	BW-4S	02/11/2020		65.0000		
Sulfate	mg/L	BW-4S	08/24/2020		44.0000		
Sulfate	mg/L	BW-4S	02/08/2021		90.8000		
Sulfate	mg/L	BW-4S	08/20/2021		123.0000		
Sulfate	mg/L	BW-4S	02/10/2022		96.2000		
Sulfate	mg/L	BW-4S	08/16/2022		87.5000		
Sulfate	mg/L	BW-4S	02/10/2023		89.1000		
Sulfate	mg/L	BW-4S	08/17/2023		82.9000		
Sulfate	mg/L	BW-4S	02/09/2024		86.1000		
Sulfate	mg/L	BW-4S	08/21/2024		100.0000		
Sulfate	mg/L	BW-4S	02/10/2025		127.0000		
Sulfate	mg/L	BW-5S	02/15/2016		52.0000		
Sulfate	mg/L	BW-5S	05/05/2016		8.9000		
Sulfate	mg/L	BW-5S	08/04/2016		12.0000		
Sulfate	mg/L	BW-5S	11/02/2016		140.0000		
Sulfate	mg/L	BW-5S	02/13/2017		180.0000		
Sulfate	mg/L	BW-5S	05/03/2017		200.0000		
Sulfate	mg/L	BW-5S	08/16/2017		11.0000		
Sulfate	mg/L	BW-5S	11/07/2017		180.0000		
Sulfate	mg/L	BW-5S	02/08/2018		160.0000		
Sulfate	mg/L	BW-5S	08/23/2018		9.7000		
Sulfate	mg/L	BW-5S	02/08/2019		77.0000		
Sulfate	mg/L	BW-5S	08/27/2019		38.0000		
Sulfate	mg/L	BW-5S	02/11/2020		110.0000		
Sulfate	mg/L	BW-5S	08/24/2020		114.0000		
Sulfate	mg/L	BW-5S	02/08/2021		85.5000		
Sulfate	mg/L	BW-5S	08/20/2021	ND	5.0000		
Sulfate	mg/L	BW-5S	02/10/2022		75.7000		
Sulfate	mg/L	BW-5S	08/16/2022		90.7000		
Sulfate	mg/L	BW-5S	02/10/2023		118.0000		
Sulfate	mg/L	BW-5S	08/17/2023		160.0000		
Sulfate	mg/L	BW-5S	02/09/2024		91.0000		
Sulfate	mg/L	BW-5S	08/21/2024		5.6900		
Sulfate	mg/L	BW-5S	02/10/2025		98.7000		
Thallium	ug/L	BW-1S	10/05/2011	ND	1.0000		
Thallium	ug/L	BW-1S	02/14/2012	ND	1.0000		
Thallium	ug/L	BW-1S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-1S	02/14/2013	ND	1.0000		
Thallium	ug/L	BW-1S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-1S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-1S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-1S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-1S	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-1S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-1S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-1S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-1S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-1S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-1S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-1S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-1S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-1S	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-1S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-1S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-1S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-1S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-1S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-1S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-1S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-1S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-1S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-1S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-1S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-1S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-1S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-1S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-2S	10/05/2011	ND	1.0000		
Thallium	ug/L	BW-2S	02/14/2012	ND	1.0000		
Thallium	ug/L	BW-2S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-2S	02/14/2013	ND	1.0000		
Thallium	ug/L	BW-2S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-2S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-2S	02/13/2015	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	BW-2S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-2S	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-2S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-2S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-2S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-2S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-2S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-2S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-2S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-2S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-2S	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-2S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-2S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-2S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-2S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-2S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-2S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-2S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-2S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-2S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-2S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-2S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-2S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-2S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-2S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-3SR	02/15/2012	ND	1.0000		
Thallium	ug/L	BW-3SR	08/16/2012	ND	1.0000		
Thallium	ug/L	BW-3SR	02/15/2013	ND	1.0000		
Thallium	ug/L	BW-3SR	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-3SR	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-3SR	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-3SR	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-3SR	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-3SR	02/16/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	11/03/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-3SR	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-3SR	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-3SR	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-3SR	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-3SR	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-3SR	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-3SR	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-3SR	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-3SR	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-3SR	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-3SR	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-3SR	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-3SR	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-3SR	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-4S	10/04/2011	ND	1.0000		
Thallium	ug/L	BW-4S	02/13/2012	ND	1.0000		
Thallium	ug/L	BW-4S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-4S	02/15/2013	ND	1.0000		
Thallium	ug/L	BW-4S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-4S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-4S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-4S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-4S	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-4S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-4S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-4S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-4S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-4S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-4S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-4S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-4S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-4S	02/08/2018	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	BW-4S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-4S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-4S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-4S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-4S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-4S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-4S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-4S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-4S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-4S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-4S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-4S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-4S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-4S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-5S	10/04/2011	ND	1.0000		
Thallium	ug/L	BW-5S	02/15/2012	ND	1.0000		
Thallium	ug/L	BW-5S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-5S	02/15/2013	ND	1.0000		
Thallium	ug/L	BW-5S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-5S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-5S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-5S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-5S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-5S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-5S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-5S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-5S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-5S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-5S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-5S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-5S	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-5S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-5S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-5S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-5S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-5S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-5S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-5S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-5S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-5S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-5S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-5S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-5S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-5S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-5S	02/10/2025	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony	ug/L	DW-1SR	02/10/2025	ND	2.0000	2.0000
Antimony	ug/L	DW-2SR	02/10/2025	ND	2.0000	2.0000
Antimony	ug/L	DW-3SR	02/10/2025	ND	2.0000	2.0000
Antimony	ug/L	DW-4SR	02/10/2025	ND	2.0000	2.0000
Arsenic	ug/L	DW-1SR	02/10/2025	ND	5.0000	7.8000
Arsenic	ug/L	DW-2SR	02/10/2025	ND	5.0000	7.8000
Arsenic	ug/L	DW-3SR	02/10/2025	ND	5.0000	7.8000
Arsenic	ug/L	DW-4SR	02/10/2025	ND	5.0000	7.8000
Barium	ug/L	DW-1SR	02/10/2025	ND	10.0000	303.4632
Barium	ug/L	DW-2SR	02/10/2025	ND	10.0000	303.4632
Barium	ug/L	DW-3SR	02/10/2025	ND	10.0000	303.4632
Barium	ug/L	DW-4SR	02/10/2025	ND	10.0000	303.4632
Beryllium	ug/L	DW-1SR	02/10/2025	ND	1.0000	1.0000
Beryllium	ug/L	DW-2SR	02/10/2025	ND	1.0000	1.0000
Beryllium	ug/L	DW-3SR	02/10/2025	ND	1.0000	1.0000
Beryllium	ug/L	DW-4SR	02/10/2025	ND	1.0000	1.0000
Boron	ug/L	DW-1SR	02/10/2025	ND	100.0000	210.0000
Boron	ug/L	DW-2SR	02/10/2025	ND	100.0000	210.0000
Boron	ug/L	DW-3SR	02/10/2025	ND	100.0000	210.0000
Boron	ug/L	DW-4SR	02/10/2025	ND	100.0000	210.0000
Cadmium	ug/L	DW-1SR	02/10/2025	ND	5.0000	5.0000
Cadmium	ug/L	DW-2SR	02/10/2025	ND	5.0000	5.0000
Cadmium	ug/L	DW-3SR	02/10/2025	ND	5.0000	5.0000
Cadmium	ug/L	DW-4SR	02/10/2025	ND	5.0000	5.0000
Calcium	mg/L	DW-1SR	02/10/2025		15.8000	91.5861
Calcium	mg/L	DW-2SR	02/10/2025		23.7000	91.5861
Calcium	mg/L	DW-3SR	02/10/2025		66.0000	91.5861
Calcium	mg/L	DW-4SR	02/10/2025		107.0000	91.5861
Chloride	mg/L	DW-1SR	02/10/2025	ND	3.0000	86.0000
Chloride	mg/L	DW-2SR	02/10/2025		4.4400	86.0000
Chloride	mg/L	DW-3SR	02/10/2025		4.6900	86.0000
Chloride	mg/L	DW-4SR	02/10/2025		8.1800	86.0000
Chromium	ug/L	DW-1SR	02/10/2025	ND	10.0000	10.5000
Chromium	ug/L	DW-2SR	02/10/2025	ND	10.0000	10.5000
Chromium	ug/L	DW-3SR	02/10/2025	ND	10.0000	10.5000
Chromium	ug/L	DW-4SR	02/10/2025	ND	10.0000	10.5000
Cobalt	ug/L	DW-1SR	02/10/2025	ND	10.0000	10.0000
Cobalt	ug/L	DW-2SR	02/10/2025	ND	10.0000	10.0000
Cobalt	ug/L	DW-3SR	02/10/2025	ND	10.0000	10.0000
Cobalt	ug/L	DW-4SR	02/10/2025	ND	10.0000	10.0000
Fluoride	mg/L	DW-1SR	02/10/2025	ND	0.5000	0.5900
Fluoride	mg/L	DW-2SR	02/10/2025	ND	0.5000	0.5900
Fluoride	mg/L	DW-3SR	02/10/2025	ND	0.5000	0.5900
Fluoride	mg/L	DW-4SR	02/10/2025	ND	0.5000	0.5900
Lead	ug/L	DW-1SR	02/10/2025	ND	9.0000	9.0000
Lead	ug/L	DW-2SR	02/10/2025	ND	9.0000	9.0000
Lead	ug/L	DW-3SR	02/10/2025	ND	9.0000	9.0000
Lead	ug/L	DW-4SR	02/10/2025	ND	9.0000	9.0000
Lithium	ug/L	DW-1SR	02/10/2025	ND	20.0000	20.0000
Lithium	ug/L	DW-2SR	02/10/2025	ND	20.0000	20.0000
Lithium	ug/L	DW-3SR	02/10/2025	ND	20.0000	20.0000
Lithium	ug/L	DW-4SR	02/10/2025	ND	20.0000	20.0000
Mercury	ug/L	DW-1SR	02/10/2025	ND	0.2000	0.2000
Mercury	ug/L	DW-2SR	02/10/2025	ND	0.2000	0.2000
Mercury	ug/L	DW-3SR	02/10/2025	ND	0.2000	0.2000
Mercury	ug/L	DW-4SR	02/10/2025	ND	0.2000	0.2000
Molybdenum	ug/L	DW-1SR	02/10/2025	ND	20.0000	20.0000
Molybdenum	ug/L	DW-2SR	02/10/2025	ND	20.0000	20.0000
Molybdenum	ug/L	DW-3SR	02/10/2025	ND	20.0000	20.0000
Molybdenum	ug/L	DW-4SR	02/10/2025	ND	20.0000	20.0000
pH (Field)	S.U.	DW-1SR	02/10/2025		5.6600	3.88 - 6.36
pH (Field)	S.U.	DW-2SR	02/10/2025		5.9800	3.88 - 6.36
pH (Field)	S.U.	DW-3SR	02/10/2025		5.3100	3.88 - 6.36
pH (Field)	S.U.	DW-4SR	02/10/2025		6.1400	3.88 - 6.36
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2025		96.0000	591.0000
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2025		154.0000	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2025		271.0000	591.0000
Residue, filterable (tds)	mg/L	DW-4SR	02/10/2025		391.0000	591.0000
Selenium	ug/L	DW-1SR	02/10/2025	ND	20.0000	20.0000
Selenium	ug/L	DW-2SR	02/10/2025	ND	20.0000	20.0000
Selenium	ug/L	DW-3SR	02/10/2025	ND	20.0000	20.0000
Selenium	ug/L	DW-4SR	02/10/2025	ND	20.0000	20.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Sulfate	mg/L	DW-1SR	02/10/2025		16.6000	290.0000
Sulfate	mg/L	DW-2SR	02/10/2025		41.3000	290.0000
Sulfate	mg/L	DW-3SR	02/10/2025		262.0000 **	290.0000
Sulfate	mg/L	DW-4SR	02/10/2025		90.5000	290.0000
Thallium	ug/L	DW-1SR	02/10/2025	ND	1.0000	1.0000
Thallium	ug/L	DW-2SR	02/10/2025	ND	1.0000	1.0000
Thallium	ug/L	DW-3SR	02/10/2025	ND	1.0000	1.0000
Thallium	ug/L	DW-4SR	02/10/2025	ND	1.0000	1.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony	0	158	0.000	0	107	0.000
Arsenic	3	158	0.019	0	107	0.000
Barium	81	158	0.513	54	107	0.505
Beryllium	0	158	0.000	0	107	0.000
Boron	1	119	0.008	28	95	0.295
Cadmium	0	158	0.000	0	107	0.000
Calcium	119	119	1.000	92	92	1.000
Chloride	151	157	0.962	75	103	0.728
Chromium	1	158	0.006	1	107	0.009
Cobalt	0	158	0.000	0	107	0.000
Fluoride	1	118	0.008	2	95	0.021
Lead	0	158	0.000	0	107	0.000
Lithium	0	119	0.000	0	95	0.000
Mercury	0	158	0.000	0	107	0.000
Molybdenum	0	119	0.000	0	95	0.000
pH (Field)	163	163	1.000	113	113	1.000
Residue, filterable (tds)	158	158	1.000	104	104	1.000
Selenium	0	158	0.000	0	107	0.000
Sulfate	93	117	0.795	87	91	0.956
Thallium	0	158	0.000	0	107	0.000

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony	0	158	0.000									nonpar
Arsenic	3	158	0.019	1.091	1.201					2.326	normal	nonpar
Barium	81	158	0.513	3.671	1.216					2.326	lognor	lognor
Beryllium	0	158	0.000									nonpar
Boron	1	119	0.008									nonpar
Cadmium	0	158	0.000									nonpar
Calcium	119	119	1.000	6.267	2.319					2.326	lognor	lognor
Chloride	151	157	0.962	4.038	2.639					2.326	non-norm	nonpar
Chromium	1	158	0.006									nonpar
Cobalt	0	158	0.000									nonpar
Fluoride	1	118	0.008									nonpar
Lead	0	158	0.000									nonpar
Lithium	0	119	0.000									nonpar
Mercury	0	158	0.000									nonpar
Molybdenum	0	119	0.000									nonpar
pH (Field)	163	163	1.000	4.055	4.511					2.326	non-norm	nonpar
Residue, filterable (tds)	158	158	1.000	6.443	3.921					2.326	non-norm	nonpar
Selenium	0	158	0.000									nonpar
Sulfate	93	117	0.795	5.767	3.183					2.326	non-norm	nonpar
Thallium	0	158	0.000									nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony	ug/L	0	158	1.6776	1.7125	0.0100	2.3578	2.0000	nonpar	***	0.99
Arsenic	ug/L	3	158					7.8000	nonpar		0.99
Barium	ug/L	81	158					303.4632	lognor		
Beryllium	ug/L	0	158					1.0000	nonpar	***	0.99
Boron	ug/L	1	119	2.5947	0.8118	0.0100	2.3682	210.0000	nonpar		0.99
Cadmium	ug/L	0	158					5.0000	nonpar	***	0.99
Calcium	mg/L	119	119					91.5861	lognor		
Chloride	mg/L	151	157					86.0000	nonpar		0.99
Chromium	ug/L	1	158					10.5000	nonpar		0.99
Cobalt	ug/L	0	158					10.0000	nonpar	***	0.99
Fluoride	mg/L	1	118					0.5900	nonpar		0.99
Lead	ug/L	0	158					9.0000	nonpar	***	0.99
Lithium	ug/L	0	119					20.0000	nonpar	***	0.99
Mercury	ug/L	0	158					0.2000	nonpar	***	0.99
Molybdenum	ug/L	0	119					20.0000	nonpar	***	0.99
pH (Field)	S.U.	163	163					3.88- 6.36	nonpar		0.99
Residue, filterable (tds)	mg/L	158	158					591.0000	nonpar		0.99
Selenium	ug/L	0	158					20.0000	nonpar	***	0.99
Sulfate	mg/L	93	117					290.0000	nonpar		0.99
Thallium	ug/L	0	158					1.0000	nonpar	***	0.99

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Fluoride	mg/L	BW-1S	02/15/2016	2.5000	< 2.5000	12/17/2015-02/10/2025	24	0.4969
Sulfate	mg/L	BW-1S	02/10/2023	76.5000		12/17/2015-02/10/2025	24	0.5065
Sulfate	mg/L	BW-1S	08/21/2024	78.5000		12/17/2015-02/10/2025	24	0.5065

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.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date	Result		Pred. Limit
Calcium	mg/L	DW-3SR	12/17/2015	64.0000		91.5861
Calcium	mg/L	DW-3SR	02/16/2016	74.0000		91.5861
Calcium	mg/L	DW-3SR	05/05/2016	49.0000		91.5861
Calcium	mg/L	DW-3SR	08/04/2016	51.0000		91.5861
Calcium	mg/L	DW-3SR	11/03/2016	87.0000		91.5861
Calcium	mg/L	DW-3SR	02/13/2017	79.0000		91.5861
Calcium	mg/L	DW-3SR	05/03/2017	21.0000		91.5861
Calcium	mg/L	DW-3SR	08/16/2017	20.0000		91.5861
Calcium	mg/L	DW-3SR	11/07/2017	140.0000	*	91.5861
Calcium	mg/L	DW-3SR	02/09/2018	110.0000	*	91.5861
Calcium	mg/L	DW-3SR	03/29/2018	100.0000	*	91.5861
Calcium	mg/L	DW-3SR	08/23/2018	240.0000	*	91.5861
Calcium	mg/L	DW-3SR	02/08/2019	460.0000	***	91.5861
Calcium	mg/L	DW-3SR	08/27/2019	470.0000	***	91.5861
Calcium	mg/L	DW-3SR	02/12/2020	330.0000	*	91.5861
Calcium	mg/L	DW-3SR	08/25/2020	112.0000	*	91.5861
Calcium	mg/L	DW-3SR	02/08/2021	64.4000		91.5861
Calcium	mg/L	DW-3SR	08/20/2021	89.2000		91.5861
Calcium	mg/L	DW-3SR	02/10/2022	76.5000		91.5861
Calcium	mg/L	DW-3SR	08/16/2022	63.7000		91.5861
Calcium	mg/L	DW-3SR	02/10/2023	46.6000		91.5861
Calcium	mg/L	DW-3SR	08/17/2023	17.8000		91.5861
Calcium	mg/L	DW-3SR	02/09/2024	62.7000		91.5861
Calcium	mg/L	DW-3SR	08/21/2024	197.0000	*	91.5861
Calcium	mg/L	DW-3SR	02/10/2025	66.0000		91.5861
Calcium	mg/L	DW-4SR	12/17/2015	23.0000		91.5861
Calcium	mg/L	DW-4SR	02/16/2016	20.0000		91.5861
Calcium	mg/L	DW-4SR	05/05/2016	16.0000		91.5861
Calcium	mg/L	DW-4SR	08/04/2016	19.0000		91.5861
Calcium	mg/L	DW-4SR	11/03/2016	30.0000		91.5861
Calcium	mg/L	DW-4SR	02/13/2017	26.0000		91.5861
Calcium	mg/L	DW-4SR	05/03/2017	29.0000		91.5861
Calcium	mg/L	DW-4SR	08/16/2017	26.0000		91.5861
Calcium	mg/L	DW-4SR	11/07/2017	21.0000		91.5861
Calcium	mg/L	DW-4SR	02/09/2018	21.0000		91.5861
Calcium	mg/L	DW-4SR	08/23/2018	11.0000		91.5861
Calcium	mg/L	DW-4SR	02/08/2019	19.0000		91.5861
Calcium	mg/L	DW-4SR	08/27/2019	10.0000		91.5861
Calcium	mg/L	DW-4SR	02/12/2020	8.5000		91.5861
Calcium	mg/L	DW-4SR	08/25/2020	7.3000		91.5861
Calcium	mg/L	DW-4SR	02/08/2021	8.6900		91.5861
Calcium	mg/L	DW-4SR	08/20/2021	6.2000		91.5861
Calcium	mg/L	DW-4SR	02/11/2022	25.7000		91.5861
Calcium	mg/L	DW-4SR	08/16/2022	33.6000		91.5861
Calcium	mg/L	DW-4SR	02/10/2023	52.1000		91.5861
Calcium	mg/L	DW-4SR	08/18/2023	48.8000		91.5861
Calcium	mg/L	DW-4SR	02/09/2024	49.5000		91.5861
Calcium	mg/L	DW-4SR	08/21/2024	23.7000		91.5861
Calcium	mg/L	DW-4SR	02/10/2025	107.0000	*	91.5861
Residue, filterable (tds)	mg/L	DW-3SR	08/28/2014	540.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/13/2015	420.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/17/2015	350.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	12/17/2015	310.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/16/2016	370.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	05/05/2016	280.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/04/2016	260.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	11/03/2016	460.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/13/2017	430.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	05/03/2017	150.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/16/2017	160.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	11/07/2017	950.0000	*	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/09/2018	730.0000	*	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	03/29/2018	600.0000	*	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/23/2018	1000.0000	*	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/08/2019	1100.0000	***	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/27/2019	1800.0000	***	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/12/2020	720.0000	*	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/25/2020	430.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/08/2021	264.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/20/2021	346.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2022	118.0000		591.0000

* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date	Result		Pred. Limit
Residue, filterable (tds)	mg/L	DW-3SR	08/16/2022	328.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2023	200.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/17/2023	90.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/09/2024	254.0000		591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/21/2024	783.0000	*	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2025	271.0000		591.0000
Sulfate	mg/L	DW-3SR	12/17/2015	180.0000		290.0000
Sulfate	mg/L	DW-3SR	02/16/2016	210.0000		290.0000
Sulfate	mg/L	DW-3SR	05/05/2016	71.0000		290.0000
Sulfate	mg/L	DW-3SR	08/04/2016	140.0000		290.0000
Sulfate	mg/L	DW-3SR	11/03/2016	270.0000		290.0000
Sulfate	mg/L	DW-3SR	02/13/2017	260.0000		290.0000
Sulfate	mg/L	DW-3SR	05/03/2017	8.6000		290.0000
Sulfate	mg/L	DW-3SR	08/16/2017	37.0000		290.0000
Sulfate	mg/L	DW-3SR	11/07/2017	240.0000		290.0000
Sulfate	mg/L	DW-3SR	02/09/2018	180.0000		290.0000
Sulfate	mg/L	DW-3SR	08/23/2018	720.0000	*	290.0000
Sulfate	mg/L	DW-3SR	02/08/2019	1200.0000	***	290.0000
Sulfate	mg/L	DW-3SR	08/27/2019	1200.0000	***	290.0000
Sulfate	mg/L	DW-3SR	02/12/2020	520.0000	*	290.0000
Sulfate	mg/L	DW-3SR	08/25/2020	248.0000		290.0000
Sulfate	mg/L	DW-3SR	02/08/2021	150.0000		290.0000
Sulfate	mg/L	DW-3SR	08/20/2021	176.0000		290.0000
Sulfate	mg/L	DW-3SR	02/10/2022	41.5000		290.0000
Sulfate	mg/L	DW-3SR	08/16/2022	148.0000		290.0000
Sulfate	mg/L	DW-3SR	02/10/2023	95.4000		290.0000
Sulfate	mg/L	DW-3SR	08/17/2023	36.9000		290.0000
Sulfate	mg/L	DW-3SR	02/09/2024	149.0000		290.0000
Sulfate	mg/L	DW-3SR	08/21/2024	496.0000	*	290.0000
Sulfate	mg/L	DW-3SR	02/10/2025	262.0000		290.0000

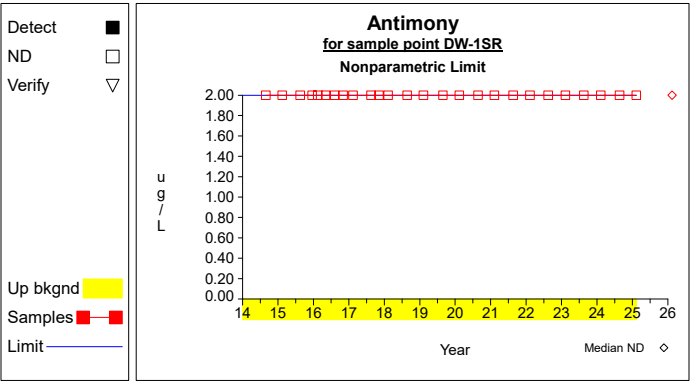
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

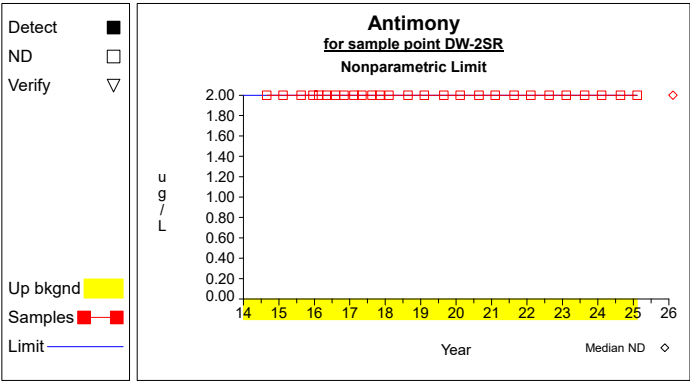
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

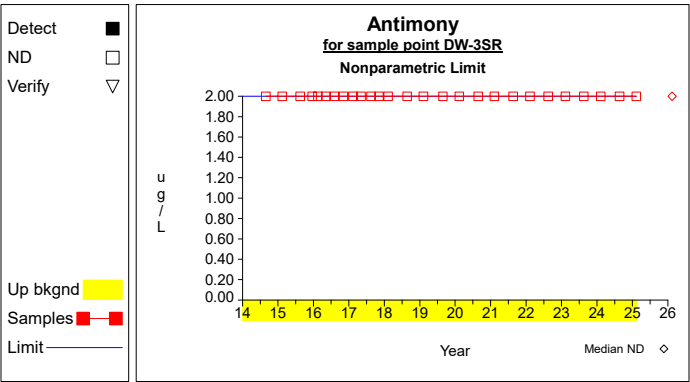
Up vs. Down Prediction Limits



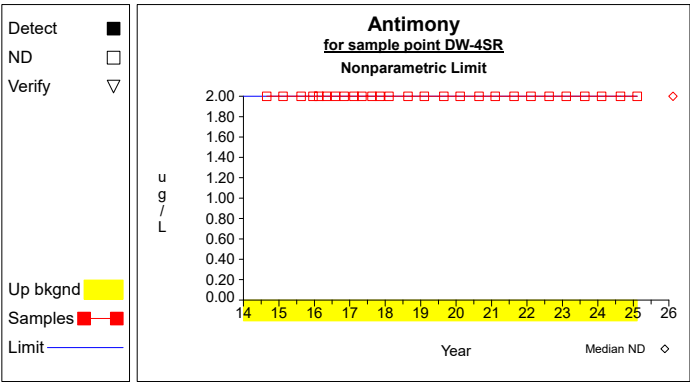
Graph 1



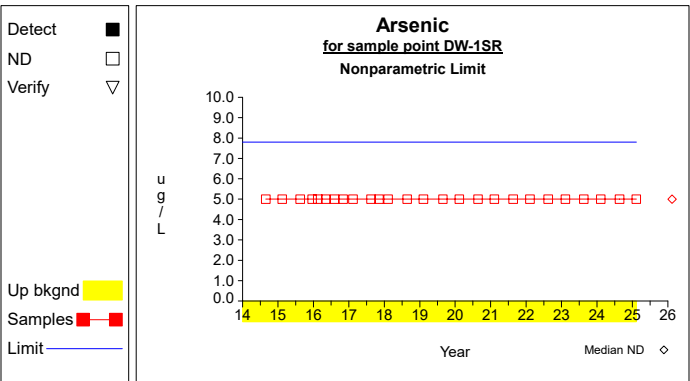
Graph 2



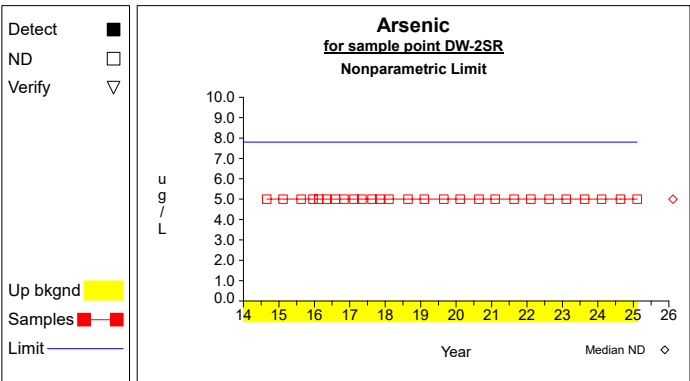
Graph 3



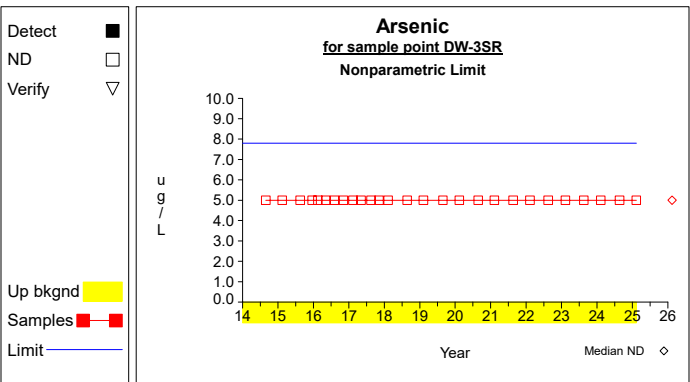
Graph 4



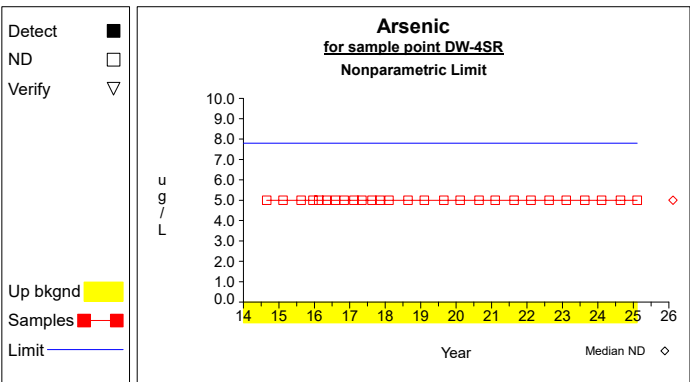
Graph 5



Graph 6

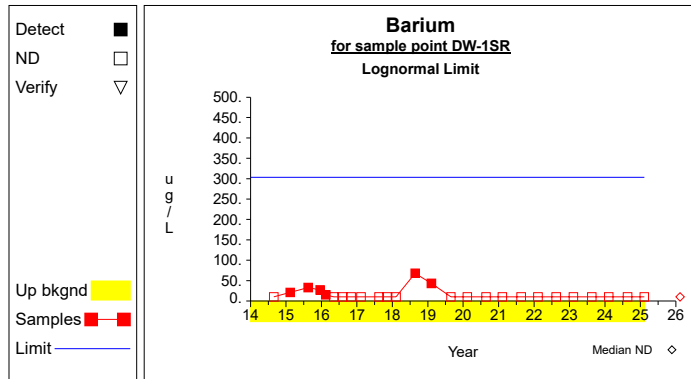


Graph 7

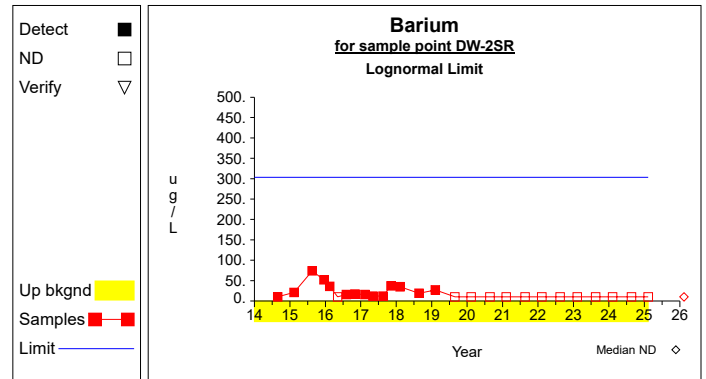


Graph 8

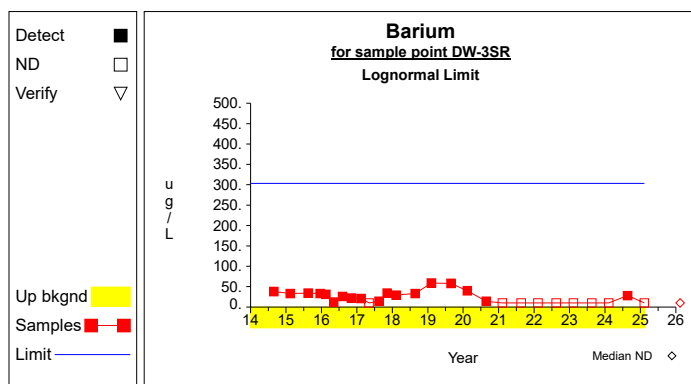
Up vs. Down Prediction Limits



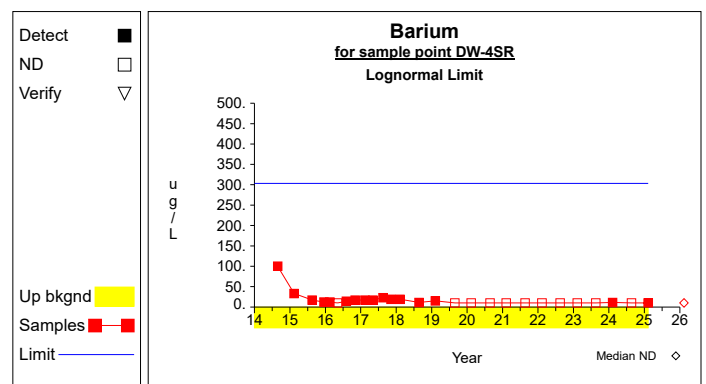
Graph 9



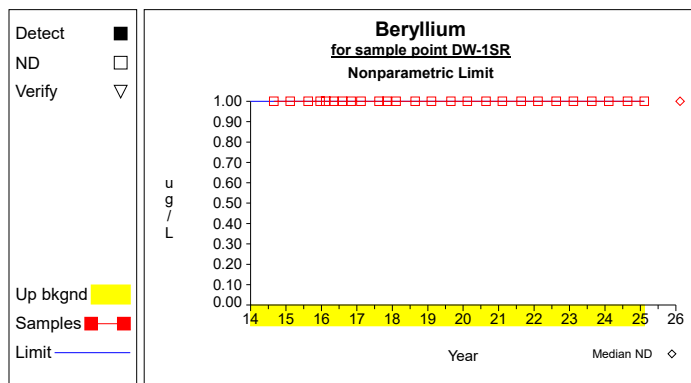
Graph 10



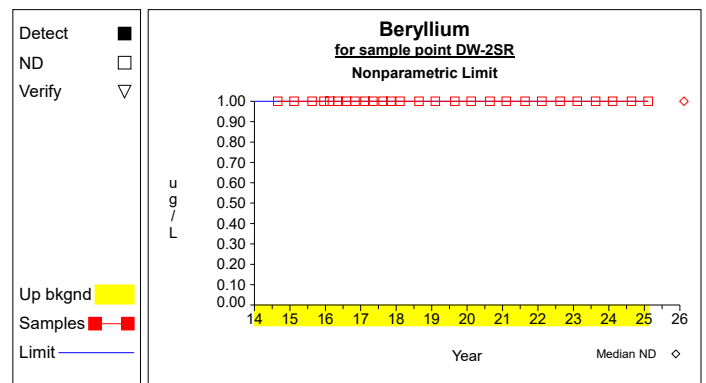
Graph 11



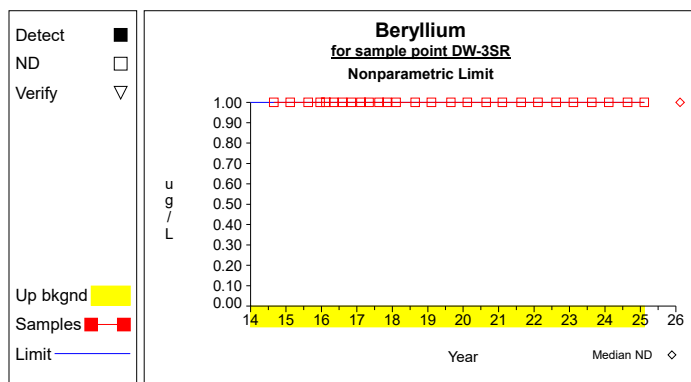
Graph 12



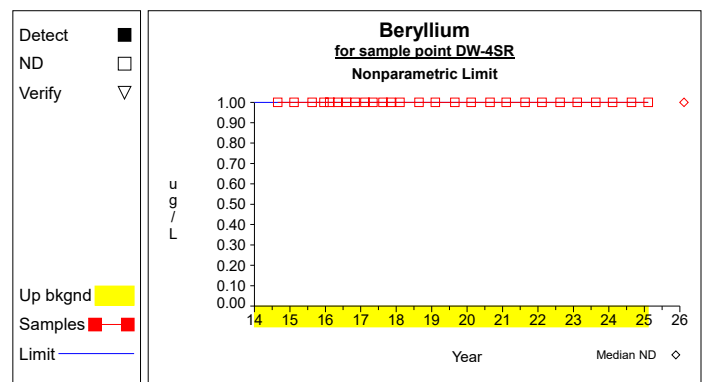
Graph 13



Graph 14

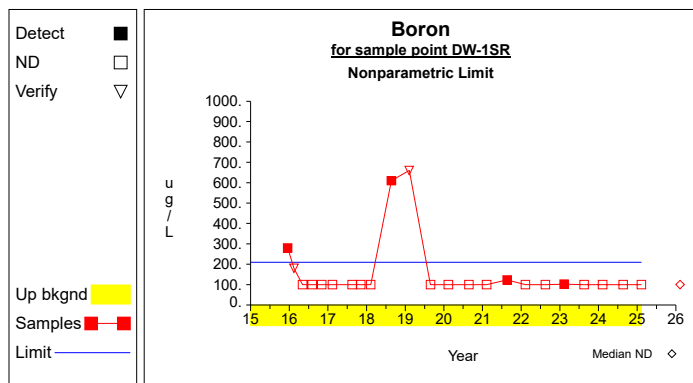


Graph 15

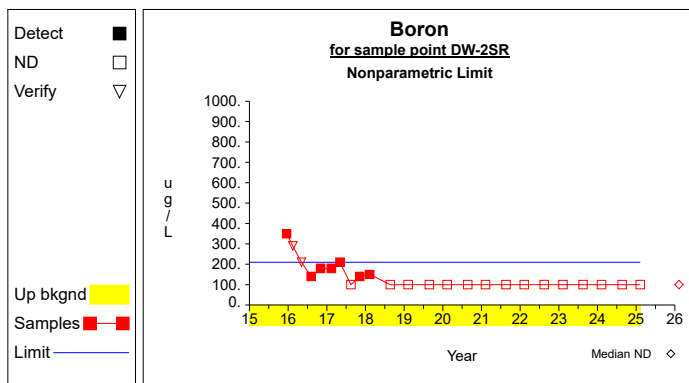


Graph 16

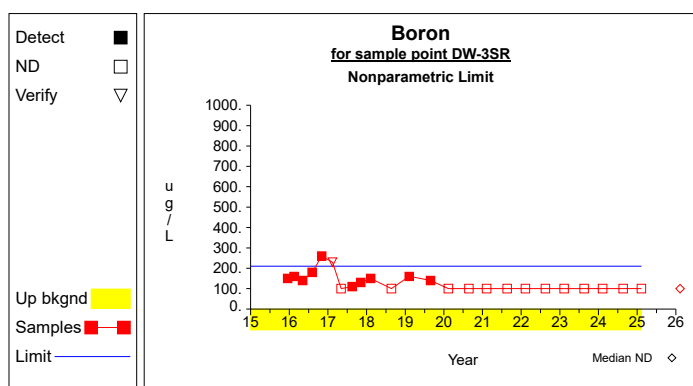
Up vs. Down Prediction Limits



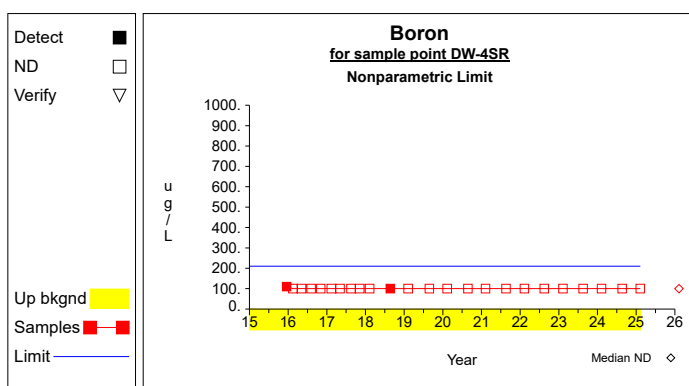
Graph 17



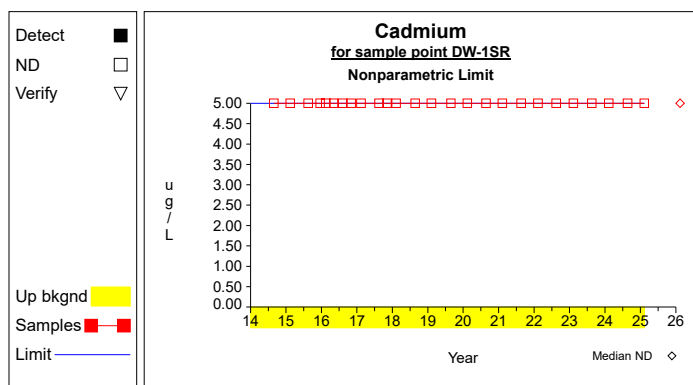
Graph 18



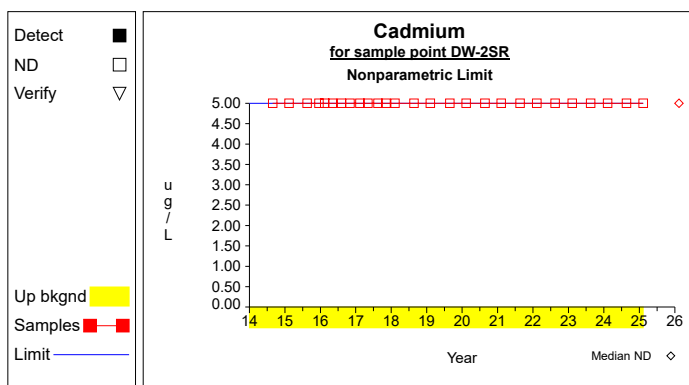
Graph 19



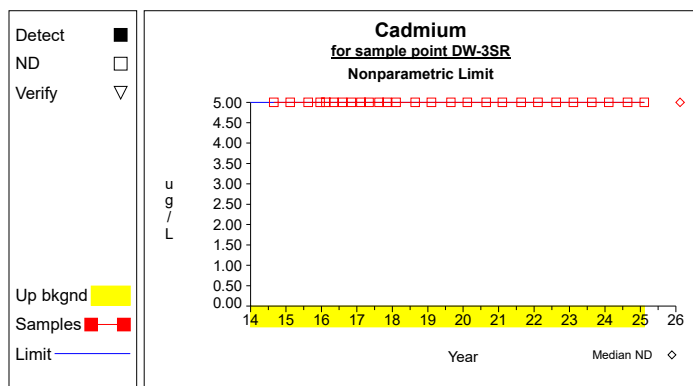
Graph 20



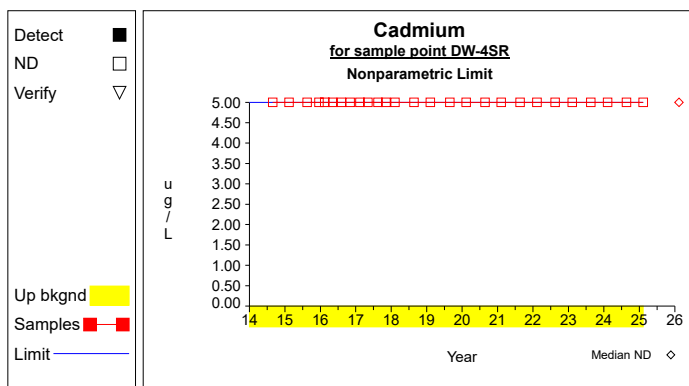
Graph 21



Graph 22

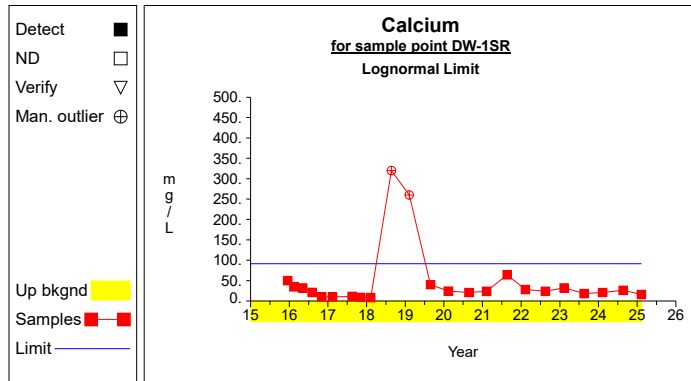


Graph 23

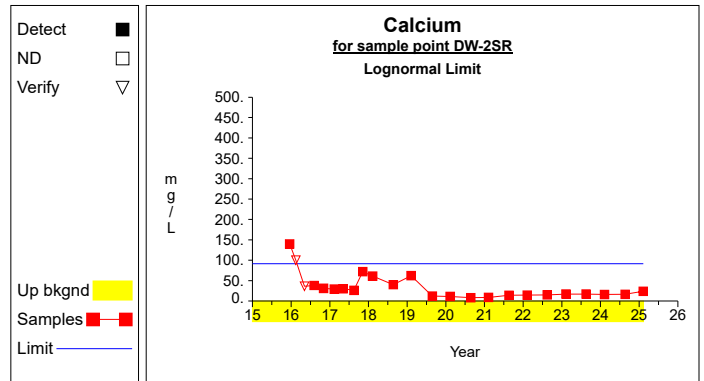


Graph 24

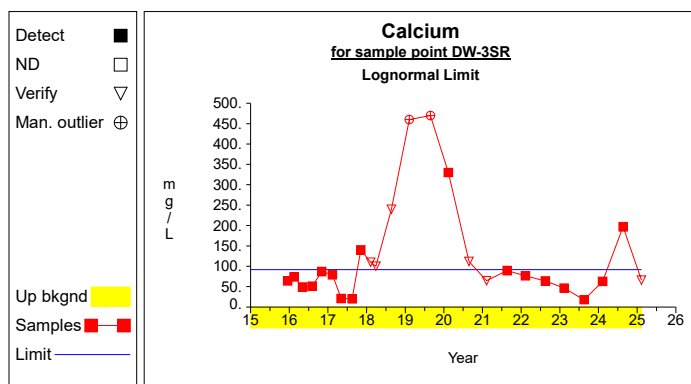
Up vs. Down Prediction Limits



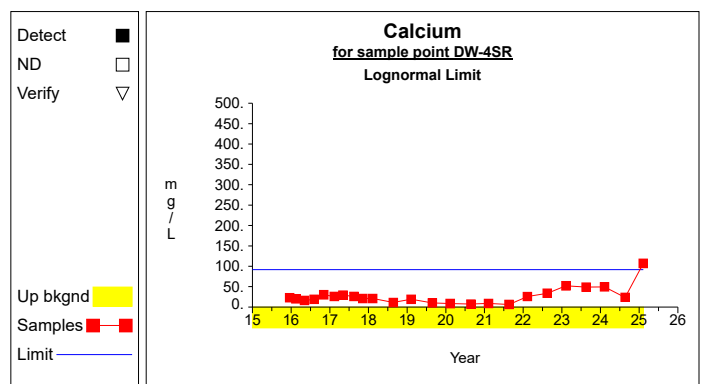
Graph 25



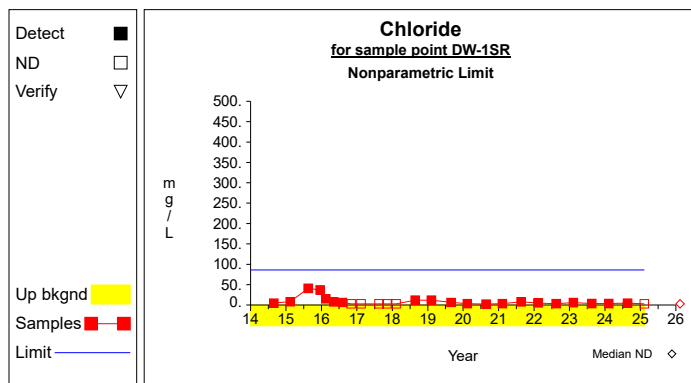
Graph 26



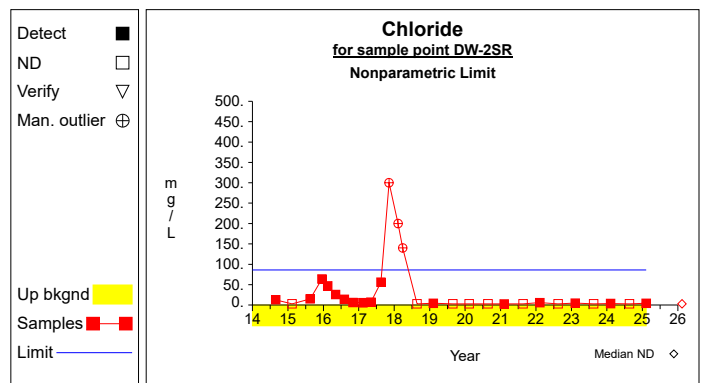
Graph 27



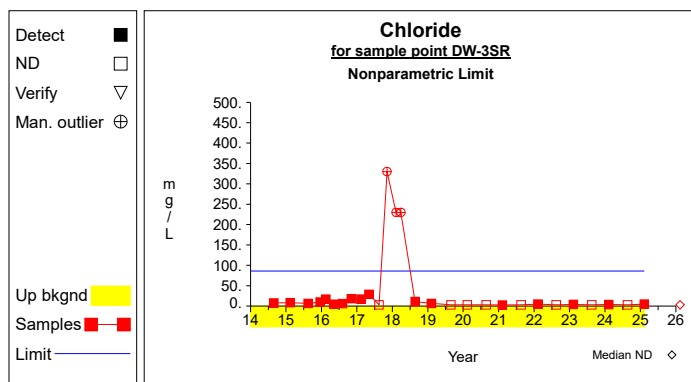
Graph 28



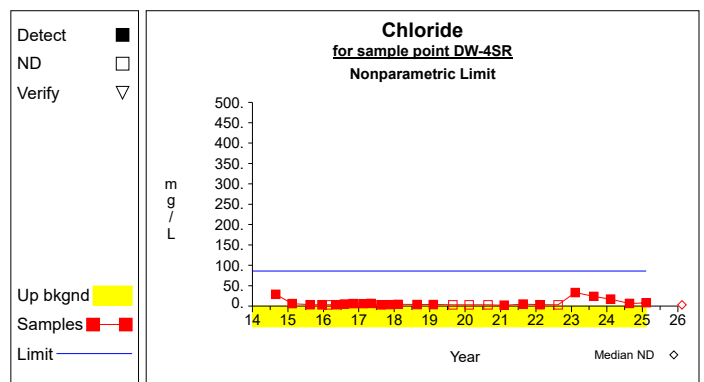
Graph 29



Graph 30

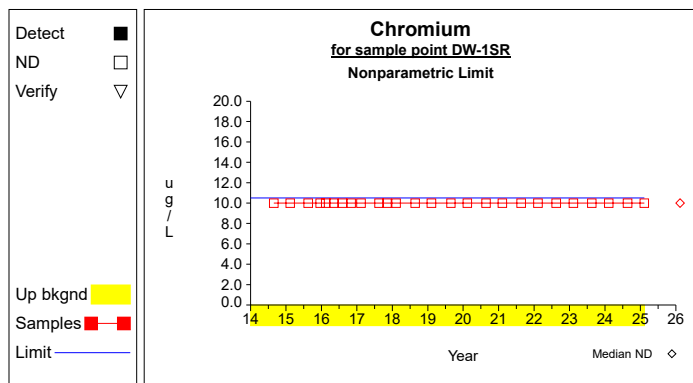


Graph 31

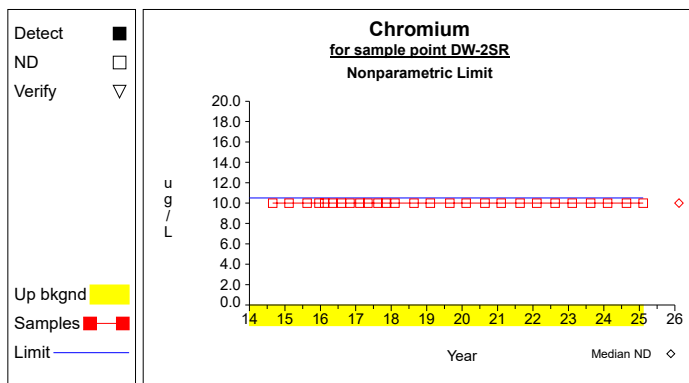


Graph 32

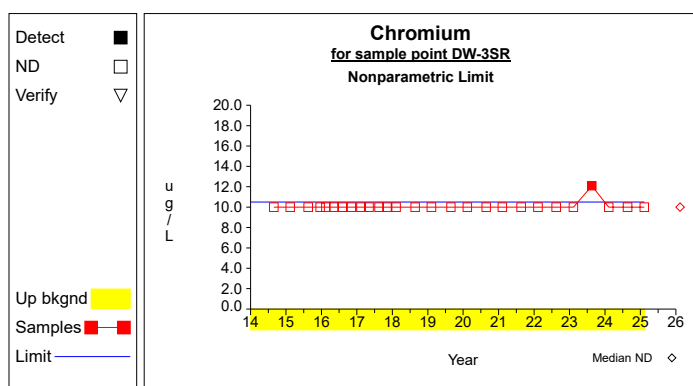
Up vs. Down Prediction Limits



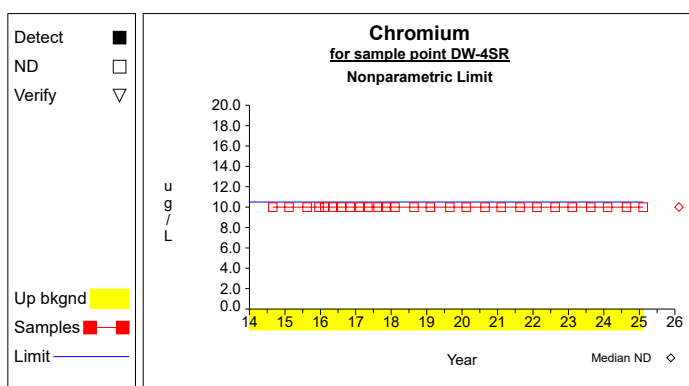
Graph 33



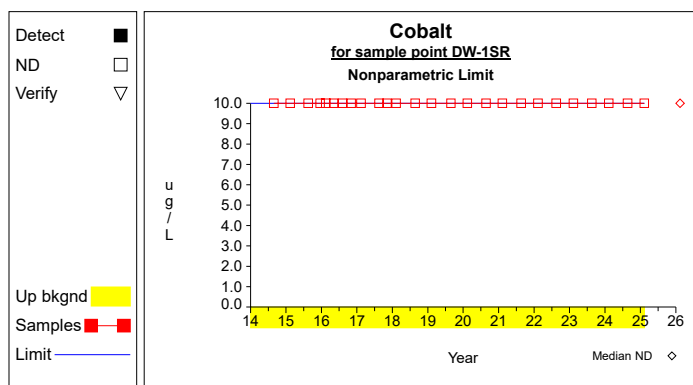
Graph 34



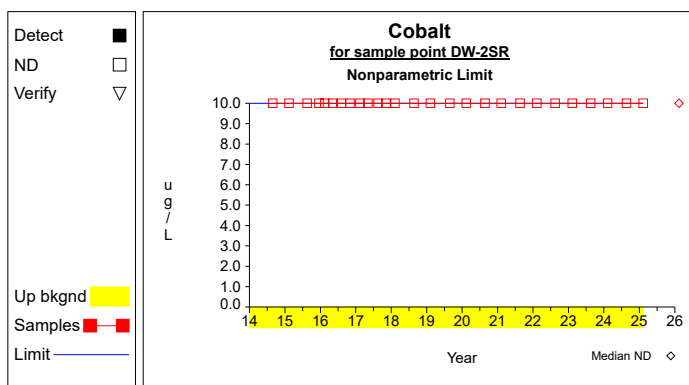
Graph 35



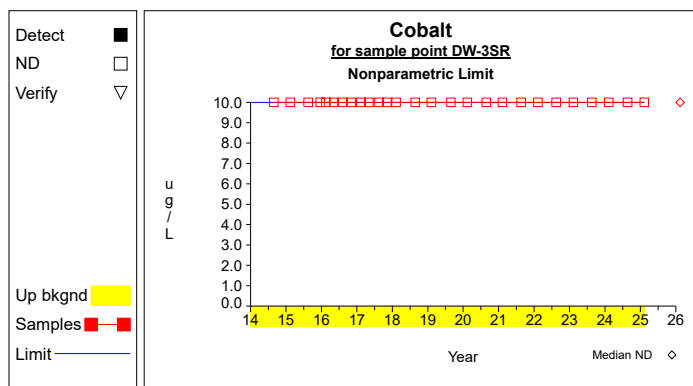
Graph 36



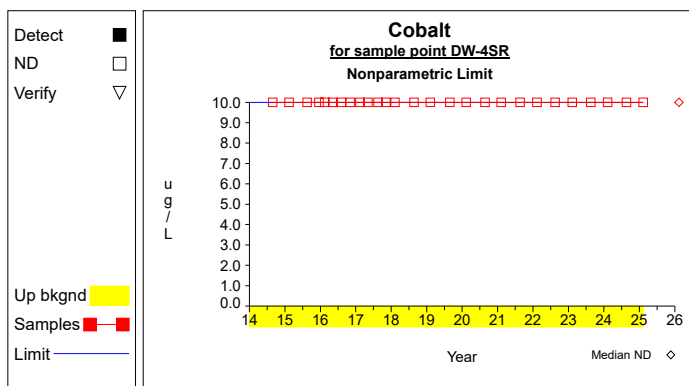
Graph 37



Graph 38

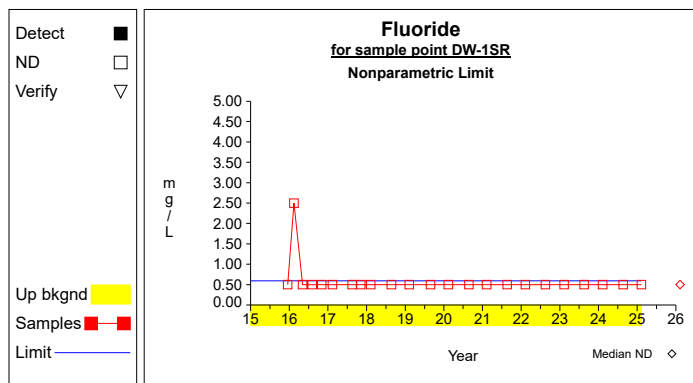


Graph 39

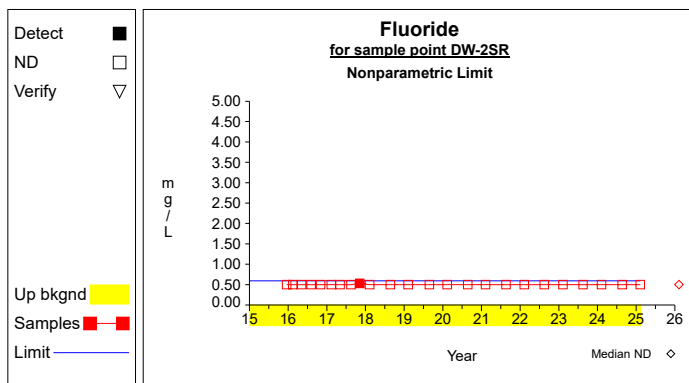


Graph 40

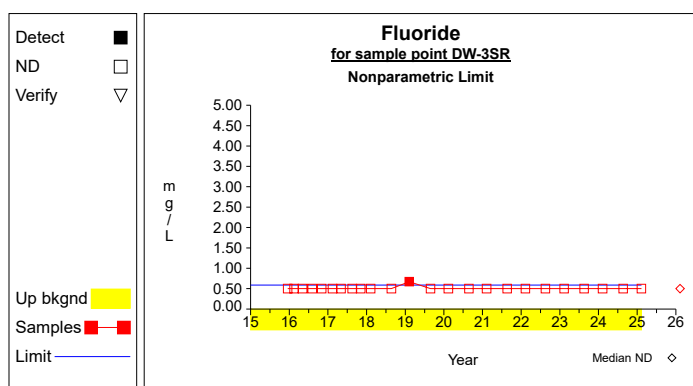
Up vs. Down Prediction Limits



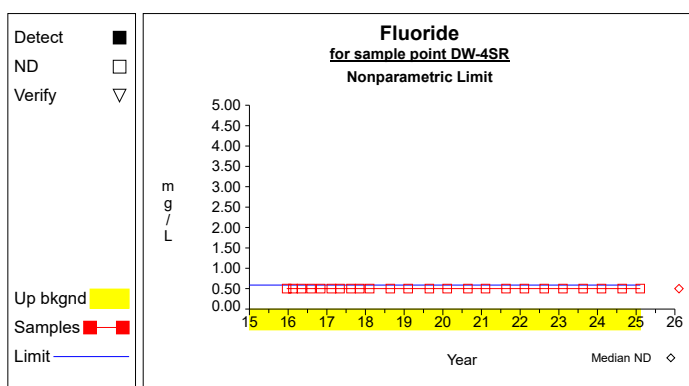
Graph 41



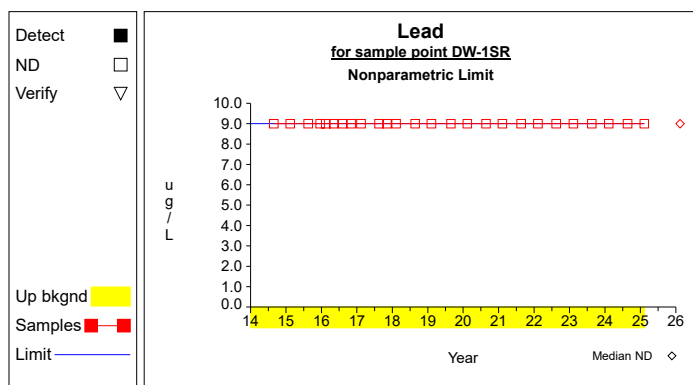
Graph 42



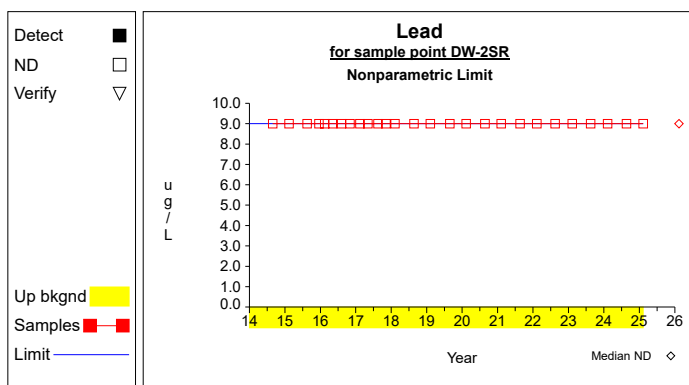
Graph 43



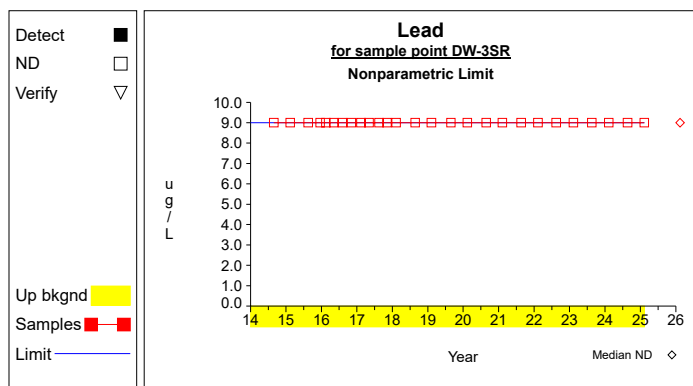
Graph 44



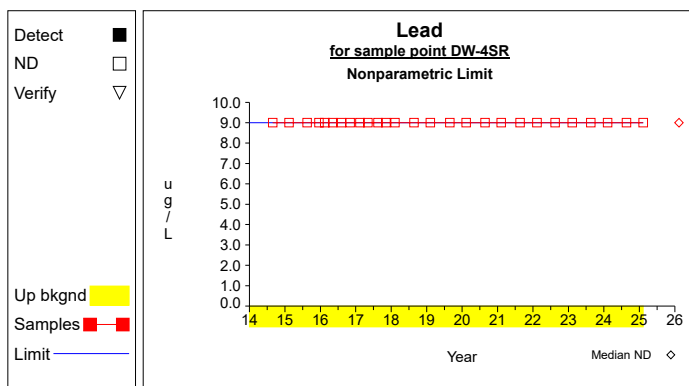
Graph 45



Graph 46

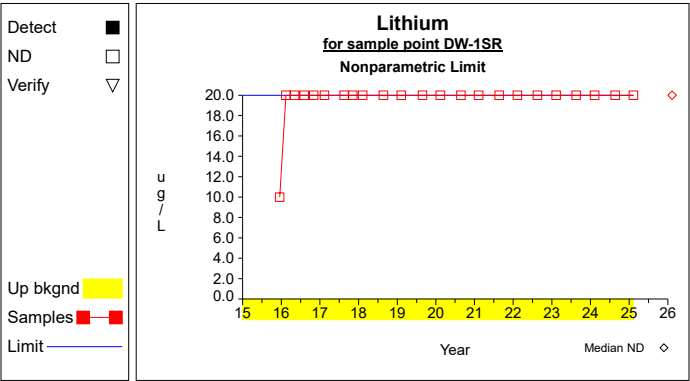


Graph 47

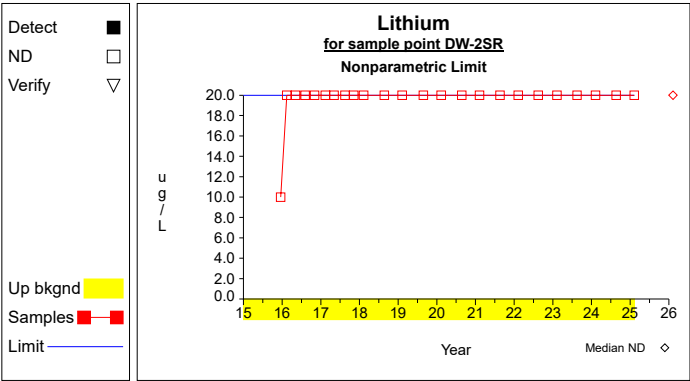


Graph 48

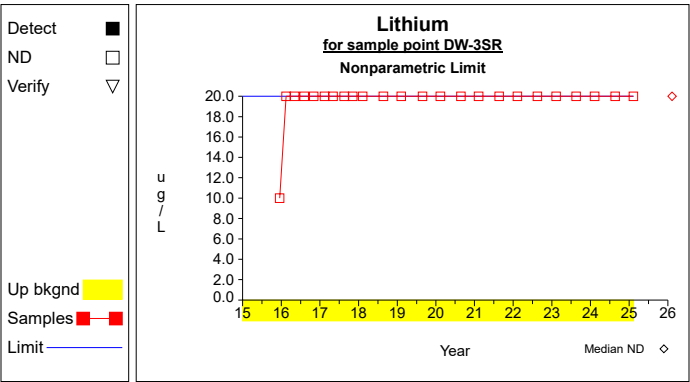
Up vs. Down Prediction Limits



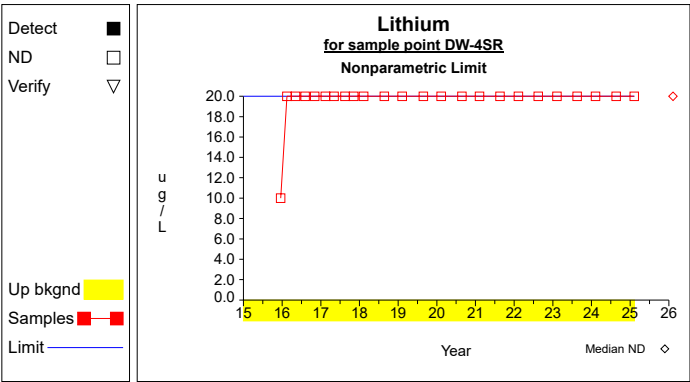
Graph 49



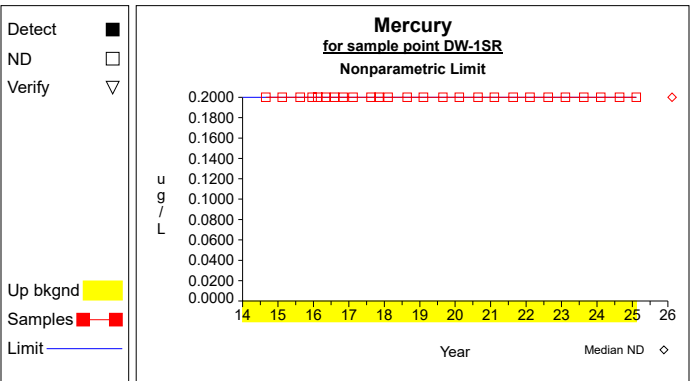
Graph 50



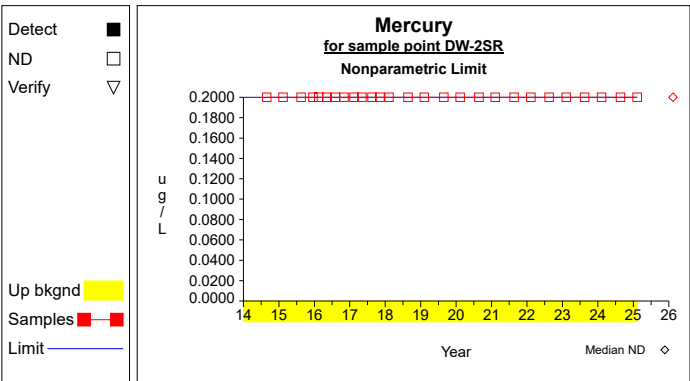
Graph 51



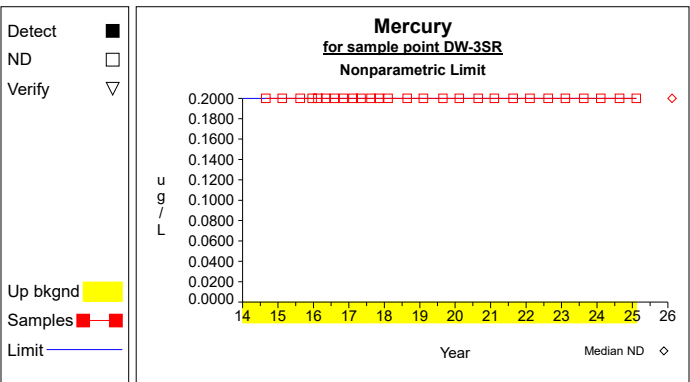
Graph 52



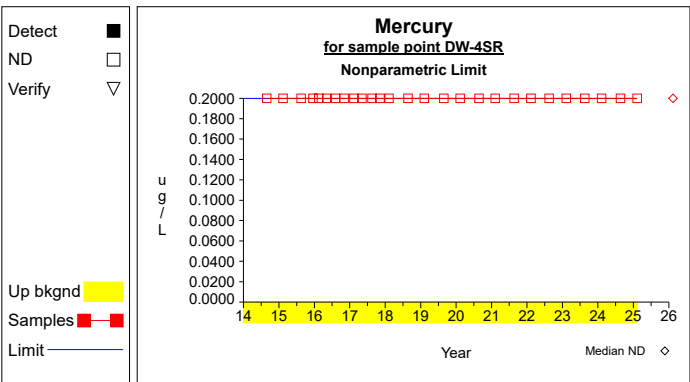
Graph 53



Graph 54

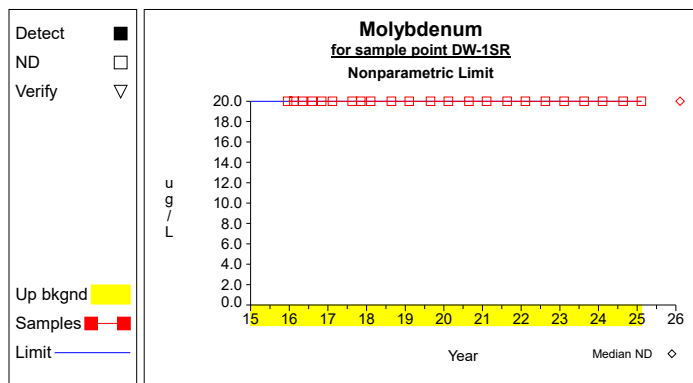


Graph 55

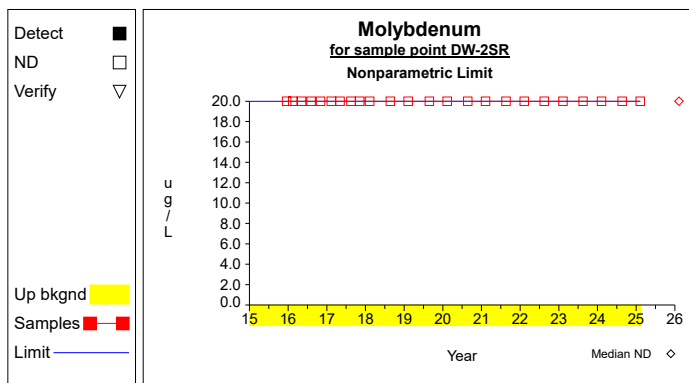


Graph 56

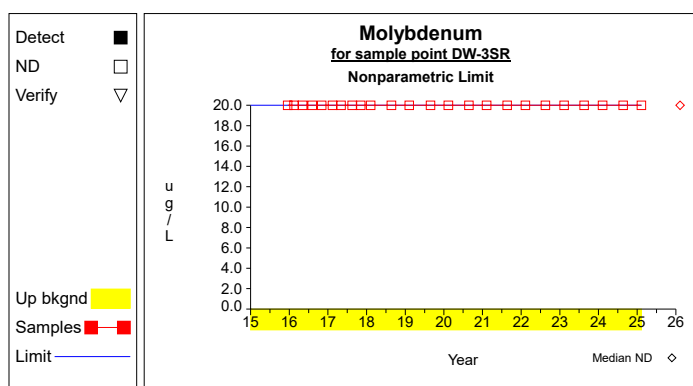
Up vs. Down Prediction Limits



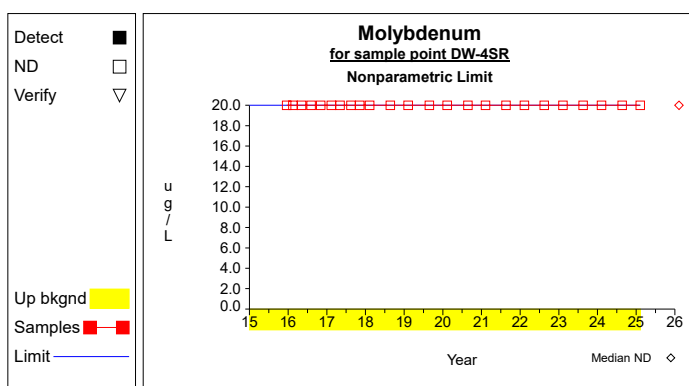
Graph 57



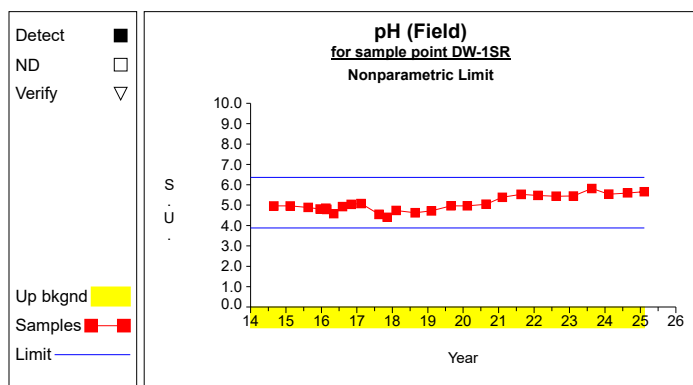
Graph 58



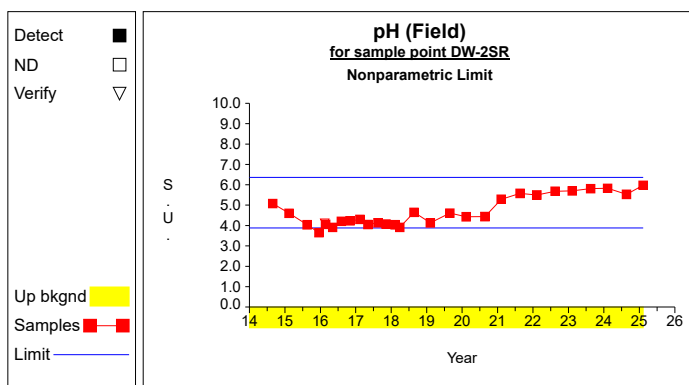
Graph 59



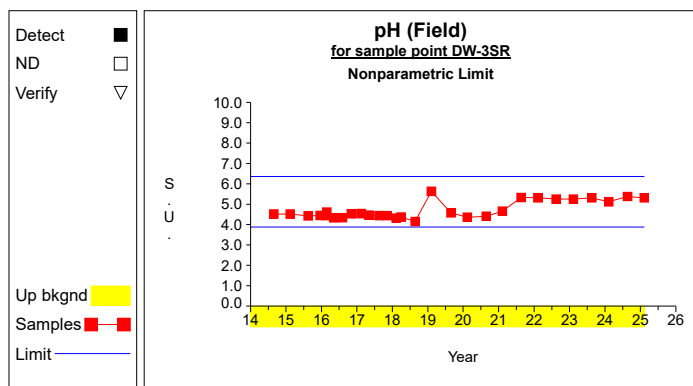
Graph 60



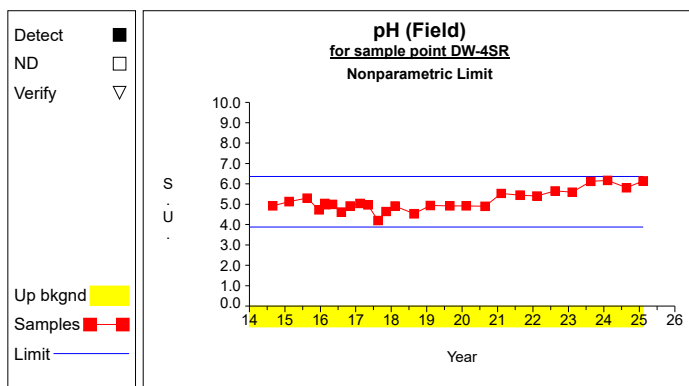
Graph 61



Graph 62

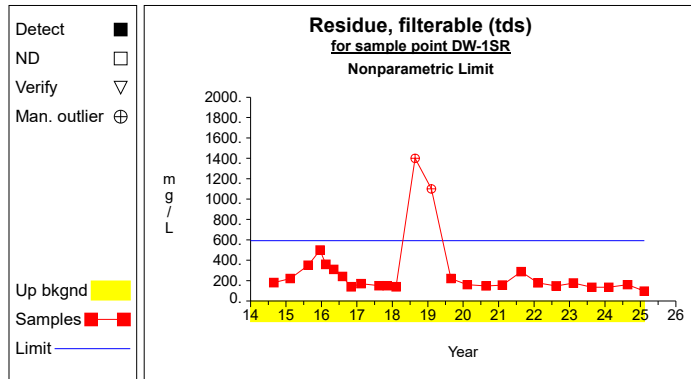


Graph 63

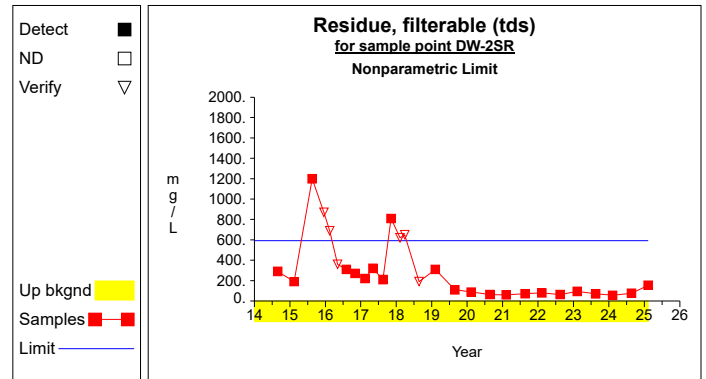


Graph 64

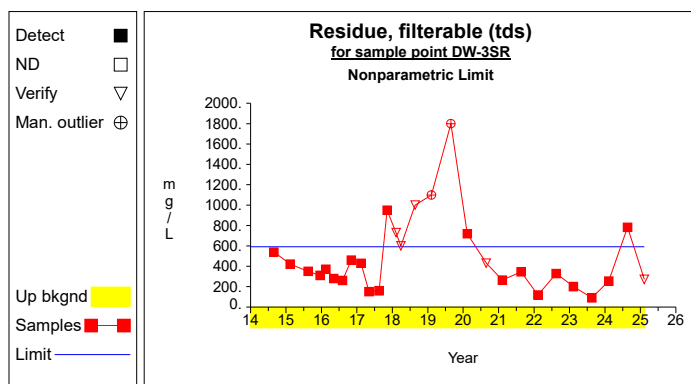
Up vs. Down Prediction Limits



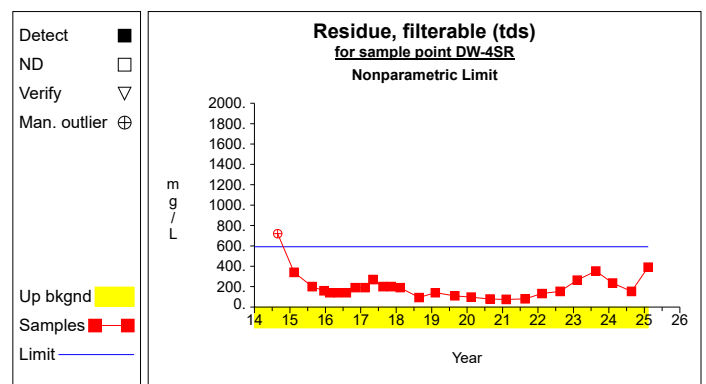
Graph 65



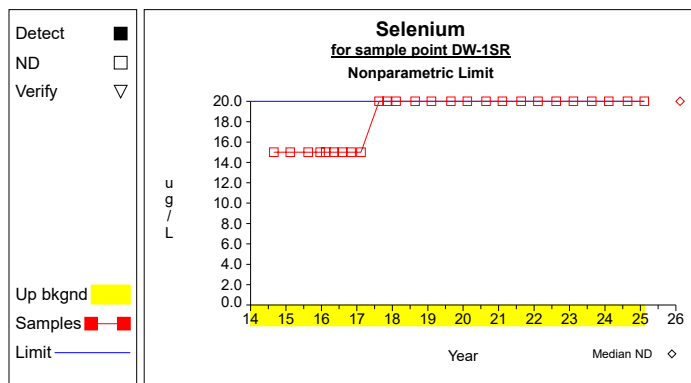
Graph 66



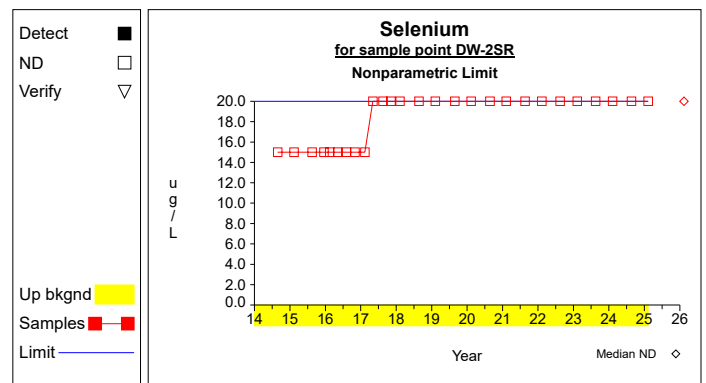
Graph 67



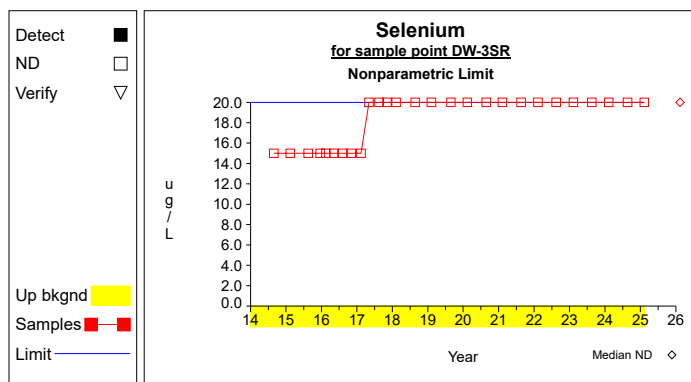
Graph 68



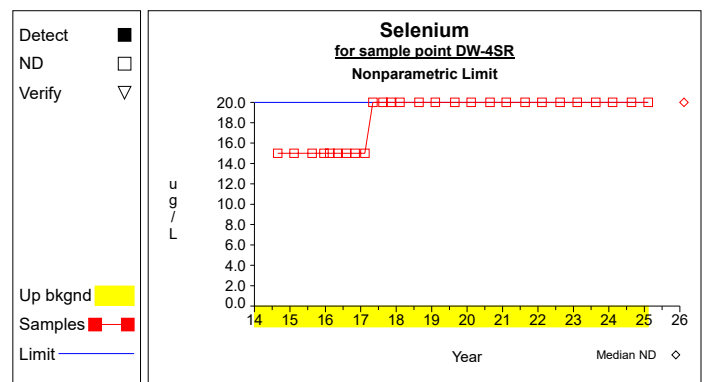
Graph 69



Graph 70

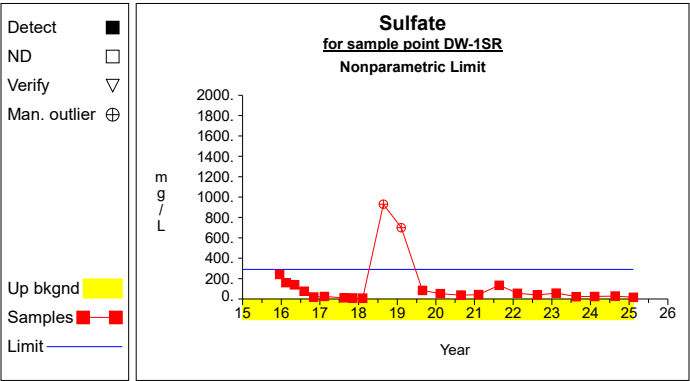


Graph 71

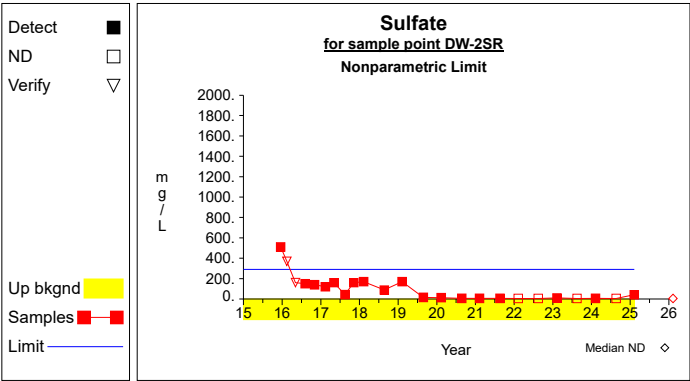


Graph 72

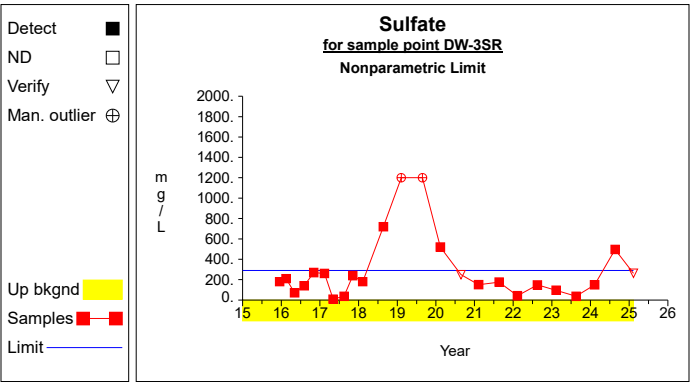
Up vs. Down Prediction Limits



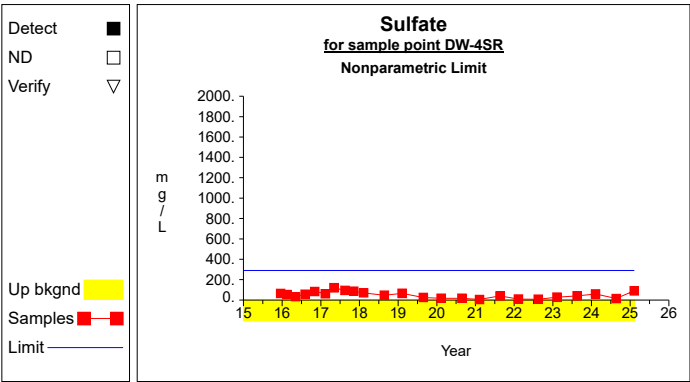
Graph 73



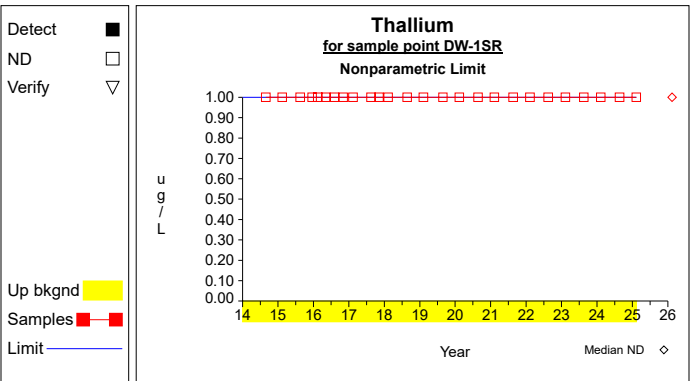
Graph 74



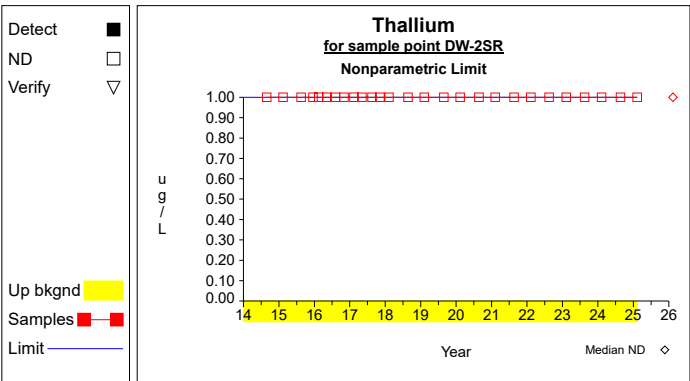
Graph 75



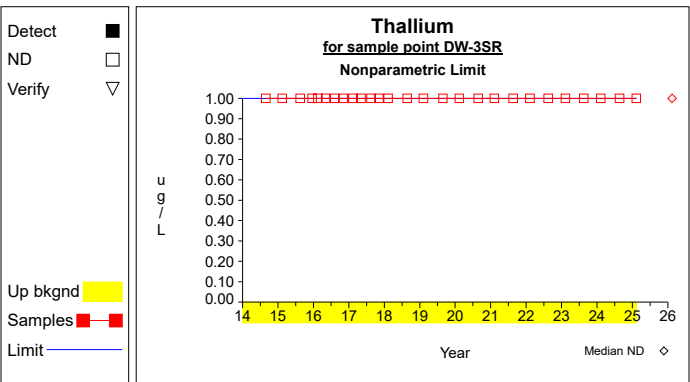
Graph 76



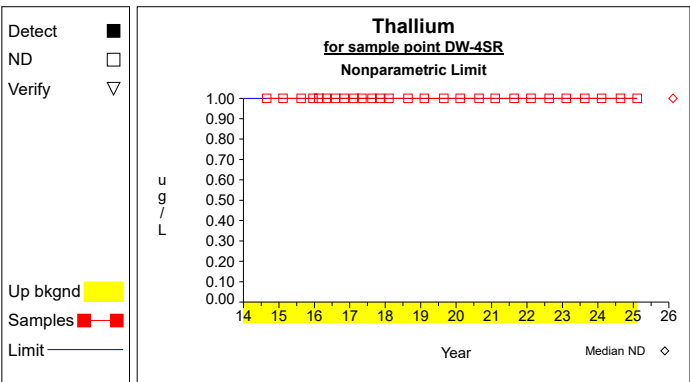
Graph 77



Graph 78

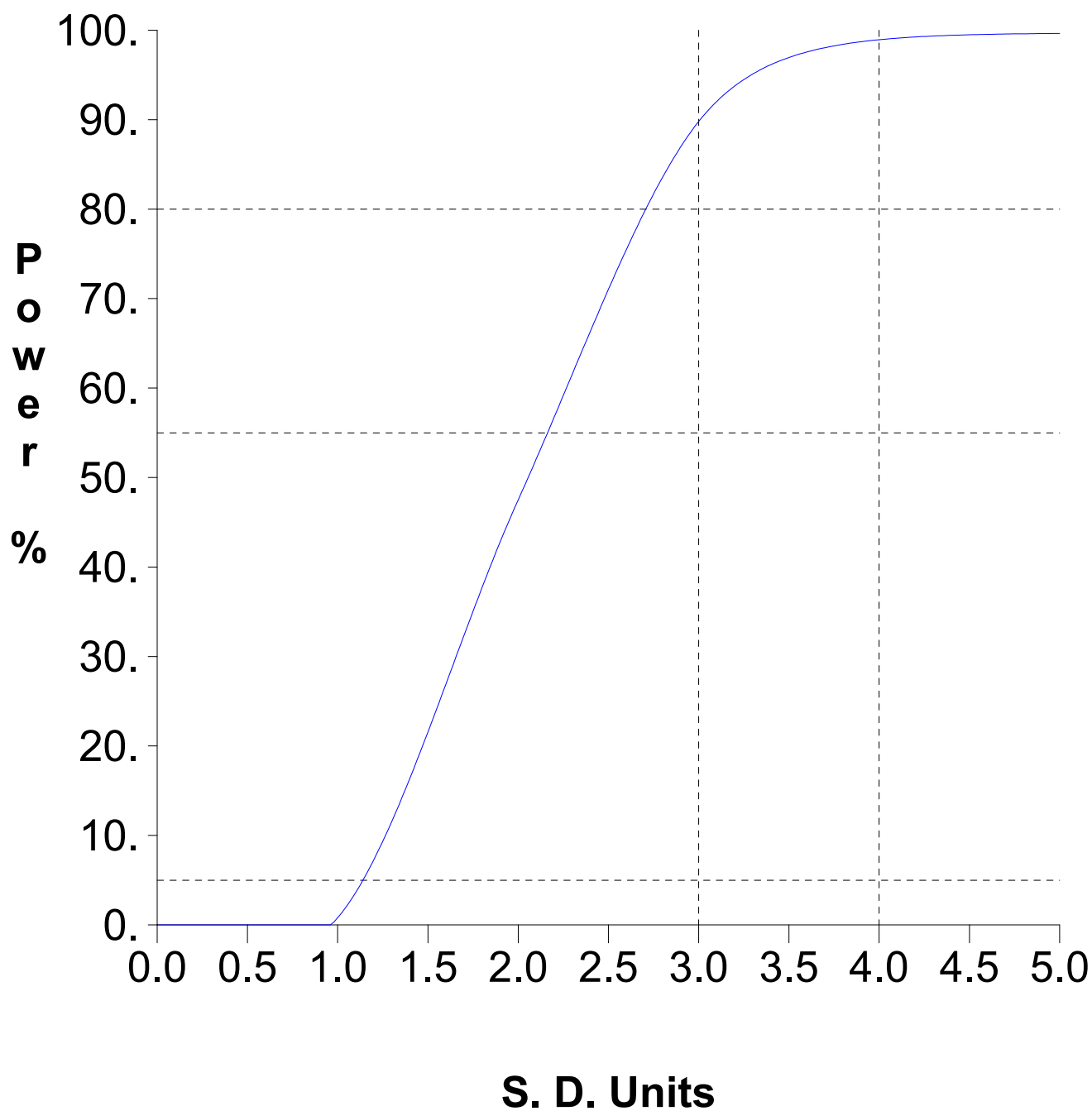


Graph 79



Graph 80

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Worksheet 1 - Upgradient vs. Downgradient Comparisons**Antimony (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Arsenic (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 7.8	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Barium (ug/L)****Lognormal Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$Y = \log_e(X)$	Transform to natural logarithmic scale.
2	$\bar{Y}_1 = \text{sum}[Y_1] / N_1$ $= 265.061 / 81$ $= 3.272$	Compute mean of N_1 detected log transformed measurements.
3	$S_{Y_1} = ((\text{sum}[Y_1^2] - \text{sum}[Y_1]^2 / N_1) / (N_1 - 1))^{1/2}$ $= ((904.865 - 70257.295 / 81) / (81 - 1))^{1/2}$ $= 0.685$	Compute sd of N_1 detected log transformed measurements.
4	$\bar{Y} = (1 - N_0/N) \bar{Y}_1$ $= (1 - 77/158) 3.272$ $= 1.678$	Use Aitchison's method to adjust mean for presence of nondetects (log scale).
5	$S_Y = [(1 - N_0/N) * S_{Y_1}^2 + (N_0/N) (1 - (N_0 - 1)/(N - 1)) \bar{Y}_1^2]^{1/2}$ $= [(1 - 77/158) * 0.685^2 + (77/158) (1 - (77 - 1)/(158 - 1)) 3.272^2]^{1/2}$ $= 1.712$	Use Aitchison's method to adjust sd for presence of nondetects (log scale).
6	$\alpha = \min[(1 - .95^{1/K})^{1/3}, .01]$ $= \min[(1 - .95^{1/80})^{1/3}, .01]$ $= 0.01$	Adjusted per comparison false positive rate. Pass initial or 1 of 2 resamples.
7	$PL = \exp[\bar{Y} + t S_Y (1 + 1/N)^{1/2}]$ $= \exp[1.678 + (2.35 * 1.712)(1 + 1/158)^{1/2}]$ $= 303.463$	One-sided lognormal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Beryllium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 1.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Boron (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 210.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Cadmium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Calcium (mg/L)****Lognormal Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$Y = \log_e(X)$	Transform to natural logarithmic scale.
2	$\bar{Y} = \text{sum}[Y] / N$ = 308.774 / 119 = 2.595	Compute mean on a natural log scale.
3	$S_Y = ((\text{sum}[Y^2] - \text{sum}[Y]^2/N) / (N-1))^{1/2}$ = (878.951 - 95341.214/119) / (119-1) ^{1/2} = 0.812	Compute sd on a natural log scale.
4	alpha = min[(1-.95 ^{1/K}) ^{1/3} , .01] = min[(1-.95 ^{1/80}) ^{1/3} , .01] = 0.01	Adjusted per comparison false positive rate. Pass initial or 1 of 2 resamples.
5	PL = exp[$\bar{Y} + tS_Y(1+1/N)^{1/2}$] = exp[2.595 + (2.358*0.812)(1+1/119) ^{1/2}] = 91.586	One-sided lognormal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Chloride (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 86.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Chromium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 10.5	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Cobalt (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Fluoride (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 0.59	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Lead (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Lithium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Mercury (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Molybdenum (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**pH (Field) (S.U.)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL_{(low)} = \min(X)$ $= 3.88$ $PL_{(high)} = \max(X)$ $= 6.36$	Compute nonparametric prediction interval as minimum and maximum measurements.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Residue, filterable (tds) (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ $= 591.0$	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Selenium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 20.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Sulfate (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ $= 290.0$	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Thallium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Attachment C

Summary Tables and Graphs for the Intrawell Comparisons

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	ug/L	DW-1SR	19	7	26			2.0000	2.0000			2.0000	nonpar	.99	**
Antimony	ug/L	DW-2SR	20	7	27			2.0000	2.0000			2.0000	nonpar	.99	**
Antimony	ug/L	DW-3SR	20	7	27			2.0000	2.0000			2.0000	nonpar	.99	**
Antimony	ug/L	DW-4SR	20	7	27			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic	ug/L	DW-1SR	19	7	26			5.0000	5.0000			5.0000	nonpar	.99	**
Arsenic	ug/L	DW-2SR	20	7	27			5.0000	5.0000			5.0000	nonpar	.99	**
Arsenic	ug/L	DW-3SR	20	7	27			5.0000	5.0000			5.0000	nonpar	.99	**
Arsenic	ug/L	DW-4SR	20	7	27			5.0000	5.0000			5.0000	nonpar	.99	**
Barium	ug/L	DW-1SR	19	7	26	17.7368	15.4195	10.0000	10.0000	17.7368	17.7368	94.8342	normal		
Barium	ug/L	DW-2SR	20	7	27	22.2000	17.0652	10.0000	10.0000	22.2000	22.2000	107.5260	normal		
Barium	ug/L	DW-3SR	20	7	27	28.0500	14.4567	28.0000	10.0000	28.0500	28.0500	100.3337	normal		
Barium	ug/L	DW-4SR	19	7	27	15.0526	5.8734	10.0000	10.0000	15.0526	15.0526	44.4197	normal		
Beryllium	ug/L	DW-1SR	19	7	26			1.0000	1.0000			1.0000	nonpar	.99	**
Beryllium	ug/L	DW-2SR	20	7	27			1.0000	1.0000			1.0000	nonpar	.99	**
Beryllium	ug/L	DW-3SR	20	7	27			1.0000	1.0000			1.0000	nonpar	.99	**
Beryllium	ug/L	DW-4SR	20	7	27			1.0000	1.0000			1.0000	nonpar	.99	**
Boron	ug/L	DW-1SR	14	7	23			100.0000	100.0000			280.0000	nonpar	.99	**
Boron	ug/L	DW-2SR	17	7	24	155.8824	74.2512	100.0000	100.0000	155.8824	155.8824	527.1382	normal		
Boron	ug/L	DW-3SR	17	7	24	141.7647	47.2011	100.0000	100.0000	141.7647	141.7647	377.7701	normal		
Boron	ug/L	DW-4SR	17	7	24			100.0000	100.0000			110.0000	nonpar	.99	**
Cadmium	ug/L	DW-1SR	19	7	26			5.0000	5.0000			5.0000	nonpar	.99	**
Cadmium	ug/L	DW-2SR	20	7	27			5.0000	5.0000			5.0000	nonpar	.99	**
Cadmium	ug/L	DW-3SR	20	7	27			5.0000	5.0000			5.0000	nonpar	.99	**
Cadmium	ug/L	DW-4SR	20	7	27			5.0000	5.0000			5.0000	nonpar	.99	**
Calcium	mg/L	DW-1SR	14	7	23	25.6214	16.9194	26.1000	15.8000	25.6214	25.6214	110.2183	normal		
Calcium	mg/L	DW-2SR	17	7	24	42.2665	35.6132	16.3000	23.7000	42.2665	42.2665	220.3327	normal		
Calcium	mg/L	DW-3SR	16	7	25	101.9125	79.9560	197.0000	66.0000	137.0330	101.9125	501.6926	normal		
Calcium	mg/L	DW-4SR	17	7	24	17.7465	7.8604	23.7000	107.0000	54.9795	138.3378	57.0483	normal		
Chloride	mg/L	DW-1SR	19	7	26	9.6337	10.9882	4.5900	3.0000	9.6337	9.6337	64.5747	normal		
Chloride	mg/L	DW-2SR	18	7	28	15.4911	19.6824	3.0000	4.4400	15.4911	15.4911	113.9030	normal		
Chloride	mg/L	DW-3SR	18	7	28	8.8644	7.1744	3.0000	4.6900	8.8644	8.8644	44.7367	normal		
Chloride	mg/L	DW-4SR	19	7	27	4.0342	1.2951	6.3000	8.1800	5.3287	8.5031	10.5097	normal		
Chromium	ug/L	DW-1SR	19	7	26			10.0000	10.0000			10.0000	nonpar	.99	**
Chromium	ug/L	DW-2SR	20	7	27			10.0000	10.0000			10.0000	nonpar	.99	**
Chromium	ug/L	DW-3SR	20	7	27			10.0000	10.0000			10.0000	nonpar	.99	**
Chromium	ug/L	DW-4SR	20	7	27			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-1SR	19	7	26			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-2SR	20	7	27			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-3SR	20	7	27			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-4SR	20	7	27			10.0000	10.0000			10.0000	nonpar	.99	**
Fluoride	mg/L	DW-1SR	15	7	23			0.5000	0.5000			0.5000	nonpar	.99	**
Fluoride	mg/L	DW-2SR	17	7	24			0.5000	0.5000			0.5300	nonpar	.99	**
Fluoride	mg/L	DW-3SR	17	7	24			0.5000	0.5000			0.6700	nonpar	.99	**
Fluoride	mg/L	DW-4SR	17	7	24			0.5000	0.5000			0.5000	nonpar	.99	**
Lead	ug/L	DW-1SR	19	7	26			9.0000	9.0000			9.0000	nonpar	.99	**
Lead	ug/L	DW-2SR	20	7	27			9.0000	9.0000			9.0000	nonpar	.99	**

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.

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	
Lead	ug/L	DW-3SR	20	7	27			9.0000	9.0000			9.0000	nonpar	.99	**
Lead	ug/L	DW-4SR	20	7	27			9.0000	9.0000			9.0000	nonpar	.99	**
Lithium	ug/L	DW-1SR	16	7	23			20.0000	20.0000			20.0000	nonpar	.99	**
Lithium	ug/L	DW-2SR	17	7	24			20.0000	20.0000			20.0000	nonpar	.99	**
Lithium	ug/L	DW-3SR	17	7	24			20.0000	20.0000			20.0000	nonpar	.99	**
Lithium	ug/L	DW-4SR	17	7	24			20.0000	20.0000			20.0000	nonpar	.99	**
Mercury	ug/L	DW-1SR	19	7	26			0.2000	0.2000			0.2000	nonpar	.99	**
Mercury	ug/L	DW-2SR	20	7	27			0.2000	0.2000			0.2000	nonpar	.99	**
Mercury	ug/L	DW-3SR	20	7	27			0.2000	0.2000			0.2000	nonpar	.99	**
Mercury	ug/L	DW-4SR	20	7	27			0.2000	0.2000			0.2000	nonpar	.99	**
Molybdenum	ug/L	DW-1SR	16	7	23			20.0000	20.0000			20.0000	nonpar	.99	**
Molybdenum	ug/L	DW-2SR	17	7	24			20.0000	20.0000			20.0000	nonpar	.99	**
Molybdenum	ug/L	DW-3SR	17	7	24			20.0000	20.0000			20.0000	nonpar	.99	**
Molybdenum	ug/L	DW-4SR	17	7	24			20.0000	20.0000			20.0000	nonpar	.99	**
pH (Field)	S.U.	DW-1SR	20	7	27	4.8925	0.2663	5.6000	5.6600	6.4937	6.5537	3.56 - 6.22	normal		
pH (Field)	S.U.	DW-2SR	22	7	29	4.3423	0.4716	5.5300	5.9800	6.9643	7.4143	1.98 - 6.70	normal		
pH (Field)	S.U.	DW-3SR	22	7	29	4.5391	0.3276	5.3800	5.3100	6.6000	6.5300	2.90 - 6.18	normal		
pH (Field)	S.U.	DW-4SR	21	7	28	4.9305	0.2962	5.8100	6.1400	6.7700	7.1000	3.45 - 6.41	normal		
Residue, filterable (tds)	mg/L	DW-1SR	17	7	26	228.2941	102.0305	160.0000	96.0000	228.2941	228.2941	738.4466	normal		
Residue, filterable (tds)	mg/L	DW-2SR	21	7	28	376.2857	311.5240	76.0000	154.0000	376.2857	376.2857	1933.9058	normal		
Residue, filterable (tds)	mg/L	DW-3SR	19	7	28	461.5789	242.0014	783.0000	271.0000	601.4989	461.5789	1671.5862	normal		
Residue, filterable (tds)	mg/L	DW-4SR	19	7	27	159.6842	68.6141	153.0000	391.0000	321.1051	500.9603	502.7547	normal		
Selenium	ug/L	DW-1SR	19	7	26			20.0000	20.0000			20.0000	nonpar	.99	**
Selenium	ug/L	DW-2SR	20	7	27			20.0000	20.0000			20.0000	nonpar	.99	**
Selenium	ug/L	DW-3SR	20	7	27			20.0000	20.0000			20.0000	nonpar	.99	**
Selenium	ug/L	DW-4SR	20	7	27			20.0000	20.0000			20.0000	nonpar	.99	**
Sulfate	mg/L	DW-1SR	14	7	23	74.1714	70.0196	28.8000	16.6000	74.1714	74.1714	424.2696	normal		
Sulfate	mg/L	DW-2SR	17	7	24	134.5541	134.7262	5.0000	41.3000	134.5541	134.5541	808.1853	normal		
Sulfate	mg/L	DW-3SR	13	7	24	258.8462	174.2612	496.0000	262.0000	365.3041	258.8462	1130.1523	normal		
Sulfate	mg/L	DW-4SR	17	7	24	55.2588	30.7370	14.8000	90.5000	55.2588	67.4472	208.9440	normal		
Thallium	ug/L	DW-1SR	19	7	26			1.0000	1.0000			1.0000	nonpar	.99	**
Thallium	ug/L	DW-2SR	20	7	27			1.0000	1.0000			1.0000	nonpar	.99	**
Thallium	ug/L	DW-3SR	20	7	27			1.0000	1.0000			1.0000	nonpar	.99	**
Thallium	ug/L	DW-4SR	20	7	27			1.0000	1.0000			1.0000	nonpar	.99	**

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.

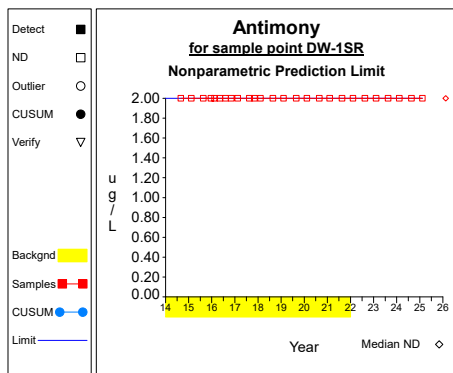
Conf = confidence level for passing initial test or one of two verification resamples (nonparametric test only).

* - Insufficient Data.

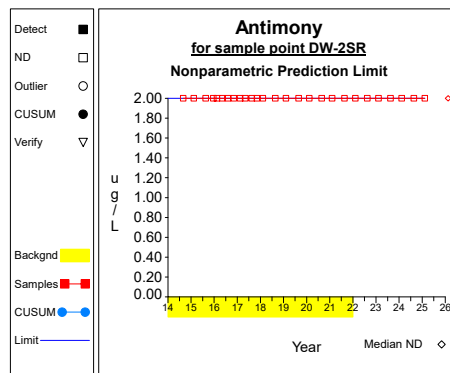
** - Detection Frequency < 25%.

*** - Zero Variance.

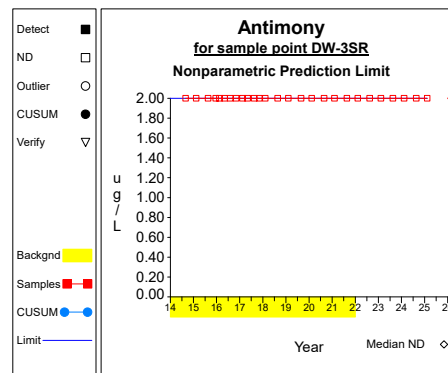
Intra-Well Control Charts / Prediction Limits



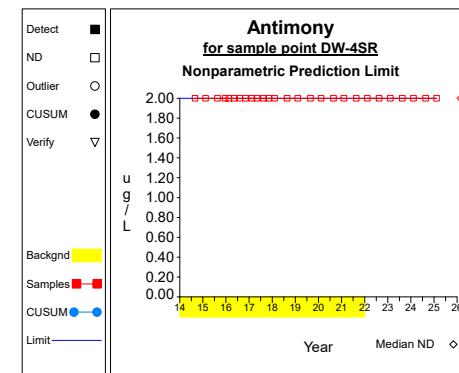
Graph 1



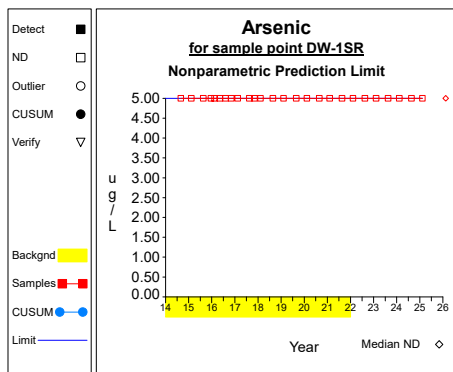
Graph 2



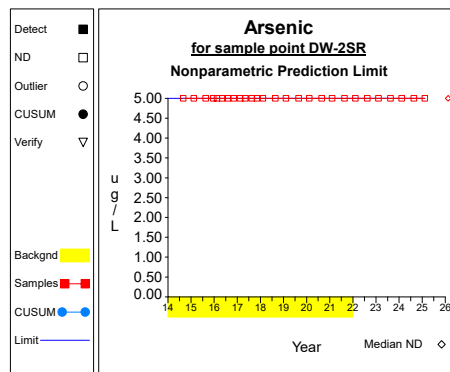
Graph 3



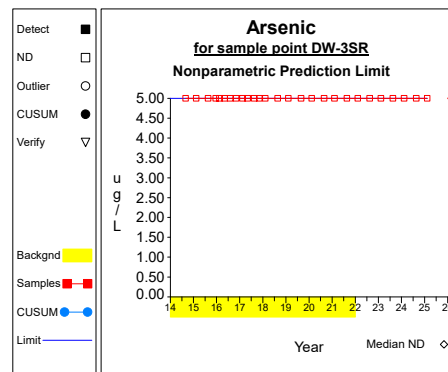
Graph 4



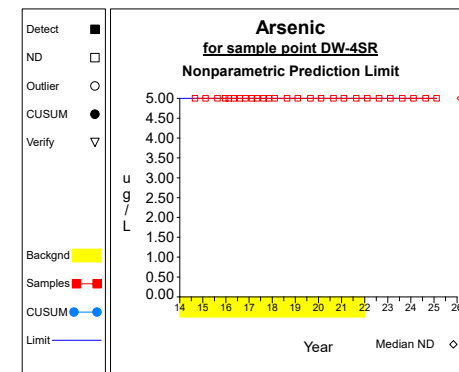
Graph 5



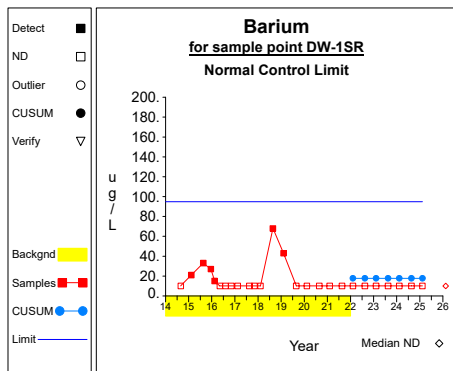
Graph 6



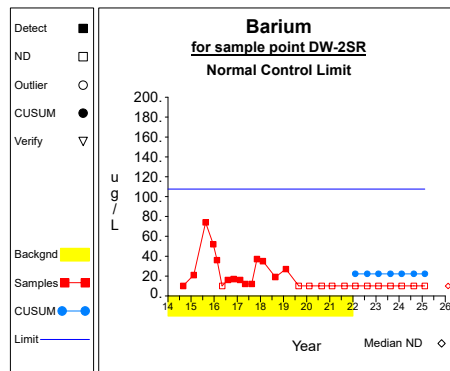
Graph 7



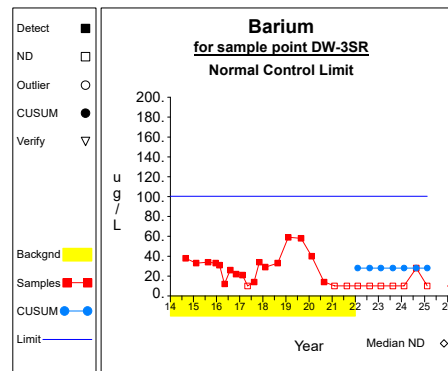
Graph 8



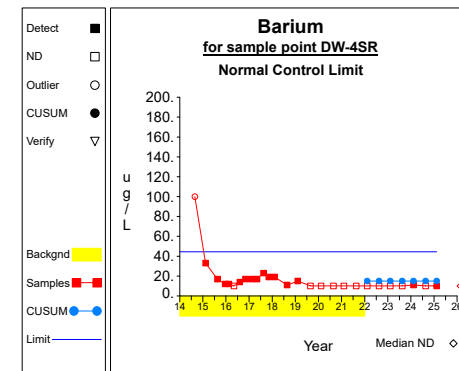
Graph 9



Graph 10

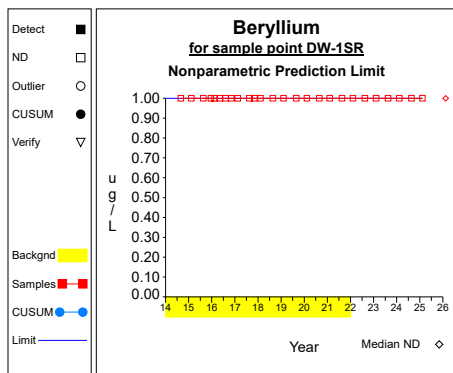


Graph 11

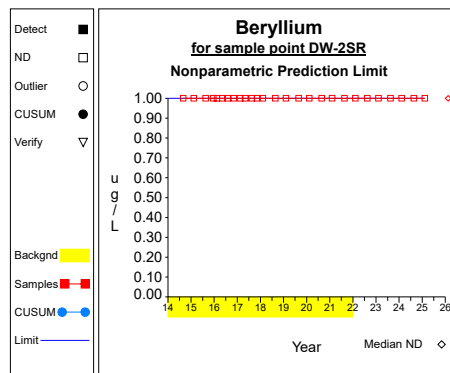


Graph 12

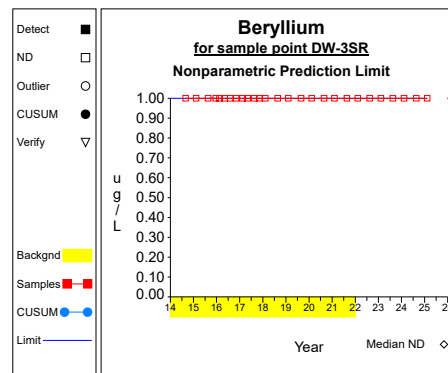
Intra-Well Control Charts / Prediction Limits



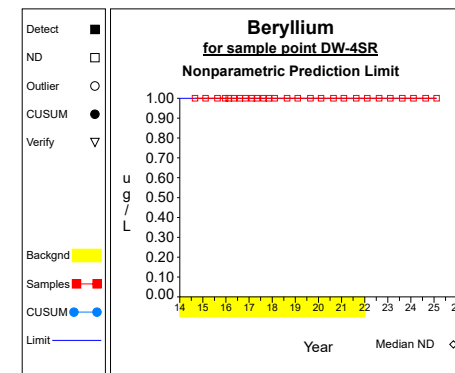
Graph 13



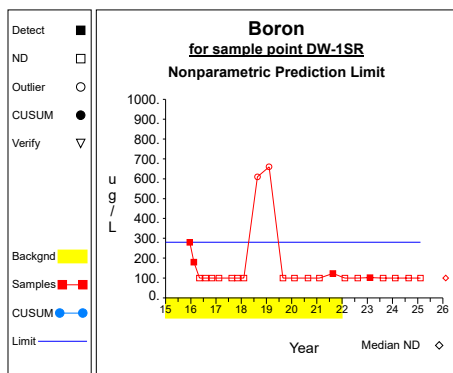
Graph 14



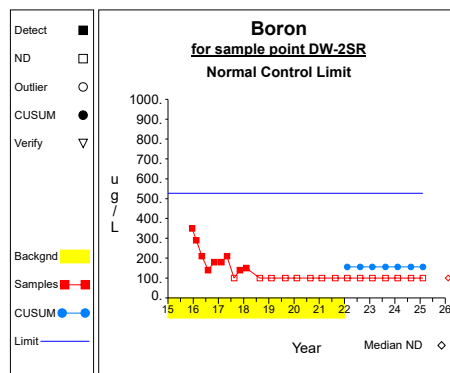
Graph 15



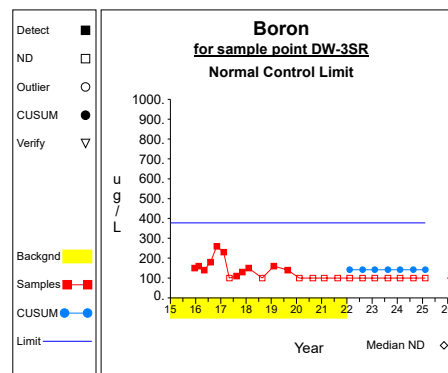
Graph 16



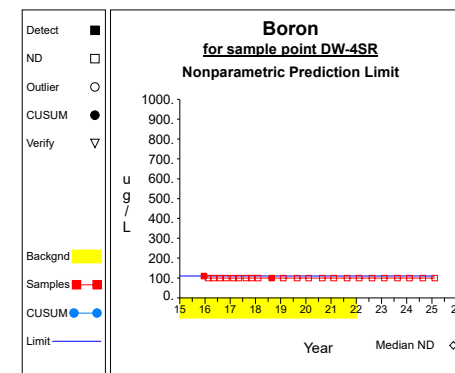
Graph 17



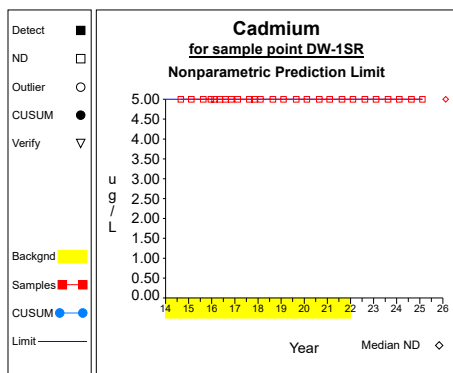
Graph 18



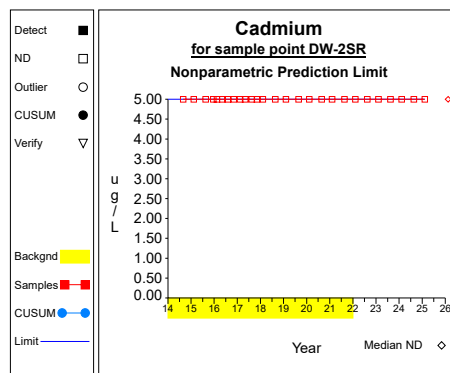
Graph 19



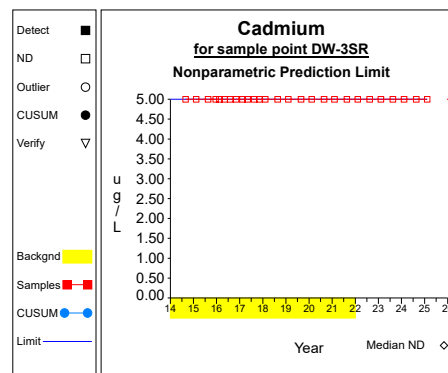
Graph 20



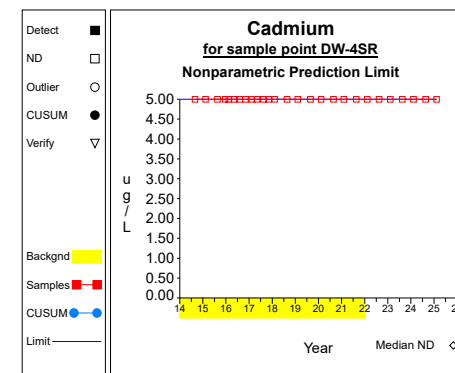
Graph 21



Graph 22

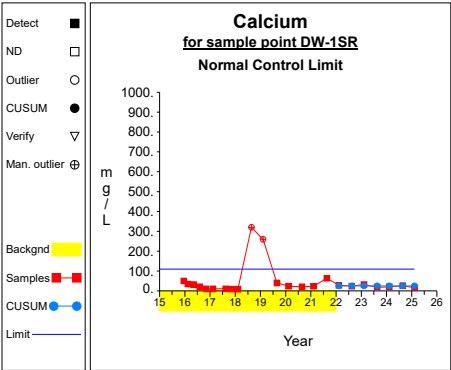


Graph 23

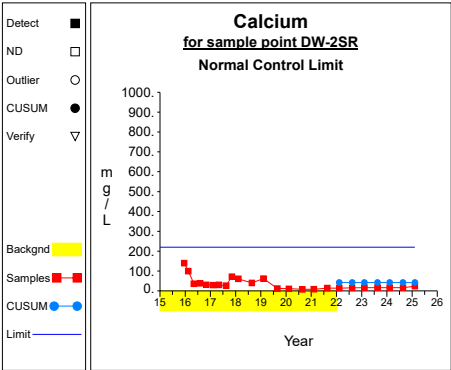


Graph 24

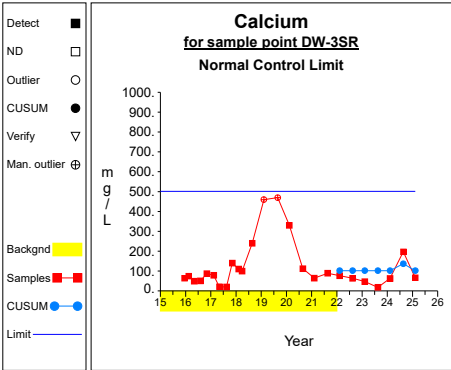
Intra-Well Control Charts / Prediction Limits



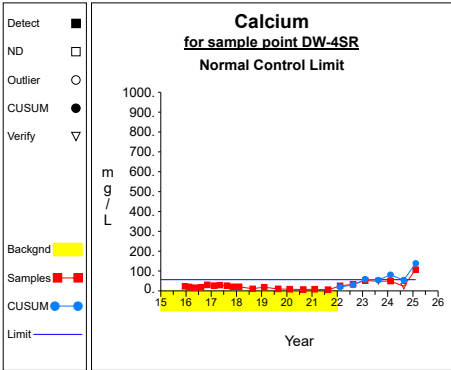
Graph 25



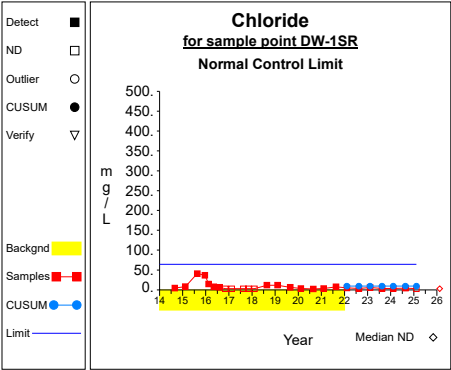
Graph 26



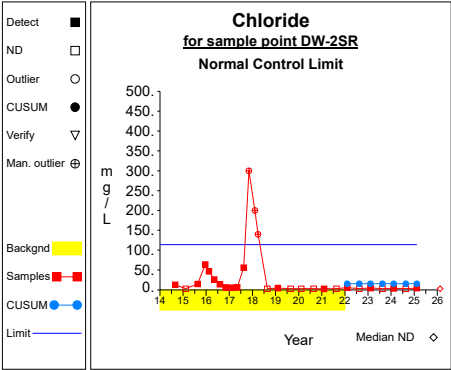
Graph 27



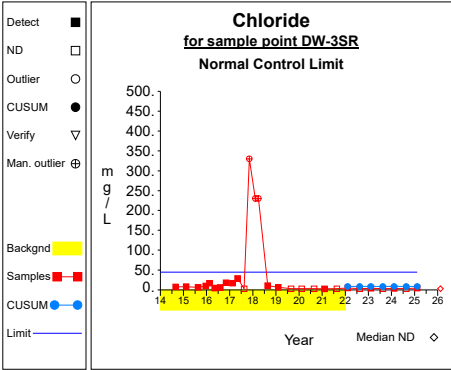
Graph 28



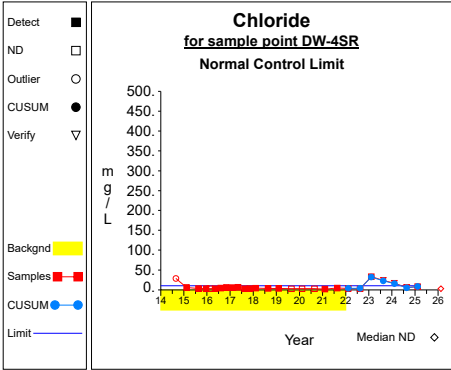
Graph 29



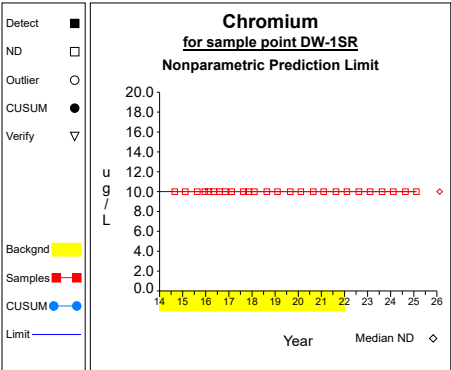
Graph 30



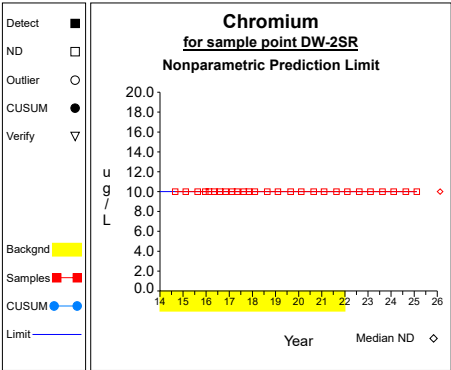
Graph 31



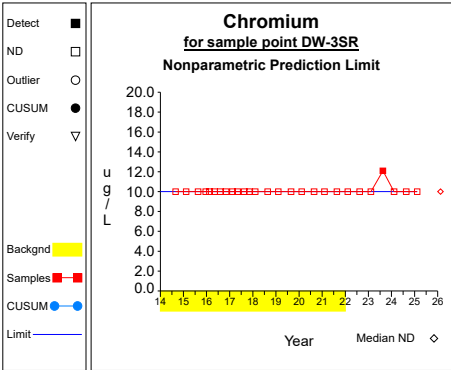
Graph 32



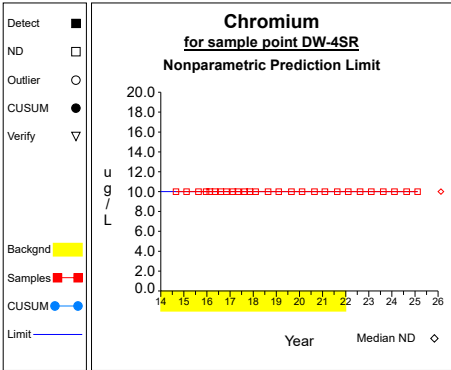
Graph 33



Graph 34

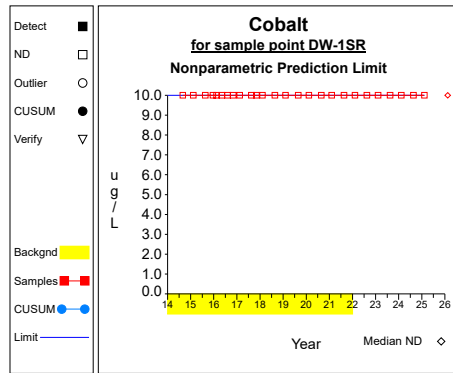


Graph 35

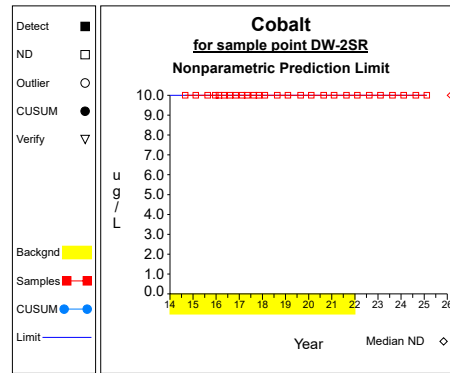


Graph 36

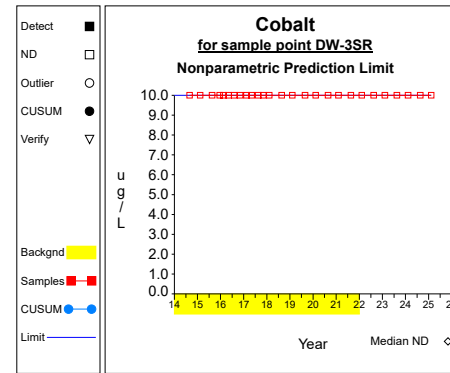
Intra-Well Control Charts / Prediction Limits



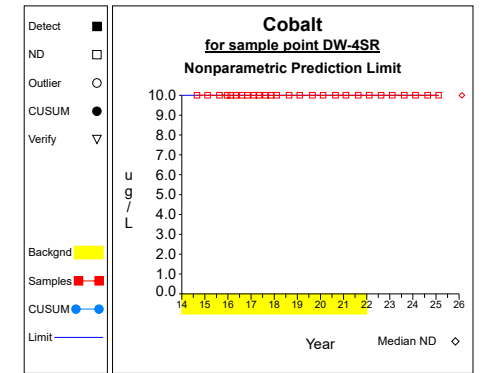
Graph 37



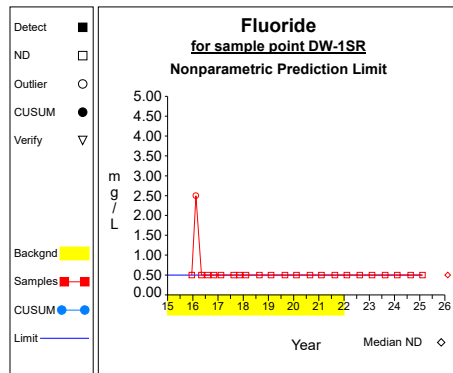
Graph 38



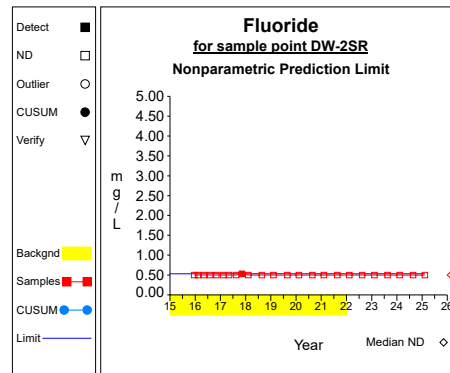
Graph 39



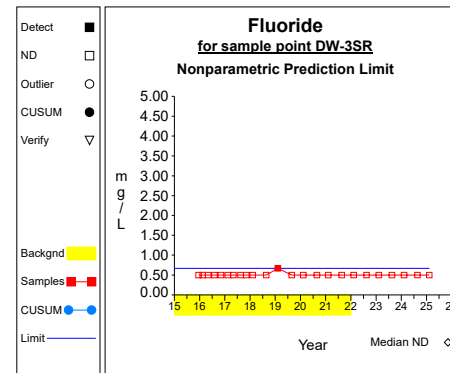
Graph 40



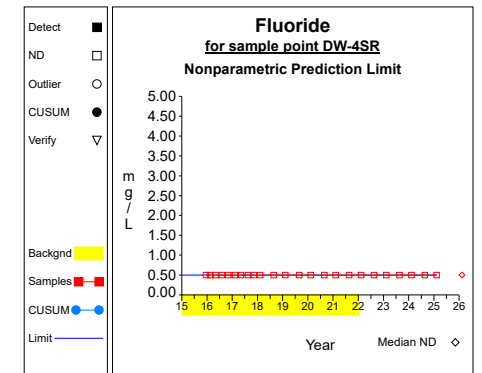
Graph 41



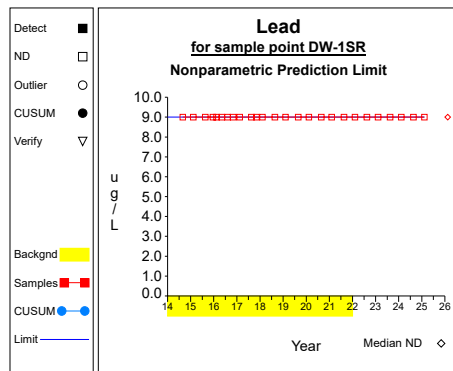
Graph 42



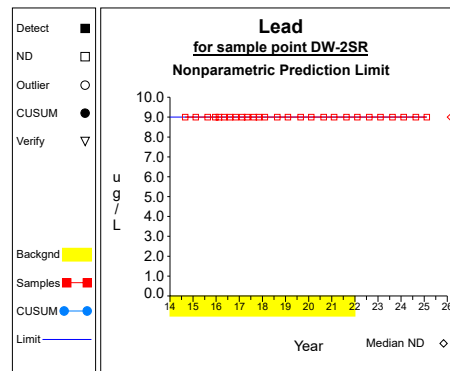
Graph 43



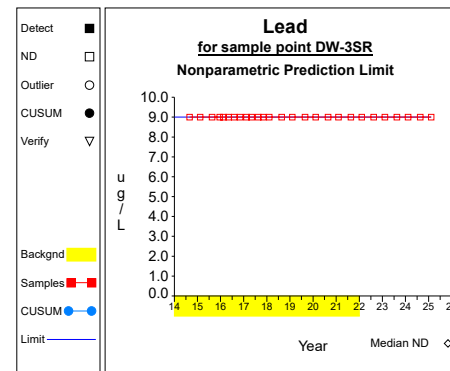
Graph 44



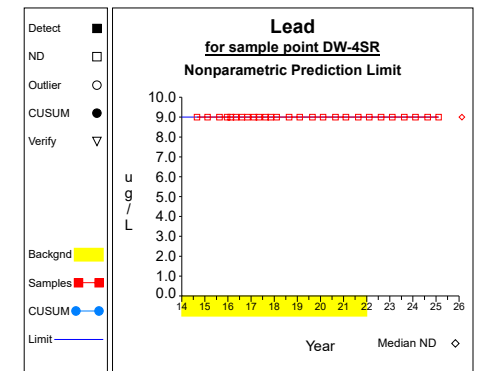
Graph 45



Graph 46

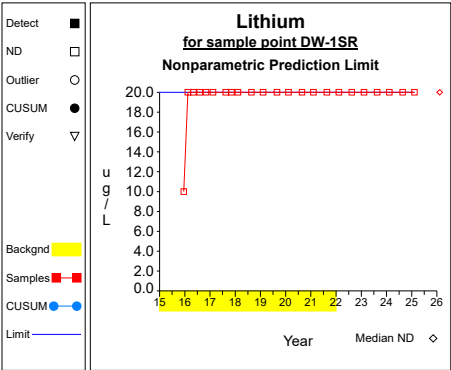


Graph 47

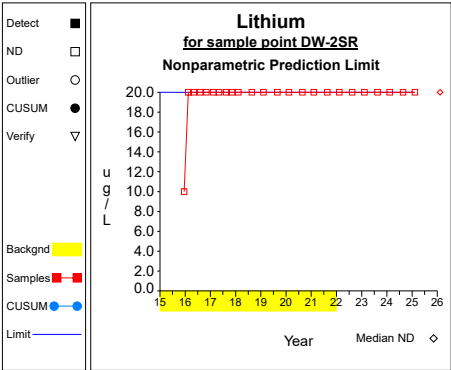


Graph 48

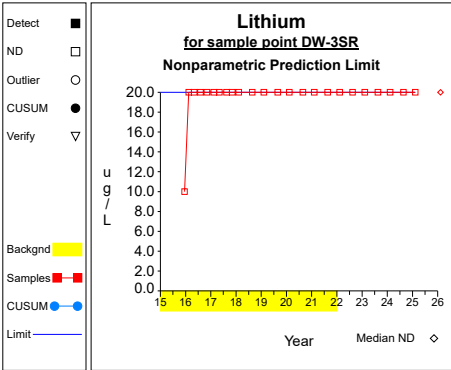
Intra-Well Control Charts / Prediction Limits



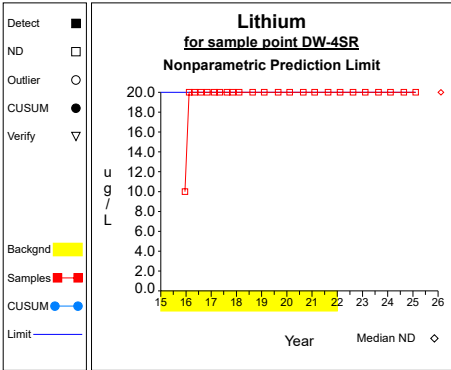
Graph 49



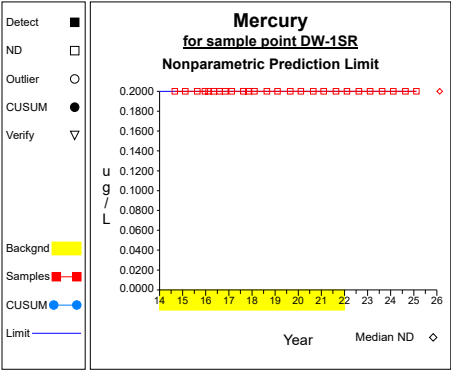
Graph 50



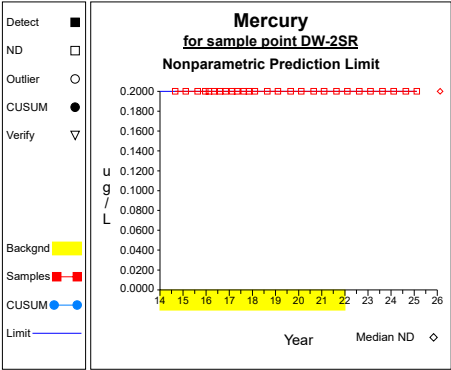
Graph 51



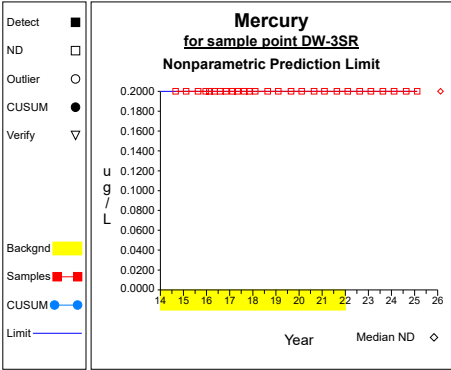
Graph 52



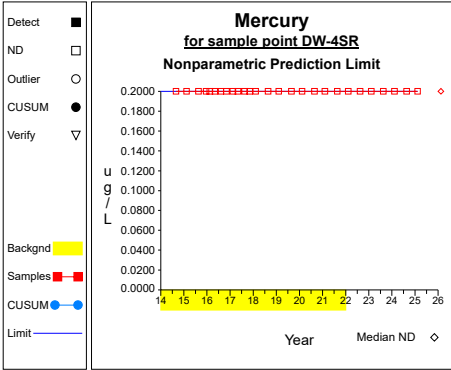
Graph 53



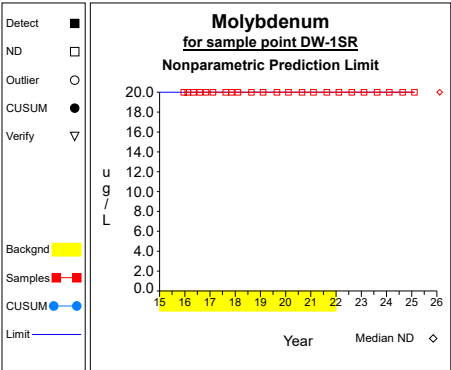
Graph 54



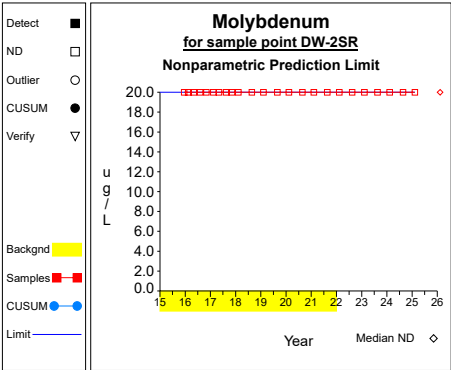
Graph 55



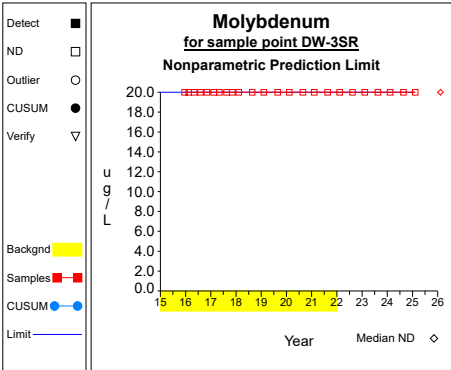
Graph 56



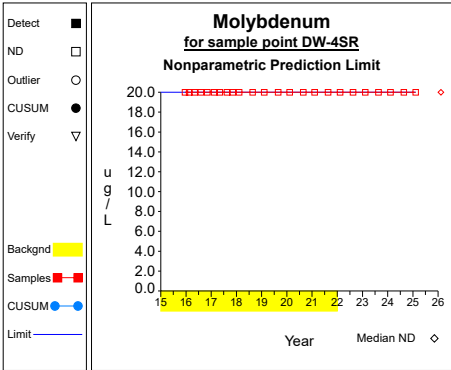
Graph 57



Graph 58

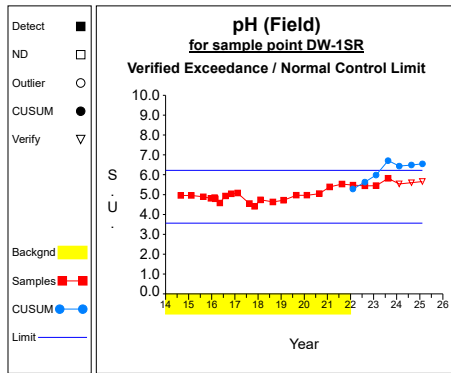


Graph 59

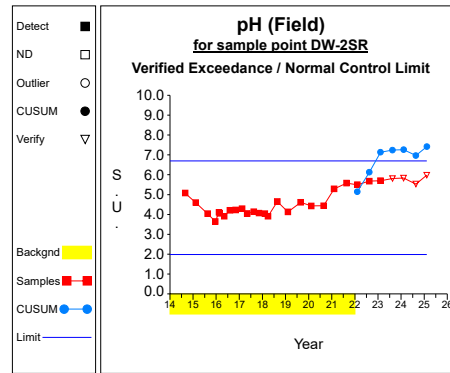


Graph 60

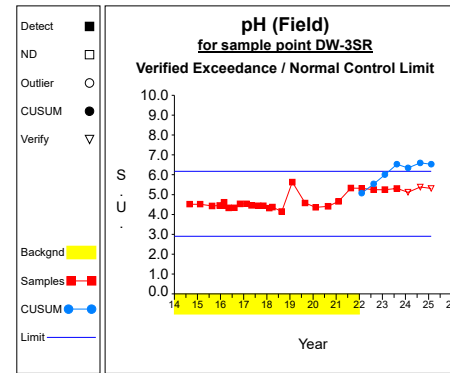
Intra-Well Control Charts / Prediction Limits



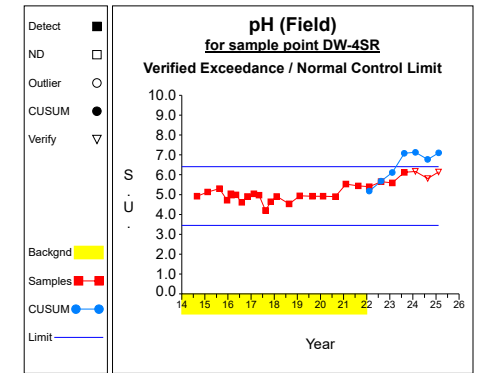
Graph 61



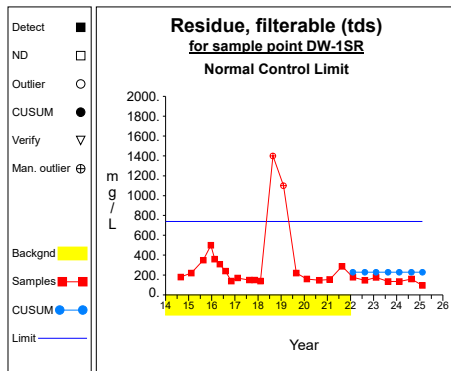
Graph 62



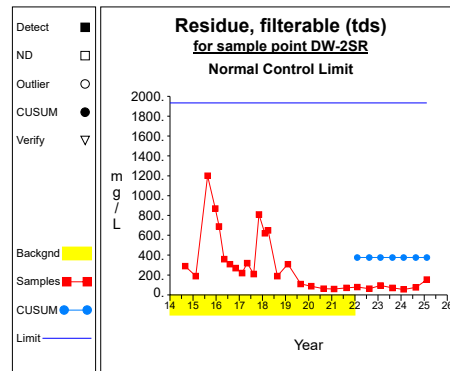
Graph 63



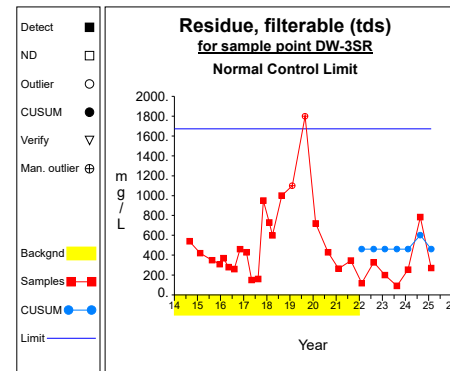
Graph 64



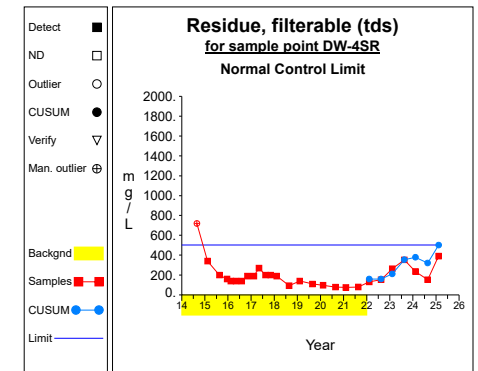
Graph 65



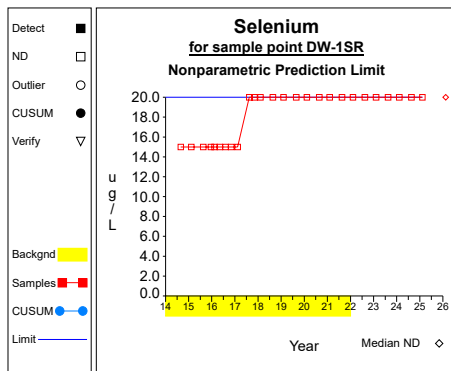
Graph 66



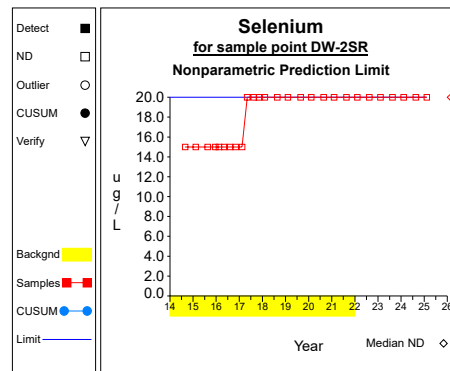
Graph 67



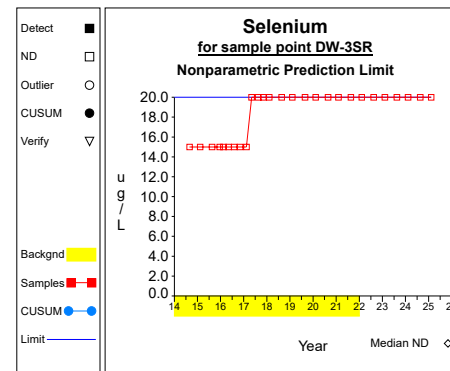
Graph 68



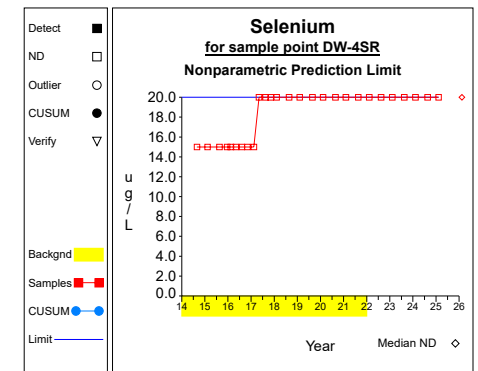
Graph 69



Graph 70

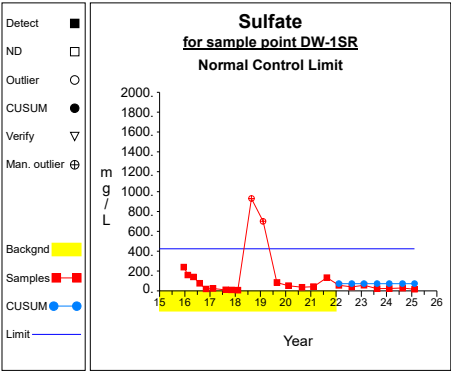


Graph 71

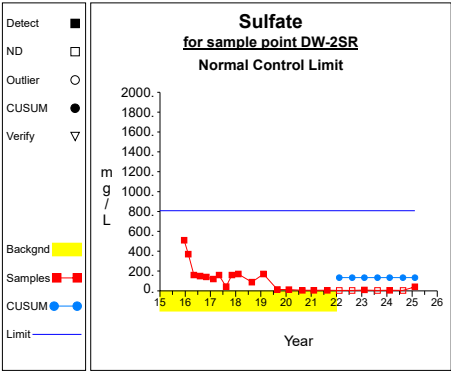


Graph 72

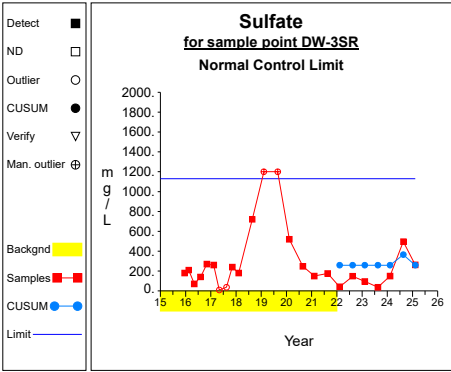
Intra-Well Control Charts / Prediction Limits



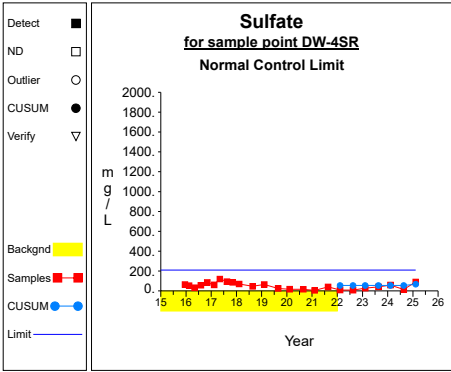
Graph 73



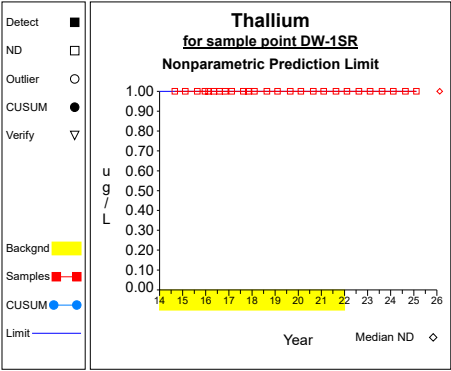
Graph 74



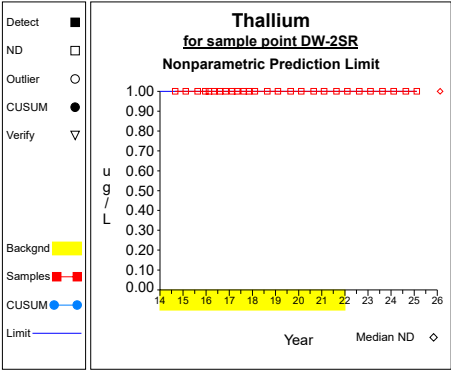
Graph 75



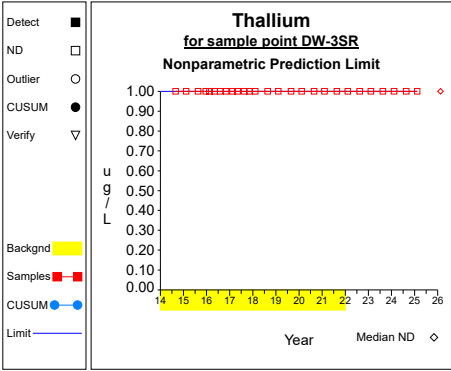
Graph 76



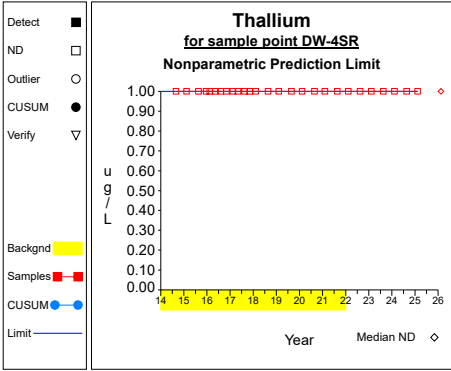
Graph 77



Graph 78

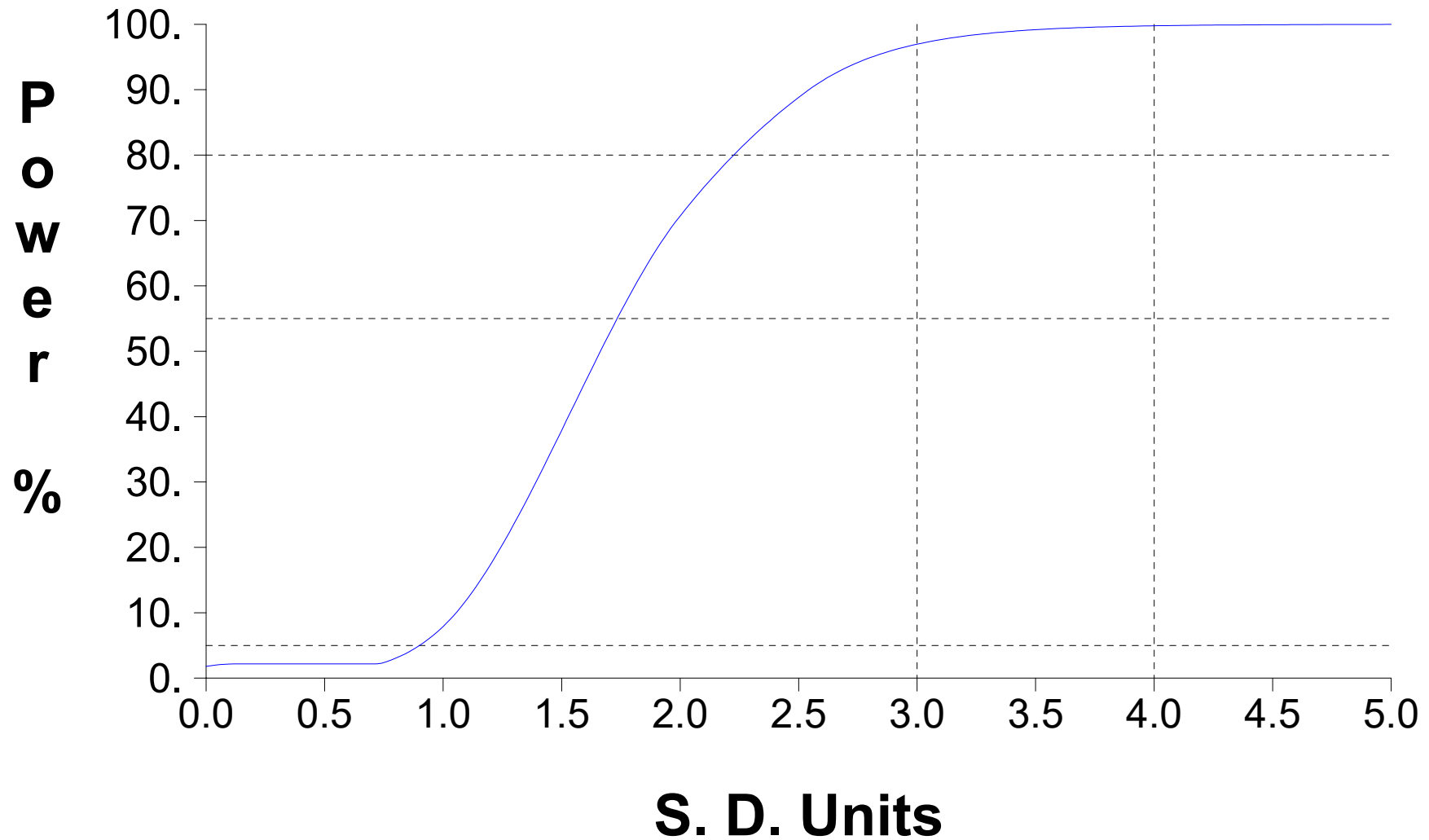


Graph 79



Graph 80

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



Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 337.0 / 19$ $= 17.737$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((10257.0 - 113569.0/19) / (19-1) \right)^{1/2}$ $= 15.419$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 17.737 + 5.0 * 15.419$ $= 94.834$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = 0.0$	Sen's estimator of trend.
6	$\text{var}(S) = 548.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 548.333^{1/2}) / 2$ $= 58.267$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -1.616$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 444.0 / 20$ $= 22.2$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((15390.0 - 197136.0/20) / (20-1) \right)^{1/2}$ $= 17.065$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 22.2 + 5.0 * 17.065$ $= 107.526$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 20 * (20-1) / 2$ $= 190$	Number of sample pairs during trend detection period.
5	$S = -1.702$	Sen's estimator of trend.
6	$\text{var}(S) = 903.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (190 - 2.326 * 903.667^{1/2}) / 2$ $= 60.039$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -7.752$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 561.0 / 20$ $= 28.05$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((19707.0 - 314721.0/20) / (20-1) \right)^{1/2}$ $= 14.457$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 28.05 + 5.0 * 14.457$ $= 100.334$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 20 * (20-1) / 2$ $= 190$	Number of sample pairs during trend detection period.
5	$S = -1.999$	Sen's estimator of trend.
6	$\text{var}(S) = 940.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (190 - 2.326 * 940.667^{1/2}) / 2$ $= 59.33$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -5.996$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 286.0 / 19$ $= 15.053$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((4926.0 - 81796.0/19) / (19-1))^{1/2}$ $= 5.873$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 15.053 + 5.0 * 5.873$ $= 44.42$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -0.793$	Sen's estimator of trend.
6	$\text{var}(S) = 778.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 778.0^{1/2}) / 2$ $= 53.061$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -2.749$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 1.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 280.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 2650.0 / 17$ $= 155.882$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((501300.0 - 7.02 \times 10^6 / 17) / (17-1))^{1/2}$ $= 74.251$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 155.882 + 5.0 * 74.251$ $= 527.138$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -26.142$	Sen's estimator of trend.
6	$\text{var}(S) = 521.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 521.0^{1/2}) / 2$ $= 41.454$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -48.247$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 2410.0 / 17$ $= 141.765$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((377300.0 - 5.81 \times 10^6 / 17) / (17-1))^{1/2}$ $= 47.201$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 141.765 + 5.0 * 47.201$ $= 377.77$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -10.633$	Sen's estimator of trend.
6	$\text{var}(S) = 558.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 558.0^{1/2}) / 2$ $= 40.528$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -28.135$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ $= 110.0$	Compute nonparametric prediction limit as largest background measurement.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 358.7 / 14$ $= 25.621$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((12911.85 - 128665.69/14) / (14-1))^{1/2}$ $= 16.919$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 25.621 + 5.0 * 16.919$ $= 110.218$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 14 * (14-1) / 2$ $= 91$	Number of sample pairs during trend detection period.
5	$S = -1.18$	Sen's estimator of trend.
6	$\text{var}(S) = 332.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (91 - 2.326 * 332.667^{1/2}) / 2$ $= 24.288$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -13.344$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 718.53 / 17$ $= 42.266$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((50662.573 - 516285.361/17) / (17-1))^{1/2}$ $= 35.613$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 42.266 + 5.0 * 35.613$ $= 220.333$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -7.174$	Sen's estimator of trend.
6	$\text{var}(S) = 589.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 589.333^{1/2}) / 2$ $= 39.767$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -21.182$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 1630.6 / 16$ $= 101.913$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((262073.0 - 2.66 \times 10^6 / 16) / (16-1))^{1/2}$ $= 79.956$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 101.913 + 5.0 * 79.956$ $= 501.693$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 16 * (16-1) / 2$ $= 120$	Number of sample pairs during trend detection period.
5	$S = 12.847$	Sen's estimator of trend.
6	$\text{var}(S) = 493.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (120 - 2.326 * 493.333^{1/2}) / 2$ $= 34.168$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -5.798$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 301.69 / 17$ $= 17.746$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((6342.496 - 91016.856 / 17) / (17-1))^{1/2}$ $= 7.86$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 17.746 + 5.0 * 7.86$ $= 57.048$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -3.11$	Sen's estimator of trend.
6	$\text{var}(S) = 586.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 586.333^{1/2}) / 2$ $= 39.839$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -5.388$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 183.04 / 19$ $= 9.634$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((3936.677 - 33503.642 / 19) / (19-1))^{1/2}$ $= 10.988$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 9.634 + 5.0 * 10.988$ $= 64.575$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -0.731$	Sen's estimator of trend.
6	$\text{var}(S) = 798.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 798.333^{1/2}) / 2$ $= 52.64$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -3.919$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 278.84 / 18$ $= 15.491$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((10905.278 - 77751.746/18) / (18-1))^{1/2}$ $= 19.682$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 15.491 + 5.0 * 19.682$ $= 113.903$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 18 * (18-1) / 2$ $= 153$	Number of sample pairs during trend detection period.
5	$S = -1.707$	Sen's estimator of trend.
6	$\text{var}(S) = 668.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (153 - 2.326 * 668.667^{1/2}) / 2$ $= 46.426$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -5.783$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 159.56 / 18$ $= 8.864$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((2289.446 - 25459.394 / 18) / (18-1))^{1/2}$ $= 7.174$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 8.864 + 5.0 * 7.174$ $= 44.737$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 18 * (18-1) / 2$ $= 153$	Number of sample pairs during trend detection period.
5	$S = -0.802$	Sen's estimator of trend.
6	$\text{var}(S) = 678.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (153 - 2.326 * 678.333^{1/2}) / 2$ $= 46.21$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -2.861$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 76.65 / 19$ $= 4.034$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((339.413 - 5875.223/19) / (19-1))^{1/2}$ $= 1.295$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 4.034 + 5.0 * 1.295$ $= 10.51$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -0.1$	Sen's estimator of trend.
6	$\text{var}(S) = 805.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 805.333^{1/2}) / 2$ $= 52.496$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -0.655$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 10.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.5	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 0.53	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 0.67	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.5	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 97.85 / 20$ $= 4.893$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((480.078 - 9574.623/20) / (20-1))^{1/2}$ $= 0.266$	Compute background sd.
3	$SCL = \bar{X} \pm F * S$ $= 4.893 \pm 5.0 * 0.266$ $= 3.561, 6.224$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 20 * (20-1) / 2$ $= 190$	Number of sample pairs during trend detection period.
5	$S = 0.038$	Sen's estimator of trend.
6	$\text{var}(S) = 948.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (190 - 2.326 * 948.0^{1/2}) / 2$ $= 59.192$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -0.059$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 95.53 / 22$ $= 4.342$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((419.489 - 9125.981/22) / (22-1))^{1/2}$ $= 0.472$	Compute background sd.
3	$\text{SCL} = \bar{X} \pm F * S$ $= 4.342 \pm 5.0 * 0.472$ $= 1.984, 6.7$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 22 * (22-1) / 2$ $= 231$	Number of sample pairs during trend detection period.
5	$S = 0.09$	Sen's estimator of trend.
6	$\text{var}(S) = 1255.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (231 - 2.326 * 1255.667^{1/2}) / 2$ $= 74.289$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -0.033$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 99.86 / 22$ $= 4.539$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((455.527 - 9972.02/22) / (22-1))^{1/2}$ $= 0.328$	Compute background sd.
3	$SCL = \bar{X} \pm F * S$ $= 4.539 \pm 5.0 * 0.328$ $= 2.901, 6.177$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 22 * (22-1) / 2$ $= 231$	Number of sample pairs during trend detection period.
5	$S = 0.005$	Sen's estimator of trend.
6	$\text{var}(S) = 1253.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (231 - 2.326 * 1253.0^{1/2}) / 2$ $= 74.332$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -0.044$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 103.54 / 21$ $= 4.93$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((512.256 - 10720.532/21) / (21-1))^{1/2}$ $= 0.296$	Compute background sd.
3	$SCL = \bar{X} \pm F * S$ $= 4.93 \pm 5.0 * 0.296$ $= 3.45, 6.411$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 21 * (21-1) / 2$ $= 210$	Number of sample pairs during trend detection period.
5	$S = -0.011$	Sen's estimator of trend.
6	$\text{var}(S) = 1091.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (210 - 2.326 * 1091.0^{1/2}) / 2$ $= 66.586$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -0.073$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-1SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 3881.0 / 17$ $= 228.294$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((1.05 \times 10^6 - 1.51 \times 10^7 / 17) / (17-1) \right)^{1/2}$ $= 102.03$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 228.294 + 5.0 * 102.03$ $= 738.447$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -15.703$	Sen's estimator of trend.
6	$\text{var}(S) = 586.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 586.333^{1/2}) / 2$ $= 39.839$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -51.021$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-2SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 7902.0 / 21$ $= 376.286$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((4.91 \times 10^6 - 6.24 \times 10^7 / 21) / (21-1))^{1/2}$ $= 311.524$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 376.286 + 5.0 * 311.524$ $= 1933.906$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 21 * (21-1) / 2$ $= 210$	Number of sample pairs during trend detection period.
5	$S = -56.164$	Sen's estimator of trend.
6	$\text{var}(S) = 1094.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (210 - 2.326 * 1094.667^{1/2}) / 2$ $= 66.521$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -171.359$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-3SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 8770.0 / 19$ $= 461.579$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((5.10 \times 10^6 - 7.69 \times 10^7 / 19) / (19-1))^{1/2}$ $= 242.001$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 461.579 + 5.0 * 242.001$ $= 1671.586$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = 13.269$	Sen's estimator of trend.
6	$\text{var}(S) = 816.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 816.0^{1/2}) / 2$ $= 52.278$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -92.376$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-4SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 3034.0 / 19$ $= 159.684$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((569224.0 - 9.21 \times 10^6 / 19) / (19-1))^{1/2}$ $= 68.614$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 159.684 + 5.0 * 68.614$ $= 502.755$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -22.347$	Sen's estimator of trend.
6	$\text{var}(S) = 801.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 801.0^{1/2}) / 2$ $= 52.585$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -39.682$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Selenium (ug/L) at DW-1SR
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\text{PL} = \text{median}(X)$ $= 20.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 1038.4 / 14$ $= 74.171$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((140755.36 - 1.08 \times 10^6 / 14) / (14-1))^{1/2}$ $= 70.02$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 74.171 + 5.0 * 70.02$ $= 424.27$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 14 * (14-1) / 2$ $= 91$	Number of sample pairs during trend detection period.
5	$S = -16.916$	Sen's estimator of trend.
6	$\text{var}(S) = 333.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (91 - 2.326 * 333.667^{1/2}) / 2$ $= 24.256$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -67.582$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 2287.42 / 17$ $= 134.554$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((598200.296 - 5.23 \times 10^6 / 17) / (17-1) \right)^{1/2}$ $= 134.726$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 134.554 + 5.0 * 134.726$ $= 808.185$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -40.658$	Sen's estimator of trend.
6	$\text{var}(S) = 584.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 584.667^{1/2}) / 2$ $= 39.879$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -80.693$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 3365.0 / 13$ $= 258.846$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.24 \times 10^6 - 1.13 \times 10^7 / 13) / (13-1))^{1/2}$ $= 174.261$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 258.846 + 5.0 * 174.261$ $= 1130.152$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 13 * (13-1) / 2$ $= 78$	Number of sample pairs during trend detection period.
5	$S = 11.453$	Sen's estimator of trend.
6	$\text{var}(S) = 267.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (78 - 2.326 * 267.667^{1/2}) / 2$ $= 19.973$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -27.665$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 939.4 / 17$ $= 55.259$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((67026.38 - 882472.36 / 17) / (17-1) \right)^{1/2}$ $= 30.737$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 55.259 + 5.0 * 30.737$ $= 208.944$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -9.794$	Sen's estimator of trend.
6	$\text{var}(S) = 589.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 589.333^{1/2}) / 2$ $= 39.767$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -20.47$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 1.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony	ug/L	DW-1SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/15/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	11/02/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/24/2020	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/10/2022		2.0000	ND				
Antimony	ug/L	DW-1SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-1SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-1SR	08/17/2023		2.0000	ND				
Antimony	ug/L	DW-1SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-1SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-1SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-2SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/15/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	11/02/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	05/03/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/24/2020	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/10/2022		2.0000	ND				
Antimony	ug/L	DW-2SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-2SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-2SR	08/17/2023		2.0000	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	
Antimony	ug/L	DW-2SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-2SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-2SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-3SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/16/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	11/03/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	05/03/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/25/2020	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/10/2022		2.0000	ND				
Antimony	ug/L	DW-3SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-3SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-3SR	08/17/2023		2.0000	ND				
Antimony	ug/L	DW-3SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-3SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-3SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-4SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/16/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	11/03/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	05/03/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/25/2020	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/20/2021	yes	2.0000	ND				

* - Outlier for that well and constituent.

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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	
Antimony	ug/L	DW-4SR	02/11/2022		2.0000	ND				
Antimony	ug/L	DW-4SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-4SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-4SR	08/18/2023		2.0000	ND				
Antimony	ug/L	DW-4SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-4SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-4SR	02/10/2025		2.0000	ND				
Arsenic	ug/L	DW-1SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/15/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	11/02/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/24/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/10/2022		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-1SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/17/2023		5.0000	ND				
Arsenic	ug/L	DW-1SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-1SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/15/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	11/02/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	05/03/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/12/2020	yes	5.0000	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	
Arsenic	ug/L	DW-2SR	08/24/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/10/2022		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-2SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/17/2023		5.0000	ND				
Arsenic	ug/L	DW-2SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-2SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/16/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	11/03/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	05/03/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/25/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/10/2022		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-3SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/17/2023		5.0000	ND				
Arsenic	ug/L	DW-3SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-3SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/16/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	11/03/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	05/03/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/09/2018	yes	5.0000	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	
Arsenic	ug/L	DW-4SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/25/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/11/2022		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-4SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/18/2023		5.0000	ND				
Arsenic	ug/L	DW-4SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-4SR	02/10/2025		5.0000	ND				
Barium	ug/L	DW-1SR	08/28/2014	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/13/2015	yes	21.0000					
Barium	ug/L	DW-1SR	08/17/2015	yes	33.0000					
Barium	ug/L	DW-1SR	12/17/2015	yes	27.0000					
Barium	ug/L	DW-1SR	02/15/2016	yes	15.0000					
Barium	ug/L	DW-1SR	05/05/2016	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/04/2016	yes	10.0000	ND				
Barium	ug/L	DW-1SR	11/02/2016	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/13/2017	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/16/2017	yes	10.0000	ND				
Barium	ug/L	DW-1SR	11/07/2017	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/09/2018	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/23/2018	yes	68.0000					
Barium	ug/L	DW-1SR	02/08/2019	yes	43.0000					
Barium	ug/L	DW-1SR	08/27/2019	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/12/2020	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/24/2020	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/10/2022		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/16/2022		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	02/10/2023		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/17/2023		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	02/09/2024		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/21/2024		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	02/10/2025		10.0000	ND		17.7368		
Barium	ug/L	DW-2SR	08/28/2014	yes	10.0000					
Barium	ug/L	DW-2SR	02/13/2015	yes	21.0000					
Barium	ug/L	DW-2SR	08/17/2015	yes	74.0000					
Barium	ug/L	DW-2SR	12/17/2015	yes	52.0000					
Barium	ug/L	DW-2SR	02/15/2016	yes	36.0000					
Barium	ug/L	DW-2SR	05/05/2016	yes	10.0000	ND				
Barium	ug/L	DW-2SR	08/04/2016	yes	16.0000					
Barium	ug/L	DW-2SR	11/02/2016	yes	17.0000					
Barium	ug/L	DW-2SR	02/13/2017	yes	16.0000					
Barium	ug/L	DW-2SR	05/03/2017	yes	12.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium	ug/L	DW-2SR	08/16/2017	yes	12.0000					
Barium	ug/L	DW-2SR	11/07/2017	yes	37.0000					
Barium	ug/L	DW-2SR	02/09/2018	yes	35.0000					
Barium	ug/L	DW-2SR	08/23/2018	yes	19.0000					
Barium	ug/L	DW-2SR	02/08/2019	yes	27.0000					
Barium	ug/L	DW-2SR	08/27/2019	yes	10.0000	ND				
Barium	ug/L	DW-2SR	02/12/2020	yes	10.0000	ND				
Barium	ug/L	DW-2SR	08/24/2020	yes	10.0000	ND				
Barium	ug/L	DW-2SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-2SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-2SR	02/10/2022		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/16/2022		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	02/10/2023		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/17/2023		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	02/09/2024		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/21/2024		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	02/10/2025		10.0000	ND		22.2000		
Barium	ug/L	DW-3SR	08/28/2014	yes	38.0000					
Barium	ug/L	DW-3SR	02/13/2015	yes	33.0000					
Barium	ug/L	DW-3SR	08/17/2015	yes	34.0000					
Barium	ug/L	DW-3SR	12/17/2015	yes	33.0000					
Barium	ug/L	DW-3SR	02/16/2016	yes	31.0000					
Barium	ug/L	DW-3SR	05/05/2016	yes	12.0000					
Barium	ug/L	DW-3SR	08/04/2016	yes	26.0000					
Barium	ug/L	DW-3SR	11/03/2016	yes	22.0000					
Barium	ug/L	DW-3SR	02/13/2017	yes	21.0000					
Barium	ug/L	DW-3SR	05/03/2017	yes	10.0000	ND				
Barium	ug/L	DW-3SR	08/16/2017	yes	14.0000					
Barium	ug/L	DW-3SR	11/07/2017	yes	34.0000					
Barium	ug/L	DW-3SR	02/09/2018	yes	29.0000					
Barium	ug/L	DW-3SR	08/23/2018	yes	33.0000					
Barium	ug/L	DW-3SR	02/08/2019	yes	59.0000					
Barium	ug/L	DW-3SR	08/27/2019	yes	58.0000					
Barium	ug/L	DW-3SR	02/12/2020	yes	40.0000					
Barium	ug/L	DW-3SR	08/25/2020	yes	14.0000					
Barium	ug/L	DW-3SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-3SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-3SR	02/10/2022		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	08/16/2022		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	02/10/2023		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	08/17/2023		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	02/09/2024		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	08/21/2024		28.0000			28.0500		
Barium	ug/L	DW-3SR	02/10/2025		10.0000	ND		28.0500		
Barium	ug/L	DW-4SR	08/28/2014	yes	100.0000		yes			*
Barium	ug/L	DW-4SR	02/13/2015	yes	33.0000					
Barium	ug/L	DW-4SR	08/17/2015	yes	17.0000					
Barium	ug/L	DW-4SR	12/17/2015	yes	12.0000					
Barium	ug/L	DW-4SR	02/16/2016	yes	12.0000					
Barium	ug/L	DW-4SR	05/05/2016	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium	ug/L	DW-4SR	08/04/2016	yes	14.0000					
Barium	ug/L	DW-4SR	11/03/2016	yes	17.0000					
Barium	ug/L	DW-4SR	02/13/2017	yes	17.0000					
Barium	ug/L	DW-4SR	05/03/2017	yes	17.0000					
Barium	ug/L	DW-4SR	08/16/2017	yes	23.0000					
Barium	ug/L	DW-4SR	11/07/2017	yes	19.0000					
Barium	ug/L	DW-4SR	02/09/2018	yes	19.0000					
Barium	ug/L	DW-4SR	08/23/2018	yes	11.0000					
Barium	ug/L	DW-4SR	02/08/2019	yes	15.0000					
Barium	ug/L	DW-4SR	08/27/2019	yes	10.0000	ND				
Barium	ug/L	DW-4SR	02/12/2020	yes	10.0000	ND				
Barium	ug/L	DW-4SR	08/25/2020	yes	10.0000	ND				
Barium	ug/L	DW-4SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-4SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-4SR	02/11/2022		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	08/16/2022		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	02/10/2023		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	08/18/2023		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	02/09/2024		11.0000			15.0526		
Barium	ug/L	DW-4SR	08/21/2024		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	02/10/2025		10.0000			15.0526		
Beryllium	ug/L	DW-1SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/15/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	11/02/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/24/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/10/2022		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-1SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/17/2023		1.0000	ND				
Beryllium	ug/L	DW-1SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-1SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/17/2015	yes	1.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium	ug/L	DW-2SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/15/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	11/02/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	05/03/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/24/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/10/2022		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-2SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/17/2023		1.0000	ND				
Beryllium	ug/L	DW-2SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-2SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/16/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	11/03/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	05/03/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/25/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/10/2022		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-3SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/17/2023		1.0000	ND				
Beryllium	ug/L	DW-3SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/21/2024		1.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium	ug/L	DW-3SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/16/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	11/03/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	05/03/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/25/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/11/2022		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-4SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/18/2023		1.0000	ND				
Beryllium	ug/L	DW-4SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-4SR	02/10/2025		1.0000	ND				
Boron	ug/L	DW-1SR	12/17/2015	yes	280.0000					
Boron	ug/L	DW-1SR	02/15/2016	yes	180.0000					
Boron	ug/L	DW-1SR	05/05/2016	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/04/2016	yes	100.0000	ND				
Boron	ug/L	DW-1SR	11/02/2016	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/13/2017	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/16/2017	yes	100.0000	ND				
Boron	ug/L	DW-1SR	11/07/2017	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/09/2018	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/23/2018	yes	610.0000		yes			*
Boron	ug/L	DW-1SR	02/08/2019	yes	660.0000		yes			*
Boron	ug/L	DW-1SR	08/27/2019	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/24/2020	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/20/2021	yes	123.0000					
Boron	ug/L	DW-1SR	02/10/2022		100.0000	ND				
Boron	ug/L	DW-1SR	08/16/2022		100.0000	ND				
Boron	ug/L	DW-1SR	02/10/2023		102.0000					
Boron	ug/L	DW-1SR	08/17/2023		100.0000	ND				
Boron	ug/L	DW-1SR	02/09/2024		100.0000	ND				
Boron	ug/L	DW-1SR	08/21/2024		100.0000	ND				

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Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Boron	ug/L	DW-1SR	02/10/2025		100.0000	ND				
Boron	ug/L	DW-2SR	12/17/2015	yes	350.0000					
Boron	ug/L	DW-2SR	02/15/2016	yes	290.0000					
Boron	ug/L	DW-2SR	05/05/2016	yes	210.0000					
Boron	ug/L	DW-2SR	08/04/2016	yes	140.0000					
Boron	ug/L	DW-2SR	11/02/2016	yes	180.0000					
Boron	ug/L	DW-2SR	02/13/2017	yes	180.0000					
Boron	ug/L	DW-2SR	05/03/2017	yes	210.0000					
Boron	ug/L	DW-2SR	08/16/2017	yes	100.0000	ND				
Boron	ug/L	DW-2SR	11/07/2017	yes	140.0000					
Boron	ug/L	DW-2SR	02/09/2018	yes	150.0000					
Boron	ug/L	DW-2SR	08/23/2018	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/08/2019	yes	100.0000	ND				
Boron	ug/L	DW-2SR	08/27/2019	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-2SR	08/24/2020	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-2SR	08/20/2021	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/10/2022		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/16/2022		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	02/10/2023		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/17/2023		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	02/09/2024		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/21/2024		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	02/10/2025		100.0000	ND		155.8824		
Boron	ug/L	DW-3SR	12/17/2015	yes	150.0000					
Boron	ug/L	DW-3SR	02/16/2016	yes	160.0000					
Boron	ug/L	DW-3SR	05/05/2016	yes	140.0000					
Boron	ug/L	DW-3SR	08/04/2016	yes	180.0000					
Boron	ug/L	DW-3SR	11/03/2016	yes	260.0000					
Boron	ug/L	DW-3SR	02/13/2017	yes	230.0000					
Boron	ug/L	DW-3SR	05/03/2017	yes	100.0000	ND				
Boron	ug/L	DW-3SR	08/16/2017	yes	110.0000					
Boron	ug/L	DW-3SR	11/07/2017	yes	130.0000					
Boron	ug/L	DW-3SR	02/09/2018	yes	150.0000					
Boron	ug/L	DW-3SR	08/23/2018	yes	100.0000	ND				
Boron	ug/L	DW-3SR	02/08/2019	yes	160.0000					
Boron	ug/L	DW-3SR	08/27/2019	yes	140.0000					
Boron	ug/L	DW-3SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-3SR	08/25/2020	yes	100.0000	ND				
Boron	ug/L	DW-3SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-3SR	08/20/2021	yes	100.0000	ND				
Boron	ug/L	DW-3SR	02/10/2022		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/16/2022		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	02/10/2023		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/17/2023		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	02/09/2024		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/21/2024		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	02/10/2025		100.0000	ND		141.7647		
Boron	ug/L	DW-4SR	12/17/2015	yes	110.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Boron	ug/L	DW-4SR	02/16/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	05/05/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/04/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	11/03/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/13/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	05/03/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/16/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	11/07/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/09/2018	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/23/2018	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/08/2019	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/27/2019	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/25/2020	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/20/2021	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/11/2022		100.0000	ND				
Boron	ug/L	DW-4SR	08/16/2022		100.0000	ND				
Boron	ug/L	DW-4SR	02/10/2023		100.0000	ND				
Boron	ug/L	DW-4SR	08/18/2023		100.0000	ND				
Boron	ug/L	DW-4SR	02/09/2024		100.0000	ND				
Boron	ug/L	DW-4SR	08/21/2024		100.0000	ND				
Boron	ug/L	DW-4SR	02/10/2025		100.0000	ND				
Cadmium	ug/L	DW-1SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/15/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	11/02/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/24/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/10/2022		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-1SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/17/2023		5.0000	ND				
Cadmium	ug/L	DW-1SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-1SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/28/2014	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium	ug/L	DW-2SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/15/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	11/02/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	05/03/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/24/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/10/2022		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-2SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/17/2023		5.0000	ND				
Cadmium	ug/L	DW-2SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-2SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/16/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	11/03/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	05/03/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/25/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/10/2022		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-3SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/17/2023		5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium	ug/L	DW-3SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-3SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/16/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	11/03/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	05/03/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/25/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/11/2022		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-4SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/18/2023		5.0000	ND				
Cadmium	ug/L	DW-4SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-4SR	02/10/2025		5.0000	ND				
Calcium	mg/L	DW-1SR	12/17/2015	yes	50.0000					
Calcium	mg/L	DW-1SR	02/15/2016	yes	35.0000					
Calcium	mg/L	DW-1SR	05/05/2016	yes	32.0000					
Calcium	mg/L	DW-1SR	08/04/2016	yes	21.0000					
Calcium	mg/L	DW-1SR	11/02/2016	yes	10.0000					
Calcium	mg/L	DW-1SR	02/13/2017	yes	10.0000					
Calcium	mg/L	DW-1SR	08/16/2017	yes	11.0000					
Calcium	mg/L	DW-1SR	11/07/2017	yes	8.9000					
Calcium	mg/L	DW-1SR	02/09/2018	yes	8.5000					
Calcium	mg/L	DW-1SR	08/23/2018	yes	320.0000		yes			*
Calcium	mg/L	DW-1SR	02/08/2019	yes	260.0000		yes			*
Calcium	mg/L	DW-1SR	08/27/2019	yes	40.0000					
Calcium	mg/L	DW-1SR	02/12/2020	yes	24.0000					
Calcium	mg/L	DW-1SR	08/24/2020	yes	20.7000					
Calcium	mg/L	DW-1SR	02/08/2021	yes	23.7000					
Calcium	mg/L	DW-1SR	08/20/2021	yes	63.9000					
Calcium	mg/L	DW-1SR	02/10/2022		28.1000			25.6214		
Calcium	mg/L	DW-1SR	08/16/2022		23.9000			25.6214		
Calcium	mg/L	DW-1SR	02/10/2023		31.9000			25.6214		
Calcium	mg/L	DW-1SR	08/17/2023		18.2000			25.6214		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Calcium	mg/L	DW-1SR	02/09/2024		20.7000			25.6214		
Calcium	mg/L	DW-1SR	08/21/2024		26.1000			25.6214		
Calcium	mg/L	DW-1SR	02/10/2025		15.8000			25.6214		
Calcium	mg/L	DW-2SR	12/17/2015	yes	140.0000					
Calcium	mg/L	DW-2SR	02/15/2016	yes	100.0000					
Calcium	mg/L	DW-2SR	05/05/2016	yes	36.0000					
Calcium	mg/L	DW-2SR	08/04/2016	yes	38.0000					
Calcium	mg/L	DW-2SR	11/02/2016	yes	31.0000					
Calcium	mg/L	DW-2SR	02/13/2017	yes	29.0000					
Calcium	mg/L	DW-2SR	05/03/2017	yes	30.0000					
Calcium	mg/L	DW-2SR	08/16/2017	yes	26.0000					
Calcium	mg/L	DW-2SR	11/07/2017	yes	72.0000					
Calcium	mg/L	DW-2SR	02/09/2018	yes	61.0000					
Calcium	mg/L	DW-2SR	08/23/2018	yes	40.0000					
Calcium	mg/L	DW-2SR	02/08/2019	yes	62.0000					
Calcium	mg/L	DW-2SR	08/27/2019	yes	12.0000					
Calcium	mg/L	DW-2SR	02/12/2020	yes	11.0000					
Calcium	mg/L	DW-2SR	08/24/2020	yes	8.0600					
Calcium	mg/L	DW-2SR	02/08/2021	yes	8.6700					
Calcium	mg/L	DW-2SR	08/20/2021	yes	13.8000					
Calcium	mg/L	DW-2SR	02/10/2022		14.2000			42.2665		
Calcium	mg/L	DW-2SR	08/16/2022		15.0000			42.2665		
Calcium	mg/L	DW-2SR	02/10/2023		16.9000			42.2665		
Calcium	mg/L	DW-2SR	08/17/2023		16.9000			42.2665		
Calcium	mg/L	DW-2SR	02/09/2024		15.9000			42.2665		
Calcium	mg/L	DW-2SR	08/21/2024		16.3000			42.2665		
Calcium	mg/L	DW-2SR	02/10/2025		23.7000			42.2665		
Calcium	mg/L	DW-3SR	12/17/2015	yes	64.0000					
Calcium	mg/L	DW-3SR	02/16/2016	yes	74.0000					
Calcium	mg/L	DW-3SR	05/05/2016	yes	49.0000					
Calcium	mg/L	DW-3SR	08/04/2016	yes	51.0000					
Calcium	mg/L	DW-3SR	11/03/2016	yes	87.0000					
Calcium	mg/L	DW-3SR	02/13/2017	yes	79.0000					
Calcium	mg/L	DW-3SR	05/03/2017	yes	21.0000					
Calcium	mg/L	DW-3SR	08/16/2017	yes	20.0000					
Calcium	mg/L	DW-3SR	11/07/2017	yes	140.0000					
Calcium	mg/L	DW-3SR	02/09/2018	yes	110.0000					
Calcium	mg/L	DW-3SR	03/29/2018	yes	100.0000					
Calcium	mg/L	DW-3SR	08/23/2018	yes	240.0000					
Calcium	mg/L	DW-3SR	02/08/2019	yes	460.0000		yes			*
Calcium	mg/L	DW-3SR	08/27/2019	yes	470.0000		yes			*
Calcium	mg/L	DW-3SR	02/12/2020	yes	330.0000					
Calcium	mg/L	DW-3SR	08/25/2020	yes	112.0000					
Calcium	mg/L	DW-3SR	02/08/2021	yes	64.4000					
Calcium	mg/L	DW-3SR	08/20/2021	yes	89.2000					
Calcium	mg/L	DW-3SR	02/10/2022		76.5000			101.9125		
Calcium	mg/L	DW-3SR	08/16/2022		63.7000			101.9125		
Calcium	mg/L	DW-3SR	02/10/2023		46.6000			101.9125		
Calcium	mg/L	DW-3SR	08/17/2023		17.8000			101.9125		
Calcium	mg/L	DW-3SR	02/09/2024		62.7000			101.9125		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Calcium	mg/L	DW-3SR	08/21/2024		197.0000			137.0330		
Calcium	mg/L	DW-3SR	02/10/2025		66.0000			101.9125		
Calcium	mg/L	DW-4SR	12/17/2015	yes	23.0000					
Calcium	mg/L	DW-4SR	02/16/2016	yes	20.0000					
Calcium	mg/L	DW-4SR	05/05/2016	yes	16.0000					
Calcium	mg/L	DW-4SR	08/04/2016	yes	19.0000					
Calcium	mg/L	DW-4SR	11/03/2016	yes	30.0000					
Calcium	mg/L	DW-4SR	02/13/2017	yes	26.0000					
Calcium	mg/L	DW-4SR	05/03/2017	yes	29.0000					
Calcium	mg/L	DW-4SR	08/16/2017	yes	26.0000					
Calcium	mg/L	DW-4SR	11/07/2017	yes	21.0000					
Calcium	mg/L	DW-4SR	02/09/2018	yes	21.0000					
Calcium	mg/L	DW-4SR	08/23/2018	yes	11.0000					
Calcium	mg/L	DW-4SR	02/08/2019	yes	19.0000					
Calcium	mg/L	DW-4SR	08/27/2019	yes	10.0000					
Calcium	mg/L	DW-4SR	02/12/2020	yes	8.5000					
Calcium	mg/L	DW-4SR	08/25/2020	yes	7.3000					
Calcium	mg/L	DW-4SR	02/08/2021	yes	8.6900					
Calcium	mg/L	DW-4SR	08/20/2021	yes	6.2000					
Calcium	mg/L	DW-4SR	02/11/2022		25.7000			19.8047		
Calcium	mg/L	DW-4SR	08/16/2022		33.6000			29.7630		
Calcium	mg/L	DW-4SR	02/10/2023		52.1000			58.2213		**
Calcium	mg/L	DW-4SR	08/18/2023		48.8000			54.9213		
Calcium	mg/L	DW-4SR	02/09/2024		49.5000			80.7795		**
Calcium	mg/L	DW-4SR	08/21/2024		23.7000			54.9795		
Calcium	mg/L	DW-4SR	02/10/2025		107.0000			138.3378		**
Chloride	mg/L	DW-1SR	08/28/2014	yes	4.8000					
Chloride	mg/L	DW-1SR	02/13/2015	yes	8.3000					
Chloride	mg/L	DW-1SR	08/17/2015	yes	41.0000					
Chloride	mg/L	DW-1SR	12/17/2015	yes	37.0000					
Chloride	mg/L	DW-1SR	02/15/2016	yes	15.0000					
Chloride	mg/L	DW-1SR	05/05/2016	yes	7.8000					
Chloride	mg/L	DW-1SR	08/04/2016	yes	6.5000					
Chloride	mg/L	DW-1SR	11/02/2016	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	02/13/2017	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	08/16/2017	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	11/07/2017	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	02/09/2018	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	08/23/2018	yes	12.0000					
Chloride	mg/L	DW-1SR	02/08/2019	yes	12.0000					
Chloride	mg/L	DW-1SR	08/27/2019	yes	6.5000					
Chloride	mg/L	DW-1SR	02/12/2020	yes	3.5000					
Chloride	mg/L	DW-1SR	08/24/2020	yes	2.3100					
Chloride	mg/L	DW-1SR	02/08/2021	yes	3.4700					
Chloride	mg/L	DW-1SR	08/20/2021	yes	7.8600					
Chloride	mg/L	DW-1SR	02/10/2022		5.1600			9.6337		
Chloride	mg/L	DW-1SR	08/16/2022		3.5200			9.6337		
Chloride	mg/L	DW-1SR	02/10/2023		6.0700			9.6337		
Chloride	mg/L	DW-1SR	08/17/2023		3.6700			9.6337		
Chloride	mg/L	DW-1SR	02/09/2024		3.6500			9.6337		

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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	
Chloride	mg/L	DW-1SR	08/21/2024		4.5900			9.6337		
Chloride	mg/L	DW-1SR	02/10/2025		3.0000	ND		9.6337		
Chloride	mg/L	DW-2SR	08/28/2014	yes	13.0000					
Chloride	mg/L	DW-2SR	02/13/2015	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	08/17/2015	yes	15.0000					
Chloride	mg/L	DW-2SR	12/17/2015	yes	64.0000					
Chloride	mg/L	DW-2SR	02/15/2016	yes	47.0000					
Chloride	mg/L	DW-2SR	05/05/2016	yes	26.0000					
Chloride	mg/L	DW-2SR	08/04/2016	yes	14.0000					
Chloride	mg/L	DW-2SR	11/02/2016	yes	6.2000					
Chloride	mg/L	DW-2SR	02/13/2017	yes	5.6000					
Chloride	mg/L	DW-2SR	05/03/2017	yes	6.9000					
Chloride	mg/L	DW-2SR	08/16/2017	yes	56.0000					
Chloride	mg/L	DW-2SR	11/07/2017	yes	300.0000		yes			*
Chloride	mg/L	DW-2SR	02/09/2018	yes	200.0000		yes			*
Chloride	mg/L	DW-2SR	03/29/2018	yes	140.0000		yes			*
Chloride	mg/L	DW-2SR	08/23/2018	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/08/2019	yes	4.4000					
Chloride	mg/L	DW-2SR	08/27/2019	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/12/2020	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	08/24/2020	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/08/2021	yes	2.7400					
Chloride	mg/L	DW-2SR	08/20/2021	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/10/2022		5.8300			15.4911		
Chloride	mg/L	DW-2SR	08/16/2022		3.0000	ND		15.4911		
Chloride	mg/L	DW-2SR	02/10/2023		4.6900			15.4911		
Chloride	mg/L	DW-2SR	08/17/2023		3.0000	ND		15.4911		
Chloride	mg/L	DW-2SR	02/09/2024		3.7400			15.4911		
Chloride	mg/L	DW-2SR	08/21/2024		3.0000	ND		15.4911		
Chloride	mg/L	DW-2SR	02/10/2025		4.4400			15.4911		
Chloride	mg/L	DW-3SR	08/28/2014	yes	7.6000					
Chloride	mg/L	DW-3SR	02/13/2015	yes	8.3000					
Chloride	mg/L	DW-3SR	08/17/2015	yes	6.6000					
Chloride	mg/L	DW-3SR	12/17/2015	yes	10.0000					
Chloride	mg/L	DW-3SR	02/16/2016	yes	17.0000					
Chloride	mg/L	DW-3SR	05/05/2016	yes	4.6000					
Chloride	mg/L	DW-3SR	08/04/2016	yes	6.2000					
Chloride	mg/L	DW-3SR	11/03/2016	yes	18.0000					
Chloride	mg/L	DW-3SR	02/13/2017	yes	17.0000					
Chloride	mg/L	DW-3SR	05/03/2017	yes	29.0000					
Chloride	mg/L	DW-3SR	08/16/2017	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	11/07/2017	yes	330.0000		yes			*
Chloride	mg/L	DW-3SR	02/09/2018	yes	230.0000		yes			*
Chloride	mg/L	DW-3SR	03/29/2018	yes	230.0000		yes			*
Chloride	mg/L	DW-3SR	08/23/2018	yes	11.0000					
Chloride	mg/L	DW-3SR	02/08/2019	yes	6.6000					
Chloride	mg/L	DW-3SR	08/27/2019	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	02/12/2020	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	08/25/2020	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	02/08/2021	yes	2.6600					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chloride	mg/L	DW-3SR	08/20/2021	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	02/10/2022		4.9200			8.8644		
Chloride	mg/L	DW-3SR	08/16/2022		3.0000	ND		8.8644		
Chloride	mg/L	DW-3SR	02/10/2023		4.2100			8.8644		
Chloride	mg/L	DW-3SR	08/17/2023		3.0000	ND		8.8644		
Chloride	mg/L	DW-3SR	02/09/2024		3.8700			8.8644		
Chloride	mg/L	DW-3SR	08/21/2024		3.0000	ND		8.8644		
Chloride	mg/L	DW-3SR	02/10/2025		4.6900			8.8644		
Chloride	mg/L	DW-4SR	08/28/2014	yes	29.0000		yes			*
Chloride	mg/L	DW-4SR	02/13/2015	yes	6.1000					
Chloride	mg/L	DW-4SR	08/17/2015	yes	3.4000					
Chloride	mg/L	DW-4SR	12/17/2015	yes	3.2000					
Chloride	mg/L	DW-4SR	02/16/2016	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	05/05/2016	yes	3.3000					
Chloride	mg/L	DW-4SR	08/04/2016	yes	4.8000					
Chloride	mg/L	DW-4SR	11/03/2016	yes	6.1000					
Chloride	mg/L	DW-4SR	02/13/2017	yes	5.9000					
Chloride	mg/L	DW-4SR	05/03/2017	yes	6.5000					
Chloride	mg/L	DW-4SR	08/16/2017	yes	3.2000					
Chloride	mg/L	DW-4SR	11/07/2017	yes	3.6000					
Chloride	mg/L	DW-4SR	02/09/2018	yes	4.3000					
Chloride	mg/L	DW-4SR	08/23/2018	yes	3.7000					
Chloride	mg/L	DW-4SR	02/08/2019	yes	3.7000					
Chloride	mg/L	DW-4SR	08/27/2019	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	02/12/2020	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	08/25/2020	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	02/08/2021	yes	2.0700					
Chloride	mg/L	DW-4SR	08/20/2021	yes	4.7800					
Chloride	mg/L	DW-4SR	02/11/2022		3.5600			4.0342		
Chloride	mg/L	DW-4SR	08/16/2022		3.0000	ND		4.0342		
Chloride	mg/L	DW-4SR	02/10/2023		33.3000			32.3287		**
Chloride	mg/L	DW-4SR	08/18/2023		23.9000			22.9287		**
Chloride	mg/L	DW-4SR	02/09/2024		16.8000			15.8287		**
Chloride	mg/L	DW-4SR	08/21/2024		6.3000			5.3287		
Chloride	mg/L	DW-4SR	02/10/2025		8.1800			8.5031		
Chromium	ug/L	DW-1SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/15/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	11/02/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/27/2019	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium	ug/L	DW-1SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/24/2020	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/10/2022		10.0000	ND				
Chromium	ug/L	DW-1SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-1SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-1SR	08/17/2023		10.0000	ND				
Chromium	ug/L	DW-1SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-1SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-1SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-2SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/15/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	11/02/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	05/03/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/24/2020	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/10/2022		10.0000	ND				
Chromium	ug/L	DW-2SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-2SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-2SR	08/17/2023		10.0000	ND				
Chromium	ug/L	DW-2SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-2SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-2SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-3SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/16/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	11/03/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	05/03/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	11/07/2017	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium	ug/L	DW-3SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/25/2020	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/10/2022		10.0000	ND				
Chromium	ug/L	DW-3SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-3SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-3SR	08/17/2023		12.1000					**
Chromium	ug/L	DW-3SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-3SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-3SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-4SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/16/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	11/03/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	05/03/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/25/2020	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/11/2022		10.0000	ND				
Chromium	ug/L	DW-4SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-4SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-4SR	08/18/2023		10.0000	ND				
Chromium	ug/L	DW-4SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-4SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-4SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/15/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	11/02/2016	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt	ug/L	DW-1SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/24/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/10/2022		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-1SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/17/2023		10.0000	ND				
Cobalt	ug/L	DW-1SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-1SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/15/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	11/02/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	05/03/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/24/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/10/2022		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-2SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/17/2023		10.0000	ND				
Cobalt	ug/L	DW-2SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-2SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/16/2016	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt	ug/L	DW-3SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	11/03/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	05/03/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/25/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/10/2022		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-3SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/17/2023		10.0000	ND				
Cobalt	ug/L	DW-3SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-3SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/16/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	11/03/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	05/03/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/25/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/11/2022		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-4SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/18/2023		10.0000	ND				
Cobalt	ug/L	DW-4SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-4SR	02/10/2025		10.0000	ND				
Fluoride	mg/L	DW-1SR	12/17/2015	yes	0.5000	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	
Fluoride	mg/L	DW-1SR	02/15/2016	yes	2.5000	ND	yes			*
Fluoride	mg/L	DW-1SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	11/02/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	11/07/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/08/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/24/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/10/2022		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-1SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/17/2023		0.5000	ND				
Fluoride	mg/L	DW-1SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-1SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-2SR	12/17/2015	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/15/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	11/02/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	05/03/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	11/07/2017	yes	0.5300	ND				
Fluoride	mg/L	DW-2SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/08/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/24/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/10/2022		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-2SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/17/2023		0.5000	ND				
Fluoride	mg/L	DW-2SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-2SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-3SR	12/17/2015	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/16/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/04/2016	yes	0.5000	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	
Fluoride	mg/L	DW-3SR	11/03/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	05/03/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	11/07/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/08/2019	yes	0.6700					
Fluoride	mg/L	DW-3SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/25/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/10/2022		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-3SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/17/2023		0.5000	ND				
Fluoride	mg/L	DW-3SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-3SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-4SR	12/17/2015	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/16/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	11/03/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	05/03/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	11/07/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/08/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/25/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/11/2022		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-4SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/18/2023		0.5000	ND				
Fluoride	mg/L	DW-4SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-4SR	02/10/2025		0.5000	ND				
Lead	ug/L	DW-1SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-1SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/15/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	05/05/2016	yes	9.0000	ND				

* - Outlier for that well and constituent.

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead	ug/L	DW-1SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	11/02/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-1SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/24/2020	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/10/2022		9.0000	ND				
Lead	ug/L	DW-1SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-1SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-1SR	08/17/2023		9.0000	ND				
Lead	ug/L	DW-1SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-1SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-1SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-2SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-2SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/15/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	11/02/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	05/03/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/24/2020	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/10/2022		9.0000	ND				
Lead	ug/L	DW-2SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-2SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-2SR	08/17/2023		9.0000	ND				
Lead	ug/L	DW-2SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-2SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-2SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-3SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/17/2015	yes	9.0000	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	
Lead	ug/L	DW-3SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/16/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	11/03/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	05/03/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/25/2020	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/10/2022		9.0000	ND				
Lead	ug/L	DW-3SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-3SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-3SR	08/17/2023		9.0000	ND				
Lead	ug/L	DW-3SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-3SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-3SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-4SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-4SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/16/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	11/03/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	05/03/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/25/2020	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/11/2022		9.0000	ND				
Lead	ug/L	DW-4SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-4SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-4SR	08/18/2023		9.0000	ND				
Lead	ug/L	DW-4SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-4SR	08/21/2024		9.0000	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.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Lead	ug/L	DW-4SR	02/10/2025		9.0000	ND				
Lithium	ug/L	DW-1SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-1SR	02/15/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	11/02/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/24/2020	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/10/2022		20.0000	ND				
Lithium	ug/L	DW-1SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-1SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-1SR	08/17/2023		20.0000	ND				
Lithium	ug/L	DW-1SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-1SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-1SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-2SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-2SR	02/15/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	11/02/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	05/03/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/24/2020	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/10/2022		20.0000	ND				
Lithium	ug/L	DW-2SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-2SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-2SR	08/17/2023		20.0000	ND				
Lithium	ug/L	DW-2SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-2SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-2SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-3SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-3SR	02/16/2016	yes	20.0000	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	
Lithium	ug/L	DW-3SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	11/03/2016	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	05/03/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/25/2020	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/10/2022		20.0000	ND				
Lithium	ug/L	DW-3SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-3SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-3SR	08/17/2023		20.0000	ND				
Lithium	ug/L	DW-3SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-3SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-3SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-4SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-4SR	02/16/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	11/03/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	05/03/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/25/2020	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/11/2022		20.0000	ND				
Lithium	ug/L	DW-4SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-4SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-4SR	08/18/2023		20.0000	ND				
Lithium	ug/L	DW-4SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-4SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-4SR	02/10/2025		20.0000	ND				
Mercury	ug/L	DW-1SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	12/17/2015	yes	0.2000	ND				

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Mercury	ug/L	DW-1SR	02/15/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	11/02/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/24/2020	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/10/2022		0.2000	ND				
Mercury	ug/L	DW-1SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-1SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-1SR	08/17/2023		0.2000	ND				
Mercury	ug/L	DW-1SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-1SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-1SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-2SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/15/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	11/02/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	05/03/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/24/2020	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/10/2022		0.2000	ND				
Mercury	ug/L	DW-2SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-2SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-2SR	08/17/2023		0.2000	ND				
Mercury	ug/L	DW-2SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-2SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-2SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-3SR	08/28/2014	yes	0.2000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Mercury	ug/L	DW-3SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/16/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	11/03/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	05/03/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/25/2020	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/10/2022		0.2000	ND				
Mercury	ug/L	DW-3SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-3SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-3SR	08/17/2023		0.2000	ND				
Mercury	ug/L	DW-3SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-3SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-3SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-4SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/16/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	11/03/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	05/03/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/25/2020	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/11/2022		0.2000	ND				
Mercury	ug/L	DW-4SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-4SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-4SR	08/18/2023		0.2000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Mercury	ug/L	DW-4SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-4SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-4SR	02/10/2025		0.2000	ND				
Molybdenum	ug/L	DW-1SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/15/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	11/02/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/24/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/20/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/10/2022		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/17/2023		20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/10/2025		20.0000	ND				
Molybdenum	ug/L	DW-2SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/15/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	11/02/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	05/03/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/24/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/20/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/10/2022		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/17/2023		20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/10/2025		20.0000	ND				

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** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

*** - ND value replaced with median RL.

**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Molybdenum	ug/L	DW-3SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/16/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	11/03/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	05/03/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/25/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/20/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/10/2022		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/17/2023		20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/10/2025		20.0000	ND				
Molybdenum	ug/L	DW-4SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/16/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	11/03/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	05/03/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/25/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/20/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/11/2022		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/18/2023		20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/10/2025		20.0000	ND				
pH (Field)	S.U.	DW-1SR	08/28/2014	yes	4.9600					
pH (Field)	S.U.	DW-1SR	02/13/2015	yes	4.9600					

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
pH (Field)	S.U.	DW-1SR	08/17/2015	yes	4.8900					
pH (Field)	S.U.	DW-1SR	12/17/2015	yes	4.8100					
pH (Field)	S.U.	DW-1SR	02/15/2016	yes	4.8500					
pH (Field)	S.U.	DW-1SR	02/25/2016	yes	4.7900					
pH (Field)	S.U.	DW-1SR	05/05/2016	yes	4.5800					
pH (Field)	S.U.	DW-1SR	08/04/2016	yes	4.9300					
pH (Field)	S.U.	DW-1SR	11/02/2016	yes	5.0400					
pH (Field)	S.U.	DW-1SR	02/13/2017	yes	5.0800					
pH (Field)	S.U.	DW-1SR	08/16/2017	yes	4.5500					
pH (Field)	S.U.	DW-1SR	11/07/2017	yes	4.4100					
pH (Field)	S.U.	DW-1SR	02/09/2018	yes	4.7400					
pH (Field)	S.U.	DW-1SR	08/23/2018	yes	4.6300					
pH (Field)	S.U.	DW-1SR	02/08/2019	yes	4.7200					
pH (Field)	S.U.	DW-1SR	08/27/2019	yes	4.9700					
pH (Field)	S.U.	DW-1SR	02/12/2020	yes	4.9700					
pH (Field)	S.U.	DW-1SR	08/24/2020	yes	5.0500					
pH (Field)	S.U.	DW-1SR	02/08/2021	yes	5.3900					
pH (Field)	S.U.	DW-1SR	08/20/2021	yes	5.5300					
pH (Field)	S.U.	DW-1SR	02/10/2022		5.4800			5.2803		
pH (Field)	S.U.	DW-1SR	08/16/2022		5.4400			5.6281		
pH (Field)	S.U.	DW-1SR	02/10/2023		5.4500			5.9859		
pH (Field)	S.U.	DW-1SR	08/17/2023		5.8200			6.7137		**
pH (Field)	S.U.	DW-1SR	02/09/2024		5.5400			6.4337		**
pH (Field)	S.U.	DW-1SR	08/21/2024		5.6000			6.4937		**
pH (Field)	S.U.	DW-1SR	02/10/2025		5.6600			6.5537		**
pH (Field)	S.U.	DW-2SR	08/28/2014	yes	5.0800					
pH (Field)	S.U.	DW-2SR	02/13/2015	yes	4.6000					
pH (Field)	S.U.	DW-2SR	08/17/2015	yes	4.0400					
pH (Field)	S.U.	DW-2SR	12/17/2015	yes	3.6500					
pH (Field)	S.U.	DW-2SR	02/15/2016	yes	4.1100					
pH (Field)	S.U.	DW-2SR	02/25/2016	yes	4.0600					
pH (Field)	S.U.	DW-2SR	05/05/2016	yes	3.9100					
pH (Field)	S.U.	DW-2SR	08/04/2016	yes	4.2100					
pH (Field)	S.U.	DW-2SR	11/02/2016	yes	4.2300					
pH (Field)	S.U.	DW-2SR	02/13/2017	yes	4.3000					
pH (Field)	S.U.	DW-2SR	05/03/2017	yes	4.0500					
pH (Field)	S.U.	DW-2SR	08/16/2017	yes	4.1400					
pH (Field)	S.U.	DW-2SR	11/07/2017	yes	4.0700					
pH (Field)	S.U.	DW-2SR	02/09/2018	yes	4.0400					
pH (Field)	S.U.	DW-2SR	03/29/2018	yes	3.9100					
pH (Field)	S.U.	DW-2SR	08/23/2018	yes	4.6500					
pH (Field)	S.U.	DW-2SR	02/08/2019	yes	4.1300					
pH (Field)	S.U.	DW-2SR	08/27/2019	yes	4.6100					
pH (Field)	S.U.	DW-2SR	02/12/2020	yes	4.4300					
pH (Field)	S.U.	DW-2SR	08/24/2020	yes	4.4400					
pH (Field)	S.U.	DW-2SR	02/08/2021	yes	5.2900					
pH (Field)	S.U.	DW-2SR	08/20/2021	yes	5.5800					
pH (Field)	S.U.	DW-2SR	02/10/2022		5.5000			5.1463		
pH (Field)	S.U.	DW-2SR	08/16/2022		5.6800			6.1303		
pH (Field)	S.U.	DW-2SR	02/10/2023		5.7000			7.1343		**

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
pH (Field)	S.U.	DW-2SR	08/17/2023		5.8100			7.2443		**
pH (Field)	S.U.	DW-2SR	02/09/2024		5.8300			7.2643		**
pH (Field)	S.U.	DW-2SR	08/21/2024		5.5300			6.9643		**
pH (Field)	S.U.	DW-2SR	02/10/2025		5.9800			7.4143		**
pH (Field)	S.U.	DW-3SR	08/28/2014	yes	4.5200					
pH (Field)	S.U.	DW-3SR	02/13/2015	yes	4.5200					
pH (Field)	S.U.	DW-3SR	08/17/2015	yes	4.4300					
pH (Field)	S.U.	DW-3SR	12/17/2015	yes	4.4500					
pH (Field)	S.U.	DW-3SR	02/16/2016	yes	4.4400					
pH (Field)	S.U.	DW-3SR	02/25/2016	yes	4.6100					
pH (Field)	S.U.	DW-3SR	05/05/2016	yes	4.3300					
pH (Field)	S.U.	DW-3SR	08/04/2016	yes	4.3400					
pH (Field)	S.U.	DW-3SR	11/03/2016	yes	4.5300					
pH (Field)	S.U.	DW-3SR	02/13/2017	yes	4.5400					
pH (Field)	S.U.	DW-3SR	05/03/2017	yes	4.4600					
pH (Field)	S.U.	DW-3SR	08/16/2017	yes	4.4400					
pH (Field)	S.U.	DW-3SR	11/07/2017	yes	4.4400					
pH (Field)	S.U.	DW-3SR	02/09/2018	yes	4.3200					
pH (Field)	S.U.	DW-3SR	03/29/2018	yes	4.3700					
pH (Field)	S.U.	DW-3SR	08/23/2018	yes	4.1500					
pH (Field)	S.U.	DW-3SR	02/08/2019	yes	5.6300					
pH (Field)	S.U.	DW-3SR	08/27/2019	yes	4.5800					
pH (Field)	S.U.	DW-3SR	02/12/2020	yes	4.3600					
pH (Field)	S.U.	DW-3SR	08/25/2020	yes	4.4100					
pH (Field)	S.U.	DW-3SR	02/08/2021	yes	4.6600					
pH (Field)	S.U.	DW-3SR	08/20/2021	yes	5.3300					
pH (Field)	S.U.	DW-3SR	02/10/2022		5.3200			5.0743		
pH (Field)	S.U.	DW-3SR	08/16/2022		5.2500			5.5395		
pH (Field)	S.U.	DW-3SR	02/10/2023		5.2500			6.0048		
pH (Field)	S.U.	DW-3SR	08/17/2023		5.3100			6.5300		**
pH (Field)	S.U.	DW-3SR	02/09/2024		5.1200			6.3400		**
pH (Field)	S.U.	DW-3SR	08/21/2024		5.3800			6.6000		**
pH (Field)	S.U.	DW-3SR	02/10/2025		5.3100			6.5300		**
pH (Field)	S.U.	DW-4SR	08/28/2014	yes	4.9200					
pH (Field)	S.U.	DW-4SR	02/13/2015	yes	5.1300					
pH (Field)	S.U.	DW-4SR	08/17/2015	yes	5.3000					
pH (Field)	S.U.	DW-4SR	12/17/2015	yes	4.7200					
pH (Field)	S.U.	DW-4SR	02/16/2016	yes	5.0400					
pH (Field)	S.U.	DW-4SR	02/25/2016	yes	4.9800					
pH (Field)	S.U.	DW-4SR	05/05/2016	yes	4.9900					
pH (Field)	S.U.	DW-4SR	08/04/2016	yes	4.6100					
pH (Field)	S.U.	DW-4SR	11/03/2016	yes	4.9100					
pH (Field)	S.U.	DW-4SR	02/13/2017	yes	5.0400					
pH (Field)	S.U.	DW-4SR	05/03/2017	yes	4.9700					
pH (Field)	S.U.	DW-4SR	08/16/2017	yes	4.2000					
pH (Field)	S.U.	DW-4SR	11/07/2017	yes	4.6400					
pH (Field)	S.U.	DW-4SR	02/09/2018	yes	4.9100					
pH (Field)	S.U.	DW-4SR	08/23/2018	yes	4.5300					
pH (Field)	S.U.	DW-4SR	02/08/2019	yes	4.9400					
pH (Field)	S.U.	DW-4SR	08/27/2019	yes	4.9200					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
pH (Field)	S.U.	DW-4SR	02/12/2020	yes	4.9200					
pH (Field)	S.U.	DW-4SR	08/25/2020	yes	4.9000					
pH (Field)	S.U.	DW-4SR	02/08/2021	yes	5.5300					
pH (Field)	S.U.	DW-4SR	08/20/2021	yes	5.4400					
pH (Field)	S.U.	DW-4SR	02/11/2022		5.4000			5.1779		
pH (Field)	S.U.	DW-4SR	08/16/2022		5.6500			5.6752		
pH (Field)	S.U.	DW-4SR	02/10/2023		5.5900			6.1126		
pH (Field)	S.U.	DW-4SR	08/18/2023		6.1200			7.0800		**
pH (Field)	S.U.	DW-4SR	02/09/2024		6.1700			7.1300		**
pH (Field)	S.U.	DW-4SR	08/21/2024		5.8100			6.7700		**
pH (Field)	S.U.	DW-4SR	02/10/2025		6.1400			7.1000		**
Residue, filterable (tds)	mg/L	DW-1SR	08/28/2014	yes	180.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/13/2015	yes	220.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/17/2015	yes	350.0000					
Residue, filterable (tds)	mg/L	DW-1SR	12/17/2015	yes	500.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/15/2016	yes	360.0000					
Residue, filterable (tds)	mg/L	DW-1SR	05/05/2016	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/04/2016	yes	240.0000					
Residue, filterable (tds)	mg/L	DW-1SR	11/02/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/13/2017	yes	170.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/16/2017	yes	150.0000					
Residue, filterable (tds)	mg/L	DW-1SR	11/07/2017	yes	150.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/09/2018	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/23/2018	yes	1400.0000		yes			*
Residue, filterable (tds)	mg/L	DW-1SR	02/08/2019	yes	1100.0000		yes			*
Residue, filterable (tds)	mg/L	DW-1SR	08/27/2019	yes	220.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/12/2020	yes	160.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/24/2020	yes	148.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/08/2021	yes	155.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/20/2021	yes	288.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2022		178.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/16/2022		147.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2023		176.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/17/2023		135.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	02/09/2024		135.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/21/2024		160.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2025		96.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-2SR	08/28/2014	yes	290.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/13/2015	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/17/2015	yes	1200.0000					
Residue, filterable (tds)	mg/L	DW-2SR	12/17/2015	yes	870.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/15/2016	yes	690.0000					
Residue, filterable (tds)	mg/L	DW-2SR	05/05/2016	yes	360.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/04/2016	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-2SR	11/02/2016	yes	270.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/13/2017	yes	220.0000					
Residue, filterable (tds)	mg/L	DW-2SR	05/03/2017	yes	320.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/16/2017	yes	210.0000					
Residue, filterable (tds)	mg/L	DW-2SR	11/07/2017	yes	810.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/09/2018	yes	620.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Residue, filterable (tds)	mg/L	DW-2SR	03/29/2018	yes	650.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/23/2018	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/08/2019	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/27/2019	yes	110.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/12/2020	yes	88.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/24/2020	yes	63.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/08/2021	yes	60.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/20/2021	yes	71.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2022		79.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/16/2022		63.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2023		94.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/17/2023		70.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	02/09/2024		56.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/21/2024		76.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2025		154.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-3SR	08/28/2014	yes	540.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/13/2015	yes	420.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/17/2015	yes	350.0000					
Residue, filterable (tds)	mg/L	DW-3SR	12/17/2015	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/16/2016	yes	370.0000					
Residue, filterable (tds)	mg/L	DW-3SR	05/05/2016	yes	280.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/04/2016	yes	260.0000					
Residue, filterable (tds)	mg/L	DW-3SR	11/03/2016	yes	460.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/13/2017	yes	430.0000					
Residue, filterable (tds)	mg/L	DW-3SR	05/03/2017	yes	150.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/16/2017	yes	160.0000					
Residue, filterable (tds)	mg/L	DW-3SR	11/07/2017	yes	950.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/09/2018	yes	730.0000					
Residue, filterable (tds)	mg/L	DW-3SR	03/29/2018	yes	600.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/23/2018	yes	1000.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/08/2019	yes	1100.0000		yes			*
Residue, filterable (tds)	mg/L	DW-3SR	08/27/2019	yes	1800.0000		yes			*
Residue, filterable (tds)	mg/L	DW-3SR	02/12/2020	yes	720.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/25/2020	yes	430.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/08/2021	yes	264.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/20/2021	yes	346.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2022		118.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/16/2022		328.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2023		200.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/17/2023		90.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	02/09/2024		254.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/21/2024		783.0000			601.4989		
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2025		271.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-4SR	08/28/2014	yes	720.0000		yes			*
Residue, filterable (tds)	mg/L	DW-4SR	02/13/2015	yes	340.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/17/2015	yes	200.0000					
Residue, filterable (tds)	mg/L	DW-4SR	12/17/2015	yes	160.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/16/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	05/05/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/04/2016	yes	140.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Residue, filterable (tds)	mg/L	DW-4SR	11/03/2016	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/13/2017	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-4SR	05/03/2017	yes	270.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/16/2017	yes	200.0000					
Residue, filterable (tds)	mg/L	DW-4SR	11/07/2017	yes	200.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/09/2018	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/23/2018	yes	93.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/08/2019	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/27/2019	yes	110.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/12/2020	yes	97.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/25/2020	yes	79.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/08/2021	yes	75.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/20/2021	yes	80.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/11/2022		132.0000			159.6842		
Residue, filterable (tds)	mg/L	DW-4SR	08/16/2022		153.0000			159.6842		
Residue, filterable (tds)	mg/L	DW-4SR	02/10/2023		264.0000			212.5394		
Residue, filterable (tds)	mg/L	DW-4SR	08/18/2023		353.0000			354.3946		
Residue, filterable (tds)	mg/L	DW-4SR	02/09/2024		236.0000			379.2499		
Residue, filterable (tds)	mg/L	DW-4SR	08/21/2024		153.0000			321.1051		
Residue, filterable (tds)	mg/L	DW-4SR	02/10/2025		391.0000			500.9603		
Selenium	ug/L	DW-1SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	02/15/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	11/02/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/24/2020	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/10/2022		20.0000	ND				
Selenium	ug/L	DW-1SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-1SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-1SR	08/17/2023		20.0000	ND				
Selenium	ug/L	DW-1SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-1SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-1SR	02/10/2025		20.0000	ND				
Selenium	ug/L	DW-2SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	12/17/2015	yes	15.0000	ND			20.0000	***

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium	ug/L	DW-2SR	02/15/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	11/02/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	05/03/2017	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/24/2020	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/10/2022		20.0000	ND				
Selenium	ug/L	DW-2SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-2SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-2SR	08/17/2023		20.0000	ND				
Selenium	ug/L	DW-2SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-2SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-2SR	02/10/2025		20.0000	ND				
Selenium	ug/L	DW-3SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	02/16/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	11/03/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	05/03/2017	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/25/2020	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/10/2022		20.0000	ND				
Selenium	ug/L	DW-3SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-3SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-3SR	08/17/2023		20.0000	ND				
Selenium	ug/L	DW-3SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-3SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-3SR	02/10/2025		20.0000	ND				

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium	ug/L	DW-4SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	02/16/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	11/03/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	05/03/2017	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/25/2020	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/11/2022		20.0000	ND				
Selenium	ug/L	DW-4SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-4SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-4SR	08/18/2023		20.0000	ND				
Selenium	ug/L	DW-4SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-4SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-4SR	02/10/2025		20.0000	ND				
Sulfate	mg/L	DW-1SR	12/17/2015	yes	240.0000					
Sulfate	mg/L	DW-1SR	02/15/2016	yes	160.0000					
Sulfate	mg/L	DW-1SR	05/05/2016	yes	140.0000					
Sulfate	mg/L	DW-1SR	08/04/2016	yes	76.0000					
Sulfate	mg/L	DW-1SR	11/02/2016	yes	19.0000					
Sulfate	mg/L	DW-1SR	02/13/2017	yes	25.0000					
Sulfate	mg/L	DW-1SR	08/16/2017	yes	11.0000					
Sulfate	mg/L	DW-1SR	11/07/2017	yes	10.0000					
Sulfate	mg/L	DW-1SR	02/09/2018	yes	7.6000					
Sulfate	mg/L	DW-1SR	08/23/2018	yes	930.0000		yes			*
Sulfate	mg/L	DW-1SR	02/08/2019	yes	700.0000		yes			*
Sulfate	mg/L	DW-1SR	08/27/2019	yes	84.0000					
Sulfate	mg/L	DW-1SR	02/12/2020	yes	52.0000					
Sulfate	mg/L	DW-1SR	08/24/2020	yes	37.2000					
Sulfate	mg/L	DW-1SR	02/08/2021	yes	42.6000					
Sulfate	mg/L	DW-1SR	08/20/2021	yes	134.0000					
Sulfate	mg/L	DW-1SR	02/10/2022		56.5000			74.1714		
Sulfate	mg/L	DW-1SR	08/16/2022		39.4000			74.1714		
Sulfate	mg/L	DW-1SR	02/10/2023		56.9000			74.1714		
Sulfate	mg/L	DW-1SR	08/17/2023		22.5000			74.1714		
Sulfate	mg/L	DW-1SR	02/09/2024		24.0000			74.1714		
Sulfate	mg/L	DW-1SR	08/21/2024		28.8000			74.1714		
Sulfate	mg/L	DW-1SR	02/10/2025		16.6000			74.1714		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Sulfate	mg/L	DW-2SR	12/17/2015	yes	510.0000					
Sulfate	mg/L	DW-2SR	02/15/2016	yes	370.0000					
Sulfate	mg/L	DW-2SR	05/05/2016	yes	160.0000					
Sulfate	mg/L	DW-2SR	08/04/2016	yes	150.0000					
Sulfate	mg/L	DW-2SR	11/02/2016	yes	140.0000					
Sulfate	mg/L	DW-2SR	02/13/2017	yes	120.0000					
Sulfate	mg/L	DW-2SR	05/03/2017	yes	160.0000					
Sulfate	mg/L	DW-2SR	08/16/2017	yes	43.0000					
Sulfate	mg/L	DW-2SR	11/07/2017	yes	160.0000					
Sulfate	mg/L	DW-2SR	02/09/2018	yes	170.0000					
Sulfate	mg/L	DW-2SR	08/23/2018	yes	88.0000					
Sulfate	mg/L	DW-2SR	02/08/2019	yes	170.0000					
Sulfate	mg/L	DW-2SR	08/27/2019	yes	15.0000					
Sulfate	mg/L	DW-2SR	02/12/2020	yes	13.0000					
Sulfate	mg/L	DW-2SR	08/24/2020	yes	5.8000					
Sulfate	mg/L	DW-2SR	02/08/2021	yes	6.4200					
Sulfate	mg/L	DW-2SR	08/20/2021	yes	6.2000					
Sulfate	mg/L	DW-2SR	02/10/2022		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	08/16/2022		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	02/10/2023		9.6400			134.5541		
Sulfate	mg/L	DW-2SR	08/17/2023		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	02/09/2024		6.3900			134.5541		
Sulfate	mg/L	DW-2SR	08/21/2024		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	02/10/2025		41.3000			134.5541		
Sulfate	mg/L	DW-3SR	12/17/2015	yes	180.0000					
Sulfate	mg/L	DW-3SR	02/16/2016	yes	210.0000					
Sulfate	mg/L	DW-3SR	05/05/2016	yes	71.0000					
Sulfate	mg/L	DW-3SR	08/04/2016	yes	140.0000					
Sulfate	mg/L	DW-3SR	11/03/2016	yes	270.0000					
Sulfate	mg/L	DW-3SR	02/13/2017	yes	260.0000					
Sulfate	mg/L	DW-3SR	05/03/2017	yes	8.6000		yes			*
Sulfate	mg/L	DW-3SR	08/16/2017	yes	37.0000		yes			*
Sulfate	mg/L	DW-3SR	11/07/2017	yes	240.0000					
Sulfate	mg/L	DW-3SR	02/09/2018	yes	180.0000					
Sulfate	mg/L	DW-3SR	08/23/2018	yes	720.0000					
Sulfate	mg/L	DW-3SR	02/08/2019	yes	1200.0000		yes			*
Sulfate	mg/L	DW-3SR	08/27/2019	yes	1200.0000		yes			*
Sulfate	mg/L	DW-3SR	02/12/2020	yes	520.0000					
Sulfate	mg/L	DW-3SR	08/25/2020	yes	248.0000					
Sulfate	mg/L	DW-3SR	02/08/2021	yes	150.0000					
Sulfate	mg/L	DW-3SR	08/20/2021	yes	176.0000					
Sulfate	mg/L	DW-3SR	02/10/2022		41.5000			258.8462		
Sulfate	mg/L	DW-3SR	08/16/2022		148.0000			258.8462		
Sulfate	mg/L	DW-3SR	02/10/2023		95.4000			258.8462		
Sulfate	mg/L	DW-3SR	08/17/2023		36.9000			258.8462		
Sulfate	mg/L	DW-3SR	02/09/2024		149.0000			258.8462		
Sulfate	mg/L	DW-3SR	08/21/2024		496.0000			365.3041		
Sulfate	mg/L	DW-3SR	02/10/2025		262.0000			258.8462		
Sulfate	mg/L	DW-4SR	12/17/2015	yes	64.0000					
Sulfate	mg/L	DW-4SR	02/16/2016	yes	54.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Sulfate	mg/L	DW-4SR	05/05/2016	yes	32.0000					
Sulfate	mg/L	DW-4SR	08/04/2016	yes	57.0000					
Sulfate	mg/L	DW-4SR	11/03/2016	yes	84.0000					
Sulfate	mg/L	DW-4SR	02/13/2017	yes	61.0000					
Sulfate	mg/L	DW-4SR	05/03/2017	yes	120.0000					
Sulfate	mg/L	DW-4SR	08/16/2017	yes	94.0000					
Sulfate	mg/L	DW-4SR	11/07/2017	yes	87.0000					
Sulfate	mg/L	DW-4SR	02/09/2018	yes	70.0000					
Sulfate	mg/L	DW-4SR	08/23/2018	yes	47.0000					
Sulfate	mg/L	DW-4SR	02/08/2019	yes	65.0000					
Sulfate	mg/L	DW-4SR	08/27/2019	yes	25.0000					
Sulfate	mg/L	DW-4SR	02/12/2020	yes	17.0000					
Sulfate	mg/L	DW-4SR	08/25/2020	yes	16.7000					
Sulfate	mg/L	DW-4SR	02/08/2021	yes	5.7000					
Sulfate	mg/L	DW-4SR	08/20/2021	yes	40.0000					
Sulfate	mg/L	DW-4SR	02/11/2022		8.9800			55.2588		
Sulfate	mg/L	DW-4SR	08/16/2022		7.6400			55.2588		
Sulfate	mg/L	DW-4SR	02/10/2023		27.8000			55.2588		
Sulfate	mg/L	DW-4SR	08/18/2023		40.8000			55.2588		
Sulfate	mg/L	DW-4SR	02/09/2024		59.2000			55.2588		
Sulfate	mg/L	DW-4SR	08/21/2024		14.8000			55.2588		
Sulfate	mg/L	DW-4SR	02/10/2025		90.5000			67.4472		
Thallium	ug/L	DW-1SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/13/2015	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/15/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	11/02/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/24/2020	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/10/2022		1.0000	ND				
Thallium	ug/L	DW-1SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-1SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-1SR	08/17/2023		1.0000	ND				
Thallium	ug/L	DW-1SR	02/09/2024		1.0000	ND				
Thallium	ug/L	DW-1SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-1SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-2SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/13/2015	yes	1.0000	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	
Thallium	ug/L	DW-2SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/15/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	11/02/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	05/03/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/24/2020	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/10/2022		1.0000	ND				
Thallium	ug/L	DW-2SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-2SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-2SR	08/17/2023		1.0000	ND				
Thallium	ug/L	DW-2SR	02/09/2024		1.0000	ND				
Thallium	ug/L	DW-2SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-2SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-3SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/13/2015	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/16/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	11/03/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	05/03/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/25/2020	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/10/2022		1.0000	ND				
Thallium	ug/L	DW-3SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-3SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-3SR	08/17/2023		1.0000	ND				
Thallium	ug/L	DW-3SR	02/09/2024		1.0000	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	
Thallium	ug/L	DW-3SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-3SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-4SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/13/2015	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/16/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	11/03/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	05/03/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/25/2020	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/11/2022		1.0000	ND				
Thallium	ug/L	DW-4SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-4SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-4SR	08/18/2023		1.0000	ND				
Thallium	ug/L	DW-4SR	02/09/2024		1.0000	ND				
Thallium	ug/L	DW-4SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-4SR	02/10/2025		1.0000	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 4

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium	ug/L	DW-4SR	08/28/2014	100.0000		08/28/2014-08/20/2021	20	0.5381
Boron	ug/L	DW-1SR	08/23/2018	610.0000		12/17/2015-08/20/2021	16	0.6177
Boron	ug/L	DW-1SR	02/08/2019	660.0000		12/17/2015-08/20/2021	16	0.6177
Chloride	mg/L	DW-4SR	08/28/2014	29.0000		08/28/2014-08/20/2021	20	0.5381
Fluoride	mg/L	DW-1SR	02/15/2016	2.5000	< 2.5000	12/17/2015-08/20/2021	16	0.5973
Sulfate	mg/L	DW-3SR	05/03/2017	8.6000		12/17/2015-08/20/2021	15	0.6403
Sulfate	mg/L	DW-3SR	08/16/2017	37.0000		12/17/2015-08/20/2021	15	0.6403

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.

Table 1**Historical Volatile Organic Compound Detections**

Constituent	Well	Date	Identifier	Result	Limit	Units
Toluene	BW-1S	10/05/2011		6.7	1.0	ug/L
Toluene	BW-2S	10/05/2011		4.0	1.0	ug/L
Toluene	BW-2S	2/14/2012		1.1	1.0	ug/L
Toluene	BW-3SR	8/23/2018		1.60	1.00	ug/L
Toluene	BW-3SR	8/21/2024		3.46	1.00	ug/L
Methylene chloride	DW-3SR	2/16/2016		2.5	2.0	ug/L
Methylene chloride	DW-4SR	2/16/2016		2.2	2.0	ug/L

Detections are shown for the constituents and sample points selected for the analysis
The Limit column refers to the laboratory reporting limit

Table 1

Analytical Data Summary for BW-1S

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/2/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/8/2018	8/23/2018	2/8/2019	8/27/2019	2/11/2020
Radium-226	pCi/L	.234	<.185	.313	.354	.283	.253	.448	.327	.372	.299	.481	.200	.136	<.208
Radium-228	pCi/L	.1510	<.6700	.4350	.4730	.8050	.7670	.4480	.6960	.5760	<.4910	.9840	.7950	<.6620	.8670

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

Table 1

Analytical Data Summary for BW-1S

Constituents	8/24/2020	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	.330	.266	.236	.154	<1.000	.955	<1.000	1.070	2.360	.157
Radium-228	.0737	.0868	-.1210	1.7500	<1.0000	1.2700	<1.0000	<1.0000	.6830	.1110

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

Table 2

Analytical Data Summary for BW-2S

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/2/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/8/2018	8/23/2018	2/8/2019	8/27/2019	2/11/2020
Radium-226	pCi/L	.630	.520	.659	.477	.340	.364	.278	.306	.294	.285	.828	.327	.292	.441
Radium-228	pCi/L	<.2960	<.7680	.3290	.1940	<.3840	.6390	.8500	.8060	.3800	<.3690	<.5420	<.3520	<.6120	.7220

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

Table 2

Analytical Data Summary for BW-2S

Constituents	8/24/2020	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	.534	.344	.353	.318	<1.000	.541	1.030	<1.000	.942	.655
Radium-228	<.0010	<.0001	.2330	.8160	<1.0000	1.3900	<1.0000	<1.0000	-.4030	-.1770

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

Table 3

Analytical Data Summary for BW-3SR

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/3/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/8/2018	8/23/2018	2/8/2019	8/27/2019	2/11/2020
Radium-226	pCi/L	.4560	.2870	.4410	5.8000	<.3640	.2960	2.1100	.2320	.3020	.2100	.6970	.4390	.7660	.6630
Radium-228	pCi/L	.271	<.627	<.497	1.700	.494	.700	7.910	.375	.431	<.382	<.819	1.130	.503	<.456

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

Table 3

Analytical Data Summary for BW-3SR

Constituents	8/24/2020	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	.0765	.3400	1.2700	.7090	<1.0000	1.1100	<1.0000	1.1900	1.5400	.4000
Radium-228	<.001	.815	2.000	1.450	1.010	1.820	<1.000	<1.000	2.290	1.190

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

Table 4

Analytical Data Summary for BW-4S

Constituents	Units	12/17/2015	2/24/2016	5/5/2016	8/4/2016	11/2/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/8/2018	8/23/2018	2/8/2019	8/27/2019	2/11/2020
Radium-226	pCi/L	18.90	14.10	9.37	4.86	9.70	6.90	12.80	14.80	20.10	21.10	24.00	8.46	10.40	7.92
Radium-228	pCi/L	4.74	4.60	4.36	1.33	3.17	3.34	6.33	7.22	9.39	9.59	10.30	4.03	4.05	3.33

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

Table 4

Analytical Data Summary for BW-4S

Constituents	8/24/2020	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	4.37	10.50	15.40	7.29	7.12	17.90	13.80	11.60	12.80	14.70
Radium-228	2.44	4.13	9.40	8.14	5.31	7.82	4.40	3.02	3.67	8.39

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

Table 5

Analytical Data Summary for BW-5S

Constituents	Units	2/24/2016	5/5/2016	8/4/2016	11/2/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/8/2018	8/23/2018	2/8/2019	8/27/2019	2/11/2020	8/24/2020
Radium-226	pCi/L	.588	.515	.865	4.330	13.100	9.790	.416	1.610	10.100	.641	3.190	.398	5.030	5.420
Radium-228	pCi/L	<.8540	.0838	.5770	3.6200	17.5000	14.4000	<.3570	1.7700	11.3000	<.4850	3.3800	<.4700	4.1600	7.8900

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

Table 5

Analytical Data Summary for BW-5S

Constituents	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	2.920	.472	1.380	3.300	5.480	8.240	4.890	2.100	1.170
Radium-228	2.7300	-.2490	3.1500	5.2000	4.2900	8.7400	2.5400	.6920	.6460

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

Table 6

Analytical Data Summary for DW-1SR

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/2/2016	2/13/2017	8/16/2017	11/7/2017	2/9/2018	8/23/2018	2/8/2019	8/27/2019	2/12/2020	8/24/2020
Radium-226	pCi/L	1.0500	.7060	.4600	.3090	.0334	.1790	.1920	.2700	.1390	1.8900	.6610	<.1640	<.1620	.2310
Radium-228	pCi/L	.484	1.200	.133	.176	.354	<.965	<.512	1.010	<.384	1.580	.675	<.693	<.727	.757

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

Table 6

Analytical Data Summary for DW-1SR

Constituents	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	.0870	.4080	.1330	<1.0000	.2290	<1.0000	1.4100	.9990	.0000
Radium-228	.259	.792	2.450	<1.000	.425	1.120	<1.000	.724	-.956

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

Table 7

Analytical Data Summary for DW-2SR

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/2/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/9/2018	8/23/2018	2/8/2019	8/27/2019	2/12/2020
Radium-226	pCi/L	3.4500	2.5600	.7790	.9910	.9760	.4350	.5610	.3650	1.6600	.8610	.8030	.8570	.1060	<.1330
Radium-228	pCi/L	8.9000	8.1300	1.5600	2.0000	1.7900	2.6200	1.4500	1.0400	4.7800	2.8000	.9270	2.5000	<.6160	<.6390

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

Table 7

Analytical Data Summary for DW-2SR

Constituents	8/24/2020	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	<.0010	.0929	-.0290	.3510	<1.0000	.4530	<1.0000	<1.0000	1.4800	.1360
Radium-228	.6020	.0361	-.2960	.2780	<1.0000	1.3900	<1.0000	<1.0000	-.8660	.0276

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

Table 8

Analytical Data Summary for DW-3SR

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/3/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/9/2018	8/23/2018	2/8/2019	8/27/2019	2/12/2020
Radium-226	pCi/L	1.830	.927	1.080	1.260	2.180	1.480	.251	.642	2.070	1.610	3.690	4.030	3.690	1.140
Radium-228	pCi/L	1.600	.730	1.820	1.240	4.270	3.860	.406	.866	3.330	4.570	6.060	10.800	7.100	3.170

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

Table 8

Analytical Data Summary for DW-3SR

Constituents	8/25/2020	2/8/2021	8/20/2021	2/10/2022	8/16/2022	2/10/2023	8/17/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	1.000	.550	.603	.208	<1.000	1.380	<1.000	1.240	3.570	.723
Radium-228	4.090	1.570	1.960	1.200	1.660	2.930	1.120	<1.000	1.810	.268

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

Table 9

Analytical Data Summary for DW-4SR

Constituents	Units	12/17/2015	2/25/2016	5/5/2016	8/4/2016	11/3/2016	2/13/2017	5/3/2017	8/16/2017	11/7/2017	2/9/2018	8/23/2018	2/8/2019	8/27/2019	2/12/2020
Radium-226	pCi/L	1.290	1.120	.888	2.170	2.440	1.420	1.790	1.780	1.540	.881	1.870	1.410	1.080	1.220
Radium-228	pCi/L	1.240	1.060	.583	1.410	2.720	.884	1.980	3.100	2.540	.839	1.980	1.620	1.320	1.170

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

Table 9

Analytical Data Summary for DW-4SR

Constituents	8/25/2020	2/8/2021	8/20/2021	2/11/2022	8/16/2022	2/10/2023	8/18/2023	2/9/2024	8/21/2024	2/10/2025
Radium-226	.822	.822	1.530	.820	<1.000	1.940	3.170	2.020	3.620	1.250
Radium-228	2.240	.934	2.250	2.780	1.380	3.400	1.420	2.150	1.690	1.600

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

Radium-226
for sample point BW-2S

pCi / L

Year

Median ND ◇

Year	Concentration (pCi/L)
15	0.6
16	0.6
17	0.4
18	0.3
19	0.9
20	0.3
21	0.6
22	0.3
23	1.0
24	1.0
25	0.6
26	1.0

Radium-226
for sample point BW-3SR

Detect ☒ ☐

ND ☐

Trend test ☐

Samples ☒ ☒

Year 15 16 17 18 19 20 21 22 23 24 25 26

Median ND ☒

Radium-226
for sample point BW-4S

Legend:
Detect
ND

Trend test

Samples

Year	Activity Concentration (pCi/L)
16	15
17	10
18	12
19	15
20	10
21	10
22	12
23	15
24	12
25	12

Radium-226
for sample point BW-5S

Year

Year	Activity (pCi/L)
15	0.0001
16	0.0001
17	0.0001
18	0.0001
19	0.0001
20	0.0001
21	0.0001
22	0.0001
23	0.0001
24	0.0001
25	0.0001
26	0.0001

Radium-226
for sample point DW-1SR

The graph displays the concentration of Radium-226 in pCi/L over a period of 15 to 25 years. The y-axis is logarithmic, with major ticks at 0.0001, 0.001, 0.01, 0.1, 1, 10, and 100. The x-axis represents the year, with labels from 15 to 25. Data points are represented by red squares, and a red line connects them. A yellow shaded area at the bottom of the graph, between years 15 and 25, indicates the detection limit range. The concentration fluctuates significantly, with peaks around year 16 (approx. 1.2 pCi/L) and year 19 (approx. 2.0 pCi/L), and troughs around year 17 (approx. 0.04 pCi/L) and year 21 (approx. 0.08 pCi/L).

Year	Concentration (pCi/L)
15	0.0001
16	1.2
17	0.04
18	0.3
19	2.0
20	0.2
21	0.08
22	0.5
23	0.3
24	1.0
25	1.0

Radium-226
for sample point DW-2SR

pCi / L

Year

Median ND ◇

Trend test

Samples ■ □

Year	pCi / L	Status
16	3.0	Detect
17	1.0	Detect
18	0.5	Detect
19	1.0	Detect
20	0.1	Detect
21	0.0005	Detect
22	0.1	Detect
23	1.0	Detect
24	1.0	Detect
25	0.1	Detect
26	1.0	ND

Radium-226
for sample point DW-3SR

P C I / L

Year

Median ND ◇

Year	P C I / L
15	1.5
16	1.0
17	1.5
18	0.4
19	1.5
20	1.5
21	1.0
22	0.4
23	1.0
24	1.0
25	1.5
26	1.0

Radium-226
for sample point DW-4SR

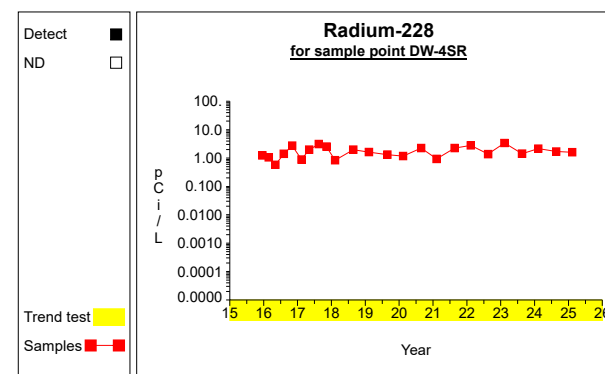
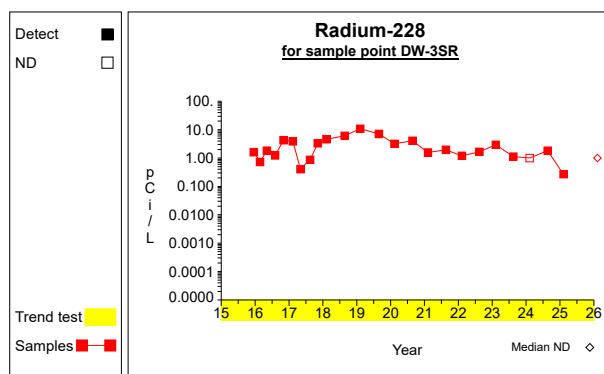
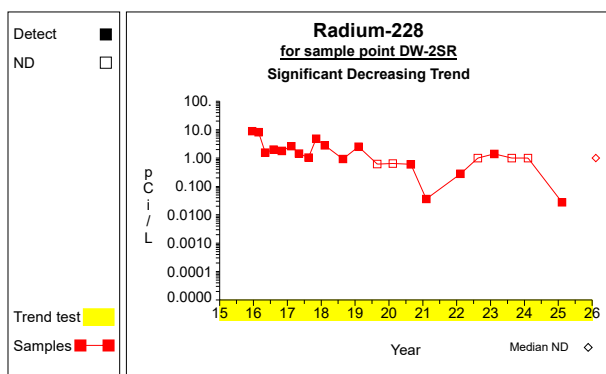
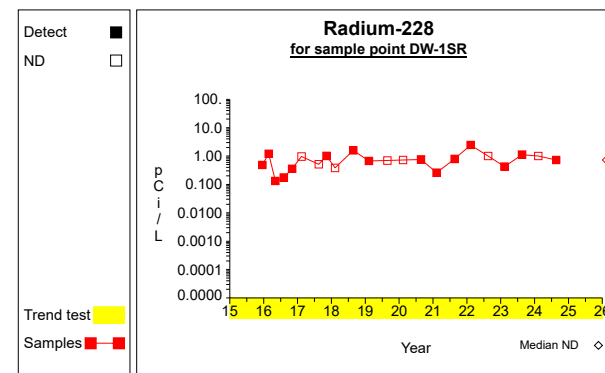
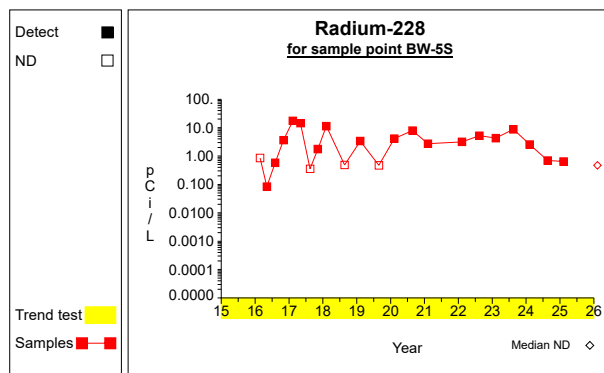
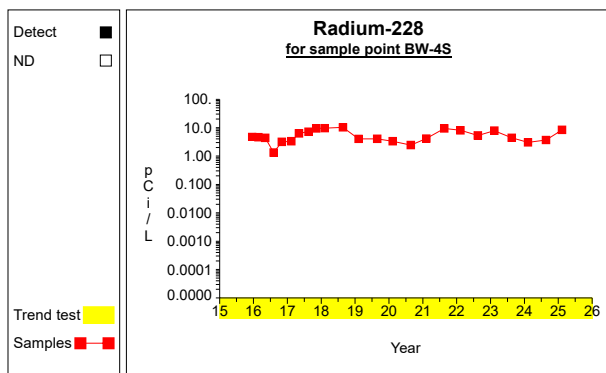
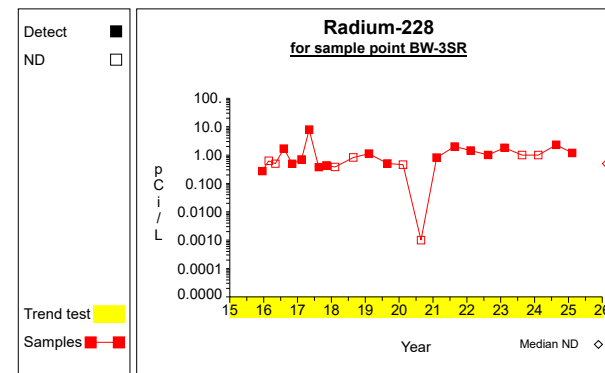
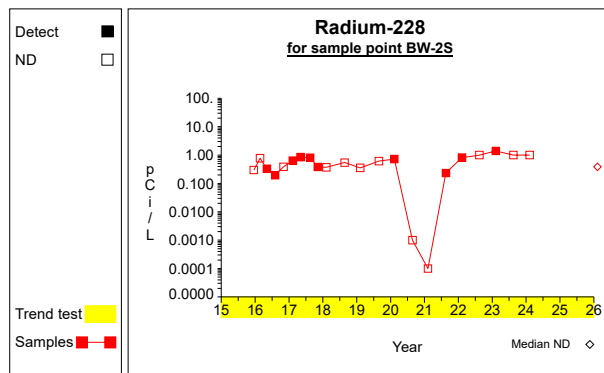
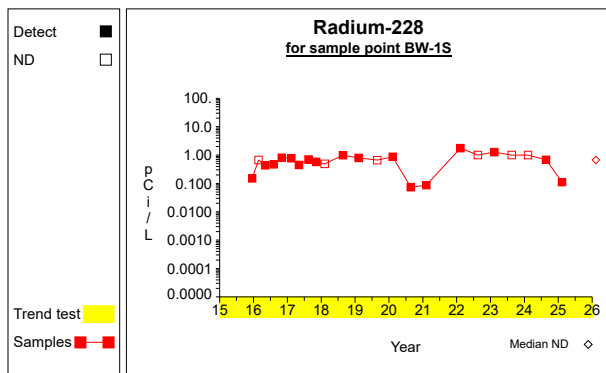
Detect
ND

Trend test

Samples

Year	Concentration (pCi/L)
16	1.5
17	3.0
18	2.5
19	3.0
20	1.5
21	1.0
22	0.8
23	1.5
24	3.0
25	4.0
26	1.5

Prepared by: Otter Creek Environmental



Water Quality Monitoring Report Second 2025 Semiannual Event

North Manatee Recycling & Disposal Facility,
Class III Landfill



November 21, 2025

Prepared for:



Waste Management Inc. of Florida
14415 CR 39
Duette, FL 33598

Prepared by:



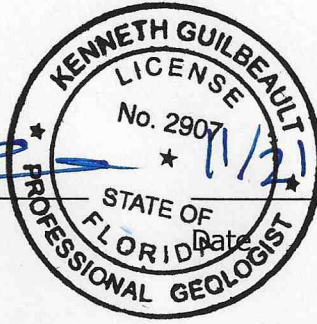
1643 Campus Park Drive, Suite B
Monroe, North Carolina 28112

STATEMENT OF GEOLOGIC REVIEW

In general accordance with Chapter 62-701, Florida Administrative Code (F.A.C.), Solid Waste Management Facilities, this Groundwater Monitoring Report – Second Semiannual Monitoring Event 2025 – for the North Manatee Recycling & Disposal Facility, Class III Landfill Site located in Duette, Florida, has been reviewed, signed, and sealed by a registered Professional Geologist in the State of Florida. This report is consistent with standard principles related to groundwater monitoring.



Ken E. Guilbeault, P.G.
Florida License # 2907



 **integrity**
environmental solutions

TABLE OF CONTENTS

1	INTRODUCTION	1
2	BACKGROUND	2
3	MONITORING PROGRAM	3
	3.1 Groundwater Monitoring Program.....	3
	3.2 Surface Water Monitoring Program.....	3
	3.3 Sample Collection Analysis.....	4
4	GROUNDWATER ELEVATION DATA	5
	4.1 Upper Surficial Aquifer.....	5
	4.2 Lower Surficial Aquifer.....	5
5	WATER QUALITY MONITORING RESULTS.....	6
	5.1 Quality Assurance and Quality Control (QA/QC) Results.....	6
	5.2 Groundwater Quality	7
	5.2.1 Organic Parameters	7
	5.2.2 Metals	7
	5.2.3 General Chemistry and Field Parameters Exceedances	8
	5.3 Surface Water Quality	8
6	SUMMARY	9

LIST OF APPENDICES

Appendix A:	Figures
Appendix B:	Tables
Appendix C:	Laboratory Analytical Results and Field Forms
Appendix D:	Report in .PDF Format and ADaPT File
Appendix E:	Statistical Evaluation Report



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name North Manatee Recycling & Disposal Facility, Class III Landfill

Address 14415 CR 39

City Duette Zip 33598 County Manatee

Telephone Number (941) 751-7494

(2) WACS Facility ID 98654

(3) DEP Permit Number 298891-005-SO/T3 and 298891-006-SC/T3

(4) Authorized Representative's Name David Phillips Title Director of Disposal Operations

Address 3750 White Lake Boulevard

City Naples Zip 33605 County Collier

Telephone Number (239) 287-0305

Email address (if available) dphilli92@wm.com

CERTIFICATION

I certify under 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 submission of false information including the possibility of fine and imprisonment.

11/21/25

(Date)

(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Atlantic Coast Consulting, Inc. (F.K.A., 920045 - ProTech)

Analytical Lab NELAC / HRS Certification # NELAP Certification E87487

Lab Name Pace Analytical National (Pace)

Address 12065 Lebanon Road, Mt. Juliet, TN 37122

Phone Number (800) 767-5859

Email address (if available) stacy.kennedy@pacelabs.com

1 INTRODUCTION

The North Manatee Recycling and Disposal Facility, Class III Landfill (Site) is operated by Waste Management Inc. of Florida (WMIF) in accordance with Florida Department of Environmental Protection (FDEP) Construction/Operation Permit Numbers 298891-005-SO/T3 & 298891-006-SC/T3 issued September 17, 2013 and subsequent modifications. The Site is classified as a Class III waste landfill and related facilities.

Integrity Environmental Solutions, LLC (Integrity) has been retained to report the results of semiannual groundwater monitoring at the Site in accordance with the Water Quality Monitoring Plan (WQMP) (Appendix 3) of the referenced permit.

This report was prepared in accordance with Florida Department of Environmental Protection (FDEP) Permit/Certification Nos. 298891-005-SO/T3 & 298891-006-SC/T3, WQMP, and Chapter 62-701.510(8)(a) Florida Administrative Code (FAC). The Permit expires on September 17, 2033.

The second semiannual 2025 sampling data were obtained during the routine semiannual monitoring event conducted August 21 and 22, 2025 (**Appendix C**). An electronic data deliverable (EDD) of the results in "ADaPT format" is attached as **Appendix D**. This EDD has been verified as uploadable into the latest version of ADaPT.

2 BACKGROUND

The Site is located at 14415 County Road 39, Duette, Florida 33598 (**Appendix A, Figure 1**). The Facility is classified as a Class III waste landfill with a total disposal area of approximately 114.2 acres. Cells 1-8 have been constructed along with ancillary facilities including the landfill office building, scales and scale house, the southern portion of the leachate transmission line servicing Cells 1-8, leachate storage area and two storage tanks, site access roads, stormwater management system and other improvements as needed for the operation of the facility. The locations of the monitoring sites are shown in **Appendix A, Figure 2**.

3 MONITORING PROGRAM

The semiannual program consists of monitoring the surficial aquifer groundwater and surface water. Semiannual reporting of the results of groundwater sampling is performed in accordance with the Site's WQMP and rule 62-701.510 (5)(c) & 7(a).

3.1 Groundwater Monitoring Program

The groundwater quality monitoring program at the Site includes 10 groundwater monitoring wells set in the surficial aquifer. Semiannual reporting of the groundwater sampling results is performed in accordance with the Site's WQMP. Monitoring well locations are shown in **Appendix A, Figure 2**. The construction detail summary for the background and detection wells are listed in **Appendix B, Table 1**.

The current permit requires semiannual sampling of the background and detection monitoring wells for the field and laboratory parameters listed below.

Field Parameters

- Static Water Level (before purging)
- Specific Conductivity
- pH
- Dissolved Oxygen
- Turbidity
- Temperature
- Color and sheens by observation

Laboratory Parameters

- Ammonia – N, Total
- Chlorides
- Iron
- Mercury
- Nitrate
- Sodium
- Total Dissolved Solids (TDS)
- Parameters listed in 40 CFR (Code of Federal Regulations) Part 258, Appendix I

3.2 Surface Water Monitoring Program

The Site's surface water monitoring system consists of two surface water monitoring locations, SW-1&2R (**Appendix A, Figure 2**).

The current permit requires semiannual sampling of the surface water locations for the field and laboratory parameters listed below when the stormwater pond is discharging to local waters of the state or from the property, whichever is closer.

Field Parameters

- Specific Conductivity
- pH
- Dissolved Oxygen
- Turbidity
- Temperature
- Color and sheens by observation

Laboratory Parameters

- Unionized Ammonia as N
- Total Hardness as CaCO₃
- Biochemical Oxygen Demand (BOD₅)
- Iron
- Mercury
- Nitrate/Nitrogen
- TDS
- Total Organic Carbon (TOC)
- Total Phosphorus
- Chlorophyll-a
- Total Nitrogen
- Chemical Oxygen Demand (COD)
- Total Suspended Solids (TSS)
- Parameters listed in the 1991 version of 40 CFR 258, Appendix I

3.3 Sample Collection Analysis

Groundwater sampling was conducted in accordance with F.A.C. Chapter 62-160 and FDEP's Standard Operating Procedures for Field Activities (DEP-SOP-001/01). Atlantic Coast Consulting, Inc. (ACC) field personnel collected groundwater samples for laboratory analysis from monitoring locations listed in **Sections 3.1 and 3.2** on August 21 and 22, 2025.

The groundwater monitoring wells sampled were purged with dedicated QED bladder pumps with Teflon-lined tubing extending to the top of the well casing. Wells were purged using low-flow sampling methods; a minimum of one well volume was purged prior to stabilization for wells where the water table is located within the well screen. Field parameters including static water level, pH, specific conductance, temperature, turbidity, dissolved oxygen, oxidation-reduction potential and color/sheen (by observation) were recorded during purging and prior to sampling. Once purging was complete, ACC field personnel collected groundwater samples from the dedicated pumps and tubing in laboratory-provided containers, and personnel placed the samples in coolers with ice. Pace Analytical National is certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP).

4 GROUNDWATER ELEVATION DATA

Integrity performed the groundwater flow assessment of the surficial aquifer using groundwater depth to water measurements obtained on August 21, 2025, during this semiannual event. The assessment included the compilation of groundwater depth measurements, the calculation of groundwater elevations, and plotting the data onto Site figures depicting the estimated groundwater flow direction. **Appendix B, Table 2** lists the monitoring locations, depths to water, and groundwater elevations.

Groundwater contour maps of the upper and lower surficial aquifer zones are presented as **Appendix A, Figure 3 and Figure 4, respectively**. These maps were generated using the Surfer® Version 16 (Surfer®) groundwater contouring computer program and reviewed by a professional geologist for additional interpretation and manual contouring to assist in the accuracy and representativeness of the contours.

4.1 Upper Surficial Aquifer

Groundwater flow typically is expected to be perpendicular to the water level contours. Therefore, the general groundwater flow direction in the upper surficial aquifer is to the southwest (**Appendix A, Figure 3**). The groundwater flow pattern is consistent with historical data.

4.2 Lower Surficial Aquifer

Groundwater flow typically is expected to be perpendicular to the water level contours. Therefore, the general groundwater flow direction in the lower surficial aquifer is to the southwest (**Appendix A, Figure 4**). The groundwater flow pattern is consistent with historical data.

5 WATER QUALITY MONITORING RESULTS

This section summarizes the results of the groundwater quality sampling for the second semiannual sampling event performed August 21 and 22, 2025.

5.1 Quality Assurance and Quality Control (QA/QC) Results

During the August 2025 sampling event, ACC field personnel collected samples and submitted the samples in coolers to Pace Analytical National for analysis. Trip blanks were shipped in the cooler with the volatile organic compounds (VOC) samples. The samples were received in good condition, properly preserved, and at proper temperatures. The laboratory provided additional QA/QC including analysis of method blanks, surrogates, laboratory control samples/laboratory control sample duplicates (LCS/LCSD), and matrix spike/matrix spike duplicates (MS/MSD). The QA/QC results are presented in the Pace Analytical National Report L1891708:

Samples collected August 21, 2025, were delayed during return shipment. Nitrate, method 300, 48-hour holding time was missed. Nitrate-nitrite, method 353.2, was analyzed to confirm.

Other QC issues identified were not considered significant and the remainder of the lab data, even if flagged, was considered usable without further qualification.

5.2 Groundwater Quality

The groundwater quality detections and exceedances of the Primary Drinking Water Standards (PDWS) or Secondary Drinking Water Standards (SDWS) are summarized in **Appendix B, Table 3**. In accordance with Chapter 62-701, FAC, groundwater results were compared to their respective PDWS or SDWS established in Chapter 62-550, FAC and incorporated via reference in Chapter 62-520, FAC. For this routine groundwater monitoring report, Groundwater Cleanup Target Levels (GCTLs) in Rule 62-777, FAC, were used for constituents that do not have a PDWS or SDWS to evaluate if a parameter is significantly above background levels. GCTLs are used as a screening tool for potential anomalies in the concentration data that may require further consideration or review. **Appendix C** includes the laboratory analytical data and field forms.

5.2.1 Organic Parameters

VOCs were not detected above the PDWS and SDWS during the second 2025 semiannual monitoring event.

There were low level VOC detections below FDEP water quality standards for carbon disulfide (**Appendix B, Table 3**). This parameter will continue to be monitored to confirm that concentrations remain below their respective regulatory standards.

5.2.2 Metals

During the August 2025 sampling event iron concentrations were reported above applicable groundwater standards in samples collected from select wells. Metals concentrations reported above method detection levels are presented in **Appendix B, Table 3**.

During this sampling event, the concentration of iron in the groundwater in the surficial aquifer ranged from 14.1 **U** $\mu\text{g/L}$ to 2,430 $\mu\text{g/L}$. Detectable iron concentrations in collected samples were reported over the SDWS of 300 $\mu\text{g/L}$ in background wells BW-1S, BW-2S, BW-3SR, BW-4S, and detection well DW-5SR. The iron detections at these wells are consistent with historical data.

It appears that the presence of iron in the groundwater is related to the dissolution of naturally-occurring iron from the soil due to redox reactions. Iron concentrations will continue to be observed at the Site's monitoring wells.

5.2.3 General Chemistry and Field Parameters Exceedances

Field pH concentrations in collected samples from some wells was reported above the applicable standards. These parameters are discussed below.

pH

The FDEP SDWS range of 6.5 units to 8.5 units for pH was not met at background monitoring wells and detection monitoring wells during the second 2025 semiannual sampling event. Low groundwater pH in this region is the result of low pH in precipitation, rapid recharge, and the little buffering capacity of the surficial sands. The pH levels observed at the Site are characteristic of the groundwater in this region of Florida.

5.3 Surface Water Quality

Surface water analytical results were compared to Class III WQS. Standards are provided in **Appendix B, Table 4**. In some cases, F.A.C. Chapter 62-302.530 requires calculations for Class III standards based on sample hardness. A surface water sample was collected on September 18, 2025. During the second 2025 monitoring event, samples were obtained from the Surface Water Location SW1&2R.

Silver was above the Class III WQS of less than 0.07 µg/L at surface water location SW-1&2R (8.39 µg/l). This concentration is above historical data. There were no other exceedances of surface water criteria during the September 2025 monitoring event. Appendix A includes the laboratory analytical data and field forms for surface water sampling location SW-1&2R.

6 SUMMARY

The groundwater flow assessment indicates a groundwater flow generally to the southwest in the upper and lower surficial aquifer.

No VOCs were detected above their respective MCLs during the August 2025 sampling event.

In select monitoring wells, the iron and pH concentrations exceeded their applicable SDWS. Monitoring wells exhibited concentrations similar to historical data during this sampling event.

Groundwater monitoring frequency for the Site is semiannual and appears to provide sufficient data to evaluate concentration trends and plan appropriate evaluation monitoring where necessary. There have been no findings that indicate a need to modify the routine sampling frequency or parameters. The next sampling event is tentatively scheduled for February 2026.

APPENDIX A

FIGURES



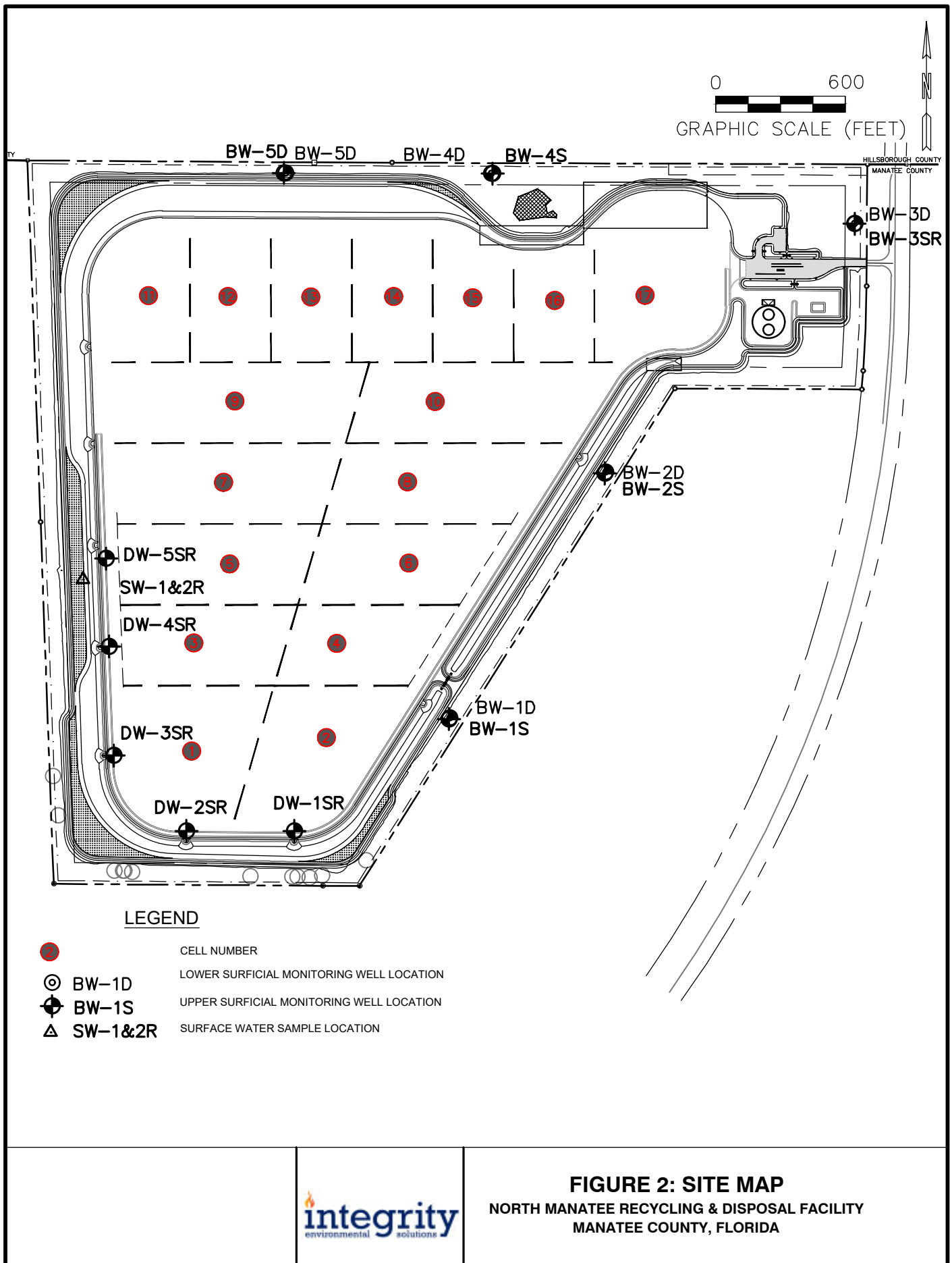
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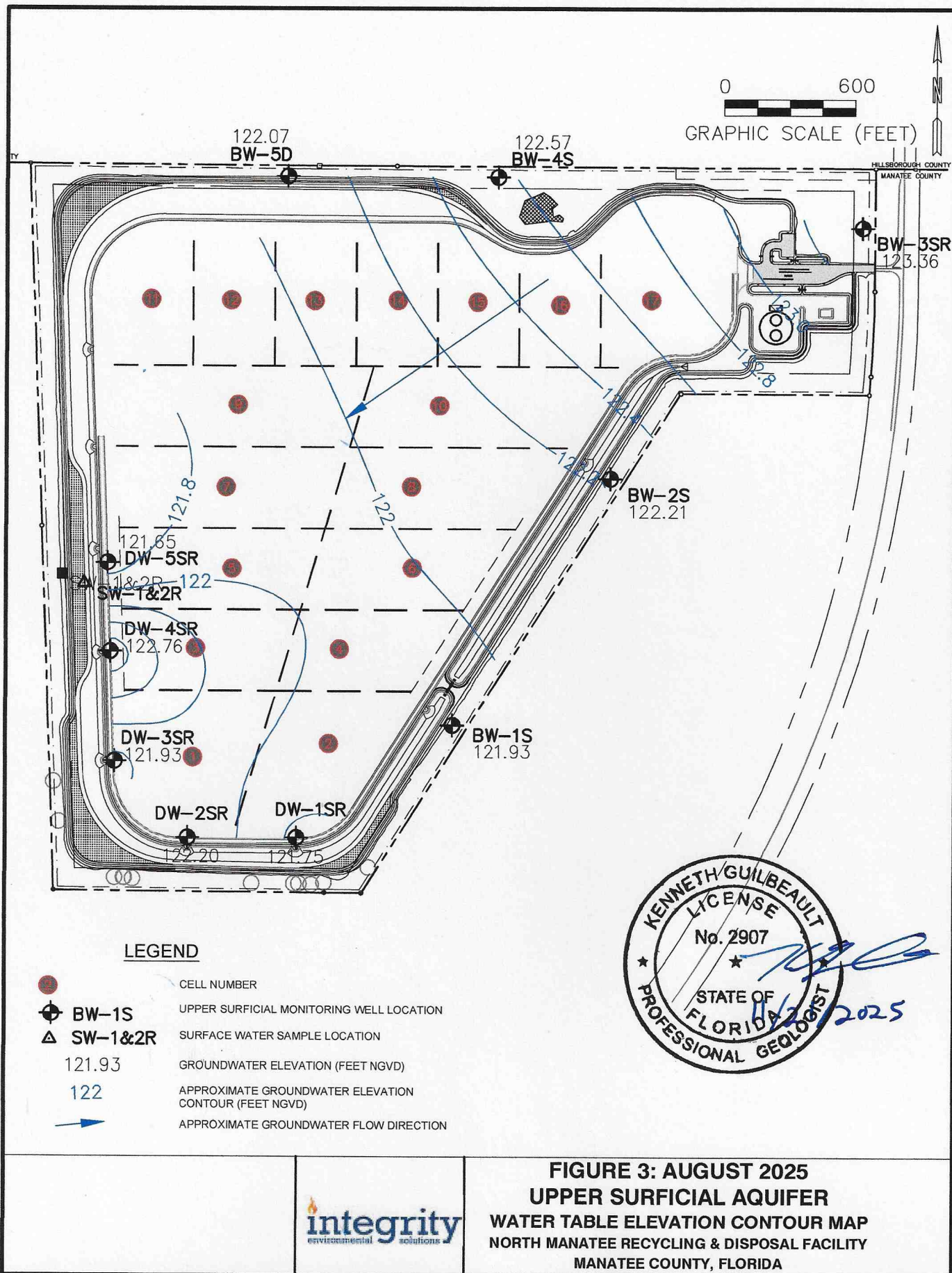


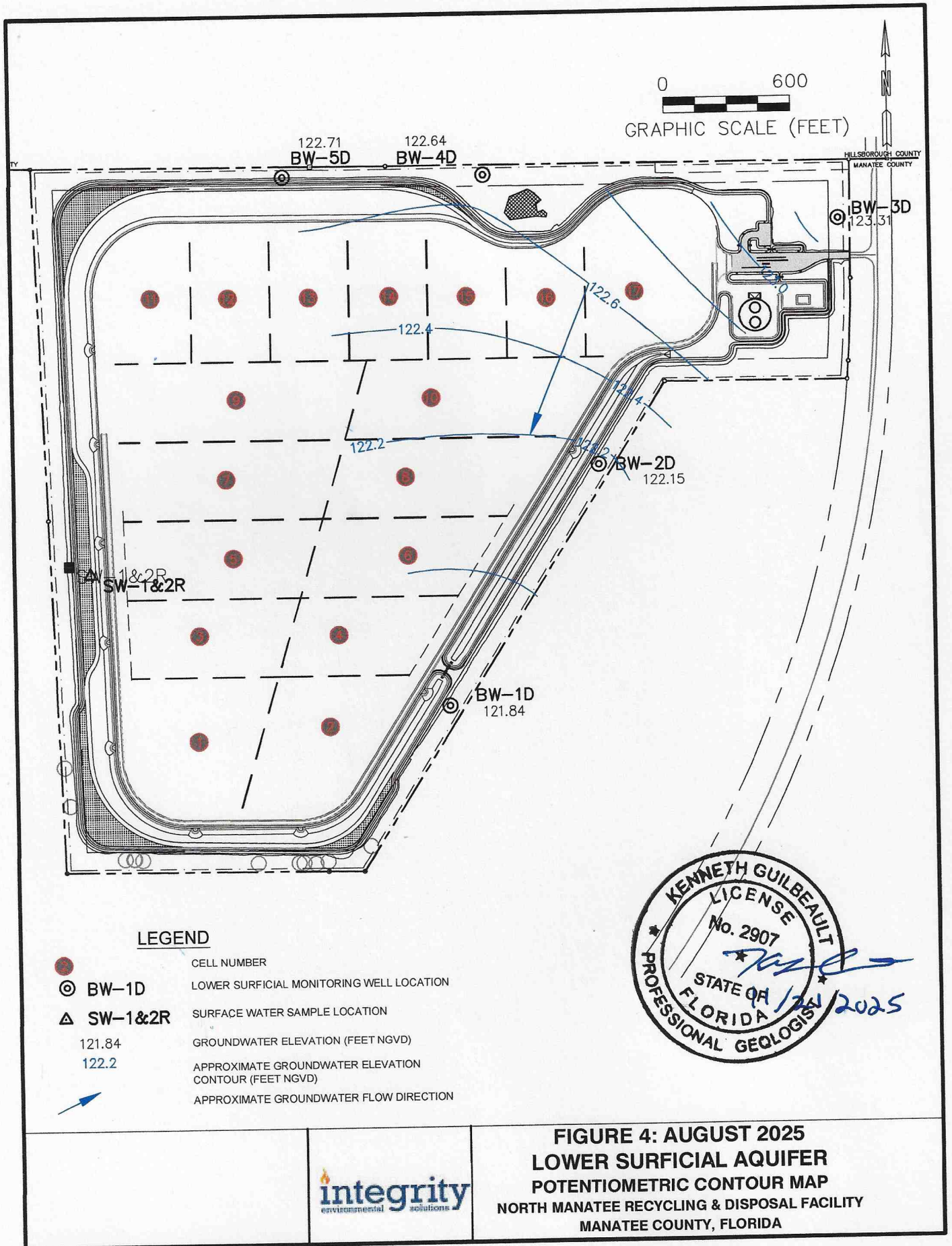
GRAPHIC SCALE (FEET)



FIGURE 1: SITE LOCATION MAP
NORTH MANATEE RECYCLING & DISPOSAL FACILITY
MANATEE COUNTY, FLORIDA







APPENDIX B

TABLES

**Table 1. Existing Monitoring Well Construction Details
North Manatee Recycling & Disposal Facility, Class III**

Well ID	Well Designation	Approximate State Plane Coordinates		Well Diameter	Total Well Depth	Top of Casing Elevation
		Northing	Easting	(in)	(ft bls)	(ft msl)
BW-1S	Background	1201518.19	606748.13	2	15.20	126.4
BW-1D	Background	1201523.70	606750.76	2	81.92	126.48
BW-2S	Background	1202656.06	607469.55	2	15.30	125.41
BW-2D	Background	1202661.57	607473.03	2	66.20	125.36
BW-3SR	Background	1203811.51	608625.59	2	15.00	130.4
BW-3D	Background	1203811.95	608625.30	2	61.90	130.21
BW-4S	Background	1204043.73	606950.20	2	15.50	127.46
BW-4D	Background	1204044.06	606943.98	2	51.50	127.4
BW-5S	Background	1204046.74	605983.73	2	15.00	127.55
BW-5D	Background	1204046.50	605991.28	2	56.80	128.09
DW-1SR	Detection	1200996.12	606032.55	2	15.56	130.14
DW-2SR	Detection	1201000.18	605532.63	2	14.56	130.37
DW-3SR	Detection	1201349.96	605196.03	2	15.10	130.01
DW-4SR	Detection	1201854.87	605174.37	2	15.48	130.19
DW-5SR	Detection	1202261.17	605161.32	2	15.00	130.69

Table 2. Water Level Measurements 8/21/2025
North Manatee Recycling & Disposal Facility, Class III

Well ID	TOC Elevation	Depth to Water	Groundwater Elevation
	(ft MSL)	(ft BTOC)	(ft MSL)
BW-1S	126.40	4.47	121.93
BW-1D	126.48	4.64	121.84
BW-2S	125.41	3.20	122.21
BW-2D	125.36	3.21	122.15
BW-3SR	130.40	7.04	123.36
BW-3D	130.21	6.90	123.31
BW-4S	127.46	4.89	122.57
BW-4D	127.40	4.76	122.64
BW-5S	127.55	5.48	122.07
BW-5D	128.09	5.38	122.71
DW-1SR	130.14	8.39	121.75
DW-2SR	130.37	8.17	122.20
DW-3SR	130.01	8.08	121.93
DW-4SR	130.19	7.43	122.76
DW-5SR	130.69	9.04	121.65

Table 4. Summary of Groundwater Quality Analytical Results (Detected Parameters Only)
North Manatee Landfill, August 2025

Parameter	Units	MCL	Standard	BW-1S	BW-2S	BW-3SR	BW-4S	BW-5S	DW-1SR	DW-2SR	DW-3SR	DW-4SR	DW-5SR
Well Type				BG	BG	BG	BG	BG	DE	DE	DE	DE	DE
Volatile Organic Compounds													
Carbon disulfide	ug/l	NS	NS	0.111 I	0.101 U	0.101 U	0.101 U	0.101 U	0.101 U	0.101 U	0.101 U	0.101 U	0.101 U
Metals													
Arsenic	ug/l	10	PDWS	0.705 IV	0.607 IV	1.16 IV	0.25 U	0.31 IV	2.77	0.562 IV	0.675 IV	1.77 I	0.256 IV
Barium	ug/l	2000	PDWS	8.28	15.5	10.4	29.5	3.58 I	1.7 U	1.7 U	4.05 I	7.37	17.5
Boron	ug/l	NS	NS	42.3 I	16.3 I	14.4 I	19.9 I	12.6 U	27.3 I	14 I	40.9 I	37.1 I	---
Calcium	mg/l	NS	NS	30.9	28	28.4	11.7	15.5	15.7	17.7	69.5	38.4	---
Chromium	ug/l	100	PDWS	1.96 I	2.14 I	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Copper	ug/l	1000	SDWS	5.3 U	5.3 U	5.3 U	5.3 U	5.3 U	5.42 I	5.3 U	5.3 U	5.3 U	5.3 U
Iron	ug/l	300	SDWS	2430	1680	655	1480	78.6 I	20.2 I	14.1 U	40.8 I	289	491
Lead	ug/l	15	PDWS	1.9 U	2.89 IV	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Mercury	ug/l	2	PDWS	0.0609 I	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U	0.049 U
Molybdenum	ug/l	NS	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	4.26 I	1.93 I	5.5	2.17 I	---
Sodium	mg/l	160	PDWS	13.6	6.8	11	31.2	2.48	1.42	0.716 I	1.55	2.72	3.27
Vanadium	ug/l	NS	NS	4.67 IV	4.67 IV	2.04 IV	3.27 IV	5.49 V	16.4	15.7	16.2	6.23 V	8.71
Zinc	ug/l	5000	SDWS	2.56 U	2.56 U	3.44 I	2.56 U	2.56 U	74	2.56 U	2.91 I	4.54 I	2.56 U
Radiochemistry													
Radium 226	pCi/L	5	PDWS	0.827 +/- 0.304	0.762 +/- 0.296	0.849 +/- 0.312	12.3 +/- 0.967	0.577 +/- 0.262	0.0267 U +/- 0.117	0.105 U +/- 0.145	0.384 +/- 0.219	1.6 +/- 0.428	---
Radium 228	pCi/L	5	PDWS	0.883 +/- 0.397	0.7 J +/- 0.478	1.29 +/- 0.556	6.11 +/- 0.828	-0.566 U +/- 0.627	0.472 J +/- 0.538	0.628 J +/- 0.404	0.823 +/- 0.394	1.45 +/- 0.430	---
General Chemistry													
Ammonia (N)	mg/l	NS	NS	0.108	0.198	0.777	0.282	0.0317 U	0.0317 U	0.0317 U	0.0317 U	0.51	0.255
Chloride	mg/l	250	SDWS	37.4	14.1	47.2	9.42	4.62	3.09	1.09 JV	2.23	1.39 V	3.66
Fluoride	mg/l	2	SDWS	0.142	0.144	0.0612 IV	0.0623 IV	0.0597 IV	0.13	0.0526 I	0.049 I	0.0434 I	---
Nitrate (N)	mg/l	10	PDWS	0.0227 U	0.0449 IV	0.0431 IQV	0.0429 IQV	0.123 QV	1.12	0.118 V	0.121 V	0.0545 IV	0.0744 IV
Nitrate-Nitrite (N)	mg/l	10	PDWS	---	---	0.0197 U	0.0197 U	0.119	---	---	---	---	---
Residues- Filterable (TDS)	mg/l	500	SDWS	289	145	222	214	95	95	78	266	200	100
Sulfate	mg/l	250	SDWS	49.2	3.08 IV	35.9	102	5.64	9.86	1.93 IV	106	7.17	---
Field Parameters													
Dissolved Oxygen	MG/L	NS	NS	0.5	0.4	0.5	0.7	0.9	1.6	0.8	0.7	0.8	0.5
Oxidation Reduction Potential	mV	NS	NS	-8	-17	16	83	105	107	104	141	57	126
pH	S.U.	6.5-8.5	SDWS	5.5	5.79	5.59	4.83	5.98	5.54	6.01	5.63	6.04	4.99
Specific Conductance	UMHOS/CM	NS	NS	256	171	264	293	125	82	81	293	183	138
Temperature, Water	Deg C	NS	NS	27.1	26.9	30	29.3	29.1	29.9	30.8	30.9	31.1	29.6
Turbidity	NTU	NS	NS	4.31	2.77	1.65	2.7	4.63	4.63	4.82	4.5	4.64	4.22

NOTES:

1. PDWS = Primary Drinking Water Standard (62-550 F.A.C.)
2. SDWS = Secondary Drinking Water Standard (62-550 F.A.C.)
3. Groundwater Clean-Up Target Level (62-777 F.A.C.) are used for screening purposes only to evaluate if a parameter is significantly above background levels.
4. MPIS = Monitoring Plan Implementation Schedule
5. NS = No numeric standard has been set for this analyte.
6. mg/L = milligrams per liter
7. ug/L= micrograms per liter
8. NTU = nephelometric turbidity units
9. Yellow shaded values indicate parameter concentrations exceeded respective PDWS or SDWS.
10. Degrees C = Degrees Celsius
11. umhos/cm = micromhos per centimeter
12. --- = Parameter not collected
13. I = Analyte concentration was between the laboratory detection limit and laboratory practical quantitation limit.
14. J = Analyte is outside laboratory established quality control criteria.
15. U = Analyte concentration was below the laboratory detection limit (value shown).
16. V = Analyte was detected in the sample and an associated method blank.
17. BG= Background well
18. DE = Detection well

APPENDIX C

LABORATORY ANALYTICAL RESULTS AND FIELD FORMS

North Manatee (NMRDF)

Sample Delivery Group: L1891708
Samples Received: 08/23/2025
Project Number: 100
Description: North Manatee (NMRDF)-Semiannual Groundwater
FEB AUG
Site: FL50
Report To: Liz Foeller
25515 Old Landfill Road
Punta Gorda, FL 33980

Entire Report Reviewed By:



Stacy Kennedy
Project Manager

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

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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	6
Sr: Sample Results	8
DW-1SR L1891708-01	8
DW-2SR L1891708-02	11
DW-3SR L1891708-03	14
DW-4SR L1891708-04	17
BW-1S L1891708-05	20
BW-2S L1891708-06	23
BW-3SR L1891708-07	26
BW-4S L1891708-08	29
BW-5S L1891708-09	32
DW-5SR L1891708-10	35
TRIP BLANK 1 L1891708-11	38
TRIP BLANK 2 L1891708-12	40
Qc: Quality Control Summary	42
Gravimetric Analysis by Method 2540 C-2011	42
Wet Chemistry by Method 300.0	44
Wet Chemistry by Method 350.1	48
Wet Chemistry by Method 353.2	50
Mercury by Method 7470A	51
Metals (ICP) by Method 6010D	52
Metals (ICPMS) by Method 6020B	54
Volatile Organic Compounds (GC/MS) by Method 8260D	55
EDB / DBCP by Method 8011	58
Gl: Glossary of Terms	59
Al: Accreditations & Locations	60
Sc: Sample Chain of Custody	61

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

SAMPLE SUMMARY

DW-1SR L1891708-01

				Collected by Danny Armour	Collected date/time 08/22/25 08:46	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 00:53	08/24/25 00:53	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:09	08/27/25 19:09	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:01	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:01	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 17:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 13:48	08/27/25 13:48	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.18	08/27/25 11:53	08/27/25 23:23	LTB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

DW-2SR L1891708-02

				Collected by Danny Armour	Collected date/time 08/22/25 09:27	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 01:45	08/24/25 01:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:11	08/27/25 19:11	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:03	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:03	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 18:59	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 14:08	08/27/25 14:08	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.08	08/27/25 11:53	08/27/25 23:33	LTB	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

DW-3SR L1891708-03

				Collected by Danny Armour	Collected date/time 08/22/25 10:11	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 02:24	08/24/25 02:24	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	10	08/24/25 02:37	08/24/25 02:37	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:17	08/27/25 19:17	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:06	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:04	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 19:02	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 14:28	08/27/25 14:28	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.04	08/27/25 11:53	08/27/25 23:43	LTB	Mt. Juliet, TN

DW-4SR L1891708-04

				Collected by Danny Armour	Collected date/time 08/22/25 10:49	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 02:50	08/24/25 02:50	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:18	08/27/25 19:18	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:09	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:06	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 19:05	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 16:27	08/27/25 16:27	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.02	08/27/25 11:53	08/27/25 23:52	LTB	Mt. Juliet, TN

SAMPLE SUMMARY

BW-1S L1891708-05

				Collected by Danny Armour	Collected date/time 08/22/25 08:05	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 03:03	08/24/25 03:03	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:20	08/27/25 19:20	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:11	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:11	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 19:08	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 16:47	08/27/25 16:47	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.1	08/27/25 11:53	08/28/25 00:02	LTB	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

BW-2S L1891708-06

				Collected by Danny Armour	Collected date/time 08/22/25 07:30	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 03:16	08/24/25 03:16	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:21	08/27/25 19:21	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:14	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:13	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 18:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 17:07	08/27/25 17:07	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.02	08/27/25 11:53	08/28/25 00:12	LTB	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

BW-3SR L1891708-07

				Collected by Danny Armour	Collected date/time 08/21/25 13:30	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589443	1	08/28/25 00:01	08/28/25 16:50	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586054	1	08/24/25 00:45	08/24/25 00:45	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:23	08/27/25 19:23	RTW	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2592222	1	09/01/25 20:40	09/01/25 20:40	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:16	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:15	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 18:21	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 17:27	08/27/25 17:27	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.03	08/27/25 11:53	08/28/25 00:22	LTB	Mt. Juliet, TN

BW-4S L1891708-08

				Collected by Danny Armour	Collected date/time 08/21/25 11:51	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589443	1	08/28/25 00:01	08/28/25 16:50	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586054	1	08/24/25 01:22	08/24/25 01:22	DLH	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586054	5	08/24/25 01:35	08/24/25 01:35	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589246	1	08/27/25 19:24	08/27/25 19:24	RTW	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2592222	1	09/01/25 20:41	09/01/25 20:41	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 08:29	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:17	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 18:24	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 17:47	08/27/25 17:47	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.04	08/27/25 11:53	08/28/25 00:31	LTB	Mt. Juliet, TN

SAMPLE SUMMARY

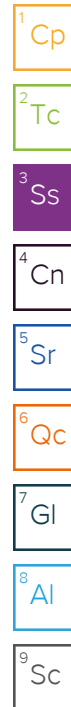
BW-5S L1891708-09

Collected by
Danny Armour

Collected date/time
08/21/25 12:36

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589443	1	08/28/25 00:01	08/28/25 16:50	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586054	1	08/24/25 01:47	08/24/25 01:47	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589318	1	08/27/25 23:33	08/27/25 23:33	RTW	Mt. Juliet, TN
Wet Chemistry by Method 353.2	WG2592222	1	09/01/25 20:46	09/01/25 20:46	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:19	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:19	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 18:27	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 18:07	08/27/25 18:07	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.05	08/27/25 11:53	08/28/25 01:10	LTB	Mt. Juliet, TN



DW-5SR L1891708-10

Collected by
Danny Armour

Collected date/time
08/22/25 11:42

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Gravimetric Analysis by Method 2540 C-2011	WG2589730	1	08/28/25 08:40	08/29/25 17:39	AMG	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG2586087	1	08/24/25 03:28	08/24/25 03:28	DLH	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2589318	1	08/27/25 23:34	08/27/25 23:34	RTW	Mt. Juliet, TN
Mercury by Method 7470A	WG2587184	1	09/01/25 11:37	09/02/25 09:27	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2587661	1	09/02/25 10:30	09/02/25 15:20	NMM	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG2587677	1	08/31/25 19:26	09/14/25 18:30	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 18:26	08/27/25 18:26	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.02	08/27/25 11:53	08/28/25 01:20	LTB	Mt. Juliet, TN

TRIP BLANK 1 L1891708-11

Collected by
Danny Armour

Collected date/time
08/21/25 00:00

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 11:49	08/27/25 11:49	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.04	08/27/25 11:53	08/28/25 01:30	LTB	Mt. Juliet, TN

TRIP BLANK 2 L1891708-12

Collected by
Danny Armour

Collected date/time
08/22/25 00:00

Received date/time
08/23/25 09:00

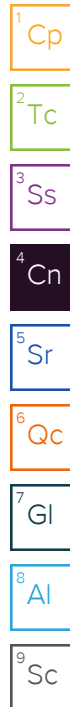
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG2588890	1	08/27/25 12:09	08/27/25 12:09	ACG	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2586551	1.05	08/27/25 11:53	08/28/25 01:40	LTB	Mt. Juliet, TN

CASE NARRATIVE

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



Stacy Kennedy
Project Manager



Project Comments

Samples collected 8/21/25 were delayed during return shipment. Nitrate, method 300, 48-hour holding time was missed. Nitrate-nitrite, method 353.2, was analyzed to confirm. SK 8/27/25

Sample Delivery Group (SDG) Narrative

Sample held beyond the accepted holding time.

Batch	Method	Lab Sample ID
WG2586054	300.0	L1891708-07, 08, 09

Wet Chemistry by Method 300.0

Indicates the analyte was detected in both the sample and method blank.

Batch	Analyte	Lab Sample ID
WG2586054	Fluoride	L1891708-07, 08, 09
WG2586054	Nitrate as (N)	L1891708-07, 08, 09
WG2586087	Chloride	L1891708-02, 04
WG2586087	Nitrate as (N)	L1891708-02, 03, 04, 06, 10
WG2586087	Sulfate	L1891708-02, 06

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2586087	(DUP) R4263217-6, L1891708-02	Chloride

Metals (ICP) by Method 6010D

Indicates the analyte was detected in both the sample and method blank.

Batch	Analyte	Lab Sample ID
WG2587661	Lead, Total Recoverable	L1891708-06

Metals (ICPMS) by Method 6020B

Indicates the analyte was detected in both the sample and method blank.

Batch	Analyte	Lab Sample ID
WG2587677	Arsenic, Total Recoverable	L1891708-02, 03, 05, 06, 07, 09, 10
WG2587677	Vanadium, Total Recoverable	L1891708-04, 05, 06, 07, 08, 09

CASE NARRATIVE

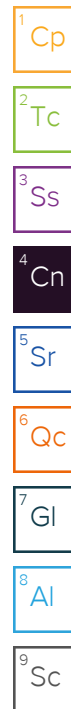
Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG2588890	L1891708-01	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-02	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-03	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-04	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-05	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-06	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-07	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-08	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-09	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-10	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-11	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene
WG2588890	L1891708-12	1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, 2-Butanone (MEK), 2-Hexanone, Acetone and trans-1,4-Dichloro-2-butene

Off-scale high. Actual value is known to be greater than value given.

Batch	Lab Sample ID	Analytes
WG2588890	(LCS) R4265278-1	Vinyl acetate
WG2588890	(LCSD) R4265278-2	Vinyl acetate



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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	119.78	ft
pH (On Site)	5.54	su
Temperature (on-site)	29.9	Deg. C
Specific Conductance (on site)	82	umhos/cm
Dissolved Oxygen (on-site)	1.6	mg/l
Turbidity (on-site)	4.63	NTU
eH/ORP (On Site)	107	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	95.0		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	3.09		0.0519	1.00	1	08/24/2025 00:53	WG2586087
Fluoride	0.130		0.00990	0.100	1	08/24/2025 00:53	WG2586087
Nitrate as (N)	1.12		0.0227	0.100	1	08/24/2025 00:53	WG2586087
Sulfate	9.86		0.0774	5.00	1	08/24/2025 00:53	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	08/27/2025 19:09	WG2589246

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:01	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	15.7		0.0463	1.00	1	09/02/2025 15:01	WG2587661
Sodium,Total Recoverable	1.42		0.0111	1.00	1	09/02/2025 15:01	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:01	WG2587661
Barium,Total Recoverable	1.70	U	1.70	5.00	1	09/02/2025 15:01	WG2587661
Boron,Total Recoverable	27.3	I	12.6	200	1	09/02/2025 15:01	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:01	WG2587661
Cobalt,Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:01	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:01	WG2587661
Copper, Total Recoverable	5.42	I	5.30	10.0	1	09/02/2025 15:01	WG2587661
Iron, Total Recoverable	20.2	I	14.1	100	1	09/02/2025 15:01	WG2587661
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:01	WG2587661
Molybdenum, Total Recoverable	4.26	I	1.60	5.00	1	09/02/2025 15:01	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:01	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:01	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:01	WG2587661

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

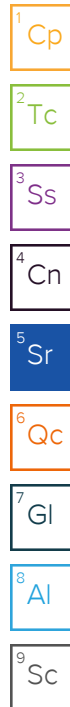
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	2.77		0.250	2.00	1	09/14/2025 17:49	WG2587677
Beryllium, Total Recoverable	0.120	C	0.120	2.00	1	09/14/2025 17:49	WG2587677
Antimony, Total Recoverable	0.754	C	0.754	2.00	1	09/14/2025 17:49	WG2587677
Thallium, Total Recoverable	0.190	C	0.190	2.00	1	09/14/2025 17:49	WG2587677
Vanadium, Total Recoverable	16.4		0.180	5.00	1	09/14/2025 17:49	WG2587677
Zinc, Total Recoverable	74.0		2.56	25.0	1	09/14/2025 17:49	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	08/27/2025 13:48	WG2588890
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 13:48	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 13:48	WG2588890
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 13:48	WG2588890
1,1-Dichloroethane	0.114	C	0.114	0.500	1	08/27/2025 13:48	WG2588890
1,1-Dichloroethene	0.188	C	0.188	0.500	1	08/27/2025 13:48	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 13:48	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 13:48	WG2588890
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	08/27/2025 13:48	WG2588890
1,2-Dichloroethane	0.108	C	0.108	0.500	1	08/27/2025 13:48	WG2588890
1,2-Dichloropropane	0.190	C	0.190	0.500	1	08/27/2025 13:48	WG2588890
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	08/27/2025 13:48	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 13:48	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 13:48	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	08/27/2025 13:48	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 13:48	WG2588890
Acrylonitrile	0.873	C	0.873	5.00	1	08/27/2025 13:48	WG2588890
Benzene	0.0896	C	0.0896	0.500	1	08/27/2025 13:48	WG2588890
Bromochloromethane	0.145	C	0.145	0.500	1	08/27/2025 13:48	WG2588890
Bromodichloromethane	0.0800	C	0.0800	0.500	1	08/27/2025 13:48	WG2588890
Bromoform	0.186	C	0.186	0.500	1	08/27/2025 13:48	WG2588890
Bromomethane	0.157	C	0.157	2.50	1	08/27/2025 13:48	WG2588890
Carbon disulfide	0.101	C	0.101	0.500	1	08/27/2025 13:48	WG2588890
Carbon tetrachloride	0.159	C	0.159	0.500	1	08/27/2025 13:48	WG2588890
Chlorobenzene	0.140	C	0.140	0.500	1	08/27/2025 13:48	WG2588890
Chloroethane	0.141	C	0.141	2.50	1	08/27/2025 13:48	WG2588890
Chloroform	0.0860	C	0.0860	0.500	1	08/27/2025 13:48	WG2588890
Chloromethane	0.153	C	0.153	1.25	1	08/27/2025 13:48	WG2588890
Dibromochloromethane	0.128	C	0.128	0.500	1	08/27/2025 13:48	WG2588890
Dibromomethane	0.117	C	0.117	0.500	1	08/27/2025 13:48	WG2588890
Ethylbenzene	0.158	C	0.158	0.500	1	08/27/2025 13:48	WG2588890
Iodomethane	0.377	C	0.377	10.0	1	08/27/2025 13:48	WG2588890
Methylene Chloride	1.07	C	1.07	2.50	1	08/27/2025 13:48	WG2588890
Styrene	0.117	C	0.117	0.500	1	08/27/2025 13:48	WG2588890
Tetrachloroethene	0.199	C	0.199	0.500	1	08/27/2025 13:48	WG2588890
Toluene	0.412	C	0.412	0.500	1	08/27/2025 13:48	WG2588890
Trichloroethene	0.153	C	0.153	0.500	1	08/27/2025 13:48	WG2588890
Trichlorofluoromethane	0.130	C	0.130	2.50	1	08/27/2025 13:48	WG2588890
Vinyl acetate	0.645	C	0.645	5.00	1	08/27/2025 13:48	WG2588890
Vinyl chloride	0.118	C	0.118	0.500	1	08/27/2025 13:48	WG2588890
Xylenes, Total	0.316	C	0.316	1.50	1	08/27/2025 13:48	WG2588890
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	08/27/2025 13:48	WG2588890
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	08/27/2025 13:48	WG2588890
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	08/27/2025 13:48	WG2588890
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	08/27/2025 13:48	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 13:48	WG2588890



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	93.4			77.0-126		08/27/2025 13:48	WG2588890
(S) Toluene-d8	109			80.0-120		08/27/2025 13:48	WG2588890
(S) 1,2-Dichloroethane-d4	88.4			70.0-130		08/27/2025 13:48	WG2588890

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00283	U	0.00283	0.0118	1.18	08/27/2025 23:23	WG2586551

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	119.93	ft
pH (On Site)	6.01	su
Temperature (on-site)	30.8	Deg. C
Specific Conductance (on site)	81	umhos/cm
Dissolved Oxygen (on-site)	.8	mg/l
Turbidity (on-site)	4.82	NTU
eH/ORP (On Site)	104	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	78.0		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	1.09	J V	0.0519	1.00	1	08/24/2025 01:45	WG2586087
Fluoride	0.0526	I	0.00990	0.100	1	08/24/2025 01:45	WG2586087
Nitrate as (N)	0.118	V	0.0227	0.100	1	08/24/2025 01:45	WG2586087
Sulfate	1.93	I V	0.0774	5.00	1	08/24/2025 01:45	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	08/27/2025 19:11	WG2589246

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:03	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	17.7		0.0463	1.00	1	09/02/2025 15:03	WG2587661
Sodium, Total Recoverable	0.716	I	0.0111	1.00	1	09/02/2025 15:03	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:03	WG2587661
Barium, Total Recoverable	1.70	U	1.70	5.00	1	09/02/2025 15:03	WG2587661
Boron, Total Recoverable	14.0	I	12.6	200	1	09/02/2025 15:03	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:03	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:03	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:03	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:03	WG2587661
Iron, Total Recoverable	14.1	U	14.1	100	1	09/02/2025 15:03	WG2587661
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:03	WG2587661
Molybdenum, Total Recoverable	1.93	I	1.60	5.00	1	09/02/2025 15:03	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:03	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:03	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:03	WG2587661

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

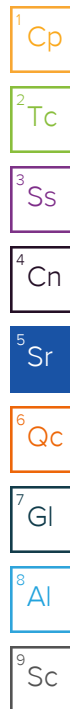
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.562	LV	0.250	2.00	1	09/14/2025 18:59	WG2587677
Beryllium, Total Recoverable	0.120	C	0.120	2.00	1	09/14/2025 18:59	WG2587677
Antimony, Total Recoverable	0.754	C	0.754	2.00	1	09/14/2025 18:59	WG2587677
Thallium, Total Recoverable	0.190	C	0.190	2.00	1	09/14/2025 18:59	WG2587677
Vanadium, Total Recoverable	15.7		0.180	5.00	1	09/14/2025 18:59	WG2587677
Zinc, Total Recoverable	2.56	U	2.56	25.0	1	09/14/2025 18:59	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	08/27/2025 14:08	WG2588890
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 14:08	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 14:08	WG2588890
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 14:08	WG2588890
1,1-Dichloroethane	0.114	C	0.114	0.500	1	08/27/2025 14:08	WG2588890
1,1-Dichloroethene	0.188	C	0.188	0.500	1	08/27/2025 14:08	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 14:08	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 14:08	WG2588890
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	08/27/2025 14:08	WG2588890
1,2-Dichloroethane	0.108	C	0.108	0.500	1	08/27/2025 14:08	WG2588890
1,2-Dichloropropane	0.190	C	0.190	0.500	1	08/27/2025 14:08	WG2588890
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	08/27/2025 14:08	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 14:08	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 14:08	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	08/27/2025 14:08	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 14:08	WG2588890
Acrylonitrile	0.873	C	0.873	5.00	1	08/27/2025 14:08	WG2588890
Benzene	0.0896	C	0.0896	0.500	1	08/27/2025 14:08	WG2588890
Bromochloromethane	0.145	C	0.145	0.500	1	08/27/2025 14:08	WG2588890
Bromodichloromethane	0.0800	C	0.0800	0.500	1	08/27/2025 14:08	WG2588890
Bromoform	0.186	C	0.186	0.500	1	08/27/2025 14:08	WG2588890
Bromomethane	0.157	C	0.157	2.50	1	08/27/2025 14:08	WG2588890
Carbon disulfide	0.101	C	0.101	0.500	1	08/27/2025 14:08	WG2588890
Carbon tetrachloride	0.159	C	0.159	0.500	1	08/27/2025 14:08	WG2588890
Chlorobenzene	0.140	C	0.140	0.500	1	08/27/2025 14:08	WG2588890
Chloroethane	0.141	C	0.141	2.50	1	08/27/2025 14:08	WG2588890
Chloroform	0.0860	C	0.0860	0.500	1	08/27/2025 14:08	WG2588890
Chloromethane	0.153	C	0.153	1.25	1	08/27/2025 14:08	WG2588890
Dibromochloromethane	0.128	C	0.128	0.500	1	08/27/2025 14:08	WG2588890
Dibromomethane	0.117	C	0.117	0.500	1	08/27/2025 14:08	WG2588890
Ethylbenzene	0.158	C	0.158	0.500	1	08/27/2025 14:08	WG2588890
Iodomethane	0.377	C	0.377	10.0	1	08/27/2025 14:08	WG2588890
Methylene Chloride	1.07	C	1.07	2.50	1	08/27/2025 14:08	WG2588890
Styrene	0.117	C	0.117	0.500	1	08/27/2025 14:08	WG2588890
Tetrachloroethene	0.199	C	0.199	0.500	1	08/27/2025 14:08	WG2588890
Toluene	0.412	C	0.412	0.500	1	08/27/2025 14:08	WG2588890
Trichloroethene	0.153	C	0.153	0.500	1	08/27/2025 14:08	WG2588890
Trichlorofluoromethane	0.130	C	0.130	2.50	1	08/27/2025 14:08	WG2588890
Vinyl acetate	0.645	C	0.645	5.00	1	08/27/2025 14:08	WG2588890
Vinyl chloride	0.118	C	0.118	0.500	1	08/27/2025 14:08	WG2588890
Xylenes, Total	0.316	C	0.316	1.50	1	08/27/2025 14:08	WG2588890
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	08/27/2025 14:08	WG2588890
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	08/27/2025 14:08	WG2588890
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	08/27/2025 14:08	WG2588890
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	08/27/2025 14:08	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 14:08	WG2588890



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	92.5			77.0-126		08/27/2025 14:08	WG2588890
(S) Toluene-d8	109			80.0-120		08/27/2025 14:08	WG2588890
(S) 1,2-Dichloroethane-d4	86.9			70.0-130		08/27/2025 14:08	WG2588890

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00259	U	0.00259	0.0108	1.08	08/27/2025 23:33	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	119.57	ft
pH (On Site)	5.63	su
Temperature (on-site)	30.9	Deg. C
Specific Conductance (on site)	293	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	4.5	NTU
eH/ORP (On Site)	141	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	266		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	2.23		0.0519	1.00	1	08/24/2025 02:24	WG2586087
Fluoride	0.0490	I	0.00990	0.100	1	08/24/2025 02:24	WG2586087
Nitrate as (N)	0.121	V	0.0227	0.100	1	08/24/2025 02:24	WG2586087
Sulfate	106		0.774	50.0	10	08/24/2025 02:37	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	08/27/2025 19:17	WG2589246

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:06	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	69.5		0.0463	1.00	1	09/02/2025 15:04	WG2587661
Sodium,Total Recoverable	1.55		0.0111	1.00	1	09/02/2025 15:04	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:04	WG2587661
Barium,Total Recoverable	4.05	I	1.70	5.00	1	09/02/2025 15:04	WG2587661
Boron,Total Recoverable	40.9	I	12.6	200	1	09/02/2025 15:04	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:04	WG2587661
Cobalt,Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:04	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:04	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:04	WG2587661
Iron, Total Recoverable	40.8	I	14.1	100	1	09/02/2025 15:04	WG2587661
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:04	WG2587661
Molybdenum, Total Recoverable	5.50		1.60	5.00	1	09/02/2025 15:04	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:04	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:04	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:04	WG2587661

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

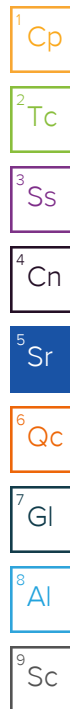
9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.675	LV	0.250	2.00	1	09/14/2025 19:02	WG2587677
Beryllium, Total Recoverable	0.120	C	0.120	2.00	1	09/14/2025 19:02	WG2587677
Antimony, Total Recoverable	0.754	C	0.754	2.00	1	09/14/2025 19:02	WG2587677
Thallium, Total Recoverable	0.190	C	0.190	2.00	1	09/14/2025 19:02	WG2587677
Vanadium, Total Recoverable	16.2		0.180	5.00	1	09/14/2025 19:02	WG2587677
Zinc, Total Recoverable	2.91	J	2.56	25.0	1	09/14/2025 19:02	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	08/27/2025 14:28	WG2588890
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 14:28	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 14:28	WG2588890
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 14:28	WG2588890
1,1-Dichloroethane	0.114	C	0.114	0.500	1	08/27/2025 14:28	WG2588890
1,1-Dichloroethene	0.188	C	0.188	0.500	1	08/27/2025 14:28	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 14:28	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 14:28	WG2588890
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	08/27/2025 14:28	WG2588890
1,2-Dichloroethane	0.108	C	0.108	0.500	1	08/27/2025 14:28	WG2588890
1,2-Dichloropropane	0.190	C	0.190	0.500	1	08/27/2025 14:28	WG2588890
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	08/27/2025 14:28	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 14:28	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 14:28	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	08/27/2025 14:28	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 14:28	WG2588890
Acrylonitrile	0.873	C	0.873	5.00	1	08/27/2025 14:28	WG2588890
Benzene	0.0896	C	0.0896	0.500	1	08/27/2025 14:28	WG2588890
Bromochloromethane	0.145	C	0.145	0.500	1	08/27/2025 14:28	WG2588890
Bromodichloromethane	0.0800	C	0.0800	0.500	1	08/27/2025 14:28	WG2588890
Bromoform	0.186	C	0.186	0.500	1	08/27/2025 14:28	WG2588890
Bromomethane	0.157	C	0.157	2.50	1	08/27/2025 14:28	WG2588890
Carbon disulfide	0.101	C	0.101	0.500	1	08/27/2025 14:28	WG2588890
Carbon tetrachloride	0.159	C	0.159	0.500	1	08/27/2025 14:28	WG2588890
Chlorobenzene	0.140	C	0.140	0.500	1	08/27/2025 14:28	WG2588890
Chloroethane	0.141	C	0.141	2.50	1	08/27/2025 14:28	WG2588890
Chloroform	0.0860	C	0.0860	0.500	1	08/27/2025 14:28	WG2588890
Chloromethane	0.153	C	0.153	1.25	1	08/27/2025 14:28	WG2588890
Dibromochloromethane	0.128	C	0.128	0.500	1	08/27/2025 14:28	WG2588890
Dibromomethane	0.117	C	0.117	0.500	1	08/27/2025 14:28	WG2588890
Ethylbenzene	0.158	C	0.158	0.500	1	08/27/2025 14:28	WG2588890
Iodomethane	0.377	C	0.377	10.0	1	08/27/2025 14:28	WG2588890
Methylene Chloride	1.07	C	1.07	2.50	1	08/27/2025 14:28	WG2588890
Styrene	0.117	C	0.117	0.500	1	08/27/2025 14:28	WG2588890
Tetrachloroethene	0.199	C	0.199	0.500	1	08/27/2025 14:28	WG2588890
Toluene	0.412	C	0.412	0.500	1	08/27/2025 14:28	WG2588890
Trichloroethene	0.153	C	0.153	0.500	1	08/27/2025 14:28	WG2588890
Trichlorofluoromethane	0.130	C	0.130	2.50	1	08/27/2025 14:28	WG2588890
Vinyl acetate	0.645	C	0.645	5.00	1	08/27/2025 14:28	WG2588890
Vinyl chloride	0.118	C	0.118	0.500	1	08/27/2025 14:28	WG2588890
Xylenes, Total	0.316	C	0.316	1.50	1	08/27/2025 14:28	WG2588890
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	08/27/2025 14:28	WG2588890
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	08/27/2025 14:28	WG2588890
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	08/27/2025 14:28	WG2588890
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	08/27/2025 14:28	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 14:28	WG2588890



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	92.2			77.0-126		08/27/2025 14:28	WG2588890
(S) Toluene-d8	108			80.0-120		08/27/2025 14:28	WG2588890
(S) 1,2-Dichloroethane-d4	89.0			70.0-130		08/27/2025 14:28	WG2588890

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00250	U	0.00250	0.0104	1.04	08/27/2025 23:43	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.61	ft
pH (On Site)	6.04	su
Temperature (on-site)	31.1	Deg. C
Specific Conductance (on site)	183	umhos/cm
Dissolved Oxygen (on-site)	.8	mg/l
Turbidity (on-site)	4.64	NTU
eH/ORP (On Site)	57	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	200		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	1.39	V	0.0519	1.00	1	08/24/2025 02:50	WG2586087
Fluoride	0.0434	I	0.00990	0.100	1	08/24/2025 02:50	WG2586087
Nitrate as (N)	0.0545	I V	0.0227	0.100	1	08/24/2025 02:50	WG2586087
Sulfate	7.17		0.0774	5.00	1	08/24/2025 02:50	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.510		0.0317	0.100	1	08/27/2025 19:18	WG2589246

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:09	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	38.4		0.0463	1.00	1	09/02/2025 15:06	WG2587661
Sodium, Total Recoverable	2.72		0.0111	1.00	1	09/02/2025 15:06	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:06	WG2587661
Barium, Total Recoverable	7.37		1.70	5.00	1	09/02/2025 15:06	WG2587661
Boron, Total Recoverable	37.1	I	12.6	200	1	09/02/2025 15:06	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:06	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:06	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:06	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:06	WG2587661
Iron, Total Recoverable	289		14.1	100	1	09/02/2025 15:06	WG2587661
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:06	WG2587661
Molybdenum, Total Recoverable	2.17	I	1.60	5.00	1	09/02/2025 15:06	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:06	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:06	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:06	WG2587661

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	1.77	!	0.250	2.00	1	09/14/2025 19:05	WG2587677
Beryllium, Total Recoverable	0.120	!	0.120	2.00	1	09/14/2025 19:05	WG2587677
Antimony, Total Recoverable	0.754	!	0.754	2.00	1	09/14/2025 19:05	WG2587677
Thallium, Total Recoverable	0.190	!	0.190	2.00	1	09/14/2025 19:05	WG2587677
Vanadium, Total Recoverable	6.23	!	0.180	5.00	1	09/14/2025 19:05	WG2587677
Zinc, Total Recoverable	4.54	!	2.56	25.0	1	09/14/2025 19:05	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	!	0.120	0.500	1	08/27/2025 16:27	WG2588890
1,1,1-Trichloroethane	0.0940	!	0.0940	0.500	1	08/27/2025 16:27	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 16:27	WG2588890
1,1,2-Trichloroethane	0.0940	!	0.0940	0.500	1	08/27/2025 16:27	WG2588890
1,1-Dichloroethane	0.114	!	0.114	0.500	1	08/27/2025 16:27	WG2588890
1,1-Dichloroethene	0.188	!	0.188	0.500	1	08/27/2025 16:27	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 16:27	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 16:27	WG2588890
1,2-Dichlorobenzene	0.101	!	0.101	0.500	1	08/27/2025 16:27	WG2588890
1,2-Dichloroethane	0.108	!	0.108	0.500	1	08/27/2025 16:27	WG2588890
1,2-Dichloropropane	0.190	!	0.190	0.500	1	08/27/2025 16:27	WG2588890
1,4-Dichlorobenzene	0.121	!	0.121	0.500	1	08/27/2025 16:27	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 16:27	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 16:27	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	!	0.823	5.00	1	08/27/2025 16:27	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 16:27	WG2588890
Acrylonitrile	0.873	!	0.873	5.00	1	08/27/2025 16:27	WG2588890
Benzene	0.0896	!	0.0896	0.500	1	08/27/2025 16:27	WG2588890
Bromochloromethane	0.145	!	0.145	0.500	1	08/27/2025 16:27	WG2588890
Bromodichloromethane	0.0800	!	0.0800	0.500	1	08/27/2025 16:27	WG2588890
Bromoform	0.186	!	0.186	0.500	1	08/27/2025 16:27	WG2588890
Bromomethane	0.157	!	0.157	2.50	1	08/27/2025 16:27	WG2588890
Carbon disulfide	0.101	!	0.101	0.500	1	08/27/2025 16:27	WG2588890
Carbon tetrachloride	0.159	!	0.159	0.500	1	08/27/2025 16:27	WG2588890
Chlorobenzene	0.140	!	0.140	0.500	1	08/27/2025 16:27	WG2588890
Chloroethane	0.141	!	0.141	2.50	1	08/27/2025 16:27	WG2588890
Chloroform	0.0860	!	0.0860	0.500	1	08/27/2025 16:27	WG2588890
Chloromethane	0.153	!	0.153	1.25	1	08/27/2025 16:27	WG2588890
Dibromochloromethane	0.128	!	0.128	0.500	1	08/27/2025 16:27	WG2588890
Dibromomethane	0.117	!	0.117	0.500	1	08/27/2025 16:27	WG2588890
Ethylbenzene	0.158	!	0.158	0.500	1	08/27/2025 16:27	WG2588890
Iodomethane	0.377	!	0.377	10.0	1	08/27/2025 16:27	WG2588890
Methylene Chloride	1.07	!	1.07	2.50	1	08/27/2025 16:27	WG2588890
Styrene	0.117	!	0.117	0.500	1	08/27/2025 16:27	WG2588890
Tetrachloroethene	0.199	!	0.199	0.500	1	08/27/2025 16:27	WG2588890
Toluene	0.412	!	0.412	0.500	1	08/27/2025 16:27	WG2588890
Trichloroethene	0.153	!	0.153	0.500	1	08/27/2025 16:27	WG2588890
Trichlorofluoromethane	0.130	!	0.130	2.50	1	08/27/2025 16:27	WG2588890
Vinyl acetate	0.645	!	0.645	5.00	1	08/27/2025 16:27	WG2588890
Vinyl chloride	0.118	!	0.118	0.500	1	08/27/2025 16:27	WG2588890
Xylenes, Total	0.316	!	0.316	1.50	1	08/27/2025 16:27	WG2588890
cis-1,2-Dichloroethene	0.0933	!	0.0933	0.500	1	08/27/2025 16:27	WG2588890
cis-1,3-Dichloropropene	0.0976	!	0.0976	0.500	1	08/27/2025 16:27	WG2588890
trans-1,2-Dichloroethene	0.152	!	0.152	0.500	1	08/27/2025 16:27	WG2588890
trans-1,3-Dichloropropene	0.222	!	0.222	0.500	1	08/27/2025 16:27	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 16:27	WG2588890

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	92.9			77.0-126		08/27/2025 16:27	WG2588890
(S) Toluene-d8	107			80.0-120		08/27/2025 16:27	WG2588890
(S) 1,2-Dichloroethane-d4	88.9			70.0-130		08/27/2025 16:27	WG2588890

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00245	U	0.00245	0.0102	1.02	08/27/2025 23:52	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	121.93	ft
pH (On Site)	5.5	su
Temperature (on-site)	27.1	Deg. C
Specific Conductance (on site)	256	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	4.31	NTU
eH/ORP (On Site)	-8	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	289		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	37.4		0.0519	1.00	1	08/24/2025 03:03	WG2586087
Fluoride	0.142		0.00990	0.100	1	08/24/2025 03:03	WG2586087
Nitrate as (N)	0.0227	U	0.0227	0.100	1	08/24/2025 03:03	WG2586087
Sulfate	49.2		0.0774	5.00	1	08/24/2025 03:03	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.108		0.0317	0.100	1	08/27/2025 19:20	WG2589246

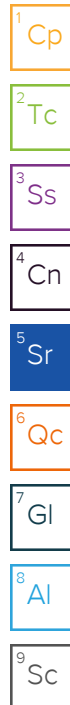
Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0609	I	0.0490	0.200	1	09/02/2025 09:11	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	30.9		0.0463	1.00	1	09/02/2025 15:11	WG2587661
Sodium, Total Recoverable	13.6		0.0111	1.00	1	09/02/2025 15:11	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:11	WG2587661
Barium, Total Recoverable	8.28		1.70	5.00	1	09/02/2025 15:11	WG2587661
Boron, Total Recoverable	42.3	I	12.6	200	1	09/02/2025 15:11	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:11	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:11	WG2587661
Chromium, Total Recoverable	1.96	I	1.40	10.0	1	09/02/2025 15:11	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:11	WG2587661
Iron, Total Recoverable	2430		14.1	100	1	09/02/2025 15:11	WG2587661
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:11	WG2587661
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	09/02/2025 15:11	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:11	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:11	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:11	WG2587661

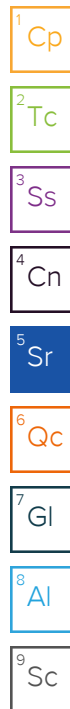


Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.705	LV	0.250	2.00	1	09/14/2025 19:08	WG2587677
Beryllium, Total Recoverable	0.120	C	0.120	2.00	1	09/14/2025 19:08	WG2587677
Antimony, Total Recoverable	0.754	C	0.754	2.00	1	09/14/2025 19:08	WG2587677
Thallium, Total Recoverable	0.190	C	0.190	2.00	1	09/14/2025 19:08	WG2587677
Vanadium, Total Recoverable	4.67	LV	0.180	5.00	1	09/14/2025 19:08	WG2587677
Zinc, Total Recoverable	2.56	C	2.56	25.0	1	09/14/2025 19:08	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	08/27/2025 16:47	WG2588890
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 16:47	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 16:47	WG2588890
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 16:47	WG2588890
1,1-Dichloroethane	0.114	C	0.114	0.500	1	08/27/2025 16:47	WG2588890
1,1-Dichloroethene	0.188	C	0.188	0.500	1	08/27/2025 16:47	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 16:47	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 16:47	WG2588890
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	08/27/2025 16:47	WG2588890
1,2-Dichloroethane	0.108	C	0.108	0.500	1	08/27/2025 16:47	WG2588890
1,2-Dichloropropane	0.190	C	0.190	0.500	1	08/27/2025 16:47	WG2588890
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	08/27/2025 16:47	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 16:47	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 16:47	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	08/27/2025 16:47	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 16:47	WG2588890
Acrylonitrile	0.873	C	0.873	5.00	1	08/27/2025 16:47	WG2588890
Benzene	0.0896	C	0.0896	0.500	1	08/27/2025 16:47	WG2588890
Bromochloromethane	0.145	C	0.145	0.500	1	08/27/2025 16:47	WG2588890
Bromodichloromethane	0.0800	C	0.0800	0.500	1	08/27/2025 16:47	WG2588890
Bromoform	0.186	C	0.186	0.500	1	08/27/2025 16:47	WG2588890
Bromomethane	0.157	C	0.157	2.50	1	08/27/2025 16:47	WG2588890
Carbon disulfide	0.111	-	0.101	0.500	1	08/27/2025 16:47	WG2588890
Carbon tetrachloride	0.159	C	0.159	0.500	1	08/27/2025 16:47	WG2588890
Chlorobenzene	0.140	C	0.140	0.500	1	08/27/2025 16:47	WG2588890
Chloroethane	0.141	C	0.141	2.50	1	08/27/2025 16:47	WG2588890
Chloroform	0.0860	C	0.0860	0.500	1	08/27/2025 16:47	WG2588890
Chloromethane	0.153	C	0.153	1.25	1	08/27/2025 16:47	WG2588890
Dibromochloromethane	0.128	C	0.128	0.500	1	08/27/2025 16:47	WG2588890
Dibromomethane	0.117	C	0.117	0.500	1	08/27/2025 16:47	WG2588890
Ethylbenzene	0.158	C	0.158	0.500	1	08/27/2025 16:47	WG2588890
Iodomethane	0.377	C	0.377	10.0	1	08/27/2025 16:47	WG2588890
Methylene Chloride	1.07	C	1.07	2.50	1	08/27/2025 16:47	WG2588890
Styrene	0.117	C	0.117	0.500	1	08/27/2025 16:47	WG2588890
Tetrachloroethene	0.199	C	0.199	0.500	1	08/27/2025 16:47	WG2588890
Toluene	0.412	C	0.412	0.500	1	08/27/2025 16:47	WG2588890
Trichloroethene	0.153	C	0.153	0.500	1	08/27/2025 16:47	WG2588890
Trichlorofluoromethane	0.130	C	0.130	2.50	1	08/27/2025 16:47	WG2588890
Vinyl acetate	0.645	C	0.645	5.00	1	08/27/2025 16:47	WG2588890
Vinyl chloride	0.118	C	0.118	0.500	1	08/27/2025 16:47	WG2588890
Xylenes, Total	0.316	C	0.316	1.50	1	08/27/2025 16:47	WG2588890
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	08/27/2025 16:47	WG2588890
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	08/27/2025 16:47	WG2588890
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	08/27/2025 16:47	WG2588890
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	08/27/2025 16:47	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 16:47	WG2588890



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 4-Bromofluorobenzene	93.2			77.0-126		08/27/2025 16:47	WG2588890
(S) Toluene-d8	106			80.0-120		08/27/2025 16:47	WG2588890
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		08/27/2025 16:47	WG2588890

EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	0.00264	U	0.00264	0.0110	1.1	08/28/2025 00:02	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	122.21	ft
pH (On Site)	5.79	su
Temperature (on-site)	26.9	Deg. C
Specific Conductance (on site)	171	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	2.77	NTU
eH/ORP (On Site)	-17	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	145		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	14.1		0.0519	1.00	1	08/24/2025 03:16	WG2586087
Fluoride	0.144		0.00990	0.100	1	08/24/2025 03:16	WG2586087
Nitrate as (N)	0.0449	I V	0.0227	0.100	1	08/24/2025 03:16	WG2586087
Sulfate	3.08	I V	0.0774	5.00	1	08/24/2025 03:16	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.198		0.0317	0.100	1	08/27/2025 19:21	WG2589246

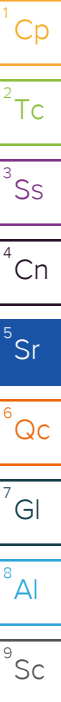
Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:14	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	28.0		0.0463	1.00	1	09/02/2025 15:13	WG2587661
Sodium, Total Recoverable	6.80		0.0111	1.00	1	09/02/2025 15:13	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:13	WG2587661
Barium, Total Recoverable	15.5		1.70	5.00	1	09/02/2025 15:13	WG2587661
Boron, Total Recoverable	16.3	I	12.6	200	1	09/02/2025 15:13	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:13	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:13	WG2587661
Chromium, Total Recoverable	2.14	I	1.40	10.0	1	09/02/2025 15:13	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:13	WG2587661
Iron, Total Recoverable	1680		14.1	100	1	09/02/2025 15:13	WG2587661
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:13	WG2587661
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	09/02/2025 15:13	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:13	WG2587661
Lead, Total Recoverable	2.89	I V	1.90	5.00	1	09/02/2025 15:13	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:13	WG2587661

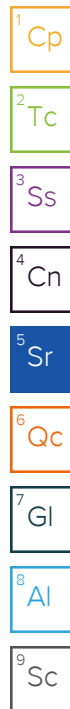


Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.607	LV	0.250	2.00	1	09/14/2025 18:18	WG2587677
Beryllium, Total Recoverable	0.120	C	0.120	2.00	1	09/14/2025 18:18	WG2587677
Antimony, Total Recoverable	0.754	C	0.754	2.00	1	09/14/2025 18:18	WG2587677
Thallium, Total Recoverable	0.190	C	0.190	2.00	1	09/14/2025 18:18	WG2587677
Vanadium, Total Recoverable	4.67	LV	0.180	5.00	1	09/14/2025 18:18	WG2587677
Zinc, Total Recoverable	2.56	C	2.56	25.0	1	09/14/2025 18:18	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	08/27/2025 17:07	WG2588890
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 17:07	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 17:07	WG2588890
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 17:07	WG2588890
1,1-Dichloroethane	0.114	C	0.114	0.500	1	08/27/2025 17:07	WG2588890
1,1-Dichloroethene	0.188	C	0.188	0.500	1	08/27/2025 17:07	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 17:07	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 17:07	WG2588890
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	08/27/2025 17:07	WG2588890
1,2-Dichloroethane	0.108	C	0.108	0.500	1	08/27/2025 17:07	WG2588890
1,2-Dichloropropane	0.190	C	0.190	0.500	1	08/27/2025 17:07	WG2588890
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	08/27/2025 17:07	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 17:07	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 17:07	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	08/27/2025 17:07	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 17:07	WG2588890
Acrylonitrile	0.873	C	0.873	5.00	1	08/27/2025 17:07	WG2588890
Benzene	0.0896	C	0.0896	0.500	1	08/27/2025 17:07	WG2588890
Bromochloromethane	0.145	C	0.145	0.500	1	08/27/2025 17:07	WG2588890
Bromodichloromethane	0.0800	C	0.0800	0.500	1	08/27/2025 17:07	WG2588890
Bromoform	0.186	C	0.186	0.500	1	08/27/2025 17:07	WG2588890
Bromomethane	0.157	C	0.157	2.50	1	08/27/2025 17:07	WG2588890
Carbon disulfide	0.101	C	0.101	0.500	1	08/27/2025 17:07	WG2588890
Carbon tetrachloride	0.159	C	0.159	0.500	1	08/27/2025 17:07	WG2588890
Chlorobenzene	0.140	C	0.140	0.500	1	08/27/2025 17:07	WG2588890
Chloroethane	0.141	C	0.141	2.50	1	08/27/2025 17:07	WG2588890
Chloroform	0.0860	C	0.0860	0.500	1	08/27/2025 17:07	WG2588890
Chloromethane	0.153	C	0.153	1.25	1	08/27/2025 17:07	WG2588890
Dibromochloromethane	0.128	C	0.128	0.500	1	08/27/2025 17:07	WG2588890
Dibromomethane	0.117	C	0.117	0.500	1	08/27/2025 17:07	WG2588890
Ethylbenzene	0.158	C	0.158	0.500	1	08/27/2025 17:07	WG2588890
Iodomethane	0.377	C	0.377	10.0	1	08/27/2025 17:07	WG2588890
Methylene Chloride	1.07	C	1.07	2.50	1	08/27/2025 17:07	WG2588890
Styrene	0.117	C	0.117	0.500	1	08/27/2025 17:07	WG2588890
Tetrachloroethene	0.199	C	0.199	0.500	1	08/27/2025 17:07	WG2588890
Toluene	0.412	C	0.412	0.500	1	08/27/2025 17:07	WG2588890
Trichloroethene	0.153	C	0.153	0.500	1	08/27/2025 17:07	WG2588890
Trichlorofluoromethane	0.130	C	0.130	2.50	1	08/27/2025 17:07	WG2588890
Vinyl acetate	0.645	C	0.645	5.00	1	08/27/2025 17:07	WG2588890
Vinyl chloride	0.118	C	0.118	0.500	1	08/27/2025 17:07	WG2588890
Xylenes, Total	0.316	C	0.316	1.50	1	08/27/2025 17:07	WG2588890
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	08/27/2025 17:07	WG2588890
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	08/27/2025 17:07	WG2588890
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	08/27/2025 17:07	WG2588890
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	08/27/2025 17:07	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 17:07	WG2588890



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	93.6			77.0-126		08/27/2025 17:07	WG2588890
(S) Toluene-d8	109			80.0-120		08/27/2025 17:07	WG2588890
(S) 1,2-Dichloroethane-d4	90.3			70.0-130		08/27/2025 17:07	WG2588890

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00245	U	0.00245	0.0102	1.02	08/28/2025 00:12	WG2586551

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	123.36	ft
pH (On Site)	5.59	su
Temperature (on-site)	30	Deg. C
Specific Conductance (on site)	264	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	1.65	NTU
eH/ORP (On Site)	16	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	222		10.0	1	08/28/2025 16:50	WG2589443

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	47.2		0.0519	1.00	1	08/24/2025 00:45	WG2586054
Fluoride	0.0612	I V	0.00990	0.100	1	08/24/2025 00:45	WG2586054
Nitrate as (N)	0.0431	I Q V	0.0227	0.100	1	08/24/2025 00:45	WG2586054
Sulfate	35.9		0.0774	5.00	1	08/24/2025 00:45	WG2586054

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.777		0.0317	0.100	1	08/27/2025 19:23	WG2589246

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Nitrate-Nitrite	0.0197	U	0.0197	0.100	1	09/01/2025 20:40	WG2592222

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:16	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	28.4		0.0463	1.00	1	09/02/2025 15:15	WG2587661
Sodium, Total Recoverable	11.0		0.0111	1.00	1	09/02/2025 15:15	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:15	WG2587661
Barium, Total Recoverable	10.4		1.70	5.00	1	09/02/2025 15:15	WG2587661
Boron, Total Recoverable	14.4	I	12.6	200	1	09/02/2025 15:15	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:15	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:15	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:15	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:15	WG2587661
Iron, Total Recoverable	655		14.1	100	1	09/02/2025 15:15	WG2587661

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:15	WG2587661
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	09/02/2025 15:15	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:15	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:15	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:15	WG2587661

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	1.16	UV	0.250	2.00	1	09/14/2025 18:21	WG2587677
Beryllium, Total Recoverable	0.120	U	0.120	2.00	1	09/14/2025 18:21	WG2587677
Antimony, Total Recoverable	0.754	U	0.754	2.00	1	09/14/2025 18:21	WG2587677
Thallium, Total Recoverable	0.190	U	0.190	2.00	1	09/14/2025 18:21	WG2587677
Vanadium, Total Recoverable	2.04	UV	0.180	5.00	1	09/14/2025 18:21	WG2587677
Zinc, Total Recoverable	3.44	!	2.56	25.0	1	09/14/2025 18:21	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	U	0.120	0.500	1	08/27/2025 17:27	WG2588890
1,1,1-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 17:27	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 17:27	WG2588890
1,1,2-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 17:27	WG2588890
1,1-Dichloroethane	0.114	U	0.114	0.500	1	08/27/2025 17:27	WG2588890
1,1-Dichloroethene	0.188	U	0.188	0.500	1	08/27/2025 17:27	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 17:27	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 17:27	WG2588890
1,2-Dichlorobenzene	0.101	U	0.101	0.500	1	08/27/2025 17:27	WG2588890
1,2-Dichloroethane	0.108	U	0.108	0.500	1	08/27/2025 17:27	WG2588890
1,2-Dichloropropane	0.190	U	0.190	0.500	1	08/27/2025 17:27	WG2588890
1,4-Dichlorobenzene	0.121	U	0.121	0.500	1	08/27/2025 17:27	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 17:27	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 17:27	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	U	0.823	5.00	1	08/27/2025 17:27	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 17:27	WG2588890
Acrylonitrile	0.873	U	0.873	5.00	1	08/27/2025 17:27	WG2588890
Benzene	0.0896	U	0.0896	0.500	1	08/27/2025 17:27	WG2588890
Bromochloromethane	0.145	U	0.145	0.500	1	08/27/2025 17:27	WG2588890
Bromodichloromethane	0.0800	U	0.0800	0.500	1	08/27/2025 17:27	WG2588890
Bromoform	0.186	U	0.186	0.500	1	08/27/2025 17:27	WG2588890
Bromomethane	0.157	U	0.157	2.50	1	08/27/2025 17:27	WG2588890
Carbon disulfide	0.101	U	0.101	0.500	1	08/27/2025 17:27	WG2588890
Carbon tetrachloride	0.159	U	0.159	0.500	1	08/27/2025 17:27	WG2588890
Chlorobenzene	0.140	U	0.140	0.500	1	08/27/2025 17:27	WG2588890
Chloroethane	0.141	U	0.141	2.50	1	08/27/2025 17:27	WG2588890
Chloroform	0.0860	U	0.0860	0.500	1	08/27/2025 17:27	WG2588890
Chloromethane	0.153	U	0.153	1.25	1	08/27/2025 17:27	WG2588890
Dibromochloromethane	0.128	U	0.128	0.500	1	08/27/2025 17:27	WG2588890
Dibromomethane	0.117	U	0.117	0.500	1	08/27/2025 17:27	WG2588890
Ethylbenzene	0.158	U	0.158	0.500	1	08/27/2025 17:27	WG2588890
Iodomethane	0.377	U	0.377	10.0	1	08/27/2025 17:27	WG2588890
Methylene Chloride	1.07	U	1.07	2.50	1	08/27/2025 17:27	WG2588890
Styrene	0.117	U	0.117	0.500	1	08/27/2025 17:27	WG2588890
Tetrachloroethene	0.199	U	0.199	0.500	1	08/27/2025 17:27	WG2588890
Toluene	0.412	U	0.412	0.500	1	08/27/2025 17:27	WG2588890
Trichloroethene	0.153	U	0.153	0.500	1	08/27/2025 17:27	WG2588890

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trichlorofluoromethane	0.130	<u>U</u>	0.130	2.50	1	08/27/2025 17:27	WG2588890
Vinyl acetate	0.645	<u>U</u>	0.645	5.00	1	08/27/2025 17:27	WG2588890
Vinyl chloride	0.118	<u>U</u>	0.118	0.500	1	08/27/2025 17:27	WG2588890
Xylenes, Total	0.316	<u>U</u>	0.316	1.50	1	08/27/2025 17:27	WG2588890
cis-1,2-Dichloroethene	0.0933	<u>U</u>	0.0933	0.500	1	08/27/2025 17:27	WG2588890
cis-1,3-Dichloropropene	0.0976	<u>U</u>	0.0976	0.500	1	08/27/2025 17:27	WG2588890
trans-1,2-Dichloroethene	0.152	<u>U</u>	0.152	0.500	1	08/27/2025 17:27	WG2588890
trans-1,3-Dichloropropene	0.222	<u>U</u>	0.222	0.500	1	08/27/2025 17:27	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 <u>U</u>	0.257	5.00	1	08/27/2025 17:27	WG2588890
(S) 4-Bromofluorobenzene	92.5			77.0-126		08/27/2025 17:27	WG2588890
(S) Toluene-d8	107			80.0-120		08/27/2025 17:27	WG2588890
(S) 1,2-Dichloroethane-d4	88.8			70.0-130		08/27/2025 17:27	WG2588890

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00247	<u>U</u>	0.00247	0.0103	1.03	08/28/2025 00:22	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	124.57	ft
pH (On Site)	4.83	su
Temperature (on-site)	29.3	Deg. C
Specific Conductance (on site)	293	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	2.7	NTU
eH/ORP (On Site)	83	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	214		10.0	1	08/28/2025 16:50	WG2589443

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	9.42		0.0519	1.00	1	08/24/2025 01:22	WG2586054
Fluoride	0.0623	I V	0.00990	0.100	1	08/24/2025 01:22	WG2586054
Nitrate as (N)	0.0429	I Q V	0.0227	0.100	1	08/24/2025 01:22	WG2586054
Sulfate	102		0.387	25.0	5	08/24/2025 01:35	WG2586054

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.282		0.0317	0.100	1	08/27/2025 19:24	WG2589246

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Nitrate-Nitrite	0.0197	U	0.0197	0.100	1	09/01/2025 20:41	WG2592222

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 08:29	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	11.7		0.0463	1.00	1	09/02/2025 15:17	WG2587661
Sodium, Total Recoverable	31.2		0.0111	1.00	1	09/02/2025 15:17	WG2587661
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:17	WG2587661
Barium, Total Recoverable	29.5		1.70	5.00	1	09/02/2025 15:17	WG2587661
Boron, Total Recoverable	19.9	I	12.6	200	1	09/02/2025 15:17	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:17	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:17	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:17	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:17	WG2587661
Iron, Total Recoverable	1480		14.1	100	1	09/02/2025 15:17	WG2587661

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:17	WG2587661
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	09/02/2025 15:17	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:17	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:17	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:17	WG2587661

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.250	U	0.250	2.00	1	09/14/2025 18:24	WG2587677
Beryllium, Total Recoverable	0.120	U	0.120	2.00	1	09/14/2025 18:24	WG2587677
Antimony, Total Recoverable	0.754	U	0.754	2.00	1	09/14/2025 18:24	WG2587677
Thallium, Total Recoverable	0.190	U	0.190	2.00	1	09/14/2025 18:24	WG2587677
Vanadium, Total Recoverable	3.27	V	0.180	5.00	1	09/14/2025 18:24	WG2587677
Zinc, Total Recoverable	2.56	U	2.56	25.0	1	09/14/2025 18:24	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	U	0.120	0.500	1	08/27/2025 17:47	WG2588890
1,1,1-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 17:47	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 17:47	WG2588890
1,1,2-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 17:47	WG2588890
1,1-Dichloroethane	0.114	U	0.114	0.500	1	08/27/2025 17:47	WG2588890
1,1-Dichloroethene	0.188	U	0.188	0.500	1	08/27/2025 17:47	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 17:47	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 17:47	WG2588890
1,2-Dichlorobenzene	0.101	U	0.101	0.500	1	08/27/2025 17:47	WG2588890
1,2-Dichloroethane	0.108	U	0.108	0.500	1	08/27/2025 17:47	WG2588890
1,2-Dichloropropane	0.190	U	0.190	0.500	1	08/27/2025 17:47	WG2588890
1,4-Dichlorobenzene	0.121	U	0.121	0.500	1	08/27/2025 17:47	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 17:47	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 17:47	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	U	0.823	5.00	1	08/27/2025 17:47	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 17:47	WG2588890
Acrylonitrile	0.873	U	0.873	5.00	1	08/27/2025 17:47	WG2588890
Benzene	0.0896	U	0.0896	0.500	1	08/27/2025 17:47	WG2588890
Bromochloromethane	0.145	U	0.145	0.500	1	08/27/2025 17:47	WG2588890
Bromodichloromethane	0.0800	U	0.0800	0.500	1	08/27/2025 17:47	WG2588890
Bromoform	0.186	U	0.186	0.500	1	08/27/2025 17:47	WG2588890
Bromomethane	0.157	U	0.157	2.50	1	08/27/2025 17:47	WG2588890
Carbon disulfide	0.101	U	0.101	0.500	1	08/27/2025 17:47	WG2588890
Carbon tetrachloride	0.159	U	0.159	0.500	1	08/27/2025 17:47	WG2588890
Chlorobenzene	0.140	U	0.140	0.500	1	08/27/2025 17:47	WG2588890
Chloroethane	0.141	U	0.141	2.50	1	08/27/2025 17:47	WG2588890
Chloroform	0.0860	U	0.0860	0.500	1	08/27/2025 17:47	WG2588890
Chloromethane	0.153	U	0.153	1.25	1	08/27/2025 17:47	WG2588890
Dibromochloromethane	0.128	U	0.128	0.500	1	08/27/2025 17:47	WG2588890
Dibromomethane	0.117	U	0.117	0.500	1	08/27/2025 17:47	WG2588890
Ethylbenzene	0.158	U	0.158	0.500	1	08/27/2025 17:47	WG2588890
Iodomethane	0.377	U	0.377	10.0	1	08/27/2025 17:47	WG2588890
Methylene Chloride	1.07	U	1.07	2.50	1	08/27/2025 17:47	WG2588890
Styrene	0.117	U	0.117	0.500	1	08/27/2025 17:47	WG2588890
Tetrachloroethene	0.199	U	0.199	0.500	1	08/27/2025 17:47	WG2588890
Toluene	0.412	U	0.412	0.500	1	08/27/2025 17:47	WG2588890
Trichloroethene	0.153	U	0.153	0.500	1	08/27/2025 17:47	WG2588890

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trichlorofluoromethane	0.130	U	0.130	2.50	1	08/27/2025 17:47	WG2588890
Vinyl acetate	0.645	U	0.645	5.00	1	08/27/2025 17:47	WG2588890
Vinyl chloride	0.118	U	0.118	0.500	1	08/27/2025 17:47	WG2588890
Xylenes, Total	0.316	U	0.316	1.50	1	08/27/2025 17:47	WG2588890
cis-1,2-Dichloroethene	0.0933	U	0.0933	0.500	1	08/27/2025 17:47	WG2588890
cis-1,3-Dichloropropene	0.0976	U	0.0976	0.500	1	08/27/2025 17:47	WG2588890
trans-1,2-Dichloroethene	0.152	U	0.152	0.500	1	08/27/2025 17:47	WG2588890
trans-1,3-Dichloropropene	0.222	U	0.222	0.500	1	08/27/2025 17:47	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 17:47	WG2588890
(S) 4-Bromofluorobenzene	94.1			77.0-126		08/27/2025 17:47	WG2588890
(S) Toluene-d8	107			80.0-120		08/27/2025 17:47	WG2588890
(S) 1,2-Dichloroethane-d4	90.8			70.0-130		08/27/2025 17:47	WG2588890

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00250	U	0.00250	0.0104	1.04	08/28/2025 00:31	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	122.07	ft
pH (On Site)	5.98	su
Temperature (on-site)	29.1	Deg. C
Specific Conductance (on site)	125	umhos/cm
Dissolved Oxygen (on-site)	.9	mg/l
Turbidity (on-site)	4.63	NTU
eH/ORP (On Site)	105	mV

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	95.0		10.0	1	08/28/2025 16:50	WG2589443

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	4.62		0.0519	1.00	1	08/24/2025 01:47	WG2586054
Fluoride	0.0597	I V	0.00990	0.100	1	08/24/2025 01:47	WG2586054
Nitrate as (N)	0.123	Q V	0.0227	0.100	1	08/24/2025 01:47	WG2586054
Sulfate	5.64		0.0774	5.00	1	08/24/2025 01:47	WG2586054

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	08/27/2025 23:33	WG2589318

Wet Chemistry by Method 353.2

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Nitrate-Nitrite	0.119		0.0197	0.100	1	09/01/2025 20:46	WG2592222

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:19	WG2587184

Metals (ICP) by Method 6010D

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Calcium, Total Recoverable	15.5		0.0463	1.00	1	09/02/2025 15:19	WG2587661
Sodium, Total Recoverable	2.48		0.0111	1.00	1	09/02/2025 15:19	WG2587661

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:19	WG2587661
Barium, Total Recoverable	3.58	I	1.70	5.00	1	09/02/2025 15:19	WG2587661
Boron, Total Recoverable	12.6	U	12.6	200	1	09/02/2025 15:19	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:19	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:19	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:19	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:19	WG2587661
Iron, Total Recoverable	78.6	I	14.1	100	1	09/02/2025 15:19	WG2587661

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

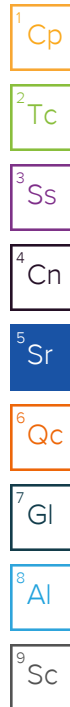
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lithium, Total Recoverable	5.30	U	5.30	15.0	1	09/02/2025 15:19	WG2587661
Molybdenum, Total Recoverable	1.60	U	1.60	5.00	1	09/02/2025 15:19	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:19	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:19	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:19	WG2587661

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.310	UV	0.250	2.00	1	09/14/2025 18:27	WG2587677
Beryllium, Total Recoverable	0.120	U	0.120	2.00	1	09/14/2025 18:27	WG2587677
Antimony, Total Recoverable	0.754	U	0.754	2.00	1	09/14/2025 18:27	WG2587677
Thallium, Total Recoverable	0.190	U	0.190	2.00	1	09/14/2025 18:27	WG2587677
Vanadium, Total Recoverable	5.49	UV	0.180	5.00	1	09/14/2025 18:27	WG2587677
Zinc, Total Recoverable	2.56	U	2.56	25.0	1	09/14/2025 18:27	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	U	0.120	0.500	1	08/27/2025 18:07	WG2588890
1,1,1-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 18:07	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 18:07	WG2588890
1,1,2-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 18:07	WG2588890
1,1-Dichloroethane	0.114	U	0.114	0.500	1	08/27/2025 18:07	WG2588890
1,1-Dichloroethene	0.188	U	0.188	0.500	1	08/27/2025 18:07	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 18:07	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 18:07	WG2588890
1,2-Dichlorobenzene	0.101	U	0.101	0.500	1	08/27/2025 18:07	WG2588890
1,2-Dichloroethane	0.108	U	0.108	0.500	1	08/27/2025 18:07	WG2588890
1,2-Dichloropropane	0.190	U	0.190	0.500	1	08/27/2025 18:07	WG2588890
1,4-Dichlorobenzene	0.121	U	0.121	0.500	1	08/27/2025 18:07	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 18:07	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 18:07	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	U	0.823	5.00	1	08/27/2025 18:07	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 18:07	WG2588890
Acrylonitrile	0.873	U	0.873	5.00	1	08/27/2025 18:07	WG2588890
Benzene	0.0896	U	0.0896	0.500	1	08/27/2025 18:07	WG2588890
Bromochloromethane	0.145	U	0.145	0.500	1	08/27/2025 18:07	WG2588890
Bromodichloromethane	0.0800	U	0.0800	0.500	1	08/27/2025 18:07	WG2588890
Bromoform	0.186	U	0.186	0.500	1	08/27/2025 18:07	WG2588890
Bromomethane	0.157	U	0.157	2.50	1	08/27/2025 18:07	WG2588890
Carbon disulfide	0.101	U	0.101	0.500	1	08/27/2025 18:07	WG2588890
Carbon tetrachloride	0.159	U	0.159	0.500	1	08/27/2025 18:07	WG2588890
Chlorobenzene	0.140	U	0.140	0.500	1	08/27/2025 18:07	WG2588890
Chloroethane	0.141	U	0.141	2.50	1	08/27/2025 18:07	WG2588890
Chloroform	0.0860	U	0.0860	0.500	1	08/27/2025 18:07	WG2588890
Chloromethane	0.153	U	0.153	1.25	1	08/27/2025 18:07	WG2588890
Dibromochloromethane	0.128	U	0.128	0.500	1	08/27/2025 18:07	WG2588890
Dibromomethane	0.117	U	0.117	0.500	1	08/27/2025 18:07	WG2588890
Ethylbenzene	0.158	U	0.158	0.500	1	08/27/2025 18:07	WG2588890
Iodomethane	0.377	U	0.377	10.0	1	08/27/2025 18:07	WG2588890
Methylene Chloride	1.07	U	1.07	2.50	1	08/27/2025 18:07	WG2588890
Styrene	0.117	U	0.117	0.500	1	08/27/2025 18:07	WG2588890
Tetrachloroethene	0.199	U	0.199	0.500	1	08/27/2025 18:07	WG2588890
Toluene	0.412	U	0.412	0.500	1	08/27/2025 18:07	WG2588890
Trichloroethene	0.153	U	0.153	0.500	1	08/27/2025 18:07	WG2588890



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Trichlorofluoromethane	0.130	U	0.130	2.50	1	08/27/2025 18:07	WG2588890
Vinyl acetate	0.645	U	0.645	5.00	1	08/27/2025 18:07	WG2588890
Vinyl chloride	0.118	U	0.118	0.500	1	08/27/2025 18:07	WG2588890
Xylenes, Total	0.316	U	0.316	1.50	1	08/27/2025 18:07	WG2588890
cis-1,2-Dichloroethene	0.0933	U	0.0933	0.500	1	08/27/2025 18:07	WG2588890
cis-1,3-Dichloropropene	0.0976	U	0.0976	0.500	1	08/27/2025 18:07	WG2588890
trans-1,2-Dichloroethene	0.152	U	0.152	0.500	1	08/27/2025 18:07	WG2588890
trans-1,3-Dichloropropene	0.222	U	0.222	0.500	1	08/27/2025 18:07	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 18:07	WG2588890
(S) 4-Bromofluorobenzene	93.6			77.0-126		08/27/2025 18:07	WG2588890
(S) Toluene-d8	108			80.0-120		08/27/2025 18:07	WG2588890
(S) 1,2-Dichloroethane-d4	89.2			70.0-130		08/27/2025 18:07	WG2588890

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00252	U	0.00252	0.0105	1.05	08/28/2025 01:10	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
pH (On Site)	4.99	su
Temperature (on-site)	29.6	Deg. C
Specific Conductance (on site)	138	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	4.22	NTU
eH/ORP (On Site)	126	mV

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Gravimetric Analysis by Method 2540 C-2011

	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte						
Dissolved Solids	100		10.0	1	08/29/2025 17:39	WG2589730

Wet Chemistry by Method 300.0

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Chloride	3.66		0.0519	1.00	1	08/24/2025 03:28	WG2586087
Nitrate as (N)	0.0744	I V	0.0227	0.100	1	08/24/2025 03:28	WG2586087

Wet Chemistry by Method 350.1

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Ammonia Nitrogen	0.255		0.0317	0.100	1	08/27/2025 23:34	WG2589318

Mercury by Method 7470A

	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Mercury	0.0490	U	0.0490	0.200	1	09/02/2025 09:27	WG2587184

Metals (ICP) by Method 6010D

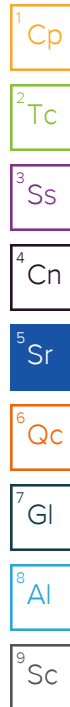
	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
Analyte							
Sodium, Total Recoverable	3.27		0.0111	1.00	1	09/02/2025 15:20	WG2587661
Analyte							
Silver, Total Recoverable	2.80	U	2.80	5.00	1	09/02/2025 15:20	WG2587661
Barium, Total Recoverable	17.5		1.70	5.00	1	09/02/2025 15:20	WG2587661
Cadmium, Total Recoverable	0.700	U	0.700	2.00	1	09/02/2025 15:20	WG2587661
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/02/2025 15:20	WG2587661
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/02/2025 15:20	WG2587661
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/02/2025 15:20	WG2587661
Iron, Total Recoverable	491		14.1	100	1	09/02/2025 15:20	WG2587661
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/02/2025 15:20	WG2587661
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/02/2025 15:20	WG2587661
Selenium, Total Recoverable	7.40	U	7.40	10.0	1	09/02/2025 15:20	WG2587661

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.256	LV	0.250	2.00	1	09/14/2025 18:30	WG2587677
Beryllium, Total Recoverable	0.120	C	0.120	2.00	1	09/14/2025 18:30	WG2587677
Antimony, Total Recoverable	0.754	C	0.754	2.00	1	09/14/2025 18:30	WG2587677
Thallium, Total Recoverable	0.190	C	0.190	2.00	1	09/14/2025 18:30	WG2587677
Vanadium, Total Recoverable	8.71		0.180	5.00	1	09/14/2025 18:30	WG2587677
Zinc, Total Recoverable	2.56	U	2.56	25.0	1	09/14/2025 18:30	WG2587677

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	C	0.120	0.500	1	08/27/2025 18:26	WG2588890
1,1,1-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 18:26	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 18:26	WG2588890
1,1,2-Trichloroethane	0.0940	C	0.0940	0.500	1	08/27/2025 18:26	WG2588890
1,1-Dichloroethane	0.114	C	0.114	0.500	1	08/27/2025 18:26	WG2588890
1,1-Dichloroethene	0.188	C	0.188	0.500	1	08/27/2025 18:26	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 18:26	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 18:26	WG2588890
1,2-Dichlorobenzene	0.101	C	0.101	0.500	1	08/27/2025 18:26	WG2588890
1,2-Dichloroethane	0.108	C	0.108	0.500	1	08/27/2025 18:26	WG2588890
1,2-Dichloropropane	0.190	C	0.190	0.500	1	08/27/2025 18:26	WG2588890
1,4-Dichlorobenzene	0.121	C	0.121	0.500	1	08/27/2025 18:26	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 18:26	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 18:26	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	C	0.823	5.00	1	08/27/2025 18:26	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 18:26	WG2588890
Acrylonitrile	0.873	C	0.873	5.00	1	08/27/2025 18:26	WG2588890
Benzene	0.0896	C	0.0896	0.500	1	08/27/2025 18:26	WG2588890
Bromochloromethane	0.145	C	0.145	0.500	1	08/27/2025 18:26	WG2588890
Bromodichloromethane	0.0800	C	0.0800	0.500	1	08/27/2025 18:26	WG2588890
Bromoform	0.186	C	0.186	0.500	1	08/27/2025 18:26	WG2588890
Bromomethane	0.157	C	0.157	2.50	1	08/27/2025 18:26	WG2588890
Carbon disulfide	0.101	C	0.101	0.500	1	08/27/2025 18:26	WG2588890
Carbon tetrachloride	0.159	C	0.159	0.500	1	08/27/2025 18:26	WG2588890
Chlorobenzene	0.140	C	0.140	0.500	1	08/27/2025 18:26	WG2588890
Chloroethane	0.141	C	0.141	2.50	1	08/27/2025 18:26	WG2588890
Chloroform	0.0860	C	0.0860	0.500	1	08/27/2025 18:26	WG2588890
Chloromethane	0.153	C	0.153	1.25	1	08/27/2025 18:26	WG2588890
Dibromochloromethane	0.128	C	0.128	0.500	1	08/27/2025 18:26	WG2588890
Dibromomethane	0.117	C	0.117	0.500	1	08/27/2025 18:26	WG2588890
Ethylbenzene	0.158	C	0.158	0.500	1	08/27/2025 18:26	WG2588890
Iodomethane	0.377	C	0.377	10.0	1	08/27/2025 18:26	WG2588890
Methylene Chloride	1.07	C	1.07	2.50	1	08/27/2025 18:26	WG2588890
Styrene	0.117	C	0.117	0.500	1	08/27/2025 18:26	WG2588890
Tetrachloroethene	0.199	C	0.199	0.500	1	08/27/2025 18:26	WG2588890
Toluene	0.412	C	0.412	0.500	1	08/27/2025 18:26	WG2588890
Trichloroethene	0.153	C	0.153	0.500	1	08/27/2025 18:26	WG2588890
Trichlorofluoromethane	0.130	C	0.130	2.50	1	08/27/2025 18:26	WG2588890
Vinyl acetate	0.645	C	0.645	5.00	1	08/27/2025 18:26	WG2588890
Vinyl chloride	0.118	C	0.118	0.500	1	08/27/2025 18:26	WG2588890
Xylenes, Total	0.316	C	0.316	1.50	1	08/27/2025 18:26	WG2588890
cis-1,2-Dichloroethene	0.0933	C	0.0933	0.500	1	08/27/2025 18:26	WG2588890
cis-1,3-Dichloropropene	0.0976	C	0.0976	0.500	1	08/27/2025 18:26	WG2588890
trans-1,2-Dichloroethene	0.152	C	0.152	0.500	1	08/27/2025 18:26	WG2588890
trans-1,3-Dichloropropene	0.222	C	0.222	0.500	1	08/27/2025 18:26	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 18:26	WG2588890



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
(S) 4-Bromofluorobenzene	93.7			77.0-126		08/27/2025 18:26	WG2588890
(S) Toluene-d8	107			80.0-120		08/27/2025 18:26	WG2588890
(S) 1,2-Dichloroethane-d4	89.8			70.0-130		08/27/2025 18:26	WG2588890

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00245	U	0.00245	0.0102	1.02	08/28/2025 01:20	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

Analyte	Result	Units
Sampling Method	Z	

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1,2-Tetrachloroethane	0.120	U	0.120	0.500	1	08/27/2025 11:49	WG2588890
1,1,1-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 11:49	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 11:49	WG2588890
1,1,2-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 11:49	WG2588890
1,1-Dichloroethane	0.114	U	0.114	0.500	1	08/27/2025 11:49	WG2588890
1,1-Dichloroethene	0.188	U	0.188	0.500	1	08/27/2025 11:49	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 11:49	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 11:49	WG2588890
1,2-Dichlorobenzene	0.101	U	0.101	0.500	1	08/27/2025 11:49	WG2588890
1,2-Dichloroethane	0.108	U	0.108	0.500	1	08/27/2025 11:49	WG2588890
1,2-Dichloropropane	0.190	U	0.190	0.500	1	08/27/2025 11:49	WG2588890
1,4-Dichlorobenzene	0.121	U	0.121	0.500	1	08/27/2025 11:49	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 11:49	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 11:49	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	U	0.823	5.00	1	08/27/2025 11:49	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 11:49	WG2588890
Acrylonitrile	0.873	U	0.873	5.00	1	08/27/2025 11:49	WG2588890
Benzene	0.0896	U	0.0896	0.500	1	08/27/2025 11:49	WG2588890
Bromochloromethane	0.145	U	0.145	0.500	1	08/27/2025 11:49	WG2588890
Bromodichloromethane	0.0800	U	0.0800	0.500	1	08/27/2025 11:49	WG2588890
Bromoform	0.186	U	0.186	0.500	1	08/27/2025 11:49	WG2588890
Bromomethane	0.157	U	0.157	2.50	1	08/27/2025 11:49	WG2588890
Carbon disulfide	0.101	U	0.101	0.500	1	08/27/2025 11:49	WG2588890
Carbon tetrachloride	0.159	U	0.159	0.500	1	08/27/2025 11:49	WG2588890
Chlorobenzene	0.140	U	0.140	0.500	1	08/27/2025 11:49	WG2588890
Chloroethane	0.141	U	0.141	2.50	1	08/27/2025 11:49	WG2588890
Chloroform	0.0860	U	0.0860	0.500	1	08/27/2025 11:49	WG2588890
Chloromethane	0.153	U	0.153	1.25	1	08/27/2025 11:49	WG2588890
Dibromochloromethane	0.128	U	0.128	0.500	1	08/27/2025 11:49	WG2588890
Dibromomethane	0.117	U	0.117	0.500	1	08/27/2025 11:49	WG2588890
Ethylbenzene	0.158	U	0.158	0.500	1	08/27/2025 11:49	WG2588890
Iodomethane	0.377	U	0.377	10.0	1	08/27/2025 11:49	WG2588890
Methylene Chloride	1.07	U	1.07	2.50	1	08/27/2025 11:49	WG2588890
Styrene	0.117	U	0.117	0.500	1	08/27/2025 11:49	WG2588890
Tetrachloroethene	0.199	U	0.199	0.500	1	08/27/2025 11:49	WG2588890
Toluene	0.412	U	0.412	0.500	1	08/27/2025 11:49	WG2588890
Trichloroethene	0.153	U	0.153	0.500	1	08/27/2025 11:49	WG2588890
Trichlorofluoromethane	0.130	U	0.130	2.50	1	08/27/2025 11:49	WG2588890
Vinyl acetate	0.645	U	0.645	5.00	1	08/27/2025 11:49	WG2588890
Vinyl chloride	0.118	U	0.118	0.500	1	08/27/2025 11:49	WG2588890
Xylenes, Total	0.316	U	0.316	1.50	1	08/27/2025 11:49	WG2588890
cis-1,2-Dichloroethene	0.0933	U	0.0933	0.500	1	08/27/2025 11:49	WG2588890
cis-1,3-Dichloropropene	0.0976	U	0.0976	0.500	1	08/27/2025 11:49	WG2588890
trans-1,2-Dichloroethene	0.152	U	0.152	0.500	1	08/27/2025 11:49	WG2588890
trans-1,3-Dichloropropene	0.222	U	0.222	0.500	1	08/27/2025 11:49	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 11:49	WG2588890
(S) 4-Bromofluorobenzene	93.6			77.0-126		08/27/2025 11:49	WG2588890
(S) Toluene-d8	108			80.0-120		08/27/2025 11:49	WG2588890
(S) 1,2-Dichloroethane-d4	88.1			70.0-130		08/27/2025 11:49	WG2588890

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00250	<u>U</u>	0.00250	0.0104	1.04	08/28/2025 01:30	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

	Result	Units
Analyte		
Sampling Method	Z	

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,1,2-Tetrachloroethane	0.120	U	0.120	0.500	1	08/27/2025 12:09	WG2588890
1,1,1-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 12:09	WG2588890
1,1,2,2-Tetrachloroethane	0.130	C3 U	0.130	0.500	1	08/27/2025 12:09	WG2588890
1,1,2-Trichloroethane	0.0940	U	0.0940	0.500	1	08/27/2025 12:09	WG2588890
1,1-Dichloroethane	0.114	U	0.114	0.500	1	08/27/2025 12:09	WG2588890
1,1-Dichloroethene	0.188	U	0.188	0.500	1	08/27/2025 12:09	WG2588890
1,2,3-Trichloropropane	0.247	C3 U	0.247	2.50	1	08/27/2025 12:09	WG2588890
1,2-Dibromo-3-Chloropropane	0.325	C3 U	0.325	2.50	1	08/27/2025 12:09	WG2588890
1,2-Dichlorobenzene	0.101	U	0.101	0.500	1	08/27/2025 12:09	WG2588890
1,2-Dichloroethane	0.108	U	0.108	0.500	1	08/27/2025 12:09	WG2588890
1,2-Dichloropropane	0.190	U	0.190	0.500	1	08/27/2025 12:09	WG2588890
1,4-Dichlorobenzene	0.121	U	0.121	0.500	1	08/27/2025 12:09	WG2588890
2-Butanone (MEK)	1.28	C3 U	1.28	5.00	1	08/27/2025 12:09	WG2588890
2-Hexanone	0.757	C3 U	0.757	5.00	1	08/27/2025 12:09	WG2588890
4-Methyl-2-pentanone (MIBK)	0.823	U	0.823	5.00	1	08/27/2025 12:09	WG2588890
Acetone	1.05	C3 U	1.05	25.0	1	08/27/2025 12:09	WG2588890
Acrylonitrile	0.873	U	0.873	5.00	1	08/27/2025 12:09	WG2588890
Benzene	0.0896	U	0.0896	0.500	1	08/27/2025 12:09	WG2588890
Bromochloromethane	0.145	U	0.145	0.500	1	08/27/2025 12:09	WG2588890
Bromodichloromethane	0.0800	U	0.0800	0.500	1	08/27/2025 12:09	WG2588890
Bromoform	0.186	U	0.186	0.500	1	08/27/2025 12:09	WG2588890
Bromomethane	0.157	U	0.157	2.50	1	08/27/2025 12:09	WG2588890
Carbon disulfide	0.101	U	0.101	0.500	1	08/27/2025 12:09	WG2588890
Carbon tetrachloride	0.159	U	0.159	0.500	1	08/27/2025 12:09	WG2588890
Chlorobenzene	0.140	U	0.140	0.500	1	08/27/2025 12:09	WG2588890
Chloroethane	0.141	U	0.141	2.50	1	08/27/2025 12:09	WG2588890
Chloroform	0.0860	U	0.0860	0.500	1	08/27/2025 12:09	WG2588890
Chloromethane	0.153	U	0.153	1.25	1	08/27/2025 12:09	WG2588890
Dibromochloromethane	0.128	U	0.128	0.500	1	08/27/2025 12:09	WG2588890
Dibromomethane	0.117	U	0.117	0.500	1	08/27/2025 12:09	WG2588890
Ethylbenzene	0.158	U	0.158	0.500	1	08/27/2025 12:09	WG2588890
Iodomethane	0.377	U	0.377	10.0	1	08/27/2025 12:09	WG2588890
Methylene Chloride	1.07	U	1.07	2.50	1	08/27/2025 12:09	WG2588890
Styrene	0.117	U	0.117	0.500	1	08/27/2025 12:09	WG2588890
Tetrachloroethene	0.199	U	0.199	0.500	1	08/27/2025 12:09	WG2588890
Toluene	0.412	U	0.412	0.500	1	08/27/2025 12:09	WG2588890
Trichloroethene	0.153	U	0.153	0.500	1	08/27/2025 12:09	WG2588890
Trichlorofluoromethane	0.130	U	0.130	2.50	1	08/27/2025 12:09	WG2588890
Vinyl acetate	0.645	U	0.645	5.00	1	08/27/2025 12:09	WG2588890
Vinyl chloride	0.118	U	0.118	0.500	1	08/27/2025 12:09	WG2588890
Xylenes, Total	0.316	U	0.316	1.50	1	08/27/2025 12:09	WG2588890
cis-1,2-Dichloroethene	0.0933	U	0.0933	0.500	1	08/27/2025 12:09	WG2588890
cis-1,3-Dichloropropene	0.0976	U	0.0976	0.500	1	08/27/2025 12:09	WG2588890
trans-1,2-Dichloroethene	0.152	U	0.152	0.500	1	08/27/2025 12:09	WG2588890
trans-1,3-Dichloropropene	0.222	U	0.222	0.500	1	08/27/2025 12:09	WG2588890
trans-1,4-Dichloro-2-butene	0.257	C3 U	0.257	5.00	1	08/27/2025 12:09	WG2588890
(S) 4-Bromofluorobenzene	92.7			77.0-126		08/27/2025 12:09	WG2588890
(S) Toluene-d8	107			80.0-120		08/27/2025 12:09	WG2588890
(S) 1,2-Dichloroethane-d4	89.6			70.0-130		08/27/2025 12:09	WG2588890

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00252	<u>U</u>	0.00252	0.0105	1.05	08/28/2025 01:40	WG2586551

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4266742-1 08/28/25 16:50

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	2.82	<u>U</u>	2.82	10.0

L1891308-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1891308-02 08/28/25 16:50 • (DUP) R4266742-3 08/28/25 16:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	736	710	1	3.60		10

L1891779-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1891779-03 08/28/25 16:50 • (DUP) R4266742-4 08/28/25 16:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	41900	43500	1	3.75		10

Laboratory Control Sample (LCS)

(LCS) R4266742-2 08/28/25 16:50

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8710	99.0	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4266732-1 08/29/25 17:39

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	2.82	<u>U</u>	2.82	10.0

L1891708-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891708-01 08/29/25 17:39 • (DUP) R4266732-3 08/29/25 17:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	95.0	99.0	1	4.12		10

L1891739-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1891739-17 08/29/25 17:39 • (DUP) R4266732-4 08/29/25 17:39

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	273	272	1	0.367		10

Laboratory Control Sample (LCS)

(LCS) R4266732-2 08/29/25 17:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8630	98.1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4263148-1 08/23/25 19:12

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	0.287		0.0519	1.00
Fluoride	0.0407		0.00990	0.100
Nitrate as (N)	0.0447		0.0227	0.100
Sulfate	0.327		0.0774	5.00

L1890970-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1890970-10 08/23/25 19:37 • (DUP) R4263148-3 08/23/25 19:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	17.2	17.0	1	1.38		15
Fluoride		0.235	1	4.91		15
Nitrate as (N)	0.0437	0.0431	1	0.000		15
Sulfate	16.3	16.0	1	1.82		15

L1891563-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1891563-04 08/24/25 00:07 • (DUP) R4263148-6 08/24/25 00:20

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	0.453	0.428	1	0.000		15
Fluoride	0.0490	0.0450	1	0.000		15
Nitrate as (N)	0.0464	0.0475	1	0.000		15
Sulfate	0.451	0.404	1	0.000		15

Laboratory Control Sample (LCS)

(LCS) R4263148-2 08/23/25 19:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	38.0	95.1	90.0-110	
Fluoride	8.00	7.91	98.8	90.0-110	
Nitrate as (N)	8.00	7.83	97.9	90.0-110	
Sulfate	40.0	38.5	96.3	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1890970-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1890970-10 08/23/25 19:37 • (MS) R4263148-4 08/23/25 20:03 • (MSD) R4263148-5 08/23/25 20:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Chloride	40.0	17.2	56.5	56.4	98.3	98.1	1	90.0-110			0.188	15
Fluoride	8.00		8.90	8.86	108	108	1	90.0-110			0.416	15
Nitrate as (N)	8.00	0.0437	8.52	8.51	107	106	1	90.0-110			0.222	15
Sulfate	40.0	16.3	56.6	56.4	101	100	1	90.0-110			0.365	15

L1891563-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891563-04 08/24/25 00:07 • (MS) R4263148-7 08/24/25 00:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Chloride	40.0	0.453	40.1	100	1	90.0-110	
Fluoride	8.00	0.0490	8.24	103	1	90.0-110	
Nitrate as (N)	8.00	0.0464	8.29	104	1	90.0-110	
Sulfate	40.0	0.451	40.4	101	1	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4263217-1 08/23/25 18:52

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Chloride	0.218		0.0519	1.00
Fluoride	0.00990	U	0.00990	0.100
Nitrate as (N)	0.0477		0.0227	0.100
Sulfate	0.315		0.0774	5.00

L1891708-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891708-01 08/24/25 00:53 • (DUP) R4263217-3 08/24/25 01:06

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	3.09	3.55	1	14.1		15
Fluoride	0.130	0.141	1	8.05	!	15
Nitrate as (N)	1.12	1.08	1	3.57		15
Sulfate	9.86	9.86	1	0.0375		15

L1891708-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1891708-02 08/24/25 01:45 • (DUP) R4263217-6 08/24/25 01:58

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Chloride	1.09	0.774	1	33.6	!U	15
Fluoride	0.0526	0.0510	1	0.000		15
Nitrate as (N)	0.118	0.112	1	5.75		15
Sulfate	1.93	1.90	1	1.63	!	15

Laboratory Control Sample (LCS)

(LCS) R4263217-2 08/23/25 19:05

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Chloride	40.0	39.8	99.4	90.0-110	
Fluoride	8.00	8.60	108	90.0-110	
Nitrate as (N)	8.00	8.32	104	90.0-110	
Sulfate	40.0	40.6	102	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1891708-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891708-01 08/24/25 00:53 • (MS) R4263217-4 08/24/25 01:19 • (MSD) R4263217-5 08/24/25 01:32

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	3.09	43.2	43.0	100	99.8	1	90.0-110			0.456	15
Fluoride	8.00	0.130	8.74	8.66	108	107	1	90.0-110			0.953	15
Nitrate as (N)	8.00	1.12	9.60	9.51	106	105	1	90.0-110			0.951	15
Sulfate	40.0	9.86	49.9	49.7	100	99.6	1	90.0-110			0.395	15

L1891708-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891708-02 08/24/25 01:45 • (MS) R4263217-7 08/24/25 02:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	1.09	40.8	99.3	1	90.0-110	
Fluoride	8.00	0.0526	8.62	108	1	90.0-110	
Nitrate as (N)	8.00	0.118	8.52	105	1	90.0-110	
Sulfate	40.0	1.93	42.6	102	1	90.0-110	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4265216-1 08/27/25 18:38

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

L1891623-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891623-01 08/27/25 18:47 • (DUP) R4265216-3 08/27/25 18:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Ammonia Nitrogen	1.02	0.999	1	1.88		10

L1891625-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891625-01 08/27/25 18:57 • (DUP) R4265216-6 08/27/25 18:59

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Ammonia Nitrogen	0.148	0.145	1	2.05		10

Laboratory Control Sample (LCS)

(LCS) R4265216-2 08/27/25 18:39

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Ammonia Nitrogen	7.50	7.22	96.3	90.0-110	

L1891623-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891623-01 08/27/25 18:47 • (MS) R4265216-4 08/27/25 18:50 • (MSD) R4265216-5 08/27/25 18:51

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Ammonia Nitrogen	5.00	1.02	5.70	5.79	93.6	95.4	1	90.0-110			1.58	10

L1891625-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891625-01 08/27/25 18:57 • (MS) R4265216-7 08/27/25 19:00

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Ammonia Nitrogen	5.00	0.148	4.96	96.2	1	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4265220-1 08/27/25 23:30

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Ammonia Nitrogen	0.0317	<u>U</u>	0.0317	0.100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1891721-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1891721-01 08/27/25 23:36 • (DUP) R4265220-3 08/27/25 23:37

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Ammonia Nitrogen	0.0317	0.0317	1	0.000	<u>U</u>	10

L1891721-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1891721-09 08/27/25 23:49 • (DUP) R4265220-5 08/27/25 23:51

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Ammonia Nitrogen	0.0317	0.0317	1	0.000	<u>U</u>	10

Laboratory Control Sample (LCS)

(LCS) R4265220-2 08/27/25 23:31

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Ammonia Nitrogen	7.50	7.24	96.6	90.0-110	

L1891721-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891721-01 08/27/25 23:36 • (MS) R4265220-4 08/27/25 23:39

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Ammonia Nitrogen	5.00	0.0317	4.74	94.8	1	90.0-110	

L1891721-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891721-09 08/27/25 23:49 • (MS) R4265220-6 08/27/25 23:52 • (MSD) R4265220-7 08/27/25 23:54

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Ammonia Nitrogen	5.00	0.0317	4.81	4.92	96.3	98.4	1	90.0-110			2.20	10

Method Blank (MB)

(MB) R4267233-1 09/01/25 20:14

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

L1891648-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1891648-02 09/01/25 20:22 • (DUP) R4267233-3 09/01/25 20:23

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.265	0.265	1	0.000		20

L1891648-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1891648-03 09/01/25 20:29 • (DUP) R4267233-5 09/01/25 20:31

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.0986	0.110	1	10.9	!	20

Laboratory Control Sample (LCS)

(LCS) R4267233-2 09/01/25 20:15

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Nitrate-Nitrite	2.50	2.55	102	90.0-110	

L1891648-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891648-02 09/01/25 20:22 • (MS) R4267233-4 09/01/25 20:24

	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	2.50	0.265	2.81	102	1	90.0-110	

L1891648-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891648-03 09/01/25 20:29 • (MS) R4267233-6 09/01/25 20:32 • (MSD) R4267233-7 09/01/25 20:33

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	2.50	0.0986	2.60	2.55	100	98.1	1	90.0-110			1.94	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4267387-1 09/02/25 08:24

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	0.0490	<u>U</u>	0.0490	0.200

Laboratory Control Sample (LCS)

(LCS) R4267387-2 09/02/25 08:27

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	3.16	105	80.0-120	

L1891708-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891708-08 09/02/25 08:29 • (MS) R4267387-4 09/02/25 08:34 • (MSD) R4267387-5 09/02/25 08:37

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	0.0490	2.67	2.61	89.2	87.1	1	75.0-125			2.30	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4267754-1 09/02/25 14:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Silver, Total Recoverable	2.80	⌈	2.80	5.00
Barium,Total Recoverable	1.70	⌈	1.70	5.00
Boron,Total Recoverable	12.6	⌈	12.6	200
Calcium, Total Recoverable	0.0463	⌈	0.0463	1.00
Cadmium, Total Recoverable	0.700	⌈	0.700	2.00
Chromium, Total Recoverable	1.40	⌈	1.40	10.0
Cobalt,Total Recoverable	2.30	⌈	2.30	10.0
Copper, Total Recoverable	5.30	⌈	5.30	10.0
Iron, Total Recoverable	14.1	⌈	14.1	100
Nickel, Total Recoverable	4.90	⌈	4.90	10.0
Lead, Total Recoverable	4.70	⌈	1.90	5.00
Lithium, Total Recoverable	5.30	⌈	5.30	15.0
Molybdenum, Total Recoverable	1.60	⌈	1.60	5.00
Sodium,Total Recoverable	0.0111	⌈	0.0111	1.00
Selenium, Total Recoverable	7.40	⌈	7.40	10.0

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R4267754-2 09/02/25 14:52

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	200	177	88.7	80.0-120	
Barium,Total Recoverable	1000	1030	103	80.0-120	
Boron,Total Recoverable	1000	949	94.9	80.0-120	
Calcium, Total Recoverable	10.0	9.83	98.3	80.0-120	
Cadmium, Total Recoverable	1000	906	90.6	80.0-120	
Chromium, Total Recoverable	1000	921	92.1	80.0-120	
Cobalt,Total Recoverable	1000	906	90.6	80.0-120	
Copper, Total Recoverable	1000	938	93.8	80.0-120	
Iron, Total Recoverable	10000	9910	99.1	80.0-120	
Nickel, Total Recoverable	1000	888	88.8	80.0-120	
Lead, Total Recoverable	1000	915	91.5	80.0-120	
Lithium, Total Recoverable	1000	963	96.3	80.0-120	
Molybdenum, Total Recoverable	1000	961	96.1	80.0-120	
Sodium,Total Recoverable	10.0	9.77	97.7	80.0-120	
Selenium, Total Recoverable	1000	846	84.6	80.0-120	

L1891912-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891912-01 09/02/25 14:54 • (MS) R4267754-4 09/02/25 14:57 • (MSD) R4267754-5 09/02/25 14:59

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	200	2.80	194	192	97.1	95.8	1	75.0-125			1.38	20
Barium,Total Recoverable	1000	27.8	1040	1030	101	100	1	75.0-125			0.879	20
Boron,Total Recoverable	1000	68.7	1030	1010	96.2	94.4	1	75.0-125			1.76	20
Calcium, Total Recoverable	10.0	28.1	37.1	37.0	90.5	88.8	1	75.0-125			0.456	20
Cadmium, Total Recoverable	1000	0.700	950	960	95.0	96.0	1	75.0-125			1.05	20
Chromium, Total Recoverable	1000	1.40	980	963	98.0	96.3	1	75.0-125			1.78	20
Cobalt,Total Recoverable	1000	2.30	970	956	97.0	95.6	1	75.0-125			1.46	20
Copper, Total Recoverable	1000	5.30	970	966	97.0	96.6	1	75.0-125			0.465	20
Iron, Total Recoverable	10000	130	10100	9930	99.5	98.0	1	75.0-125			1.52	20
Nickel, Total Recoverable	1000	4.90	961	943	96.1	94.3	1	75.0-125			1.89	20
Lead, Total Recoverable	1000	1.90	962	963	96.2	96.3	1	75.0-125			0.145	20
Lithium, Total Recoverable	1000	5.30	979	971	97.9	97.1	1	75.0-125			0.820	20
Molybdenum, Total Recoverable	1000	1.60	976	975	97.6	97.5	1	75.0-125			0.0491	20
Sodium,Total Recoverable	10.0	27.2	36.5	36.3	92.8	90.5	1	75.0-125			0.638	20
Selenium, Total Recoverable	1000	7.40	954	943	95.4	94.3	1	75.0-125			1.18	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4273102-1 09/14/25 17:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic, Total Recoverable	0.250	U	0.250	2.00
Beryllium, Total Recoverable	0.120	U	0.120	2.00
Antimony, Total Recoverable	0.754	U	0.754	2.00
Thallium, Total Recoverable	0.190	U	0.190	2.00
Vanadium, Total Recoverable	0.629	U	0.180	5.00
Zinc, Total Recoverable	2.56	U	2.56	25.0

Laboratory Control Sample (LCS)

(LCS) R4273102-2 09/14/25 17:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	50.0	49.0	98.0	80.0-120	
Beryllium, Total Recoverable	50.0	44.9	89.7	80.0-120	
Antimony, Total Recoverable	50.0	52.3	105	80.0-120	
Thallium, Total Recoverable	50.0	49.8	99.5	80.0-120	
Vanadium, Total Recoverable	50.0	49.8	99.7	80.0-120	
Zinc, Total Recoverable	50.0	49.1	98.2	80.0-120	

L1891708-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891708-01 09/14/25 17:49 • (MS) R4273102-4 09/14/25 17:52 • (MSD) R4273102-5 09/14/25 17:55

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	50.0	2.77	51.2	53.3	96.8	101	1	75.0-125			4.12	20
Beryllium, Total Recoverable	50.0	0.120	44.1	44.3	88.2	88.7	1	75.0-125			0.567	20
Antimony, Total Recoverable	50.0	0.754	53.3	53.0	105	105	1	75.0-125			0.431	20
Thallium, Total Recoverable	50.0	0.190	48.3	49.3	96.6	98.6	1	75.0-125			2.06	20
Vanadium, Total Recoverable	50.0	16.4	65.5	68.5	98.3	104	1	75.0-125			4.41	20
Zinc, Total Recoverable	50.0	74.0	121	127	94.7	105	1	75.0-125			4.33	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4265278-3 08/27/25 10:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	0.120	jc	0.120	0.500
1,1,1-Trichloroethane	0.0940	jc	0.0940	0.500
1,1,2,2-Tetrachloroethane	0.130	jc	0.130	0.500
1,1,2-Trichloroethane	0.0940	jc	0.0940	0.500
1,1-Dichloroethane	0.114	jc	0.114	0.500
1,1-Dichloroethene	0.188	jc	0.188	0.500
1,2,3-Trichloropropane	0.247	jc	0.247	2.50
1,2-Dibromo-3-Chloropropane	0.325	jc	0.325	2.50
1,2-Dichlorobenzene	0.101	jc	0.101	0.500
1,2-Dichloroethane	0.108	jc	0.108	0.500
1,2-Dichloropropane	0.190	jc	0.190	0.500
1,4-Dichlorobenzene	0.121	jc	0.121	0.500
2-Butanone (MEK)	1.28	jc	1.28	5.00
2-Hexanone	0.757	jc	0.757	5.00
4-Methyl-2-pentanone (MIBK)	0.823	jc	0.823	5.00
Acetone	3.62		1.05	25.0
Acrylonitrile	0.873	jc	0.873	5.00
Benzene	0.0896	jc	0.0896	0.500
Bromochloromethane	0.145	jc	0.145	0.500
Bromodichloromethane	0.0800	jc	0.0800	0.500
Bromoform	0.186	jc	0.186	0.500
Bromomethane	0.157	jc	0.157	2.50
Carbon disulfide	0.101	jc	0.101	0.500
Carbon tetrachloride	0.159	jc	0.159	0.500
Chlorobenzene	0.140	jc	0.140	0.500
Chloroethane	0.141	jc	0.141	2.50
Chloroform	0.0860	jc	0.0860	0.500
Chloromethane	0.153	jc	0.153	1.25
Dibromochloromethane	0.128	jc	0.128	0.500
Dibromomethane	0.117	jc	0.117	0.500
Ethylbenzene	0.158	jc	0.158	0.500
Iodomethane	0.563	jc	0.377	10.0
Methylene Chloride	1.07	jc	1.07	2.50
Styrene	0.117	jc	0.117	0.500
Tetrachloroethene	0.199	jc	0.199	0.500
Toluene	0.412	jc	0.412	0.500
Trichloroethene	0.153	jc	0.153	0.500
Trichlorofluoromethane	0.130	jc	0.130	2.50
Vinyl acetate	0.645	jc	0.645	5.00
Vinyl chloride	0.118	jc	0.118	0.500

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4265278-3 08/27/25 10:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Xylenes, Total	0.316	⚡	0.316	1.50
cis-1,2-Dichloroethene	0.0933	⚡	0.0933	0.500
cis-1,3-Dichloropropene	0.0976	⚡	0.0976	0.500
trans-1,2-Dichloroethene	0.152	⚡	0.152	0.500
trans-1,3-Dichloropropene	0.222	⚡	0.222	0.500
trans-1,4-Dichloro-2-butene	0.257	⚡	0.257	5.00
(S) 4-Bromofluorobenzene	95.2			77.0-126
(S) Toluene-d8	109			80.0-120
(S) 1,2-Dichloroethane-d4	88.4			70.0-130

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

(LCS) R4265278-1 08/27/25 09:30 • (LCSD) R4265278-2 08/27/25 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,1,1,2-Tetrachloroethane	25.0	25.7	25.9	103	104	75.0-125			0.775	20
1,1,1-Trichloroethane	25.0	24.9	24.6	99.6	98.4	73.0-124			1.21	20
1,1,2,2-Tetrachloroethane	25.0	19.6	20.3	78.4	81.2	65.0-130			3.51	20
1,1,2-Trichloroethane	25.0	23.4	23.6	93.6	94.4	80.0-120			0.851	20
1,1-Dichloroethane	25.0	24.2	23.9	96.8	95.6	70.0-126			1.25	20
1,1-Dichloroethene	25.0	24.7	24.3	98.8	97.2	71.0-124			1.63	20
1,2,3-Trichloropropane	25.0	19.5	20.0	78.0	80.0	73.0-130			2.53	20
1,2-Dibromo-3-Chloropropane	25.0	16.8	17.6	67.2	70.4	58.0-134			4.65	20
1,2-Dichlorobenzene	25.0	25.6	26.7	102	107	79.0-121			4.21	20
1,2-Dichloroethane	25.0	20.7	20.8	82.8	83.2	70.0-128			0.482	20
1,2-Dichloropropane	25.0	24.0	24.1	96.0	96.4	77.0-125			0.416	20
1,4-Dichlorobenzene	25.0	24.9	25.5	99.6	102	79.0-120			2.38	20
2-Butanone (MEK)	125	79.8	82.8	63.8	66.2	44.0-160			3.69	20
2-Hexanone	125	95.0	95.7	76.0	76.6	67.0-149			0.734	20
4-Methyl-2-pentanone (MIBK)	125	108	108	86.4	86.4	68.0-142			0.000	20
Acetone	125	83.4	82.5	66.7	66.0	19.0-160			1.08	27
Acrylonitrile	125	105	106	84.0	84.8	55.0-149			0.948	20
Benzene	25.0	23.6	23.6	94.4	94.4	70.0-123			0.000	20
Bromochloromethane	25.0	28.2	27.8	113	111	76.0-122			1.43	20
Bromodichloromethane	25.0	24.1	23.9	96.4	95.6	75.0-120			0.833	20
Bromoform	25.0	21.8	22.2	87.2	88.8	68.0-132			1.82	20
Bromomethane	25.0	33.9	33.8	136	135	10.0-160			0.295	25
Carbon disulfide	25.0	24.6	24.3	98.4	97.2	61.0-128			1.23	20
Carbon tetrachloride	25.0	27.8	27.9	111	112	68.0-126			0.359	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R4265278-1 08/27/25 09:30 • (LCSD) R4265278-2 08/27/25 09:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chlorobenzene	25.0	26.0	26.3	104	105	80.0-121			1.15	20
Chloroethane	25.0	27.1	26.7	108	107	47.0-150			1.49	20
Chloroform	25.0	20.6	21.0	82.4	84.0	73.0-120			1.92	20
Chloromethane	25.0	27.2	26.8	109	107	41.0-142			1.48	20
Dibromochloromethane	25.0	25.7	26.2	103	105	77.0-125			1.93	20
Dibromomethane	25.0	22.9	23.1	91.6	92.4	80.0-120			0.870	20
Ethylbenzene	25.0	25.6	25.7	102	103	79.0-123			0.390	20
Iodomethane	125	179	180	143	144	33.0-147			0.557	26
Methylene Chloride	25.0	24.3	24.5	97.2	98.0	67.0-120			0.820	20
Styrene	25.0	24.2	24.3	96.8	97.2	73.0-130			0.412	20
Tetrachloroethene	25.0	27.4	27.5	110	110	72.0-132			0.364	20
Toluene	25.0	24.9	24.9	99.6	99.6	79.0-120			0.000	20
Trichloroethene	25.0	27.3	27.5	109	110	78.0-124			0.730	20
Trichlorofluoromethane	25.0	27.6	27.5	110	110	59.0-147			0.363	20
Vinyl acetate	125	133	130	106	104	11.0-160	L	L	2.28	20
Vinyl chloride	25.0	24.0	23.5	96.0	94.0	67.0-131			2.11	20
Xylenes, Total	75.0	75.1	75.3	100	100	79.0-123			0.266	20
cis-1,2-Dichloroethene	25.0	24.4	23.4	97.6	93.6	73.0-120			4.18	20
cis-1,3-Dichloropropene	25.0	23.7	23.6	94.8	94.4	80.0-123			0.423	20
trans-1,2-Dichloroethene	25.0	23.9	23.6	95.6	94.4	73.0-120			1.26	20
trans-1,3-Dichloropropene	25.0	23.5	23.9	94.0	95.6	78.0-124			1.69	20
trans-1,4-Dichloro-2-butene	25.0	17.4	19.1	69.6	76.4	33.0-144			9.32	20
(S) 4-Bromofluorobenzene				91.6	92.1	77.0-126				
(S) Toluene-d8				102	102	80.0-120				
(S) 1,2-Dichloroethane-d4				92.2	92.1	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4265347-1 08/27/25 22:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100

L1891641-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1891641-03 08/27/25 23:13 • (DUP) R4265347-3 08/27/25 23:04

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	0.00247	0.00240	1	0.000	<u>U</u>	20

Laboratory Control Sample (LCS)

(LCS) R4265347-4 08/28/25 00:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylene Dibromide	0.250	0.222	88.8	60.0-140	

Laboratory Control Sample (LCS)

(LCS) R4265347-5 08/28/25 02:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylene Dibromide	0.250	0.222	88.8	60.0-140	

L1891641-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1891641-04 08/27/25 22:54 • (MS) R4265347-2 08/27/25 22:44

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.0993	0.00242	0.112	113	1	64.0-159	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

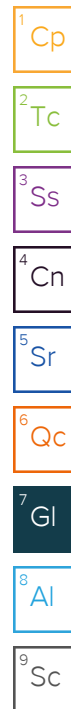
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	The value is outside laboratory established criteria.
L	Off-scale high. Actual value is known to be greater than value given.
Q	Sample held beyond the accepted holding time.
U	Indicates the compound was analyzed for but not detected above the method detection limit.
V	Indicates the analyte was detected in both the sample and method blank.



ACCREDITATIONS & LOCATIONS

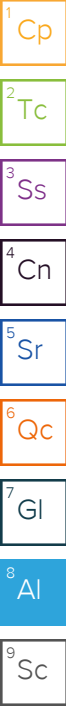
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

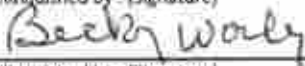
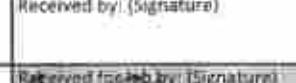
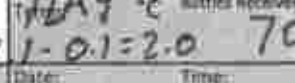
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia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

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

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

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



Company Name/Address North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980		Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745		Pres. Chk		Analysis / Container / Preservation										Chain of Custody Page <u> 1 </u> of <u> 2 </u>			
Report to: Liz Foeller 954-557-0581		Email To: efoeller@wm.com kguilbeault@integrityenvsol.														 MT JULIET, TN LDMS Station #2 Mount Juliet, TN 37122 Submitting a sample via this chain of custody requires the submission of a completed and signed copy of this form to the lab and a copy to the client. https://www.paceanalytical.com/chain-of-custody-form.pdf			
Project Description: North Manatee (NMRDF)-Semiannual Groundwater		City/State Collected: Duette, FL		Please Circle FT MT CL ET															
Regulatory Program(DOD, RCRA, DW, etc):		Client Project # 100		Lab Project # WMNORMANFL-00002															
Collected by (print): Danny Armour		Site/Facility ID # FL50		R.O. #															
Collected by (signature): 		Rush? (Lab MUST Be Notified) Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD SAT ☐		Quote #															
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed															
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	Entrs												
DW-15R	G	GW		8-22	0816	10	X	X	X	X	X	X	X	X	X	01			
DW-25R	G	GW		8-22	0927	10	X	X	X	X	X	X	X	X	X	02			
DW-35R	G	GW		8-22	1011	10	X	X	X	X	X	X	X	X	X	03			
DW-45R	G	GW		8-22	1049	10	X	X	X	X	X	X	X	X	X	04			
BW-15	G	GW		8-22	0805	10	X	X	X	X	X	X	X	X	X	05			
BW-25	G	GW		8-22	0730	10	X	X	X	X	X	X	X	X	X	06			
BW-35R		GW				10	X	X	X	X	X	X	X	X	X				
BW-45		GW				10	X	X	X	X	X	X	X	X	X				
BW-55		GW				10	X	X	X	X	X	X	X	X	X				
DW-55R	G	GW		8-22	1112	10		X	X	X	X	X	X	X	X	10			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other		Remarks: Nitrate = 48 hour holding time.		pH _____ Temp _____ Flow _____ Other _____															
Samples returned via: UPS ☐ FedEx ☐ Courier ☐		Tracking #		4580 6323 1657															
Relinquished by: (Signature) 		Date: 7/31/25		Time: 16:30		Received by: (Signature) 		Date: 7/31/25		Time: 16:30		Received by: (Signature) 		Date: 7/31/25		Time: 16:30			
Relinquished by: (Signature) 		Date: 8-22-25		Time: 1500		Received by: (Signature) 		Date: 8-23-25		Time: 0900		Received by: (Signature) 		Date: 8-23-25		Time: 0900			
Relinquished by: (Signature) 		Date:		Time:		Received by: (Signature) 		Date:		Time:		Received by: (Signature) 		Date:		Time:			

L# _____

Li Ruan ¹⁷ / Eli Dossett
Name

Date _____

Company Name/Address: North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980				Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745				Pres Chk		Analysis / Container / Preservative										Chain of Custody Page <u> 1 </u> of <u> 1 </u>							
										 MT JULIET, TN ©2000 American Bit Research Corp., Inc. 07/02 Submitting a sample on this form of custody constitutes agreement to the terms and conditions of the Pace Terms and Conditions found at: http://www.paceinc.com/hdfs/psa-market-07-02-00.pdf																	
Report to: Liz Foeller 954-557-0581				Email To: lfoeller@wm.com;kguilbeault@integrityenvsol.																							
Project Description: North Manatee (NMRDF)-Semiannual Groundwater				City/State Collected: DUNTE FL		Please Circle PT MT CT ☒																					
Regulatory Program(DOD, RCRA, DW, etc.):				Client Project # 100		Lab Project # WMNORMANFL-00002																					
Collected by (print): DANNY ARMOUR				Site/Facility ID # FL50		P.O. #																					
Collected by (signature): 				Rush? (Lab MUST Be Notified) Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT ☐		Quote #		Date Results Needed																			
Immediately Packed on Ice N ☐ Y ☒																											
Sample ID				Comp/Grain		Matrix *		Depth		Date		Time		Ents													
DW-15R						GW								10		X											
DW-25R						GW								10		X											
DW-35R						GW								10		X											
DW-45R						GW								10		X											
DW-15						GW								10		X											
DW-25						GW								10		X											
DW-35R				G		GW		8-21		1330				10		X										67	
DW-45				G		GW		8-21		1151				10		X										68	
DW-55				G		GW		8-21		1236				10		X										69	
DW-55R						GW								10		X											
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other				Remarks: Nitrate = 48 hour holding time.										pH _____ Temp _____ Flow _____ Other _____				Sample Receipt - Client/Analyst DOC Seal Present/Intact: ☒ Y ☐ N DOC Signed/Rechecked: ☒ Y ☐ N Bottle(s) Airtight/Intact: ☒ Y ☐ N Correct Bottle(s) Label: ☒ Y ☐ N Sufficient Volume sent: ☒ Y ☐ N If Applicable: VOA 2hrs Headspace: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N RAD Screen <0.5 MB/hr: ☒ Y ☐ N									
Relinquished by: (Signature) 				Date: 7/31/25		Time: 16:30		Received by: (Signature) 				Trip Blank Received: ☒ No HCL / MeqH lbs				Temp _____ Bottles Received: 30				PK - 10810611 INC - 5090493							
Relinquished by: (Signature) 				Date: 8-2-25		Time: 1600		Received by: (Signature) 				Date: 8-23-25				Time: 0900				Hold: _____ Condition: NCF / OK							

L# _____

Dayan6
Name

Date _____

L1891708 WMNORMANFL Add NO₂NO₃

R5

Add NO₂NO₃, matrix 1, to all samples collected 8/21. 8/21 samples were delayed and NITRATE will be analyzed OOH. Please add this card to the CoC.

Time estimate: oh

Time spent: oh

Members

SK Stacy Kennedy

SITE NAME:	NORTH MANATEE		SITE LOCATION:	DUETTE, FL	
WELL NO:	BW-45		SAMPLE ID:	DATE: 8.21.25	

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet):	4.89	PURGE PUMP TYPE OR BAILER:	BP
----------------------------	---	------------------------------	-----	--	----------------------------------	------	-------------------------------	----

129.46

124.53

$$= (15.00 \text{ feet} - 4.89 \text{ feet}) \times 0.163 \text{ gallons/foot} = 1.65 \text{ gallons}$$
$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

PURGED (gallons): 3.30

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLE ID CODE	# CONTAINERS	SAMPLE CONTAINER IDENTIFICATION		SAMPLE PRESERVATION (Preserving Wet Key)			INTERFERED ANALYSIS AND/OR METHOD	EQUIPMENT CODE	SAMPLE USE FLOW RATE (ml. per minute)
		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1	PE	1L	-	-	-	G-CHEM	BP	0.15
	1	PE	250 ml	HNO3	-	-	METALS	1	1
	1	PE	250 ml	H2SO4	-	-	NAG		
	3	AG	40 ml	HCl	-	-	BZ60B		
	3	CG	40 ml	Nitric	-	-	2011		
	2	PE	1L	HNO3	-	-	RAD		

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-55	SAMPLE ID:		DATE: 8.21.25

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet):	5.48	PURGE PUMP TYPE OR BAILER:	BP
WELL ELEVATION TOC (ft NGVD)				GROUNDWATER ELEVATION (ft NGVD)				
127.55				123.07				

(only fill out if applicable)

$$= (15.00 \text{ feet} - 5.48 \text{ feet}) \times 0.163 \text{ gallons/foot} = 1.55 \text{ gallons}$$

(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

FINAL PUMP OR TUBING

PURGING

PURGING	
---------	--

TOTAL VOLUME _____

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: J. A. [Signature] / [Affiliation]	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1236	SAMPLING ENDED AT: 22
--	---	-----------------------------	-----------------------

PUMP OR TUBING

TUBING

FILTERED: Y 

FILTER SIZE:

DEPTH IN WELL (feet): 11.00

MATERIAL CODE: T

Filtration Equipment Type:

TABLE 1. *Continued*

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced)

DUPLICATE:	Y	
------------	---	---

SAMPLE PRESERVATION (Including wet ice)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	ANALYSIS AND/OR METHOD	EQUIPMENT CODE	FLOW RATE (mL per minute)
	1	PE	1L	-	-	-	G-CHEM	BP	0.15
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	N43		
	3	AG	40 ml	HCl	-	-	8260B		
	3	CG	40 ml	Nutrient	-	-	8011		
	2	PE	1L	HNO3	-	-	800		

REMARKS:

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
 RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	BW-3SR	SAMPLE ID:	DATE: 8-21-25

PURGING DATA

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	3/8	WELL SCREEN INTERVAL DEPTH:	5 feet to 15 feet	STATIC DEPTH TO WATER (feet):	7.04	PURGE PUMP TYPE OR BAILER:	BP
WELL ELEVATION TOG (# NGVD)				GROUNDWATER ELEVATION (# NGVD)					
130.40				123.36					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY									
(only fill out if applicable)									
= 15.00 feet - 7.04 feet X 0.163 gallons/foot = 1.08 gallons									
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME									
(only fill out if applicable)									
= 0.3 gallons + (0.006 gallons/foot X 15.00 feet) + 0.05 gallons = 0.44 gallons									
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
11.00		11.00		1310		1330		3.00	

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.73" = 0.02; 1" = 0.04; 1.25" = 0.08; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.28
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0022; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; Q = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Drew Adams / AEC				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1330		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: Y		FIELD-FILTERED: Y ☒			FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ TUBING Y ☒ (replaced)							DUPLICATE: Y ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml. per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH				
	1	PE	1L	-	-	-	-	G-CHEN	BP	0.15
	1	PE	250 ml	HNO3	-	-	-	METALS	1	1
	1	PE	250 ml	H2SO4	-	-	-	NH3	1	1
	3	AG	40 ml	HCl	-	-	-	BZLOB	1	1
	3	CG	40 ml	Nathio	-	-	-	8011	1	1
	2	PE	1L	HNO3	-	-	-	Rad	1	1
REMARKS:										
Shen present YES ☒										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Sraw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	DW-SSR	SAMPLE ID:	DATE: 8-22-25

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	1/4	WELL SCREEN INTERVAL DEPTH: 5.4 feet to 5.4 feet	STATIC DEPTH TO WATER (feet):	9.04	PURGE PUMP TYPE OR BAILER:	BP
WELL ELEVATION TOC (ft NGVD)			NA		GROUNDWATER ELEVATION (ft NGVD)			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)								
$= (15.40 \text{ feet} - 9.04 \text{ feet}) \times 0.143 \text{ gallons/foot} = 1.04 \text{ gallons}$								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)								
$= 0.12 \text{ gallons} + (0.0026 \text{ gallons/foot} \times 15.40 \text{ feet}) + 0.05 \text{ gallons} = 0.30 \text{ gallons}$								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	14.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	14.00	PURGING INITIATED AT:	1122	PURGING ENDED AT:	1142	TOTAL VOLUME PURGED (gallons):
								2.60

[illegible]

SAMPLED BY (PRINT): /AFFILIATION: DANIEL ARMSTRONG / ACC				ANALYST'S SIGNATURE(S): 				SAMPLING INITIATED AT: 1143		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 14.00				TUBING MATERIAL CODE: Y				FIELD-FILTERED: Y		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y				TUBING Y (replaced)				DUPLICATE: Y			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH			SAMPLE PUMP FLOW RATE (ml per minute)		
	1	PE	1L	-	-	-	G-CHEM		BP	0.13	
	1	PE	250 ml	HNO3	-	-	METALS				
	1	PE	250 ml	H2SO4	-	-	NH3				
	3	AG	40 ml	HCl	-	-	B260B				
	3	CG	50 ml	NaOH	-	-	B211				
	2	PE	1L	HNO3	-	-	R202				

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO. DW-45R	SAMPLE ID:	DATE: 8-22-25	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DAVID ARMSTRONG / ACC				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 10/9/97		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 13.73				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ TUBING Y ☒ (replaced)								DUPLICATE: Y ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL. ADDED IN FIELD (mL)	FINAL pH					
	1	PE	1L	-	-	-	G-chem	BP	0.15		
	1	PE	250 mL	HNO3	-	-	Metals				
	1	PE	250 mL	H2SO4	-	-	NH3				
	3	AG	40 mL	HCl	-	-	BZ608				
	3	CG	40 mL	NatH2O	-	-	Soil				
	2	PE	1L	HNO3	-	-	Rad				
REMARKS:											
Shen present YES ☒ NO ☐											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDP = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Beller; BP = Bleeder Pump; ESP = Electric Submersible Pump; RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE	SITE LOCATION: DUETTE, FL
WELL NO: DW-2SR	SAMPLE ID: _____ DATE: 8-22-25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 14.5 feet	STATIC DEPTH TO WATER (feet): 8.17
WELL ELEVATION TOC (ft NGVD): 128.10		GROUNDWATER ELEVATION (ft NGVD): 119.93	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (14.56 feet - 8.17 feet) X 0.163 gallons/foot = _____ gallons			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 14.56 feet) + 0.05 gallons = 0.44 gallons			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.02	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.02	PURGING INITIATED AT: 0907	PURGING ENDED AT: 0927
			TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
0917	1.50	1.50	0.15	8.36	6.03	30.6	83	0.9	5.04	102		
0920	0.45	1.95	0.15	8.37	6.03	30.7	81	0.9	5.00	103		
0923	0.45	2.40	0.15	8.39	6.03	30.8	80	0.8	4.90	104		
0926	0.45	2.85	0.15	8.40	6.01	30.8	81	0.8	4.82	104	Yellow	Turb

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0025; 5/16" = 0.004; 3/8" = 0.005; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Armare / AEC				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT: 0927		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 13.02				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ☒ N ☐ TUBING Y ☒ N ☐ (replaced)				DUPLICATE: Y ☒ N ☐							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PE	1L	-	-	-	G-CHEM		BP		0.15
	1	PE	250 mL	HNO3	-	-	METALS		1		1
	1	PE	250 mL	H2SO4	-	-	NH3		1		1
	3	AG	40 mL	HCl	-	-	B260B		1		1
	3	CG	40 mL	NaOH	-	-	8011		1		1
	2	PE	1L	HNO3	-	-	RAD		1		1
REMARKS:											
Sheen present YES ☒ NO ☐											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	DW-15R	SAMPLE ID:	DATE: 8-22-25

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTHS: 5.6 feet to 5.5 feet	STATIC DEPTH TO WATER (feet): 8.39	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 128.17			GROUNDWATER ELEVATION (ft NGVD): 119.38	

EQUIPMENT VOLUME PURGE: $\pm$ EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOWCELL VOLUME
(only fill out if applicable)

$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.56 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	13.95	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	13.95	PURGING INITIATED AT:	0836	PURGING ENDED AT:	0846	TOTAL VOLUME PURGED (gallons):	3.00
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WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.08; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.014

PURGING EQUIPMENT CODES: B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: DANIEL ARONSON / ALL				SAMPLE(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0846		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 12.95				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced)								DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
	1		PE	12	-	-	-	Graben	BP	0.15	
	1		PE	250 ml	HNO3	-	-	METALS	1	1	
	1		PE	250 ml	H2SO4	-	-	N49	1	1	
	3		AG	40 ml	HCl	-	-	BZLOB	1	1	
	3		CG	40 ml	NaOH	-	-	SOIL	1	1	
	2		PE	12	HNO3	-	-	N49	1	1	

REMARKS:

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	BW-15	SAMPLE ID:	DATE: 8-22-25

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 4.47	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 126.40		GROUNDWATER ELEVATION (ft NGVD): 121.93		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (15.00 feet - 4.47 feet) X 0.163 gallons/foot = 1.72 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 15.00 feet) + 0.05 gallons = 0.44 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 0743	PURGING ENDED AT: 0805	TOTAL VOLUME PURGED (gallons): 3.30

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DANIEL ARMAN / ACC				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0805		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: Y				FIELD-FILTERED: Y ^(M)		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y ^(N)				TUBING Y ^(N) (replaced)				DUPLICATE: Y ^(N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH				SAMPLE PUMP FLOW RATE (ml per minute)
	1		PE	1L	-	-	-	G-chem	BP		0.15
	1		PE	250 ml	HNO3	-	-	METALS	1		1
	1		PE	250 ml	H2SO4	-	-	NH3	1		1
	3		AG	40 ml	HCl	-	-	BZ608			
	3		CG	40 ml	NaOH	-	-	8011			
	2		PE	1L	HNO3	-	-	RAD	1		

Sharon present YES ☒

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPF = Reverse Flow Peristaltic Pump; SM = Strain Method (Tubing Gravity Drain); O = Other (Specify)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212 SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MAWATEE	SITE LOCATION: DUETTE, FL
WELL NO: BW-25	SAMPLE NO: DATE: 8-22-75

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <i>DAVID ARMSTRONG / ALL</i>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: <i>0730</i>		SAMPLING ENDED AT: <i>NR</i>					
PUMP OR TUBING DEPTH IN WELL (feet): <i>11.00</i>			TUBING MATERIAL CODE: <i>T</i>			FIELD-FILTERED: <i>Y</i> <i>ND</i>		FILTER SIZE: _____ μ m					
FIELD DECONTAMINATION: PUMP <i>Y</i> <i>(N)</i>			TUBING <i>Y</i> <i>(N)</i> (replaced)			DUPLICATE: <i>Y</i> <i>(N)</i>							
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml. per minute)	
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml.)	FINAL pH						
	1		PE	1L	-	-	-	-	G-CHEN	BP		0.15	
	1		PE	250 ml	HNO3	-	-	-	METALS				
	1		PE	250 ml	H2SO4	-	-	-	N43				
	3		AG	40 ml	HCl	-	-	-	BZLOB				
	3		CG	40 ml	NaOH	-	-	-	8011				
	2		PE	1L	HNO3	-	-	-	800				
REMARKS:													
Sheen present YES <i>NO</i>													
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)													
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Beller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS2212, SECTION 5)

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $< 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUVETTE, FL	
WELL NO: LS-1	SAMPLE ID:	DATE: 8-22-20	

PURGING DATA

WELL DIAMETER (Inches). NA	TUBING DIAMETER (Inches): NA	WELL SCREEN INTERVAL DEPTH: — feet to — feet	STATIC DEPTH TO WATER (feet). NA	PURGE PUMP TYPE OR BAILER: NA
WELL ELEVATION TOC (# NGVD) NA		GROUNDWATER ELEVATION (# NGVD) NA		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH — STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet — feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: NA	PURGING ENDED AT: NA	TOTAL VOLUME PURGED (gallons). NA

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.35
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 4/8" = 0.0005; 3/4" = 0.0014; 1/4" = 0.0028; 5/8" = 0.004; 3/2" = 0.006; 1 1/2" = 0.010; 6/8" = 0.018

PURGING EQUIPMENT CODES: B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

[illegible]

REMARKS:

Shear present YES ☒ NO LS-1 = LEACHATE SAMPLE TAKEN FROM PORTION TANK

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; Y = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = Aler (Through) Portable Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPF = Reverse Flow Portable Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTE8: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $< 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU, optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

North Manatee (NMRDF)

Sample Delivery Group: L1891701
Samples Received: 08/23/2025
Project Number: 100
Description: North Manatee (NMRDF)-Semiannual Groundwater
FEB AUG
Site: FL50
Report To: Liz Foeller
25515 Old Landfill Road
Punta Gorda, FL 33980

Entire Report Reviewed By:



Stacy Kennedy
Project Manager

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

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

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
DW-2SR L1891701-01	6
DW-3SR L1891701-02	7
DW-4SR L1891701-03	8
BW-1S L1891701-04	9
BW-2S L1891701-05	10
BW-3SR L1891701-06	11
BW-4S L1891701-07	12
BW-5S L1891701-08	13
DW-1SR L1891701-09	14
Qc: Quality Control Summary	15
Radiochemistry by Method 903.0/9315	15
Radiochemistry by Method 904/9320	16
Gl: Glossary of Terms	19
Al: Accreditations & Locations	20
Sc: Sample Chain of Custody	21

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

SAMPLE SUMMARY

DW-2SR L1891701-01

				Collected by Danny Armour	Collected date/time 08/22/25 09:27	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 20:55	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN

DW-3SR L1891701-02

				Collected by Danny Armour	Collected date/time 08/22/25 10:11	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 20:55	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN

DW-4SR L1891701-03

				Collected by Danny Armour	Collected date/time 08/22/25 10:49	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 21:56	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN

BW-1S L1891701-04

				Collected by Danny Armour	Collected date/time 08/22/25 08:05	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 21:56	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN

BW-2S L1891701-05

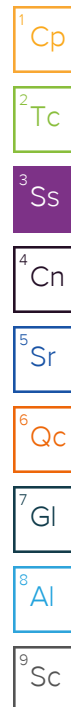
				Collected by Danny Armour	Collected date/time 08/22/25 07:30	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 21:56	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2591689	1	08/31/25 11:21	09/07/25 22:22	DDD	Mt. Juliet, TN

BW-3SR L1891701-06

				Collected by Danny Armour	Collected date/time 08/21/25 13:30	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 21:56	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2592385	1	09/02/25 11:51	09/08/25 12:36	DDD	Mt. Juliet, TN

BW-4S L1891701-07

				Collected by Danny Armour	Collected date/time 08/21/25 11:51	Received date/time 08/23/25 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/12/25 23:49	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2592385	1	09/02/25 11:51	09/08/25 12:36	DDD	Mt. Juliet, TN



SAMPLE SUMMARY

BW-5S L1891701-08

Collected by
Danny Armour

Collected date/time
08/21/25 12:36

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 22:56	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2592385	1	09/02/25 11:51	09/08/25 12:36	DDD	Mt. Juliet, TN

DW-1SR L1891701-09

Collected by
Danny Armour

Collected date/time
08/22/25 08:46

Received date/time
08/23/25 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method 903.0/9315	WG2588819	1	08/27/25 11:02	09/02/25 22:56	ASN	Mt. Juliet, TN
Radiochemistry by Method 904/9320	WG2593032	1	09/03/25 06:28	09/16/25 13:59	DDD	Mt. Juliet, TN

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

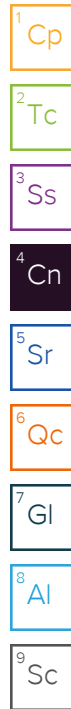
⁹Sc

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All radiochemical sample results for solids are reported on a dry weight basis with the exception of tritium, carbon-14 and radon, unless wet weight was requested by the client. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Stacy Kennedy
Project Manager



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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	119.93	ft
pH (On Site)	6.01	su
Temperature (on-site)	30.8	Deg. C
Specific Conductance (on site)	81	umhos/cm
Dissolved Oxygen (on-site)	.8	mg/l
Turbidity (on-site)	4.82	NTU
eH/ORP (On Site)	104	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.105	<u>U</u>	0.145	0.284	0.250	0.0863	09/02/2025 20:55	WG2588819
(T) Barium	97.3					30.0-143	09/02/2025 20:55	WG2588819

⁶Qc

⁷Gl

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.628	<u>J</u>	0.404	0.441	0.651	0.197	09/07/2025 22:22	WG2591689
(T) Barium	126					30.0-143	09/07/2025 22:22	WG2591689
(T) Yttrium	97.3					30.0-136	09/07/2025 22:22	WG2591689

⁸Al

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	119.57	ft
pH (On Site)	5.63	su
Temperature (on-site)	30.9	Deg. C
Specific Conductance (on site)	293	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	4.5	NTU
eH/ORP (On Site)	141	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.384		0.219	0.356	0.245	0.0844	09/02/2025 20:55	WG2588819
(T) Barium	99.1					30.0-143	09/02/2025 20:55	WG2588819

⁶Qc

⁷Gl

⁸Al

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.823		0.394	0.436	0.614	0.186	09/07/2025 22:22	WG2591689
(T) Barium	116					30.0-143	09/07/2025 22:22	WG2591689
(T) Yttrium	99.9					30.0-136	09/07/2025 22:22	WG2591689

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	120.61	ft
pH (On Site)	6.04	su
Temperature (on-site)	31.1	Deg. C
Specific Conductance (on site)	183	umhos/cm
Dissolved Oxygen (on-site)	.8	mg/l
Turbidity (on-site)	4.64	NTU
eH/ORP (On Site)	57	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	1.60		0.428	0.566	0.345	0.134	09/02/2025 21:56	WG2588819
(T) Barium	97.9					30.0-143	09/02/2025 21:56	WG2588819

⁶Qc

⁷Gl

⁸Al

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.45		0.430	0.486	0.611	0.184	09/07/2025 22:22	WG2591689
(T) Barium	116					30.0-143	09/07/2025 22:22	WG2591689
(T) Yttrium	93.6					30.0-136	09/07/2025 22:22	WG2591689

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	121.93	ft
pH (On Site)	5.5	su
Temperature (on-site)	27.1	Deg. C
Specific Conductance (on site)	256	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	4.31	NTU
eH/ORP (On Site)	-8	mV

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.827		0.304	0.442	0.248	0.0853	09/02/2025 21:56	WG2588819
(T) Barium	98.6					30.0-143	09/02/2025 21:56	WG2588819

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.883		0.397	0.441	0.612	0.185	09/07/2025 22:22	WG2591689
(T) Barium	125					30.0-143	09/07/2025 22:22	WG2591689
(T) Yttrium	103					30.0-136	09/07/2025 22:22	WG2591689

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	122.21	ft
pH (On Site)	5.79	su
Temperature (on-site)	26.9	Deg. C
Specific Conductance (on site)	171	umhos/cm
Dissolved Oxygen (on-site)	.4	mg/l
Turbidity (on-site)	2.77	NTU
eH/ORP (On Site)	-17	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.762		0.296	0.435	0.252	0.0867	09/02/2025 21:56	WG2588819
(T) Barium	96.5					30.0-143	09/02/2025 21:56	WG2588819

⁶Qc

⁷Gl

⁸Al

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.700	J	0.478	0.518	0.781	0.239	09/07/2025 22:22	WG2591689
(T) Barium	118					30.0-143	09/07/2025 22:22	WG2591689
(T) Yttrium	107					30.0-136	09/07/2025 22:22	WG2591689

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	123.36	ft
pH (On Site)	5.59	su
Temperature (on-site)	30	Deg. C
Specific Conductance (on site)	264	umhos/cm
Dissolved Oxygen (on-site)	.5	mg/l
Turbidity (on-site)	1.65	NTU
eH/ORP (On Site)	16	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.849		0.312	0.452	0.254	0.0876	09/02/2025 21:56	WG2588819
(T) Barium	95.3					30.0-143	09/02/2025 21:56	WG2588819

⁶Qc

⁷Gl

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	1.29		0.556	0.605	0.856	0.270	09/08/2025 12:36	WG2592385
(T) Barium	101					30.0-143	09/08/2025 12:36	WG2592385
(T) Yttrium	91.5					30.0-136	09/08/2025 12:36	WG2592385

⁸Al

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	124.57	ft
pH (On Site)	4.83	su
Temperature (on-site)	29.3	Deg. C
Specific Conductance (on site)	293	umhos/cm
Dissolved Oxygen (on-site)	.7	mg/l
Turbidity (on-site)	2.7	NTU
eH/ORP (On Site)	83	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	12.3		0.967	1.11	0.188	0.0648	09/12/2025 23:49	WG2588819
(T) Barium	97.8					30.0-143	09/12/2025 23:49	WG2588819

⁶Qc

⁷Gl

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	6.11		0.828	0.944	0.928	0.292	09/08/2025 12:36	WG2592385
(T) Barium	102					30.0-143	09/08/2025 12:36	WG2592385
(T) Yttrium	86.7					30.0-136	09/08/2025 12:36	WG2592385

⁸Al

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	122.07	ft
pH (On Site)	5.98	su
Temperature (on-site)	29.1	Deg. C
Specific Conductance (on site)	125	umhos/cm
Dissolved Oxygen (on-site)	.9	mg/l
Turbidity (on-site)	4.63	NTU
eH/ORP (On Site)	105	mV

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.577		0.262	0.402	0.251	0.0865	09/02/2025 22:56	WG2588819
(T) Barium	96.9					30.0-143	09/02/2025 22:56	WG2588819

⁶Qc

⁷Gl

⁸Al

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	-0.566	<u>U</u>	0.627	0.662	1.16	0.368	09/08/2025 12:36	WG2592385
(T) Barium	94.4					30.0-143	09/08/2025 12:36	WG2592385
(T) Yttrium	88.9					30.0-136	09/08/2025 12:36	WG2592385

⁹Sc

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

	Result	Units
Analyte		
Sampling Method	BP	
Groundwater Elevation	119.78	ft
pH (On Site)	5.54	su
Temperature (on-site)	29.9	Deg. C
Specific Conductance (on site)	82	umhos/cm
Dissolved Oxygen (on-site)	1.6	mg/l
Turbidity (on-site)	4.63	NTU
eH/ORP (On Site)	107	mV

Radiochemistry by Method 903.0/9315

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
Radium-226	0.0267	U	0.117	0.258	0.255	0.0880	09/02/2025 22:56	WG2588819
(T) Barium	94.9					30.0-143	09/02/2025 22:56	WG2588819

Radiochemistry by Method 904/9320

	Result	Qualifier	2 sigma CE	TPU	MDA	Lc	Analysis Date	Batch
Analyte	pCi/l		+ / -	+ / -	pCi/l	pCi/l	date / time	
RADIUM-228	0.472	J	0.538	0.569	0.904	0.291	09/16/2025 13:59	WG2593032
(T) Barium	130					30.0-143	09/16/2025 13:59	WG2593032
(T) Yttrium	82.8					30.0-136	09/16/2025 13:59	WG2593032

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4267918-1 09/02/25 19:55

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-226	0.0526	U	0.0729	0.126	
(T) Barium	97.5		97.5		

L1892188-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1892188-04 09/02/25 23:56 • (DUP) R4267918-5 09/02/25 20:55

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-226	0.154	0.317	0.490	0.169	0.307	0.317	0.490		66.3	0.431	J	20	3
(T) Barium	98.3				100	100							

Laboratory Control Sample (LCS)

(LCS) R4267918-2 09/02/25 19:55

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-226	5.00	4.77	95.3	80.0-120	
(T) Barium			98.8		

L1892188-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1892188-01 09/02/25 22:56 • (MS) R4267918-3 09/02/25 19:55 • (MSD) R4267918-4 09/02/25 20:55

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-226	20.0	0.0801	19.9	23.1	99.1	115	1	75.0-125			15.0		20
(T) Barium		94.4			98.1	98.2							

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R4270797-1 09/07/25 22:22

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	0.459	⬇	0.316	0.515	0.157
(T) Barium	108		108		
(T) Yttrium	95.0		95.0		

L1891685-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1891685-02 09/07/25 22:22 • (DUP) R4270797-4 09/07/25 22:22

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.897	0.525	0.848	0.260	1.47	0.726	1.16	0.355	48.3	0.637		20	3
(T) Barium	119				125	125							
(T) Yttrium	88.3				102	102							

Laboratory Control Sample (LCS)

(LCS) R4270797-2 09/07/25 22:22

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.45	109	80.0-120	
(T) Barium			106		
(T) Yttrium			100		

L1893913-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1893913-03 09/07/25 22:22 • (MS) R4270797-5 09/07/25 23:12 • (MSD) R4270797-3 09/07/25 22:22

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	0.758	10.4	12.0	96.4	112	1	70.0-130			14.3		20
(T) Barium		122			125	125							
(T) Yttrium		102			102	95.7							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4270962-1 09/08/25 12:36

Analyte	MB Result pCi/l	MB Qualifier	MB 2 sigma CE + / -	MB MDA pCi/l	MB Lc pCi/l
Radium-228	-0.0633	U	0.287	0.514	0.163
(T) Barium	107		107		
(T) Yttrium	87.2		87.2		

L1894080-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1894080-21 09/08/25 12:36 • (DUP) R4270962-5 09/08/25 12:36

Analyte	Original Result pCi/l	Original 2 sigma CE + / -	Original MDA pCi/l	Original Lc pCi/l	DUP Result pCi/l	DUP 2 sigma CE + / -	DUP MDA pCi/l	DUP Lc pCi/l	DUP RPD %	DUP RER	DUP Qualifier	DUP RPD Limits %	DUP RER Limit
Radium-228	0.201	0.688	1.19	0.379	0.448	0.583	0.986	0.312	75.9	0.273	J	20	3
(T) Barium	110				109	109							
(T) Yttrium	87.1				86.5	86.5							

Laboratory Control Sample (LCS)

(LCS) R4270962-2 09/08/25 12:36

Analyte	Spike Amount pCi/l	LCS Result pCi/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Radium-228	5.00	5.25	105	80.0-120	
(T) Barium			103		
(T) Yttrium			88.0		

L1894074-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1894074-17 09/08/25 12:36 • (MS) R4270962-3 09/08/25 12:36 • (MSD) R4270962-4 09/08/25 12:36

Analyte	Spike Amount pCi/l	Original Result pCi/l	MS Result pCi/l	MSD Result pCi/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	MS RER	RPD Limits %
Radium-228	10.0	-0.0404	10.3	11.3	103	113	1	70.0-130			9.34		20
(T) Barium		98.8			105	91.0							
(T) Yttrium		91.6			93.5	90.7							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4274226-1 09/16/25 13:59

	MB Result	MB Qualifier	MB 2 sigma CE	MB MDA	MB Lc
Analyte	pCi/l		+ / -	pCi/l	pCi/l
Radium-228	-0.118	<u>U</u>	0.285	0.512	0.167
(T) Barium	106		106		
(T) Yttrium	108		108		

L1893157-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1893157-02 09/16/25 13:59 • (DUP) R4274226-5 09/16/25 13:59

	Original Result	Original 2 sigma CE	Original MDA	Original Lc	DUP Result	DUP 2 sigma CE	DUP MDA	DUP Lc	DUP RPD	DUP RER	DUP Qualifier	DUP RPD Limits	DUP RER Limit
Analyte	pCi/l	+ / -	pCi/l	pCi/l	pCi/l	+ / -	pCi/l	pCi/l	%			%	
Radium-228	2.11	0.559	0.772	0.248	2.08	0.536	0.746	0.241	1.43	0.0387		20	3
(T) Barium	115				119	119							
(T) Yttrium	97.4				102	102							

Laboratory Control Sample (LCS)

(LCS) R4274226-2 09/16/25 13:59

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	pCi/l	pCi/l	%	%	
Radium-228	5.00	5.47	109	80.0-120	
(T) Barium			102		
(T) Yttrium			92.3		

L1891721-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1891721-23 09/16/25 13:59 • (MS) R4274226-3 09/16/25 13:59 • (MSD) R4274226-4 09/16/25 13:59

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	MS RER	RPD Limits
Analyte	pCi/l	pCi/l	pCi/l	pCi/l	%	%		%			%		%
Radium-228	10.0	1.27	9.81	11.4	85.4	101	1	70.0-130			14.8		20
(T) Barium		94.8			108	103							
(T) Yttrium		109			104	94.9							

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

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

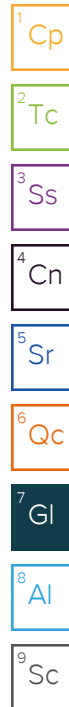
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

MDA	Minimum Detectable Activity.
Rec.	Recovery.
RER	Replicate Error Ratio.
TPU	Total Propagated Uncertainty reported at 2 sigma (counting error plus all measurable variables).
Lc	Decision Level or Critical Level. DOE required Detection limit at a 68% confidence level.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(T)	Tracer - A radioisotope of known concentration added to a solution of chemically equivalent radioisotopes at a known concentration to assist in monitoring the yield of the chemical separation.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
U (Radiochemistry)	Result + Error < MDA.
J (Radiochemistry)	Result < MDA; Result + Error > MDA.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
U	Below Detectable Limits: Indicates that the analyte was not detected.



ACCREDITATIONS & LOCATIONS

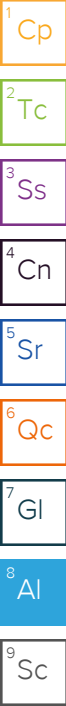
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

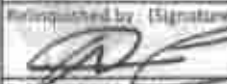
Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia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

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

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

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



Company Name/Address: North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980			Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745			Project Description: North Manatee (NMRDF)-Semiannual Groundwater			City/State: Collected: Duette FL			Please Circle: RT MT CYO											
Report to: Liz Foeller 954-557-0581			Email To: lfoeller@wm.com; lguilbeault@integrityenviro.com			RA-228-303.0 IL-HDPE-Add HNO3 RA-228 IL-HDPE-Add HNO3 RA-228 IL-HDPE-Add HNO3																	
Regulatory Program (DOD, RCRA, DWA, etc):			Client Project # 100												Lab Project # WMNORMANFL-RAD								
Collected by (print): DANNY ARMOUR			Site/Facility ID # FL50												P.O. #								
Collected by (Signature): 			Rush? (Lab MUST be notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 15 Day (Rad Only) ☐ Three Day ☐ STD TAT												Quote #								
Immediately Packed on Ice: ☒			Date Results Needed			No. of																	
Sample ID:			Comp/Grab:			Matrix *									Depth			Date			Time		
GW-11R			G			NPW									8-22			0846					
GW-23R			G			NPW									8-22			0927					
GW-31R			G			NPW			8-22			1011											
GW-43R			G			NPW			8-22			1049											
BW-15			G			NPW			8-22			0805											
BW-25			G			NPW			8-22			0730											
BW-11R			NPW			NPW			2			X X											
BW-45			NPW			NPW			2			X X											
BW-55			NPW			NPW			2			X X											
* Matrix:			SS - Soil AIR - Air F - Filter GW - Groundwater B - Biosay WW - Wastewater DW - Drinking Water OT - Other			Remarks:			pH _____ Temp _____ Flow _____ Other _____			Sample Receipt Checklist 100% Data Entered/Checked: ☒ SOC signed/checked: ☒ Bottom water intact: ☒ Correct bottles used: ☒ Sufficient volume used: ☒ 100% Seal Headspace: ☒ Preservation correct (checked): ☒ 100% Screen + 0.5 micron: ☒											
Relinquished by (Signature): 			Date: 8-22-25			Time: 1500			Received by (Signature):			Trip Blank Required: Yes ☒ No ☐											
Relinquished by (Signature):			Date:			Time:			Received by (Signature):			Temp: _____ Acid Blank Required: Yes ☒ No ☐											
Relinquished by (Signature):			Date:			Time:			Received by (Signature): Deyan G			Date: 8-23-25			Time: 0900								
Relinquished by (Signature):			Date:			Time:			Received by (Signature):			Date:			Time:								



MT JULIEY, TN

12501 Highway 68, Mount Juliet, TN 37122
 Submitting samples via this chain of custody certifies acknowledgment and acceptance of the data listed and conditions listed on this form. This acknowledgment is subject to the terms and conditions of the contract.

Form # **LF91701**

B043

Account: WMNORMANFL

Template: T180398

Project: P1167142

Est: 816 - Stacy Kennedy

FS:

Shipped Via: FedEX Ground

Remarks: Sample # 8-22-25

8-22-25
 0846
 0927
 1011
 1049
 0805
 0730

100% Data Entered/Checked: ☒
 SOC signed/checked: ☒
 Bottom water intact: ☒
 Correct bottles used: ☒
 Sufficient volume used: ☒
 100% Seal Headspace: ☒
 Preservation correct (checked): ☒
 100% Screen + 0.5 micron: ☒

Condition: ☒ OK

Company Name/Address: North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980		Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745		Print CNA		Analysis / Container / Preservation										Chain of Custody Page <u> 1 </u> of <u> 1 </u>  MT JULIET, TN (2005) Uniform Air Shipment, 7th Edition Following a sample collection, the following instructions apply to the handling, packaging, labeling and shipment of the sample. Please read and follow these instructions carefully. https://www.pace.com/technical-support					
Report to: Liz Foeller 954-557-0581		Email To: efoeller@wm.com; iguilbeault@integritymcsol.com		Please Check ☒ FT ☐ MT ☐ CT																	
Project Description: North Manatee (NMRDF)-Semiannual Groundwater		City/State Collected: Duette FL		Lab Project # WMNORMANFL-RAD																	
Regulatory Program (DOQ, RCRA, CWA, etc.):		Client Project # 100		Site/Facility ID # FL50																	
Collected by (print): DAWAY ARMOUR		Collected by (signature): 		Quote #																	
Immediate Packed on Ice: N ☐ Y ☒		Rush? (Lab MUST Be Notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day ☐ STD TAT		Date Results Needed		No. of Cntrs		RA-225-503.0 1L-HDPE-Add-HNO3 RA-228 1L-HDPE-Add-HNO3 RA-228 1L-HDPE-Add-HNO3													
Sample ID		Comp/Grabs		Matrix *		Depth												Date		Time	
BW-23R		NPW		2		X												X			
CW-23R		NPW		2		X												X			
DW-23R		NPW		2		X		X													
DW-45R		NPW		2		X		X													
BW-25		NPW		2		X		X													
BW-25		NPW		2		X		X													
BW-33R		G NPW		B-21 1330		2		X		X											
BW-45		G NPW		8-21 1157		2		X		X											
BW-55		G NPW		8-21 1236		2		X		X											
NPW		NPW		2		X		X													
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Biossary WW - Waste Water DW - Drinking Water OT - Other		Remarks: pH _____ Temp _____ Flow _____ Other _____ Samples returned via: ☐ UPS ☐ FedEx ☐ Courier										Sample Receipt Checklist DOQ Seal Present/Intact: ☒ Y ☐ N DOQ Signed/Sealed: ☒ Y ☐ N Bottles Airtight/Intact: ☒ Y ☐ N Cap/Seal/Label Intact: ☒ Y ☐ N Corrosion/Leakage: ☒ Y ☐ N 21 Available DOQ Seal Rechecked: ☒ Y ☐ N Preservation Correct/Checked: ☒ Y ☐ N All Labels OK: ☒ Y ☐ N									
Relinquished by (Signature): Becky Worley		Date: 7/31/25		Time: 17:00		Received by (Signature): 		Temp Blank Received: Yes ☒ No ☐ HCL / Mask ☐ TBH		Temp: _____ °C Bottle Filled: 16		# preservation required by logs: _____ Date/Time: _____									
Relinquished by (Signature): 		Date: 8-21-25		Time: 1600		Received by (Signature): Jayant		Date: 8-23-25		Time: 0900		Notes:									
Relinquished by (Signature):		Date:		Time:		Received by (Signature):		Date:		Time:		Notes:									

L# 1591701

Name Danyon

8-23-25

Date _____

Company Name/Address North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980		Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745		Prep Chk		Analysis / Container / Preservation										Chain of Custody Page 1 of 1					
Report to: Liz Foeller 954-537-0581		Email To: efoeller@wm.com; kgilbeault@integrityenvsol														 MT JULIET, TN 2005 Laboratory Accredited by NIST Submitting a sample by this form of custody represents acknowledgment and acceptance of the Pace Environmental Laboratory's role as an Agent of the State of Tennessee for the purpose of testing only.					
Project Description: North Manatee (NMRDF)-Semiannual Groundwater		City/State Collected: Dunedin FL		Phase Circle PT MT CT CT												SPC # 1891701 Table # Account WMNORMANFL Temp # T180395 Pretest # P1167142 PM E18 - Stacy Kennedy # BW 2/31 Shipped via FedEX Ground					
Regulatory Program(DOD, RCRA, DWW, etc):		Client Project # 100		Lab Project # WMNORMANFL-RAD																	
Collected by (print): Dawn Armour		Site/Facility ID # FL50		P.O. #																	
Collected by (Signature): 		Rush? (Lab MUST be notified) ☐ Same Day ☐ Five Day ☐ Next Day ☐ 5 Day (Fast Only) ☐ Test Day ☐ 10 Day (Fast Only) ☐ Three Day ☐ STD TAT		Quote #																	
Immediately Packed on ice: Y X				Date Results Needed																	
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		Cats									
DW-15R				NPW								2		X X							
DW-25R				NPW								2		X X							
DW-35R				NPW								2		X X							
DW-45R				NPW								2		X X							
WW-15				NPW								2		X X							
WW-25				NPW								2		X X							
WW-35R		6		NPW		8-21		1330				2		X X							
WW-45		6		NPW		8-21		1157				2		X X							
WW-55		6		NPW		8-21		1236				2		X X							
				NPW								2		X X							
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Biosay WW - Waste Water DW - Drinking Water OT - Other		Remarks:		pH _____ Temp _____ Flow _____ Other _____												Sample Receipt Checklist Coc. Bags Present/Intact: ☒ Coc. Bags Sealed/Intact: ☒ Bubbles visible/Intact: ☒ Correct bottle used: ☒ Sufficient volume sent: ☒ If applicable: vial caps washed: ☒ Rinse water correct/checked: ☒ All screens > 0.5 micron: ☒					
Relinquished by: (Signature) 		Date: 7/31/25		Time: 17:00		Received by: (Signature) 		Trip Blank Received: Yes/No Yes													
Relinquished by: (Signature) 		Date: 8-21-25		Time: 1600		Received by: (Signature) 		Temp: °C Bottle Room: 16												If preservation required by Log: Date/Time	
Relinquished by: (Signature)		Date:		Time:		Received for Lab by: (Signature)		Date: Time:												Cold: (Condition: NCE) OK	

LE 1K691701

Danyan
Name

Date _____

SITE NAME:	NORTH MANATEE		SITE LOCATION:	DUETTE, FL	
WELL NO:	BW-45		SAMPLE ID:	DATE: 8.21.25	

WELL DIAMETER (inches):	2	TUBING DIAMETER (inches):	3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet):	4.89	PURGE PUMP TYPE OR BAILER:	BP
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129.46

124.53

$$= (15.00 \text{ feet} - 4.89 \text{ feet}) \times 0.163 \text{ gallons/foot} = 1.65 \text{ gallons}$$
$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

TOTAL VOLUME
PURGED (gallons): 3.30

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.66; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0025; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

LD CODE	CONTAINER	NAME	USED	ADDED IN FIELD (mg)	PH				
	1	PE	1L	-	-	-	G-CHEN	BP	0.15
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	N43		
	3	AG	40 ml	HCl	-	-	BZ60B		
	3	CG	40 ml	Nitric	-	-	2011		
	2	PE	1L	HNO3	-	-	KAD		

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO: BW-55	SAMPLE ID:		DATE: 8.21.25

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 5.48	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD) 127.55		GROUNDWATER ELEVATION (ft NGVD) 123.07		

(only fill out if applicable)

$$= (15.00 \text{ feet} - 5.48 \text{ feet}) \times 0.163 \text{ gallons/foot} = 1.55 \text{ gallons}$$

(only fill out if applicable)

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.00 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

FINAL PUMP OR TUBING

PURGING

PURGING	
---------	--

TOTAL VOLUME 4 1/2

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: J. A. [Signature] / [Affiliation]	SAMPLER(S) SIGNATURE(S): [Signature]	SAMPLING INITIATED AT: 1236	SAMPLING ENDED AT: 22
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PUMP OR TUBING	1
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TUBING

FILTERED: Y ☒ N

FILTER SIZE: _____

DEPTH IN WELL (feet): 11.00

MATERIAL CODE: 7

Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced)

DUPLICATE: Y 

SAMPLE PRESERVATION (Including wet ice)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	ANALYSIS AND/OR METHOD	EQUIPMENT CODE	FLOW RATE (mL per minute)
	1	PE	1L	-	-	-	G-CHEM	BP	0.15
	1	PE	250 ml	HNO3	-	-	METALS		
	1	PE	250 ml	H2SO4	-	-	N43		
	3	AG	40 ml	HCl	-	-	8260B		
	3	CG	40 ml	NatHCl	-	-	8011		
	2	PE	1L	HNO3	-	-	800		

REMARKS:

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
 RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	BW-3SR	SAMPLE ID:	DATE: 8-21-25

PURGING DATA

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	3/8	WELL SCREEN INTERVAL DEPTH:	5 feet to 15 feet	STATIC DEPTH TO WATER (feet):	7.04	PURGE PUMP TYPE OR BAILER:	BP
WELL ELEVATION TOG (# NGVD)				GROUNDWATER ELEVATION (# NGVD)					
130.40				123.36					
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY									
(only fill out if applicable)									
= 15.00 feet - 7.04 feet X 0.163 gallons/foot = 1.08 gallons									
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME									
(only fill out if applicable)									
= 0.3 gallons + (0.006 gallons/foot X 15.00 feet) + 0.05 gallons = 0.44 gallons									
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):	
11.00		11.00		1310		1330		3.00	

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.08; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.28
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0005; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; Q = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Adams / ACE				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 1330		SAMPLING ENDED AT: NR		
PUMP OR TUBING DEPTH IN WELL (feet): 11.00				TUBING MATERIAL CODE: Y		FIELD-FILTERED: Y ☒ Filtration Equipment Type: ☒			FILTER SIZE: _____ µm			
FIELD DECONTAMINATION: PUMP Y ☒ TUBING Y ☒ (replaced)						DUPLICATE: Y ☒						
SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml. per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH						
	1	PE	1L	-	-	-	G-CHROM		BP		0.15	
	1	PE	250 ml	HNO3	-	-	METALS					
	1	PE	250 ml	H2SO4	-	-	N43					
	3	AG	40 ml	HCl	-	-	BZLOB					
	3	CG	40 ml	Nathio	-	-	S011					
	2	PE	1L	HNO3	-	-	RAD					
REMARKS:												
Sheen present YES ☒ NO ☐												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	DW-SSR	SAMPLE ID:	DATE: 8-22-25

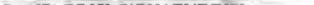
PURGING DATA

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	1/4	WELL SCREEN INTERVAL DEPTH: 5.4 feet to 5.4 feet	STATIC DEPTH TO WATER (feet):	9.04	PURGE PUMP TYPE OR BAILER:	BP
WELL ELEVATION TOC (A NGVD)				GROUNDWATER ELEVATION (A NGVD)				
NA				NA				
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)								
= (15.40 feet - 9.04 feet) X 0.143 gallons/foot = 1.04 gallons								
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)								
= 0.2 gallons + (0.0026 gallons/foot X 15.40 feet) + 0.05 gallons = 0.30 gallons								
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):
14.00		14.00		1122		1142		2.60

[illegible]

WELL CA CITY () no r F 1.7" = 1.1" 1" = 4; 1.2" = 1.0" 2" = 1; 3" = .37; 4" = 1.5" 5" = 1.1" 6" = 1.7; 12" = 5.0
 TUBING INSIDE DIA. CAP CITY 1 1/2" = 1.315" 3/16" = .1875" 1/4" = .25" 1/2" = .5" 3/4" = .75" 1" = 1.0" 1 1/4" = 1.25" 1 1/2" = 1.5" 2" = 2.0" 2 1/2" = 2.5" 3" = 3.0" 3 1/2" = 3.5" 4" = 4.0" 4 1/2" = 4.5" 5" = 5.0" 5 1/2" = 5.5" 6" = 6.0" 6 1/2" = 6.5" 7" = 7.0" 7 1/2" = 7.5" 8" = 8.0" 8 1/2" = 8.5" 9" = 9.0" 9 1/2" = 9.5" 10" = 10.0" 10 1/2" = 10.5" 11" = 11.0" 11 1/2" = 11.5" 12" = 12.0" 12 1/2" = 12.5" 13" = 13.0" 13 1/2" = 13.5" 14" = 14.0" 14 1/2" = 14.5" 15" = 15.0" 15 1/2" = 15.5" 16" = 16.0" 16 1/2" = 16.5" 17" = 17.0" 17 1/2" = 17.5" 18" = 18.0" 18 1/2" = 18.5" 19" = 19.0" 19 1/2" = 19.5" 20" = 20.0" 20 1/2" = 20.5" 21" = 21.0" 21 1/2" = 21.5" 22" = 22.0" 22 1/2" = 22.5" 23" = 23.0" 23 1/2" = 23.5" 24" = 24.0" 24 1/2" = 24.5" 25" = 25.0" 25 1/2" = 25.5" 26" = 26.0" 26 1/2" = 26.5" 27" = 27.0" 27 1/2" = 27.5" 28" = 28.0" 28 1/2" = 28.5" 29" = 29.0" 29 1/2" = 29.5" 30" = 30.0" 30 1/2" = 30.5" 31" = 31.0" 31 1/2" = 31.5" 32" = 32.0" 32 1/2" = 32.5" 33" = 33.0" 33 1/2" = 33.5" 34" = 34.0" 34 1/2" = 34.5" 35" = 35.0" 35 1/2" = 35.5" 36" = 36.0" 36 1/2" = 36.5" 37" = 37.0" 37 1/2" = 37.5" 38" = 38.0" 38 1/2" = 38.5" 39" = 39.0" 39 1/2" = 39.5" 40" = 40.0" 40 1/2" = 40.5" 41" = 41.0" 41 1/2" = 41.5" 42" = 42.0" 42 1/2" = 42.5" 43" = 43.0" 43 1/2" = 43.5" 44" = 44.0" 44 1/2" = 44.5" 45" = 45.0" 45 1/2" = 45.5" 46" = 46.0" 46 1/2" = 46.5" 47" = 47.0" 47 1/2" = 47.5" 48" = 48.0" 48 1/2" = 48.5" 49" = 49.0" 49 1/2" = 49.5" 50" = 50.0" 50 1/2" = 50.5" 51" = 51.0" 51 1/2" = 51.5" 52" = 52.0" 52 1/2" = 52.5" 53" = 53.0" 53 1/2" = 53.5" 54" = 54.0" 54 1/2" = 54.5" 55" = 55.0" 55 1/2" = 55.5" 56" = 56.0" 56 1/2" = 56.5" 57" = 57.0" 57 1/2" = 57.5" 58" = 58.0" 58 1/2" = 58.5" 59" = 59.0" 59 1/2" = 59.5" 60" = 60.0" 60 1/2" = 60.5" 61" = 61.0" 61 1/2" = 61.5" 62" = 62.0" 62 1/2" = 62.5" 63" = 63.0" 63 1/2" = 63.5" 64" = 64.0" 64 1/2" = 64.5" 65" = 65.0" 65 1/2" = 65.5" 66" = 66.0" 66 1/2" = 66.5" 67" = 67.0" 67 1/2" = 67.5" 68" = 68.0" 68 1/2" = 68.5" 69" = 69.0" 69 1/2" = 69.5" 70" = 70.0" 70 1/2" = 70.5" 71" = 71.0" 71 1/2" = 71.5" 72" = 72.0" 72 1/2" = 72.5" 73" = 73.0" 73 1/2" = 73.5" 74" = 74.0" 74 1/2" = 74.5" 75" = 75.0" 75 1/2" = 75.5" 76" = 76.0" 76 1/2" = 76.5" 77" = 77.0" 77 1/2" = 77.5" 78" = 78.0" 78 1/2" = 78.5" 79" = 79.0" 79 1/2" = 79.5" 80" = 80.0" 80 1/2" = 80.5" 81" = 81.0" 81 1/2" = 81.5" 82" = 82.0" 82 1/2" = 82.5" 83" = 83.0" 83 1/2" = 83.5" 84" = 84.0" 84 1/2" = 84.5" 85" = 85.0" 85 1/2" = 85.5" 86" = 86.0" 86 1/2" = 86.5" 87" = 87.0" 87 1/2" = 87.5" 88" = 88.0" 88 1/2" = 88.5" 89" = 89.0" 89 1/2" = 89.5" 90" = 90.0" 90 1/2" = 90.5" 91" = 91.0" 91 1/2" = 91.5" 92" = 92.0" 92 1/2" = 92.5" 93" = 93.0" 93 1/2" = 93.5" 94" = 94.0" 94 1/2" = 94.5" 95" = 95.0" 95 1/2" = 95.5" 96" = 96.0" 96 1/2" = 96.5" 97" = 97.0" 97 1/2" = 97.5" 98" = 98.0" 98 1/2" = 98.5" 99" = 99.0" 99 1/2" = 99.5" 100" = 100.0" 100 1/2" = 100.5" 101" = 101.0" 101 1/2" = 101.5" 102" = 102.0" 102 1/2" = 102.5" 103" = 103.0" 103 1/2" = 103.5" 104" = 104.0" 104 1/2" = 104.5" 105" = 105.0" 105 1/2" = 105.5" 106" = 106.0" 106 1/2" = 106.5" 107" = 107.0" 107 1/2" = 107.5" 108" = 108.0" 108 1/2" = 108.5" 109" = 109.0" 109 1/2" = 109.5" 110" = 110.0" 110 1/2" = 110.5" 111" = 111.0" 111 1/2" = 111.5" 112" = 112.0" 112 1/2" = 112.5" 113" = 113.0" 113 1/2" = 113.5" 114" = 114.0" 114 1/2" = 114.5" 115" = 115.0" 115 1/2" = 115.5" 116" = 116.0" 116 1/2" = 116.5" 117" = 117.0" 117 1/2" = 117.5" 118" = 118.0" 118 1/2" = 118.5" 119" = 119.0" 119 1/2" = 119.5" 120" = 120.0" 120 1/2" = 120.5" 121" = 121.0" 121 1/2" = 121.5" 122" = 122.0" 122 1/2" = 122.5" 123" = 123.0" 123 1/2" = 123.5" 124" = 124.0" 124 1/2" = 124.5" 125" = 125.0" 125 1/2" = 125.5" 126" = 126.0" 126 1/2" = 126.5" 127" = 127.0" 127 1/2" = 127.5" 128" = 128.0" 128 1/2" = 128.5" 129" = 129.0" 129 1/2" = 129.5" 130" = 130.0" 130 1/2" = 130.5" 131" = 131.0" 131 1/2" = 131.5" 132" = 132.0" 132 1/2" = 132.5" 133" = 133.0" 133 1/2" = 133.5" 134" = 134.0" 134 1/2" = 134.5" 135" = 135.0" 135 1/2" = 135.5" 136" = 136.0" 136 1/2" = 136.5" 137" = 137.0" 137 1/2" = 137.5" 138" = 138.0" 138 1/2" = 138.5" 139" = 139.0" 139 1/2" = 139.5" 140" = 140.0" 140 1/2" = 140.5" 141" = 141.0" 141 1/2" = 141.5" 142" = 142.0" 142 1/2" = 142.5" 143" = 143.0" 143 1/2" = 143.5" 144" = 144.0" 144 1/2" = 144.5" 145" = 145.0" 145 1/2" = 145.5" 14

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Drew Adams / ACC	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 14.00	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y  Filtration Equipment Type:	FILTER SIZE: _____ μ m

FIELD DECONTAMINATION:	PUMP	Y	(N)	TUBING	Y	(N) (replaced)	DUPLICATE:	Y	(N)
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SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml. per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH	
	1	PE	1L	-	-	-	G-CHEM BP 0.13
	1	PE	250 ml	HNO3	-	-	METALS
	1	PE	250 ml	H2SO4	-	-	NH3
	3	AG	40 ml	HCl	-	-	BZLOB
	3	CG	40 ml	NaOH	-	-	BZ11
	2	PE	1L	HNO3	-	-	NH3

REMARKS:

Shoen present YES

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUETTE, FL	
WELL NO. DW-45R	SAMPLE ID:	DATE: 8-22-25	

PURGING DATA

WELL DIAMETER (Inches):	2	TUBING DIAMETER (Inches):	3/8	WELL SCREEN INTERVAL DEPTH (feet) to (feet)	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
WELL ELEVATION TOC (ft NGVD)				GROUNDWATER ELEVATION (ft NGVD)		
128.04				120.61		

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY

(only fill out if applicable) 15.48 feet - 7.43 feet x 0.163 gallons/foot = 1.31 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

$$= 0.3 \text{ gallons} + (0.006 \text{ gallons/foot} \times 15.48 \text{ feet}) + 0.05 \text{ gallons} = 0.44 \text{ gallons}$$

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.73	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.23	PURGING INITIATED AT: 1029	PURGING ENDED AT: 1049	TOTAL VOLUME PURGED (gallons): 3.00
--	--	----------------------------	------------------------	-------------------------------------

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.018

PURGING EQUIPMENT CODES: B = Beller; BP = Booster Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DASHI ARMAZ / ALL	SAMPLER(S) SIGNATURE(S): 	SAMPLING INITIATED AT: 1049	SAMPLING ENDED AT: NR
PUMP OR TUBING DEPTH IN WELL (feet): 13.23	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y  Filtration Equipment Type: M	FILTER SIZE: _____ µm

FIELD DECONTAMINATION:	PUMP	Y	(N)	TUBING	Y	(N) (replaced)	DUPLICATE:	Y	(N)
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		SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (ml)	FINAL pH			
	1		PE	1L	-	-	-	G-CHEM	BP	0.15
	1		PE	250 ml	HNO3	-	-	METALS		
	1		PE	250 ml	H2SO4	-	-	NH3		
	3		AG	40 ml	HCl	-	-	BZBOB		
	3		CG	40 ml	Nathis	-	-	SOIL		
	2		PE	1L	HNO3	-	-	ROD		

REMARKS:

Shimen present YES NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Beller; BP = Blender Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2 \text{ mol/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $\leq 20 \text{ NTU}$; optionally $\pm 5 \text{ NTU}$ or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE	SITE LOCATION: DUETTE, FL
WELL NO: DW-2SR	SAMPLE ID: _____ DATE: 8-22-25

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 14.5 feet	STATIC DEPTH TO WATER (feet): 8.17
WELL ELEVATION TOC (ft NGVD): 128.10		GROUNDWATER ELEVATION (ft NGVD): 119.93	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (14.56 feet - 8.17 feet) X 0.163 gallons/foot = _____ gallons			
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 14.56 feet) + 0.05 gallons = 0.44 gallons			
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.02	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.02	PURGING INITIATED AT: 0907	PURGING ENDED AT: 0927
			TOTAL VOLUME PURGED (gallons): 3.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP (mV)	COLOR (describe)	ODOR (describe)
0917	1.50	1.50	0.15	8.36	6.03	30.6	83	0.9	5.04	102		
0920	0.45	1.95	0.15	8.37	6.03	30.7	81	0.9	5.00	103		
0923	0.45	2.40	0.15	8.39	6.03	30.8	80	0.8	4.90	104		
0926	0.45	2.85	0.15	8.40	6.01	30.8	81	0.8	4.82	104	Yellow	Tint

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0025; 5/16" = 0.004; 3/8" = 0.005; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Dawn Armare / AEC				SAMPLER(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0927		SAMPLING ENDED AT: NR	
PUMP OR TUBING DEPTH IN WELL (feet): 13.02				TUBING MATERIAL CODE: T				FIELD-FILTERED: Y ☒ NO		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP Y ☒ NO				TUBING Y ☒ NO (replaced)				DUPLICATE: Y ☒ NO			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PE	1L	-	-	-	G-CHEM	BP	0.15		
	1	PE	250 mL	HNO3	-	-	METALS	1	1		
	1	PE	250 mL	H2SO4	-	-	NH3	1	1		
	3	AG	40 mL	HCl	-	-	BZBOB	1	1		
	3	CG	40 mL	NaOH	-	-	SOIL	1	1		
	2	PE	1L	HNO3	-	-	RAD				
REMARKS:											
Sheen present YES ☒ NO											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	DW-15R	SAMPLE ID:	DATE: 8-22-25

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTHS: 5.6 feet to 5.56 feet	STATIC DEPTH TO WATER (feet): 8.39	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 128.17		GROUNDWATER ELEVATION (ft NGVD): 119.38		

EQUIPMENT VOLUME PURGE: † EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOWCELL VOLUME
(only fill out if applicable)

= 0.3 gallons + (0.006 gallons/foot X 15.56 feet) + 0.05 gallons = 0.44 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	13.95	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	13.95	PURGING INITIATED AT:	0836	PURGING ENDED AT:	0846	TOTAL VOLUME PURGED (gallons):	3.00
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WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.08; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.014

PURGING EQUIPMENT CODES: B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: DANIEL BROWN / AEC				SAMPLE(S) SIGNATURE(S): 				SAMPLING INITIATED AT: 0846		SAMPLING ENDED AT: NR				
PUMP OR TUBING DEPTH IN WELL (feet): 12.95				TUBING MATERIAL CODE: T			FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: _____ µm					
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced)								DUPLICATE: Y (N)						
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml. per minute)		
SAMPLE ID CODE		# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
		1		PE	1L	-	-	-	Grchem		BP		0.15	
		1		PE	250 ml	HNO3	-	-	METALS		1		1	
		1		PE	250 ml	H2SO4	-	-	N49		1		1	
		3		AG	40 ml	HCl	-	-	BZLOB		1		1	
		3		CG	40 ml	NaOH	-	-	SOIL		1		1	
		2		PE	1L	HNO3	-	-	N49		1		1	

Sheen present YES ☒ NO

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

SITE NAME:	NORTH MANATEE	SITE LOCATION:	DUETTE, FL
WELL NO:	BW-15	SAMPLE ID:	DATE: 8-22-25

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 4.47	PURGE PUMP TYPE OR BAILER: BP
WELL ELEVATION TOC (ft NGVD): 126.40		GROUNDWATER ELEVATION (ft NGVD): 121.93		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (15.00 feet - 4.47 feet) X 0.163 gallons/foot = 1.72 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = 0.3 gallons + (0.006 gallons/foot X 15.00 feet) + 0.05 gallons = 0.44 gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.00	PURGING INITIATED AT: 0743	PURGING ENDED AT: 0805	TOTAL VOLUME PURGED (gallons): 3.30

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: DANIEL ARMAN / ACC			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0805		SAMPLING ENDED AT: NR		
PUMP OR TUBING DEPTH IN WELL (feet): 11.00			TUBING MATERIAL CODE: Y			FIELD-FILTERED: Y ^(M)		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP Y ^(N) TUBING Y ^(N) (replaced)						DUPLICATE: Y ^(M)				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS		MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
	1		PE	1L	-	-	-	G-chem	BP	0.15
	1		PE	250 mL	HNO3	-	-	METALS	1	1
	1		PE	250 mL	H2SO4	-	-	NH3	1	1
	3		AG	40 mL	HCl	-	-	BZ608		
	3		CG	40 mL	NaOH	-	-	8011		
	2		PE	1L	HNO3	-	-	RAD	1	

Sharon present YES ☒

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPF = Reverse Flow Peristaltic Pump; SM = Strain Method (Tubing Gravity Drain); O = Other (Specify)

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212 SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME	NORTH MANATEE	SITE LOCATION	DUETTE, FL
WELL NO:	BW-25	SAMPLE ID:	DATE: 8-22-25

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AGENCY: <u>Dan Aronson / ALC</u>				SAMPLER(S) SIGNATURE(S): <u>[Signature]</u>				SAMPLING INITIATED AT: <u>0730</u>		SAMPLING ENDED AT: <u>NR</u>	
PUMP OR TUBING DEPTH IN WELL (feet): <u>11.00</u>				TUBING MATERIAL CODE: <u>T</u>				FIELD-FILTERED: <u>Y</u> <u>ND</u>		FILTER SIZE: _____ μ m	
FIELD DECONTAMINATION: PUMP <u>Y</u> <u>(N)</u>				TUBING <u>Y</u> <u>(N)</u> (replaced)				DUPLICATE: <u>Y</u> <u>(N)</u>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
	1	PE	1L	-	-	-	G-CHEN		BP	0.15	
	1	PE	250 ml	HA03	-	-	METALS		1	1	
	1	PE	250 ml	H2SO4	-	-	N43		1	1	
	3	AG	40 ml	HCl	-	-	BZ60B				
	3	CG	40 ml	NaOH	-	-	8011				
	2	PE	1L	HA03	-	-	ZAP				
REMARKS:											
Sheen present <u>YES</u> <u>(NO)</u>											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS2212, SECTION 3)**

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $< 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: NORTH MANATEE		SITE LOCATION: DUVETTE, FL	
WELL NO: LS-1	SAMPLE ID:	DATE: 8-22-20	

PURGING DATA

WELL DIAMETER (Inches). NA	TUBING DIAMETER (Inches): NA	WELL SCREEN INTERVAL DEPTH: — feet to — feet	STATIC DEPTH TO WATER (feet). NA	PURGE PUMP TYPE OR BAILER: NA
WELL ELEVATION TOC (# NGVD) NA		GROUNDWATER ELEVATION (# NGVD) NA		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH — STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet — feet) X gallons/foot = gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
= gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: NA	PURGING ENDED AT: NA	TOTAL VOLUME PURGED (gallons). NA

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 4 1/8" = 0.0006; 3 1/2" = 0.0014; 1 3/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Baller; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

[illegible]

REMARKS:

Shear present YES NO LS-g = LEACHATE SAMPLE TAKEN FROM PORT ON TANK

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; Y = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = Aler (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTE8: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $< 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) Turbidity: all readings < 20 NTU, optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

October 15, 2025

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

North Manatee (NMRDF)

Sample Delivery Group: L1899746
Samples Received: 09/19/2025
Project Number: 700
Description: North Manatee (NMRDF)-Semiannual Surfacewater 2,8
Site: FL50
Report To: Liz Foeller
25515 Old Landfill Road
Punta Gorda, FL 33980

Entire Report Reviewed By:



Stacy Kennedy
Project Manager

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

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
SW-1&2R L1899746-01	5
TRIP BLANK L1899746-02	8
Qc: Quality Control Summary	9
Gravimetric Analysis by Method 2540 C-2011	9
Gravimetric Analysis by Method 2540 D-2011	10
Wet Chemistry by Method 130.1	11
Wet Chemistry by Method 350.1	12
Wet Chemistry by Method 351.2	13
Wet Chemistry by Method 365.1	14
Wet Chemistry by Method 410.4	15
Wet Chemistry by Method 5210 B-2011	16
Wet Chemistry by Method 5310 B-2011	17
Wet Chemistry by Method 9056A	18
Mercury by Method 7470A	20
Metals (ICP) by Method 6010B	21
Metals (ICPMS) by Method 6020	22
Volatile Organic Compounds (GC/MS) by Method 8260B	23
EDB / DBCP by Method 8011	27
Gl: Glossary of Terms	29
Al: Accreditations & Locations	30
Sc: Sample Chain of Custody	31

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

SAMPLE SUMMARY

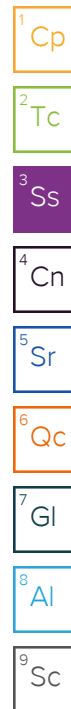
SW-1&2R L1899746-01

Collected by
Drew Cory

Collected date/time
09/18/25 12:15

Received date/time
09/19/25 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Calculated Results	WG2605348	1	09/21/25 18:59	09/21/25 18:59	ARD	Mt. Juliet, TN
Calculated Results	WG2609910	1	10/01/25 18:45	10/01/25 18:45	KMB	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 C-2011	WG2604934	1	09/20/25 21:48	09/22/25 09:24	AMG	Mt. Juliet, TN
Gravimetric Analysis by Method 2540 D-2011	WG2606334	1	09/23/25 20:34	09/23/25 21:49	AMG	Mt. Juliet, TN
Method SM10200	WG2605878	1	09/25/25 08:25	10/02/25 19:53	SMK	Mt. Juliet, TN
Wet Chemistry by Method 130.1	WG2605549	1	09/22/25 10:02	09/25/25 13:35	CAT	Mt. Juliet, TN
Wet Chemistry by Method 350.1	WG2605348	1	09/21/25 18:59	09/21/25 18:59	RTW	Mt. Juliet, TN
Wet Chemistry by Method 351.2	WG2611196	1	09/30/25 17:47	10/01/25 18:45	KMB	Mt. Juliet, TN
Wet Chemistry by Method 365.1	WG2607760	25	09/30/25 06:57	10/01/25 15:54	FNR	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG2606078	1	09/23/25 11:06	09/23/25 17:45	DLS	Mt. Juliet, TN
Wet Chemistry by Method 5210 B-2011	WG2604063	1	09/19/25 13:44	09/24/25 08:17	HMH	Mt. Juliet, TN
Wet Chemistry by Method 5310 B-2011	WG2608662	1	09/27/25 03:16	09/27/25 03:16	TMH	Mt. Juliet, TN
Wet Chemistry by Method 9056A	WG2604198	1	09/19/25 21:57	09/19/25 21:57	GEB	Mt. Juliet, TN
Mercury by Method 7470A	WG2604462	1	09/23/25 22:14	09/25/25 10:28	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG2604587	1	09/20/25 22:16	09/21/25 12:32	MAP	Mt. Juliet, TN
Metals (ICPMS) by Method 6020	WG2605459	1	09/22/25 10:56	10/11/25 13:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2604827	1	09/20/25 17:13	09/20/25 17:13	JAH	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2606271	1	09/24/25 12:38	09/25/25 05:31	MEW	Mt. Juliet, TN



TRIP BLANK L1899746-02

Collected by
Drew Cory

Collected date/time
09/18/25 12:50

Received date/time
09/19/25 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2604827	1	09/20/25 14:58	09/20/25 14:58	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2607551	1	09/25/25 14:42	09/25/25 14:42	DYW	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG2604512	1.05	09/21/25 09:46	09/22/25 08:02	HCS	Mt. Juliet, TN

CASE NARRATIVE

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



Stacy Kennedy
Project Manager

Gravimetric Analysis by Method 2540 C-2011

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2604934	(DUP) R4277285-3, L1899746-01	Dissolved Solids

Wet Chemistry by Method 365.1

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2607760	(MS) R4281093-3	Phosphorus, Total

Wet Chemistry by Method 5310 B-2011

Off-scale high. Actual value is known to be greater than value given.

Batch	Lab Sample ID	Analytes
WG2608662	(MSD) R4279174-5	TOC (Total Organic Carbon)
WG2608662	(MS) R4279174-6	TOC (Total Organic Carbon)

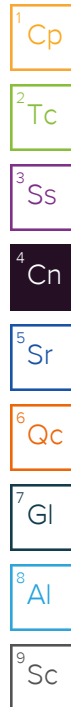
Volatile Organic Compounds (GC/MS) by Method 8260B

The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.

Batch	Lab Sample ID	Analytes
WG2604827	L1899746-02	Acetone

The value is outside laboratory established criteria.

Batch	Lab Sample ID	Analytes
WG2604827	(LCS) R4278056-2, L1899746-01, 02	2-Butanone (MEK), Acetone and Carbon tetrachloride



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

	Result	Units
Analyte		
Sampling Method	Z	
pH (On Site)	7.12	su
Temperature (on-site)	29.1	Deg. C
Specific Conductance (on site)	165.7	umhos/cm
Dissolved Oxygen (on-site)	5.8	mg/l
eH/ORP (On Site)	152	mV

Calculated Results

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Total Nitrogen	1.02		0.0227	0.100	1	10/01/2025 18:45	WG2609910
Unionized Ammonia	0.000361	U	0.000361	0.00114	1	09/21/2025 18:59	WG2605348

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l			
Dissolved Solids	96.0	J	10.0	1	09/22/2025 09:24	WG2604934

Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l			
Suspended Solids	2.50		2.50	1	09/23/2025 21:49	WG2606334

Method SM10200

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/m3		mg/m3	mg/m3			
Chlorophyll a- uncorrected	7.10	I	3.50	10.6	1	10/02/2025 19:53	WG2605878

Wet Chemistry by Method 130.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Hardness (colorimetric) as CaCO3	52.9		1.43	30.0	1	09/25/2025 13:35	WG2605549

Wet Chemistry by Method 350.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Ammonia Nitrogen	0.0317	U	0.0317	0.100	1	09/21/2025 18:59	WG2605348

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Kjeldahl Nitrogen, TKN	0.988		0.0350	0.250	1	10/01/2025 18:45	WG2611196

Wet Chemistry by Method 365.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Phosphorus,Total	0.0250	U	0.0250	0.0750	25	10/01/2025 15:54	WG2607760

Sample Narrative:

L1899746-01 WG2607760: Dilution due to matrix.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 410.4

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
COD	46.4		3.00	10.0	1	09/23/2025 17:45	WG2606078

Wet Chemistry by Method 5210 B-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
BOD	3.33		3.33		1	09/24/2025 08:17	WG2604063

Wet Chemistry by Method 5310 B-2011

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
TOC (Total Organic Carbon)	12.4		0.102	1.00	1	09/27/2025 03:16	WG2608662

Wet Chemistry by Method 9056A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Nitrate as (N)	0.0314	!	0.0227	0.100	1	09/19/2025 21:57	WG2604198
Nitrite as (N)	0.0277	U	0.0277	0.100	1	09/19/2025 21:57	WG2604198

Mercury by Method 7470A

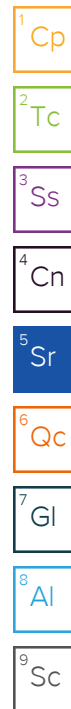
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	0.0490	U	0.0490	0.200	1	09/25/2025 10:28	WG2604462

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Silver, Total Recoverable	8.39		2.80	5.00	1	09/21/2025 12:32	WG2604587
Barium, Total Recoverable	9.06		1.70	5.00	1	09/21/2025 12:32	WG2604587
Cobalt, Total Recoverable	2.30	U	2.30	10.0	1	09/21/2025 12:32	WG2604587
Chromium, Total Recoverable	1.40	U	1.40	10.0	1	09/21/2025 12:32	WG2604587
Copper, Total Recoverable	5.30	U	5.30	10.0	1	09/21/2025 12:32	WG2604587
Iron, Total Recoverable	33.9	!	14.1	100	1	09/21/2025 12:32	WG2604587
Nickel, Total Recoverable	4.90	U	4.90	10.0	1	09/21/2025 12:32	WG2604587
Lead, Total Recoverable	1.90	U	1.90	5.00	1	09/21/2025 12:32	WG2604587

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic, Total Recoverable	0.500	!	0.250	2.00	1	10/11/2025 13:53	WG2605459
Beryllium, Total Recoverable	0.120	U	0.120	2.00	1	10/11/2025 13:53	WG2605459
Cadmium, Total Recoverable	0.160	U	0.160	1.00	1	10/11/2025 13:53	WG2605459
Antimony, Total Recoverable	0.754	U	0.754	2.00	1	10/11/2025 13:53	WG2605459
Selenium, Total Recoverable	0.380	U	0.380	2.00	1	10/11/2025 13:53	WG2605459
Thallium, Total Recoverable	0.190	U	0.190	2.00	1	10/11/2025 13:53	WG2605459
Vanadium, Total Recoverable	0.626	!	0.180	5.00	1	10/11/2025 13:53	WG2605459
Zinc, Total Recoverable	7.95	!	2.56	25.0	1	10/11/2025 13:53	WG2605459



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	CC	0.120	0.500	1	09/20/2025 17:13	WG2604827
1,1,1-Trichloroethane	0.0940	CC	0.0940	0.500	1	09/20/2025 17:13	WG2604827
1,1,2,2-Tetrachloroethane	0.130	CC	0.130	0.500	1	09/20/2025 17:13	WG2604827
1,1,2-Trichloroethane	0.0940	CC	0.0940	0.500	1	09/20/2025 17:13	WG2604827
1,1-Dichloroethane	0.114	CC	0.114	0.500	1	09/20/2025 17:13	WG2604827
1,1-Dichloroethene	0.188	CC	0.188	0.500	1	09/20/2025 17:13	WG2604827
1,2,3-Trichloropropane	0.247	CC	0.247	2.50	1	09/20/2025 17:13	WG2604827
1,2-Dichlorobenzene	0.101	CC	0.101	0.500	1	09/20/2025 17:13	WG2604827
1,2-Dichloroethane	0.108	CC	0.108	0.500	1	09/20/2025 17:13	WG2604827
1,2-Dichloropropane	0.190	CC	0.190	0.500	1	09/20/2025 17:13	WG2604827
1,4-Dichlorobenzene	0.121	CC	0.121	0.500	1	09/20/2025 17:13	WG2604827
2-Butanone (MEK)	1.28	CC	1.28	5.00	1	09/20/2025 17:13	WG2604827
2-Hexanone	0.757	CC	0.757	5.00	1	09/20/2025 17:13	WG2604827
4-Methyl-2-pentanone (MIBK)	0.823	CC	0.823	5.00	1	09/20/2025 17:13	WG2604827
Acetone	3.57	CC	1.05	25.0	1	09/20/2025 17:13	WG2604827
Acrylonitrile	0.873	CC	0.873	5.00	1	09/20/2025 17:13	WG2604827
Benzene	0.0896	CC	0.0896	0.500	1	09/20/2025 17:13	WG2604827
Bromochloromethane	0.145	CC	0.145	0.500	1	09/20/2025 17:13	WG2604827
Bromodichloromethane	0.0800	CC	0.0800	0.500	1	09/20/2025 17:13	WG2604827
Bromoform	0.186	CC	0.186	0.500	1	09/20/2025 17:13	WG2604827
Bromomethane	0.157	CC	0.157	2.50	1	09/20/2025 17:13	WG2604827
Carbon disulfide	0.101	CC	0.101	0.500	1	09/20/2025 17:13	WG2604827
Carbon tetrachloride	0.159	CC	0.159	0.500	1	09/20/2025 17:13	WG2604827
Chlorobenzene	0.140	CC	0.140	0.500	1	09/20/2025 17:13	WG2604827
Chloroethane	0.141	CC	0.141	2.50	1	09/20/2025 17:13	WG2604827
Chloroform	0.0860	CC	0.0860	0.500	1	09/20/2025 17:13	WG2604827
Chloromethane	0.153	CC	0.153	1.25	1	09/20/2025 17:13	WG2604827
Dibromochloromethane	0.128	CC	0.128	0.500	1	09/20/2025 17:13	WG2604827
Dibromomethane	0.117	CC	0.117	0.500	1	09/20/2025 17:13	WG2604827
Ethylbenzene	0.158	CC	0.158	0.500	1	09/20/2025 17:13	WG2604827
Iodomethane	0.377	CC	0.377	10.0	1	09/20/2025 17:13	WG2604827
Methylene Chloride	1.07	CC	1.07	2.50	1	09/20/2025 17:13	WG2604827
Styrene	0.117	CC	0.117	0.500	1	09/20/2025 17:13	WG2604827
Tetrachloroethene	0.199	CC	0.199	0.500	1	09/20/2025 17:13	WG2604827
Toluene	0.412	CC	0.412	0.500	1	09/20/2025 17:13	WG2604827
Trichloroethene	0.153	CC	0.153	0.500	1	09/20/2025 17:13	WG2604827
Trichlorofluoromethane	0.130	CC	0.130	2.50	1	09/20/2025 17:13	WG2604827
Vinyl acetate	0.645	CC	0.645	5.00	1	09/20/2025 17:13	WG2604827
Vinyl chloride	0.118	CC	0.118	0.500	1	09/20/2025 17:13	WG2604827
Xylenes, Total	0.316	CC	0.316	1.50	1	09/20/2025 17:13	WG2604827
cis-1,2-Dichloroethene	0.0933	CC	0.0933	0.500	1	09/20/2025 17:13	WG2604827
cis-1,3-Dichloropropene	0.0976	CC	0.0976	0.500	1	09/20/2025 17:13	WG2604827
trans-1,2-Dichloroethene	0.152	CC	0.152	0.500	1	09/20/2025 17:13	WG2604827
trans-1,3-Dichloropropene	0.222	CC	0.222	0.500	1	09/20/2025 17:13	WG2604827
trans-1,4-Dichloro-2-butene	0.257	CC	0.257	5.00	1	09/20/2025 17:13	WG2604827
(S) 1,2-Dichloroethane-d4	113			70.0-130		09/20/2025 17:13	WG2604827
(S) 4-Bromofluorobenzene	99.6			77.0-126		09/20/2025 17:13	WG2604827
(S) Toluene-d8	96.9			80.0-120		09/20/2025 17:13	WG2604827

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00240	U	0.00240	0.0100	1	09/25/2025 05:31	WG2606271

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,1,2-Tetrachloroethane	0.120	U	0.120	0.500	1	09/20/2025 14:58	WG2604827
1,1,1-Trichloroethane	0.0940	U	0.0940	0.500	1	09/20/2025 14:58	WG2604827
1,1,2,2-Tetrachloroethane	0.130	U	0.130	0.500	1	09/20/2025 14:58	WG2604827
1,1,2-Trichloroethane	0.0940	U	0.0940	0.500	1	09/20/2025 14:58	WG2604827
1,1-Dichloroethane	0.114	U	0.114	0.500	1	09/20/2025 14:58	WG2604827
1,1-Dichloroethene	0.188	U	0.188	0.500	1	09/20/2025 14:58	WG2604827
1,2,3-Trichloropropane	0.247	U	0.247	2.50	1	09/20/2025 14:58	WG2604827
1,2-Dichlorobenzene	0.101	U	0.101	0.500	1	09/20/2025 14:58	WG2604827
1,2-Dichloroethane	0.108	U	0.108	0.500	1	09/20/2025 14:58	WG2604827
1,2-Dichloropropane	0.190	U	0.190	0.500	1	09/20/2025 14:58	WG2604827
1,4-Dichlorobenzene	0.121	U	0.121	0.500	1	09/20/2025 14:58	WG2604827
2-Butanone (MEK)	1.52	-	1.28	5.00	1	09/25/2025 14:42	WG2607551
2-Hexanone	1.39	-	0.757	5.00	1	09/20/2025 14:58	WG2604827
4-Methyl-2-pentanone (MIBK)	1.78	-	0.823	5.00	1	09/20/2025 14:58	WG2604827
Acetone	98.1	C5 J	1.05	25.0	1	09/20/2025 14:58	WG2604827
Acrylonitrile	0.873	U	0.873	5.00	1	09/20/2025 14:58	WG2604827
Benzene	0.0896	U	0.0896	0.500	1	09/20/2025 14:58	WG2604827
Bromochloromethane	0.145	U	0.145	0.500	1	09/20/2025 14:58	WG2604827
Bromodichloromethane	0.0800	U	0.0800	0.500	1	09/20/2025 14:58	WG2604827
Bromoform	0.186	U	0.186	0.500	1	09/20/2025 14:58	WG2604827
Bromomethane	0.157	U	0.157	2.50	1	09/20/2025 14:58	WG2604827
Carbon disulfide	0.101	U	0.101	0.500	1	09/20/2025 14:58	WG2604827
Carbon tetrachloride	0.159	U	0.159	0.500	1	09/20/2025 14:58	WG2604827
Chlorobenzene	0.140	U	0.140	0.500	1	09/20/2025 14:58	WG2604827
Chloroethane	0.141	U	0.141	2.50	1	09/20/2025 14:58	WG2604827
Chloroform	0.0860	U	0.0860	0.500	1	09/20/2025 14:58	WG2604827
Chloromethane	0.153	U	0.153	1.25	1	09/20/2025 14:58	WG2604827
Dibromochloromethane	0.128	U	0.128	0.500	1	09/20/2025 14:58	WG2604827
Dibromomethane	0.117	U	0.117	0.500	1	09/20/2025 14:58	WG2604827
Ethylbenzene	0.158	U	0.158	0.500	1	09/20/2025 14:58	WG2604827
Iodomethane	0.377	U	0.377	10.0	1	09/20/2025 14:58	WG2604827
Methylene Chloride	1.07	U	1.07	2.50	1	09/20/2025 14:58	WG2604827
Styrene	0.117	U	0.117	0.500	1	09/20/2025 14:58	WG2604827
Tetrachloroethene	0.199	U	0.199	0.500	1	09/20/2025 14:58	WG2604827
Toluene	0.412	U	0.412	0.500	1	09/20/2025 14:58	WG2604827
Trichloroethene	0.153	U	0.153	0.500	1	09/20/2025 14:58	WG2604827
Trichlorofluoromethane	0.130	U	0.130	2.50	1	09/20/2025 14:58	WG2604827
Vinyl acetate	0.645	U	0.645	5.00	1	09/20/2025 14:58	WG2604827
Vinyl chloride	0.118	U	0.118	0.500	1	09/20/2025 14:58	WG2604827
Xylenes, Total	0.316	U	0.316	1.50	1	09/20/2025 14:58	WG2604827
cis-1,2-Dichloroethene	0.0933	U	0.0933	0.500	1	09/20/2025 14:58	WG2604827
cis-1,3-Dichloropropene	0.0976	U	0.0976	0.500	1	09/20/2025 14:58	WG2604827
trans-1,2-Dichloroethene	0.152	U	0.152	0.500	1	09/20/2025 14:58	WG2604827
trans-1,3-Dichloropropene	0.222	U	0.222	0.500	1	09/20/2025 14:58	WG2604827
trans-1,4-Dichloro-2-butene	0.257	U	0.257	5.00	1	09/20/2025 14:58	WG2604827
(S) 1,2-Dichloroethane-d4	117			70.0-130		09/20/2025 14:58	WG2604827
(S) 1,2-Dichloroethane-d4	97.4			70.0-130		09/25/2025 14:42	WG2607551
(S) 4-Bromofluorobenzene	101			77.0-126		09/20/2025 14:58	WG2604827
(S) 4-Bromofluorobenzene	96.6			77.0-126		09/25/2025 14:42	WG2607551
(S) Toluene-d8	93.9			80.0-120		09/20/2025 14:58	WG2604827
(S) Toluene-d8	100			80.0-120		09/25/2025 14:42	WG2607551

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

EDB / DBCP by Method 8011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Ethylene Dibromide	0.00252	U	0.00252	0.0105	1.05	09/22/2025 08:02	WG2604512

Method Blank (MB)

(MB) R4277285-1 09/22/25 09:24

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Dissolved Solids	2.82	<u>U</u>	2.82	10.0

L1899746-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899746-01 09/22/25 09:24 • (DUP) R4277285-3 09/22/25 09:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	96.0	111	1	14.5	<u>J</u>	10

L1899843-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1899843-24 09/22/25 09:24 • (DUP) R4277285-4 09/22/25 09:24

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Dissolved Solids	956	969	1	1.38		10

Laboratory Control Sample (LCS)

(LCS) R4277285-2 09/22/25 09:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Dissolved Solids	8800	8700	98.9	90.0-110	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4277901-1 09/23/25 21:49

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	0.350	<u>U</u>	0.350	2.50

L1899685-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899685-01 09/23/25 21:49 • (DUP) R4277901-3 09/23/25 21:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	5.00	5.00	1	7.41		10

L1899748-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899748-01 09/23/25 21:49 • (DUP) R4277901-4 09/23/25 21:49

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	38.7	42.0	1	8.26		10

Laboratory Control Sample (LCS)

(LCS) R4277901-2 09/23/25 21:49

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Suspended Solids	773	754	97.5	85.0-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4278507-1 09/25/25 13:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hardness (colorimetric) as CaCO3	1.43	<u>U</u>	1.43	30.0

Laboratory Control Sample (LCS)

(LCS) R4278507-2 09/25/25 13:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hardness (colorimetric) as CaCO3	200	191	95.5	85.0-115	

L1899694-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899694-05 09/25/25 13:30 • (MS) R4278507-3 09/25/25 13:32 • (MSD) R4278507-4 09/25/25 13:33

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hardness (colorimetric) as CaCO3	200	1.43	193	194	96.5	97.0	1	80.0-120			0.517	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4276537-1 09/21/25 18:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ammonia Nitrogen	0.0317	<u>U</u>	0.0317	0.100

L1899694-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1899694-05 09/21/25 18:38 • (DUP) R4276537-3 09/21/25 18:40

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.0317	0.0317	1	0.000	<u>U</u>	10

L1899700-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1899700-02 09/21/25 18:44 • (DUP) R4276537-6 09/21/25 18:46

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	0.0317	0.0317	1	0.000	<u>U</u>	10

Laboratory Control Sample (LCS)

(LCS) R4276537-2 09/21/25 18:37

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ammonia Nitrogen	7.50	7.53	100	90.0-110	

L1899694-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899694-05 09/21/25 18:38 • (MS) R4276537-4 09/21/25 18:41 • (MSD) R4276537-5 09/21/25 18:43

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	5.00	0.0317	4.87	5.07	97.4	101	1	90.0-110			3.98	10

L1899700-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1899700-02 09/21/25 18:44 • (MS) R4276537-7 09/21/25 18:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	5.00	0.0317	4.84	96.8	1	90.0-110	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4281204-1 10/01/25 18:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.0350	<u>U</u>	0.0350	0.250

L1900439-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1900439-11 10/01/25 18:46 • (DUP) R4281204-3 10/01/25 18:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	1.36	1.49	1	8.68	20

Laboratory Control Sample (LCS)

(LCS) R4281204-2 10/01/25 18:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Kjeldahl Nitrogen, TKN	3.28	3.36	103	90.0-110	

L1900488-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1900488-02 10/01/25 18:58 • (MS) R4281204-4 10/01/25 19:00 • (MSD) R4281204-5 10/01/25 19:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5.00	1.64	6.81	6.55	103	98.3	1	90.0-110			3.85	20

L1900661-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1900661-13 10/01/25 19:03 • (MS) R4281204-6 10/01/25 19:09 • (MSD) R4281204-7 10/01/25 19:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5.00	1.73	6.38	6.30	93.0	91.4	1	90.0-110			1.26	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4281093-1 10/01/25 15:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	0.00100	U	0.00100	0.00300

Laboratory Control Sample (LCS)

(LCS) R4281093-2 10/01/25 15:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phosphorus,Total	0.0802	0.0749	93.4	90.0-110	

L1900929-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1900929-01 10/01/25 15:55 • (MS) R4281093-3 10/01/25 15:57 • (MSD) R4281093-4 10/01/25 15:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	10.0	6.54	14.8	17.1	82.8	105	200	90.0-110	J		14.1	20

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R4277486-1 09/23/25 17:37

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
COD	3.00	<u>U</u>	3.00	10.0

Laboratory Control Sample (LCS)

(LCS) R4277486-2 09/23/25 17:38

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
COD	500	498	99.7	90.0-110	

L1899343-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899343-01 09/23/25 17:42 • (MS) R4277486-3 09/23/25 17:42 • (MSD) R4277486-4 09/23/25 17:42

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
COD	500	8.20	542	551	108	110	1	90.0-110			1.77	20

L1900121-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1900121-01 09/23/25 17:45 • (MS) R4277486-5 09/23/25 17:46 • (MSD) R4277486-6 09/23/25 17:46

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
COD	500	29.1	564	570	107	108	1	90.0-110			1.04	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4277970-1 09/24/25 07:20

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
BOD	0.200	U	0.200	0.200

L1899514-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899514-01 09/24/25 07:44 • (DUP) R4277970-3 09/24/25 07:46

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
BOD	5.16	4.46	1	14.6		30

L1899746-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899746-01 09/24/25 08:17 • (DUP) R4277970-4 09/24/25 08:29

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
BOD	3.33	3.33	1	0		30

Laboratory Control Sample (LCS)

(LCS) R4277970-2 09/24/25 07:29

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
BOD	198	177	89.5	84.6-115	

Laboratory Control Sample (LCS)

(LCS) R4277970-5 09/24/25 09:01

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
BOD	198	199	100	84.6-115	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4279174-7 09/26/25 17:23

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
TOC (Total Organic Carbon)	0.150	!	0.102	1.00

L1899472-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1899472-05 09/26/25 19:20 • (DUP) R4279174-4 09/26/25 19:41

	Original Result	DUP Result	Dilution	DUP RPD	DUP RPD Limits
Analyte	mg/l	mg/l		%	%
TOC (Total Organic Carbon)	23.8	23.0	1	3.71	20

Laboratory Control Sample (LCS)

(LCS) R4279174-8 09/26/25 17:06

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
TOC (Total Organic Carbon)	25.0	25.1	100	80.0-120	

L1899472-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899472-04 09/26/25 18:07 • (MS) R4279174-6 09/26/25 18:33 • (MSD) R4279174-5 09/26/25 18:58

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TOC (Total Organic Carbon)	25.0	27.0	52.6	52.6	102	102	1	75.0-125	L	L	0.0394	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4277911-1 09/19/25 18:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate as (N)	0.0317	!	0.0227	0.100
Nitrite as (N)	0.0277	U	0.0277	0.100

L1899730-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1899730-06 09/19/25 19:37 • (DUP) R4277911-3 09/19/25 19:47

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	0.0295	0.0281	1	0.000	!	15
Nitrite as (N)	0.0277	0.0277	1	0.000	U	15

L1899733-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899733-01 09/19/25 20:20 • (DUP) R4277911-6 09/19/25 20:41

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate as (N)	1.20	1.17	1	2.57		15
Nitrite as (N)	0.0291	0.0277	1	0.000	U	15

Laboratory Control Sample (LCS)

(LCS) R4277911-2 09/19/25 19:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrate as (N)	8.00	7.76	97.1	80.0-120	
Nitrite as (N)	8.00	7.92	99.0	80.0-120	

L1899730-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899730-06 09/19/25 19:37 • (MS) R4277911-4 09/19/25 19:58 • (MSD) R4277911-5 09/19/25 20:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate as (N)	8.00	0.0295	7.78	7.84	97.3	98.0	1	80.0-120			0.688	15
Nitrite as (N)	8.00	0.0277	8.05	8.12	101	102	1	80.0-120			0.864	15

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

L1899733-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1899733-01 09/19/25 20:20 • (MS) R4277911-8 09/19/25 21:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
Nitrate as (N)	8.00	1.20	8.93	96.6	1	80.0-120	
Nitrite as (N)	8.00	0.0291	7.77	97.1	1	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4278328-1 09/25/25 09:53

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Mercury	0.0490	<u>U</u>	0.0490	0.200

Laboratory Control Sample (LCS)

(LCS) R4278328-2 09/25/25 09:55

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	ug/l	ug/l	%	%	
Mercury	3.00	3.03	101	80.0-120	

L1899837-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899837-01 09/25/25 09:58 • (MS) R4278328-4 09/25/25 10:04 • (MSD) R4278328-5 09/25/25 10:07

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	0.245	2.99	3.00	91.5	91.9	1	75.0-125			0.459	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4276414-1 09/21/25 12:02

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Silver, Total Recoverable	2.80	⌵	2.80	5.00
Barium, Total Recoverable	1.70	⌵	1.70	5.00
Cobalt, Total Recoverable	2.30	⌵	2.30	10.0
Chromium, Total Recoverable	1.40	⌵	1.40	10.0
Copper, Total Recoverable	5.30	⌵	5.30	10.0
Iron, Total Recoverable	14.7	⌵	14.1	100
Nickel, Total Recoverable	4.90	⌵	4.90	10.0
Lead, Total Recoverable	1.90	⌵	1.90	5.00

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R4276414-2 09/21/25 12:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Silver, Total Recoverable	200	181	90.6	80.0-120	
Barium, Total Recoverable	1000	1010	101	80.0-120	
Cobalt, Total Recoverable	1000	977	97.7	80.0-120	
Chromium, Total Recoverable	1000	948	94.8	80.0-120	
Copper, Total Recoverable	1000	1010	101	80.0-120	
Iron, Total Recoverable	10000	9980	99.8	80.0-120	
Nickel, Total Recoverable	1000	952	95.2	80.0-120	
Lead, Total Recoverable	1000	947	94.7	80.0-120	

L1899752-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1899752-01 09/21/25 12:05 • (MS) R4276414-4 09/21/25 12:09 • (MSD) R4276414-5 09/21/25 12:11

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Silver, Total Recoverable	200	2.80	175	177	87.7	88.5	1	75.0-125			0.888	20
Barium, Total Recoverable	1000	14.9	1010	1010	99.2	100	1	75.0-125			0.760	20
Cobalt, Total Recoverable	1000	5.25	958	968	95.3	96.3	1	75.0-125			1.05	20
Chromium, Total Recoverable	1000	1.40	925	937	92.5	93.7	1	75.0-125			1.29	20
Copper, Total Recoverable	1000	5.98	1000	1010	99.4	101	1	75.0-125			1.14	20
Iron, Total Recoverable	10000	115	9910	10100	98.0	99.8	1	75.0-125			1.81	20
Nickel, Total Recoverable	1000	4.90	935	943	93.2	94.0	1	75.0-125			0.823	20
Lead, Total Recoverable	1000	1.90	920	929	92.0	92.9	1	75.0-125			1.02	20

Method Blank (MB)

(MB) R4285698-1 10/11/25 13:34

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic, Total Recoverable	0.250	⌈	0.250	2.00
Beryllium, Total Recoverable	0.120	⌈	0.120	2.00
Cadmium, Total Recoverable	0.160	⌈	0.160	1.00
Antimony, Total Recoverable	0.754	⌈	0.754	2.00
Selenium, Total Recoverable	0.380	⌈	0.380	2.00
Thallium, Total Recoverable	0.190	⌈	0.190	2.00
Vanadium, Total Recoverable	0.180	⌈	0.180	5.00
Zinc, Total Recoverable	3.15	⌈	2.56	25.0

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4285698-2 10/11/25 13:37

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic, Total Recoverable	50.0	49.5	99.0	80.0-120	
Beryllium, Total Recoverable	50.0	45.4	90.9	80.0-120	
Cadmium, Total Recoverable	50.0	52.5	105	80.0-120	
Antimony, Total Recoverable	50.0	50.4	101	80.0-120	
Selenium, Total Recoverable	50.0	48.4	96.8	80.0-120	
Thallium, Total Recoverable	50.0	49.6	99.2	80.0-120	
Vanadium, Total Recoverable	50.0	50.0	100	80.0-120	
Zinc, Total Recoverable	50.0	51.3	103	80.0-120	

L1900089-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1900089-01 10/11/25 13:40 • (MS) R4285698-4 10/11/25 13:46 • (MSD) R4285698-5 10/11/25 13:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic, Total Recoverable	50.0	44.8	92.3	92.6	95.0	95.7	1	75.0-125			0.384	20
Beryllium, Total Recoverable	50.0	0.120	45.4	47.0	90.9	94.0	1	75.0-125			3.35	20
Cadmium, Total Recoverable	50.0	0.160	53.0	53.7	106	107	1	75.0-125			1.35	20
Antimony, Total Recoverable	50.0	0.754	52.2	53.0	103	105	1	75.0-125			1.51	20
Selenium, Total Recoverable	50.0	1.53	50.0	51.7	97.0	100	1	75.0-125			3.40	20
Thallium, Total Recoverable	50.0	0.190	48.6	50.1	97.2	100	1	75.0-125			3.06	20
Vanadium, Total Recoverable	50.0	32.0	80.9	81.3	97.9	98.7	1	75.0-125			0.480	20
Zinc, Total Recoverable	50.0	16.1	62.2	65.6	92.3	99.0	1	75.0-125			5.27	20

Method Blank (MB)

(MB) R4278056-1 09/20/25 10:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,1,1,2-Tetrachloroethane	0.120	jc	0.120	0.500
1,1,1-Trichloroethane	0.0940	jc	0.0940	0.500
1,1,2,2-Tetrachloroethane	0.130	jc	0.130	0.500
1,1,2-Trichloroethane	0.0940	jc	0.0940	0.500
1,1-Dichloroethane	0.114	jc	0.114	0.500
1,1-Dichloroethene	0.188	jc	0.188	0.500
1,2,3-Trichloropropane	0.247	jc	0.247	2.50
1,2-Dichlorobenzene	0.101	jc	0.101	0.500
1,2-Dichloroethane	0.108	jc	0.108	0.500
1,2-Dichloropropane	0.190	jc	0.190	0.500
1,4-Dichlorobenzene	0.121	jc	0.121	0.500
2-Butanone (MEK)	1.28	jc	1.28	5.00
2-Hexanone	0.757	jc	0.757	5.00
4-Methyl-2-pentanone (MIBK)	0.823	jc	0.823	5.00
Acetone	1.05	jc	1.05	25.0
Acrylonitrile	0.873	jc	0.873	5.00
Benzene	0.0896	jc	0.0896	0.500
Bromochloromethane	0.145	jc	0.145	0.500
Bromodichloromethane	0.0800	jc	0.0800	0.500
Bromoform	0.186	jc	0.186	0.500
Bromomethane	0.157	jc	0.157	2.50
Carbon disulfide	0.101	jc	0.101	0.500
Carbon tetrachloride	0.159	jc	0.159	0.500
Chlorobenzene	0.140	jc	0.140	0.500
Chloroethane	0.141	jc	0.141	2.50
Chloroform	0.0860	jc	0.0860	0.500
Chloromethane	0.153	jc	0.153	1.25
Dibromochloromethane	0.128	jc	0.128	0.500
Dibromomethane	0.117	jc	0.117	0.500
Ethylbenzene	0.158	jc	0.158	0.500
Iodomethane	0.377	jc	0.377	10.0
Methylene Chloride	1.07	jc	1.07	2.50
Styrene	0.117	jc	0.117	0.500
Tetrachloroethene	0.199	jc	0.199	0.500
Toluene	0.412	jc	0.412	0.500
Trichloroethene	0.153	jc	0.153	0.500
Trichlorofluoromethane	0.130	jc	0.130	2.50
Vinyl acetate	0.645	jc	0.645	5.00
Vinyl chloride	0.118	jc	0.118	0.500
Xylenes, Total	0.316	jc	0.316	1.50

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4278056-1 09/20/25 10:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
cis-1,2-Dichloroethene	0.0933	⚡	0.0933	0.500
cis-1,3-Dichloropropene	0.0976	⚡	0.0976	0.500
trans-1,2-Dichloroethene	0.152	⚡	0.152	0.500
trans-1,3-Dichloropropene	0.222	⚡	0.222	0.500
trans-1,4-Dichloro-2-butene	0.257	⚡	0.257	5.00
(S) 1,2-Dichloroethane-d4	113			70.0-130
(S) 4-Bromofluorobenzene	98.7			77.0-126
(S) Toluene-d8	96.5			80.0-120

Laboratory Control Sample (LCS)

(LCS) R4278056-2 09/20/25 12:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	10.0	10.2	102	75.0-125	
1,1,1-Trichloroethane	10.0	11.9	119	73.0-124	
1,1,2,2-Tetrachloroethane	10.0	9.92	99.2	65.0-130	
1,1,2-Trichloroethane	10.0	9.71	97.1	80.0-120	
1,1-Dichloroethane	10.0	10.2	102	70.0-126	
1,1-Dichloroethene	10.0	9.87	98.7	71.0-124	
1,2,3-Trichloropropane	10.0	9.64	96.4	73.0-130	
1,2-Dichlorobenzene	10.0	9.50	95.0	79.0-121	
1,2-Dichloroethane	10.0	11.6	116	70.0-128	
1,2-Dichloropropane	10.0	10.6	106	77.0-125	
1,4-Dichlorobenzene	10.0	9.05	90.5	79.0-120	
2-Butanone (MEK)	50.0	91.9	184	44.0-160	⚡
2-Hexanone	50.0	58.3	117	67.0-149	
4-Methyl-2-pentanone (MIBK)	50.0	62.3	125	68.0-142	
Acetone	50.0	109	218	19.0-160	⚡
Acrylonitrile	50.0	58.2	116	55.0-149	
Benzene	10.0	10.3	103	70.0-123	
Bromochloromethane	10.0	11.2	112	76.0-122	
Bromodichloromethane	10.0	11.3	113	75.0-120	
Bromoform	10.0	11.6	116	68.0-132	
Bromomethane	10.0	9.77	97.7	10.0-160	
Carbon disulfide	10.0	9.25	92.5	61.0-128	
Carbon tetrachloride	10.0	14.7	147	68.0-126	⚡
Chlorobenzene	10.0	9.65	96.5	80.0-121	
Chloroethane	10.0	9.89	98.9	47.0-150	

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R4278056-2 09/20/25 12:10

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chloroform	10.0	10.1	101	73.0-120	
Chloromethane	10.0	9.41	94.1	41.0-142	
Dibromochloromethane	10.0	10.6	106	77.0-125	
Dibromomethane	10.0	11.1	111	80.0-120	
Ethylbenzene	10.0	9.99	99.9	79.0-123	
Iodomethane	50.0	52.2	104	33.0-147	
Methylene Chloride	10.0	9.14	91.4	67.0-120	
Styrene	10.0	10.5	105	73.0-130	
Tetrachloroethene	10.0	9.86	98.6	72.0-132	
Toluene	10.0	9.38	93.8	79.0-120	
Trichloroethene	10.0	10.7	107	78.0-124	
Trichlorofluoromethane	10.0	11.1	111	59.0-147	
Vinyl acetate	50.0	67.8	136	11.0-160	!
Vinyl chloride	10.0	9.28	92.8	67.0-131	
Xylenes, Total	30.0	30.2	101	79.0-123	
cis-1,2-Dichloroethene	10.0	9.77	97.7	73.0-120	
cis-1,3-Dichloropropene	10.0	10.9	109	80.0-123	
trans-1,2-Dichloroethene	10.0	9.85	98.5	73.0-120	
trans-1,3-Dichloropropene	10.0	10.6	106	78.0-124	
trans-1,4-Dichloro-2-butene	10.0	10.8	108	33.0-144	
(S) 1,2-Dichloroethane-d4			117	70.0-130	
(S) 4-Bromofluorobenzene			105	77.0-126	
(S) Toluene-d8			92.7	80.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4278816-2 09/25/25 12:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Butanone (MEK)	1.28	<u>U</u>	1.28	5.00
(S) 1,2-Dichloroethane-d4	97.9			70.0-130
(S) 4-Bromofluorobenzene	98.4			77.0-126
(S) Toluene-d8	101			80.0-120

Laboratory Control Sample (LCS)

(LCS) R4278816-1 09/25/25 10:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Butanone (MEK)	50.0	52.0	104	44.0-160	
(S) 1,2-Dichloroethane-d4			104	70.0-130	
(S) 4-Bromofluorobenzene			99.9	77.0-126	
(S) Toluene-d8			102	80.0-120	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4276809-1 09/22/25 03:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100

L1898950-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1898950-03 09/22/25 04:36 • (DUP) R4276809-3 09/22/25 04:26

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	0.00240	0.00245	1.02	0.000	<u>U</u>	20

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

(LCS) R4276809-4 09/22/25 06:14 • (LCSD) R4276809-5 09/22/25 08:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.267	0.278	107	111	60.0-140			4.04	20

L1898950-04 Original Sample (OS) • Matrix Spike (MS)

(OS) L1898950-04 09/22/25 04:16 • (MS) R4276809-2 09/22/25 04:06

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.102	0.00252	0.131	128	1.02	64.0-159	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4278557-1 09/25/25 04:41

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	0.00240	<u>U</u>	0.00240	0.0100

L1899752-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1899752-01 09/25/25 05:21 • (DUP) R4278557-3 09/25/25 05:11

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	0.00245	0.00240	1	0.000	<u>U</u>	20

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

(LCS) R4278557-4 09/25/25 07:00 • (LCSD) R4278557-5 09/25/25 09:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.211	0.198	84.4	79.2	60.0-140			6.36	20

L1899752-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1899752-02 09/25/25 05:01 • (MS) R4278557-2 09/25/25 04:51

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.102	0.00242	0.114	112	1.02	64.0-159	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

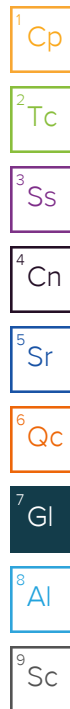
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

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

Qualifier	Description
C5	The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	The value is outside laboratory established criteria.
L	Off-scale high. Actual value is known to be greater than value given.
U	Indicates the compound was analyzed for but not detected above the method detection limit.



ACCREDITATIONS & LOCATIONS

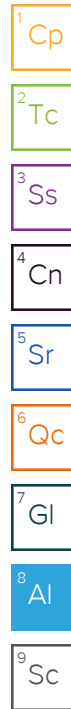
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

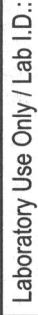
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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



[illegible]

Surface Water, Stormwater and Leachate



Sample I.D.

Purge and Sample Equipment:

Sample Type:	Grab / Composite	(circle one)

Record final stabilized field readings.

Specific Comments:

Date	Name	Signature	Company
____ / ____ / ____	____	____	____
____ / ____ / ____	____	____	____

[illegible]

Sample Condition Upon Receipt Form (SCUR)



Project #
Project Manager:
Client:

Date and Initials of person:

Examining contents: _____

Verifying pH: _____

Thermometer Used: T-440

Date: 9/19/25

Time: 0958

Initials: BLP

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 2.7 (Visual) 10.1 (Correction Factor) 2.8 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for QOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Courier: ☒ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other: _____

Shipping Method: ☐ Standard Overnight ☐ First Overnight ☐ Priority Overnight ☐ Ground ☐ International Priority ☐ Other: _____

Tracking # _____

Custody Seal Present: ☐ Yes ☐ No Seal properly placed and intact: ☐ Yes ☐ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other: _____

Samples shorted to lab: ☐ Yes ☐ No (If yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: ☐ Yes ☐ No Filled Out: ☐ Yes ☐ No ☐ N/A Sampler Name: ☐ Yes ☐ No ☐ N/A		
	Relinquished To Pace: ☐ Yes ☐ No ☐ N/A Sampling Date(s): ☐ Yes ☐ No ☐ N/A Sampling Time(s): ☐ Yes ☐ No ☐ N/A		
Samples Arrived within Hold Time.	☐ Yes ☐ No ☐ N/A	Comments:	
Rush Turnaround Requested on COC.	☐ Yes ☐ No ☐ N/A	Comments:	
Sufficient Volume.	☐ Yes ☐ No ☐ N/A	Comments:	
Correct Containers Used.	☐ Yes ☐ No ☐ N/A	Comments:	
Containers Intact.	☐ Yes ☐ No ☐ N/A	Comments:	
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐ Yes ☐ No ☐ N/A	Comments:	
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☐ N/A	Preservation Information Preservative: _____ Date: _____ Lot / Trace: _____ Time: _____ Amount added (mL): _____ Initials: _____	
All containers needing preservation are found to be in compliance with EPA recommendation:	☐ Yes ☐ No ☐ N/A		
Exceptions: Vials, Microbiology, O&G, PFAS			
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☐ N/A		
Trip Blank Present:	☐ Yes ☐ No ☐ N/A		

Comments / Resolutions (use back for additional comments):

Labeled by: _____

Reviewed by: _____



September 29, 2025

Project Manager
Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122

RE: Project: WG2605878 L1899746
Pace Project No.: 35985178

Dear Project Manager:

Enclosed are the analytical results for sample(s) received by the laboratory on September 19, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Rebecca Selph'.

Rebecca Selph
rebecca.selph@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: Jimmy Huckaba, Pace National
Subout Team, Pace Analytical National



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WG2605878 L1899746

Pace Project No.: 35985178

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

California Certification# 3096

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #:ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Utah

Utah FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

Washington Certification #: C955

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE ANALYTE COUNT

Project: WG2605878 L1899746

Pace Project No.: 35985178

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35985178001	SW-1&2R	SM10200	JH	5	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WG2605878 L1899746

Pace Project No.: 35985178

Sample: SW-1&2R		Lab ID: 35985178001		Collected: 09/18/25 12:15		Received: 09/19/25 09:45		Matrix: Water	
Parameters	Results	Units	PQL	DF	Prepared	Analyzed	CAS No.	Qual	
Chlorophyll & Pheophytin	Analytical Method: SM10200 Preparation Method: SM10200								
	Pace Analytical Services - Ormond Beach								
	Chlorophyll a	7.1J	mg/m3	10.6	1	09/25/25 08:25	09/26/25 14:26	H2,P4	
	Chlorophyll b	2.1U	mg/m3	10.6	1	09/25/25 08:25	09/26/25 14:26	H2,P4	
	Chlorophyll c	2.1U	mg/m3	10.6	1	09/25/25 08:25	09/26/25 14:26	H2,P4	
	Chlorophyll a (Corrected)	6.1J	mg/m3	10.6	1	09/25/25 08:25	09/26/25 14:26	H2,P4	
Pheophytin	2.1U	mg/m3	10.6	1	09/25/25 08:25	09/26/25 14:26	H2,P4		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WG2605878 L1899746

Pace Project No.: 35985178

QC Batch:	1131757	Analysis Method:	SM10200
QC Batch Method:	SM10200	Analysis Description:	Chlorophyll & Pheophytin
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35985178001

METHOD BLANK: 6204119 Matrix: Water

Associated Lab Samples: 35985178001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chlorophyll a	mg/m3	1.0U	5.0	09/26/25 14:26	
Chlorophyll a (Corrected)	mg/m3	1.0U	5.0	09/26/25 14:26	
Chlorophyll b	mg/m3	1.0U	5.0	09/26/25 14:26	
Chlorophyll c	mg/m3	1.0U	5.0	09/26/25 14:26	
Pheophytin	mg/m3	1.0U	5.0	09/26/25 14:26	

LABORATORY CONTROL SAMPLE: 6204120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorophyll a	mg/m3	10	9.6	96	85-115	

SAMPLE DUPLICATE: 6204121

Parameter	Units	35985681001 Result	Dup Result	RPD	Qualifiers
Chlorophyll a	mg/m3	6.2	5.9	4	
Chlorophyll a (Corrected)	mg/m3	4.6J	4.4J		
Chlorophyll b	mg/m3	1.0U	1.0U		
Chlorophyll c	mg/m3	1.0U	1.0U		
Pheophytin	mg/m3	2.3J	2.2J		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: WG2605878 L1899746
Pace Project No.: 35985178

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H2 Extraction or preparation conducted outside EPA method holding time.
P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WG2605878 L1899746
Pace Project No.: 35985178

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35985178001	SW-1&2R	SM10200	1131757	SM10200	1132297

REPORT OF LABORATORY ANALYSIS

Sub-Contract Chain of Custody

Batch Date/Time: 09/22/25 16:52

Sub-Contract Lab: PACEOBFL

Address: 8 East Tower Circle

City/State: Ormond Beach, FL

32174

Contact:

rebecca.selph@pacelabs.com

Owner Lab: PACEMTJL

Address: 12065 Lebanon Rd.

City/State: Mt. Juliet, TN 37122

Phone: (615) 773-9756

Fax: (615) 758-5859

WO: WG2605878

Email: MTJLSuboutTeam@pac

Results Due Date: 09/26/25

ESC Purchase Order #: L1899746

Send Reports to: James C Huckaba

WO# : 35985178



35985178

Sample ID Container ID	Matrix	State	Collect Date	Description	Method	Sample Number Lab Use Only	Sample Comments Lab Use Only
SW-1&2R	GW	FL	09/18/25 12:15	Chlorophyll A (WM)	SM10200	2. L1899746-01	

Relinquished by: _____ Date _____

Received by: AUG A Date 9-19-25 0945

Relinquished by: _____ Date _____

Received by: _____ Date _____

Company Name/Address: North Manatee (NMRDF) 25515 Old Landfill Road Punta Gorda, FL 33980		Billing Information: Jennifer.Briggs@wm.com P.O. Box 4745 WM A/P DEPARTMENT Portland, OR 97208-4745		Chain of Custody Page ____ of ____	
Report to: Liz Foeller		Email To: efoeller@wm.com; rfraser@hsagolden.com; dcor		Analysis / Container / Preservative	
Project Description: North Manatee (NMRDF)-Semiannual Surfacewater FEB		City/State Collected:		- Do not Sample No Temp or Permit	
Phone: 954-557-0581		Client Project # 700		Lab Project # WMNORMANFL-00005	
Collected by (print): Drew Ceru		Site/Facility ID # FL50		P.O. #	
Collected by (signature):		Rush? (Lab MUST Be Notified) Same Day _____ Five Day _____ Next Day _____ 5 Day (Rad Only) _____ Two Day _____ 10 Day (Rad Only) _____ Three Day _____		Quote #	
Immediately Packed on Ice N ____ Y ☒		Date Results Needed		No. of Cntrs	
Sample ID		Comp/Grab		Matrix *	
SW-1&2R		6		GW	
Date: 6/19/24 9:55		Date: 9.18.25 12:15		3	
Relinquished by: (Signature) [Signature]		Date: 6/19/24 9:55		Received by: (Signature) [Signature]	
Relinquished by: (Signature) [Signature]		Date: 9.18.25 12:15		Received by: (Signature) [Signature]	
Relinquished by: (Signature) [Signature]		Date:		Received for: lab by: (Signature) [Signature]	
Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - Waste Water DW - Drinking Water OT - Other		Samples returned via: UPS FedEx Courier		Tracking #	
Remarks: Request IRWO from Pace-National - Profile 10724 - Line 11 Ormond: Chlorophyll A Oldsmar: Fecal Coliform		pH Temp Flow Other		Sample Receipt Checklist COC Seal Present/Intact: NP Y N COC Signed/Accurate: Y N Bottles arrive intact: Y N Correct bottles used: Y N Sufficient volume sent: Y N If Applicable VOA Zero Headspace: Y N Preservation Correct/Checked: Y N RAD Screen <0.5 mR/hr: Y N	
If preservation required by Login: Date/Time		Temp: °C		Hold:	
Condition: NCF / OK		Date:		Time:	

WO#: 35985178

PM: RJS

Due Date: 09/30/25

CLIENT: PACESC

Project #

Project Manager:

Client:

Thermometer Used: T-440

Date: 9/19/25

Time: 0958

Date and Initials of person:

Examining contents: AUT

Verifying pH: 1

Initials: BLP

State of Origin: _____

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 2.7 (Visual) 10.1 (Correction Factor) 2.8 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for QOT $^{\circ}\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Shipping Method: ☐ Standard Overnight ☐ First Overnight ☐ Priority Overnight ☐ Ground ☐ International Priority

☒ Other: Next Day Air

Tracking # 12 XJL 815 01 0113 4257

Custody Seal Present: ☐ Yes ☒ No Seal properly placed and intact: ☐ Yes ☒ No

Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☐ Melted

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other:

Samples shorted to lab: ☐ Yes ☒ No (If yes, complete the following)

Shorted Date: 9-19-25

Shorted Time: 1720

Bottle Quantity / Type: 2 - SP5U 2 - BP44 AUT 9-23

Chain of Custody:	Present: ☒ Yes ☐ No Filled Out: ☒ Yes ☐ No ☐ N/A Sampler Name: ☒ Yes ☐ No ☐ N/A									
	Relinquished To Pace: ☒ Yes ☐ No ☐ N/A Sampling Date(s): ☒ Yes ☐ No ☐ N/A Sampling Time(s): ☒ Yes ☐ No ☐ N/A									
Samples Arrived within Hold Time.	☒ Yes ☐ No ☐ N/A	Comments:								
Rush Turnaround Requested on COC.	☐ Yes ☒ No ☐ N/A	Comments:								
Sufficient Volume.	☒ Yes ☐ No ☐ N/A	Comments:								
Correct Containers Used.	☐ Yes ☒ No ☐ N/A	Comments: Received in SP5U containers.								
Containers Intact.	☒ Yes ☐ No ☐ N/A	Comments:								
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☒ Yes ☐ No ☐ N/A	Comments:								
All containers needing acid / base preservation have been checked.	☐ Yes ☐ No ☒ N/A	<table border="1"><thead><tr><th colspan="2">Preservation Information</th></tr></thead><tbody><tr><td>Preservative: _____</td><td>Date: _____</td></tr><tr><td>Lot / Trace: _____</td><td>Time: _____</td></tr><tr><td>Amount added (mL): _____</td><td>Initials: _____</td></tr></tbody></table>	Preservation Information		Preservative: _____	Date: _____	Lot / Trace: _____	Time: _____	Amount added (mL): _____	Initials: _____
Preservation Information										
Preservative: _____	Date: _____									
Lot / Trace: _____	Time: _____									
Amount added (mL): _____	Initials: _____									
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes ☐ No ☒ N/A									
Exceptions: Vials, Microbiology, O&G, PFAS										
Headspace in Volatile Vials? (>6mm):	☐ Yes ☐ No ☒ N/A									
Trip Blank Present:	☐ Yes ☐ No ☒ N/A									

Comments / Resolutions (use back for additional comments):

Labeled by: _____

Reviewed by: AUT

Atlantic Coast Consulting, Inc.
11545 Wills Road, Ste 100
Alpharetta, Georgia 30009
(770) 594-5998

DEPTH TO WATER MEASUREMENTS

FACILITY: NORTH MANATEE

DATE: 8-21-25

BW-1S	4.47
BW-1D	4.64
BW-2S	3.20
BW-2D	3.21
BW-3SR	7.04
BW-3D	6.90
BW-4S	4.89
BW-4D	4.76
BW-5S	5.48
BW-5D	5.38
DW-1SR	8.39
DW-2SR	8.17
DW-3SR	8.08
DW-4SR	7.43
DW-5S	9.04
UG-(	COULD NOT LOCATE

[illegible]



WELL CONDITION SUMMARY

Site: NORTH MANATEE

Personnel: DANNY ARMOUR

Date: 8-21-25

Page 1 of 1

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	General Turbidity	Well Yield	Comments/Observations *
BW-1S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	DEDICATED BLADDER PUMP	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-2S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-3SR	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-4S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
BW-5S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-1SR	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-2SR	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-3SR	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-4SR	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	
DW-5S	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	"	☒ Clear ☐ Turbid	☒ OK ☐ Inadequate	

* Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
Return this form to site manager and/or Compliance Manager/Engineer

Daily Instrument Calibration Log

SITE: NORTH MANATEE
TECHNICIAN: DANNY ARMOUR

WATER LEVEL: Solinst
WATER LEVEL S/N: 377053

INSTRUMENT TYPE: HORIBA U-52: Multi Paramater Meter
INSTRUMENT S/N: JY0PKR25
CAL. SOLUTION: PINE ENV. LOT # 3401250 EXP. DATE: 11-2025

INSTRUMENT TYPE: Hach 2100Q: Turbidity Meter
INSTRUMENT S/N: 171206063767
0 NTU - LOT # New DI water 10 NTU - LOT # A4172
20 NTU - LOT # A4183 100 NTU - LOT # A4179

Horiba Calibrations

Calibration Date: 8-21-25

PH: 4.0 =	<u>4.01</u>	STANDARD UNITS
CONDUCTIVITY: 4.49 =	<u>4.50</u>	mS/CM
TURBIDITY: 0.0 =	<u>0.0</u>	NTU
TEMPERATURE:	<u>24.9</u>	DEGREES CELSIUS
DIS. OXYGEN	<u>8.95</u>	

Hach Calibrations

Calibration Solution	Instrument Reading	
0.0	<u>0.00</u>	NTU
10.0	<u>9.98</u>	NTU
20.0	<u>20.0</u>	NTU
100.0	<u>99.8</u>	NTU

Calibration Date: 8-22-25

PH: 4.0 =	<u>4.00</u>	STANDARD UNITS
CONDUCTIVITY: 4.49 =	<u>4.49</u>	mS/CM
TURBIDITY: 0.0 =	<u>0.0</u>	NTU
TEMPERATURE:	<u>24.6</u>	DEGREES CELSIUS
DIS. OXYGEN	<u>8.97</u>	

Calibration Solution	Instrument Reading	
0.0	<u>0.00</u>	NTU
10.0	<u>10.0</u>	NTU
20.0	<u>19.97</u>	NTU
100.0	<u>99.6</u>	NTU

Calibration Date:

PH: 4.0 =		STANDARD UNITS
CONDUCTIVITY: 4.49 =		mS/CM
TURBIDITY: 0.0 =		NTU
TEMPERATURE:		DEGREES CELSIUS
DIS. OXYGEN		

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU
100.0		NTU

Calibration Date:

PH: 4.0 =		STANDARD UNITS
CONDUCTIVITY: 4.49 =		mS/CM
TURBIDITY: 0.0 =		NTU
TEMPERATURE:		DEGREES CELSIUS
DIS. OXYGEN		

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU
100.0		NTU

Calibration Date:

PH: 4.0 =		STANDARD UNITS
CONDUCTIVITY: 4.49 =		mS/CM
TURBIDITY: 0.0 =		NTU
TEMPERATURE:		DEGREES CELSIUS
DIS. OXYGEN		

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU
100.0		NTU

APPENDIX D
REPORT IN .PDF FORMAT
AND
ADaPT FILE

APPENDIX E

STATISTICAL EVALUATION REPORT

**Results of the Ground Water Statistics
for North Manatee Recycling & Disposal Facility**

Second Semi-Annual Monitoring Event in 2025

Prepared for:
North Manatee Recycling & Disposal Facility
14155 County Road 39
Duette, FL

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, L.L.C.
Elgin, IL
(847) 464-1355

September 2025

INTRODUCTION

This report contains the results of the statistical analyses used to evaluate the ground water data obtained during the second semi-annual monitoring event in 2025 at North Manatee Recycling and Disposal Facility. The ground water at North Manatee RDF is monitored by background wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S and compliance wells DW-1SR, DW-2SR, DW-3SR, DW-4SR, and DW-5SR. Monitoring wells BW-1S, BW-2S, BW-3SR, BW-4S, BW-5S, DW-1SR, DW-2SR, DW-3SR, DW-4SR, and DW-5SR were sampled on August 21-22, 2025 and analyzed for the parameters required by permit.

The statistical plan is designed to detect a release from the facility at the earliest indication so that it is protective of human health and the environment. Both interwell and intrawell methodologies are described and then applied to the North Manatee RDF data. The statistical plan prepared by Dr. Robert Gibbons conforms with the Coal Combustion Residual (CCR) rule (40 CFR 257), USEPA Guidance document (*“Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Unified Guidance”*, March 2009), and the American Society for Testing and Materials (ASTM) standard D6312-98, *Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs*.

Ground Water Monitoring Program

The groundwater monitoring network for North Manatee RDF includes upgradient wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S and compliance wells DW-1SR, DW-2SR, DW-3SR, and DW-4SR. Each of the groundwater monitoring wells is to be sampled at least semiannually and analyzed for the detection monitoring parameters listed in Appendix III and Appendix IV of 40 CFR Part 257.

Appendix III to Part 257 – Constituents for Detection Monitoring

Boron
Calcium
Chloride
Fluoride
pH
Sulfate
Total Dissolved Solids

Appendix IV to Part 257 – Constituents for Assessment Monitoring

Antimony	Lead
Arsenic	Lithium
Barium	Mercury
Beryllium	Molybdenum
Cadmium	Selenium
Chromium	Thallium
Cobalt	
Fluoride	

The ground water data obtained during the second semi-annual monitoring event in 2025 are summarized in Attachment A.

STATISTICAL METHODOLOGIES FOR DETECTION MONITORING

The CCR rule for statistical analysis provides several options for evaluating the ground water data. The preferred methods for comparing ground water data are using either prediction limits or using control charts. Both of these methods were applied to the North Manatee RDF data using the DUMPStat® statistical program. DUMPStat® is a program for the statistical analysis of groundwater monitoring data using methods described in “Statistical Methods for Groundwater Monitoring” by Dr. Robert D. Gibbons. Ground water statistics are to be done on the trace metals and inorganic constituents listed above.

Interwell Statistics: Upgradient versus Downgradient Comparisons

Interwell statistics are appropriate when the upgradient and downgradient wells monitor the same ground water formation and there is similar variability in the upgradient and downgradient zones. Site prediction limits are determined by pooling the historical ground water data from hydraulically upgradient wells. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. The type of prediction limit utilized (e.g., parametric or nonparametric) is based on the detection frequency and the data distribution of each parameter in the background data. The distribution of the background data is tested for normality using the Shapiro-Wilk test (Gibbons, 1994 and USEPA 1992). If the constituent is normally distributed, a normal prediction limit is used. If normality is rejected by the Shapiro-Wilk test, the background data is transformed by taking the natural logarithm. The Shapiro-Wilk test is then reapplied on the transformed data. If it is not rejected, lognormal prediction limits are used. If after transforming the data, normality is still rejected, nonparametric prediction limits are used for that analyte. The nonparametric prediction limit is the largest determination in the background measurements. For constituents where the background detection frequency is greater than 0% but less than 50%, nonparametric prediction limits will be used. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

Results of the Interwell Statistics

The background data used in this statistical analysis includes the ground water data collected from ground water wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S during the period from 2011 through the current data. A summary of the background data from monitoring wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S is listed in Attachment B, Table 1 “Upgradient Data”. This statistical method compares the current downgradient determinations to site prediction limits and checks for exceedances. Table 2 “Most Current Downgradient Monitoring Data”, summarizes the current data from downgradient wells DW-1SR, DW-2SR, DW-3SR, and DW-4SR, compared to the site prediction limits. Prediction limit exceedances are flagged with asterisks. For the most current data, there were no site prediction limit exceedances detected.

The detection frequencies of the parameters in the up and down gradient monitoring wells are summarized in Table 3. Table 4 summarizes the results of the Shapiro-Wilk test. Table 5 is a summary of the statistics and prediction limits determined for the metals. Time series graphs of each of the parameters at each well with the corresponding prediction limits are attached.

A statistical power curve indicates the expected false assessments for the site as a whole. The false positive rate for interwell analyses is the percentage of failures when the upgradient versus downgradient true mean

difference equals zero. False negative rate indicates the chance of missing contamination at a single well for a single constituent. The statistical power is a function of the number of wells included, the number of constituents compared, the detection frequencies, and the data distributions involved. For interwell analysis, the site-wide false positive rate is <1% and the test becomes sensitive to 4 standard deviation unit increases over background.

Intrawell statistics

Intrawell statistics are appropriate for facilities where the upgradient wells do not accurately characterize the natural ground water conditions downgradient from the facility. This may be due to different hydrogeological conditions where the wells are screened, having too few upgradient wells to account for the spatial variability, or the site exhibiting no definable hydraulic gradient. Intrawell statistics compare new measurements to the historical data at each ground water monitoring well independently. It is recommended that at least eight background samples be obtained prior to performing the statistics.

The most useful technique for intrawell comparisons is the combined Shewhart-CUSUM control chart. This control chart procedure is useful because it will detect releases both in terms of the constituent concentration and cumulative increases. This method is also extremely sensitive to sudden and gradual releases. A requirement for constructing these control charts is that the parameter is detected at a frequency greater than or equal to 25%, otherwise the data variance is not properly defined.

The combined Shewhart-CUSUM control chart assumes that the data are independent and normally distributed with a fixed mean and a constant variance. Independent data is much more critical than the normality assumption. To achieve independence, it is recommended that data are collected no more frequently than quarterly to account for seasonal variation. The combined Shewhart-CUSUM control chart is extremely robust to deviations from normality. Because the control charts do not use a specific multiplier based on a normal distribution, it is more conservative to assume normality.

It is recommended that at least eight rounds of data be available to provide a reliable estimate of the mean and standard deviation of the parameter concentration, although the control charts will be generated with as few as four data points. Having only four data points may produce greater uncertainty in the mean and standard deviation of the background data, leading to higher control limits, thus having a potentially high false negative rate.

Many groundwater monitoring parameters are not detected at a frequency great enough to generate the combined Shewhart-CUSUM control charts. For constituents that are detected less than 25% of the time at a particular well, the data should be plotted as a time series until a sufficient number of data points are available to provide a 99% confidence nonparametric prediction limit. Thirteen independent measurements (with 1 resample) are necessary to achieve a 99% confidence (1% false positive rate) nonparametric prediction limit. Eight independent measurements (for pass 1 of 2 resamples) are necessary to achieve a 99% confidence nonparametric prediction limit. The nonparametric prediction limit is the largest determination out of the data set collected for that well and parameter. If the detection frequency is 0% after thirteen samples have been collected, the practical quantitation limit (PQL) becomes the nonparametric prediction limit.

In developing the statistical background, the historical data must be thoroughly screened for anomalous data due to sampling error, analytical error, or simply by chance alone. An erroneous data point, if not removed prior to the mean and variance computations, would yield a larger control limit thus increasing the false negative rate. The DUMPStat® program screens for outliers using the Dixon test. Anomalous data will still be plotted on the graphs (with a unique symbol) but will not be included in the calculations.

The verification resample plan is an integral function of the statistical plan to reduce the probability that anomalous data obtained after the background has been established, is indicative of a landfill release.

The background data for each well and constituent is tested for existing trends using Sen's nonparametric estimate of trend. If contamination exists prior to completing the background, the control limits could be potentially high and this control chart method would not be able to detect an increasing trend unless the increase is severe.

Results of the Intrawell Statistics

The Appendix III and Appendix IV parameter data from wells DW-1SR, DW-2SR, DW-3SR, and DW-4SR were evaluated using the combined Shewhart-CUSUM control chart method. The previous background included historical data obtained from 2014 through 2019 for all wells. As ground water monitoring at a facility proceeds, it is recommended to update background data sets periodically with valid detection monitoring results that are representative of background groundwater quality not affected by leakage from a monitored unit. Failure to update background will exclude factors such as natural temporal variation, changes in field or laboratory methodologies, and changes in the water table due to meteorological conditions or other influences. Ongoing operations at a facility such as excavations or drainage control may affect the ground water flow direction and water quality. An increase in the number of statistical failures, not related to the landfill, is routinely observed for sites neglecting to update the statistical background with valid data points. Since there were no previous exceedances attributed to the facility, the background for each well was updated to include data collected through 2021.

A summary of the intrawell statistics is included in Attachment C, Table 1 “Summary Statistics and Intermediate Computations for Combined Shewhart-CUSUM Control Charts.” The control charts or time series graphs follow the summary table. For the parameters evaluated, the control limit exceedances detected are summarized in the table below.

Summary of Control Limit Exceedances Detected During the Second Semi-Annual Monitoring Period in 2025.

Well	Parameter	Result	CUSUM Value	Control limit	Control Limit Type	Verified/Awaiting Verification
DW-1SR	pH, SU	5.54	6.4337	3.56 - 6.22	Normal	Verified
DW-2SR	pH, SU	6.01	7.4443	1.98 - 6.70	Normal	Verified
DW-3SR	pH, SU	5.63	6.8500	2.90 - 6.18	Normal	Verified
DW-4SR	Calcium, mg/L	38.4	69.7378	57.0483	Normal	Awaiting Verification
	pH, SU	6.04	7.0000	3.45 - 6.41	Normal	Verified

No increasing trends were detected in the background data.

A control chart factor was selected to provide a balance of the site-wide false positive and false negative rates. A statistical power curve indicates the expected false assessments for the site as a whole. The site-wide false positive rate is 2% and the test becomes sensitive to 4 standard deviation units over background.

CONCLUSIONS

This document describes a comprehensive statistical plan designated for the North Manatee RDF. The groundwater monitoring network for North Manatee RDF includes upgradient wells BW-1S, BW-2S, BW-3SR, BW-4S, and BW-5S and compliance wells DW-1SR, DW-2SR, DW-3SR, and DW-4S. Each of the groundwater monitoring wells is to be sampled and analyzed for the detection monitoring parameters listed in Appendix III and Appendix IV of 40 CFR Part 257. The ground water data was compared to background using prediction limits (interwell) and using control charts (intra well). For the most current data, there were no site prediction limit exceedances detected. Using intra well comparisons, there are verified control limit exceedances detected for pH at DW-1SR, pH at DW-2SR, pH at DW-3SR, and pH at DW-4SR. Additionally, there is a control limit exceedance detected for calcium at DW-4SR awaiting verification.

Attachment A

Ground Water Data obtained during the Second Semi-Annual Monitoring Event in 2025

Table 1

Analytical Data Summary for 8/21/2025 to 8/22/2025

Constituents	Units	BW-1S	BW-2S	BW-3SR	BW-4S	BW-5S	DW-1SR	DW-2SR	DW-3SR	DW-4SR	DW-5SR
1,1,1,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-trichloropropane	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-dibromo-3-chloropropane (dbcp)	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-dibromoethane (edb)	ug/L	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02
1,2-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,4-dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2-hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Acrylonitrile	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Ammonia	mg/L	.108	.198	.777	.282	<.100	<.100	<.100	<.100	.510	.255
Antimony	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Arsenic	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Barium	ug/L	<10.0	15.5	10.4	29.5	<10.0	<10.0	<10.0	<10.0	<10.0	17.5
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Boron	ug/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Cadmium	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Calcium	mg/L	30.9	28.0	28.4	11.7	15.5	15.7	17.7	69.5	38.4	
Carbon disulfide	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloride	mg/L	37.40	14.10	47.20	9.42	4.62	3.09	<3.00	<3.00	<3.00	3.66
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chromium	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cis-1,2-dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cis-1,3-dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Cobalt	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Copper	ug/L	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dissolved oxygen (field)	mg/L	.5	.4	.5	.7	.9	1.6	.8	.7	.8	.5
eH/ORP	mV	-8	-17	16	83	105	107	104	141	57	126
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Fluoride	mg/L	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Groundwater elevation	ft/msl	121.93	122.21	123.36	124.57	122.07	119.78	119.93	119.57	120.61	
Iodomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iron	ug/L	2430	1680	655	1480	<100	<100	<100	<100	289	491
Lead	ug/L	<9	<9	<9	<9	<9	<9	<9	<9	<9	<9
Lithium	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Mercury	ug/L	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Methyl ethyl ketone	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6

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

Table 1

Analytical Data Summary for 8/21/2025 to 8/22/2025

Constituents	Units	BW-1S	BW-2S	BW-3SR	BW-4S	BW-5S	DW-1SR	DW-2SR	DW-3SR	DW-4SR	DW-5SR
Methyl isobutyl ketone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Nickel	ug/L	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
Nitrate, nitrogen	mg/L	<.50	<.50	<.50	<.50	<.50	1.12	<.50	<.50	<.50	<.50
Nitrate-nitrite (as n)	mg/L			<.100	<.100	.119					
pH (Field)	S.U.	5.50	5.79	5.59	4.83	5.98	5.54	6.01	5.63	6.04	4.99
Radium-226	pCi/L	<1.0	<1.0	<1.0	12.3	<1.0	<1.0	<1.0	<1.0	1.6	
Radium-228	pCi/L	<1.00	<1.00	1.29	6.11	<1.00	<1.00	<1.00	<1.00	1.45	
Residue, filterable (tds)	mg/L	289	145	222	214	95	95	78	266	200	100
Selenium	ug/L	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Silver	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sodium	mg/L	13.60	6.80	11.00	31.20	2.48	1.42	<1.00	1.55	2.72	3.27
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Sulfate	mg/L	49.20	<5.00	35.90	102.00	5.64	9.86	<5.00	106.00	7.17	
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Thallium	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total xylenes	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Trans-1,2-dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trans-1,3-dichloropropene	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trans-1,4-dichloro-2-butene	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Turbidity (field)	NTU	4.31	2.77	1.65	2.70	4.63	4.63	4.82	4.50	4.64	4.22
Vanadium	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	16.4	15.7	16.2	<10.0	<10.0
Vinyl acetate	ug/L	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Water temperature (field)	degrees C	27.1	26.9	30.0	29.3	29.1	29.9	30.8	30.9	31.1	29.6
Zinc	ug/L	<20	<20	<20	<20	<20	74	<20	<20	<20	<20

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

Attachment B

Summary Tables and Graphs for the Interwell Comparisons

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	BW-1S	10/05/2011	ND	2.0000		
Antimony	ug/L	BW-1S	02/14/2012	ND	2.0000		
Antimony	ug/L	BW-1S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-1S	02/14/2013	ND	2.0000		
Antimony	ug/L	BW-1S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-1S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-1S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-1S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-1S	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-1S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-1S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-1S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-1S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-1S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-1S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-1S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-1S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-1S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-1S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-1S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-1S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-1S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-1S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-1S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-1S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-1S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-1S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-1S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-1S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-1S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-1S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-1S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-1S	08/22/2025	ND	2.0000		
Antimony	ug/L	BW-2S	10/05/2011	ND	2.0000		
Antimony	ug/L	BW-2S	02/14/2012	ND	2.0000		
Antimony	ug/L	BW-2S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-2S	02/14/2013	ND	2.0000		
Antimony	ug/L	BW-2S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-2S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-2S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-2S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-2S	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-2S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-2S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-2S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-2S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-2S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-2S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-2S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-2S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-2S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-2S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-2S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-2S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-2S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-2S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-2S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-2S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-2S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-2S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-2S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-2S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-2S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-2S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-2S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-2S	08/22/2025	ND	2.0000		
Antimony	ug/L	BW-3SR	02/15/2012	ND	2.0000		
Antimony	ug/L	BW-3SR	08/16/2012	ND	2.0000		
Antimony	ug/L	BW-3SR	02/15/2013	ND	2.0000		
Antimony	ug/L	BW-3SR	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-3SR	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-3SR	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-3SR	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-3SR	12/17/2015	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	BW-3SR	02/16/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	11/03/2016	ND	2.0000		
Antimony	ug/L	BW-3SR	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-3SR	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-3SR	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-3SR	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-3SR	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-3SR	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-3SR	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-3SR	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-3SR	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-3SR	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-3SR	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-3SR	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-3SR	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-3SR	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-3SR	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-3SR	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-3SR	08/21/2025	ND	2.0000		
Antimony	ug/L	BW-4S	10/04/2011	ND	2.0000		
Antimony	ug/L	BW-4S	02/13/2012	ND	2.0000		
Antimony	ug/L	BW-4S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-4S	02/15/2013	ND	2.0000		
Antimony	ug/L	BW-4S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-4S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-4S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-4S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-4S	12/17/2015	ND	2.0000		
Antimony	ug/L	BW-4S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-4S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-4S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-4S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-4S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-4S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-4S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-4S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-4S	02/08/2018	ND	2.0000		
Antimony	ug/L	BW-4S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-4S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-4S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-4S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-4S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-4S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-4S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-4S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-4S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-4S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-4S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-4S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-4S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-4S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-4S	08/21/2025	ND	2.0000		
Antimony	ug/L	BW-5S	10/04/2011	ND	2.0000		
Antimony	ug/L	BW-5S	02/15/2012	ND	2.0000		
Antimony	ug/L	BW-5S	08/15/2012	ND	2.0000		
Antimony	ug/L	BW-5S	02/15/2013	ND	2.0000		
Antimony	ug/L	BW-5S	08/21/2013	ND	2.0000		
Antimony	ug/L	BW-5S	08/27/2014	ND	2.0000		
Antimony	ug/L	BW-5S	02/13/2015	ND	2.0000		
Antimony	ug/L	BW-5S	08/17/2015	ND	2.0000		
Antimony	ug/L	BW-5S	02/15/2016	ND	2.0000		
Antimony	ug/L	BW-5S	05/05/2016	ND	2.0000		
Antimony	ug/L	BW-5S	08/04/2016	ND	2.0000		
Antimony	ug/L	BW-5S	11/02/2016	ND	2.0000		
Antimony	ug/L	BW-5S	02/13/2017	ND	2.0000		
Antimony	ug/L	BW-5S	05/03/2017	ND	2.0000		
Antimony	ug/L	BW-5S	08/16/2017	ND	2.0000		
Antimony	ug/L	BW-5S	11/07/2017	ND	2.0000		
Antimony	ug/L	BW-5S	02/08/2018	ND	2.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Antimony	ug/L	BW-5S	08/23/2018	ND	2.0000		
Antimony	ug/L	BW-5S	02/08/2019	ND	2.0000		
Antimony	ug/L	BW-5S	08/27/2019	ND	2.0000		
Antimony	ug/L	BW-5S	02/11/2020	ND	2.0000		
Antimony	ug/L	BW-5S	08/24/2020	ND	2.0000		
Antimony	ug/L	BW-5S	02/08/2021	ND	2.0000		
Antimony	ug/L	BW-5S	08/20/2021	ND	2.0000		
Antimony	ug/L	BW-5S	02/10/2022	ND	2.0000		
Antimony	ug/L	BW-5S	08/16/2022	ND	2.0000		
Antimony	ug/L	BW-5S	02/10/2023	ND	2.0000		
Antimony	ug/L	BW-5S	08/17/2023	ND	2.0000		
Antimony	ug/L	BW-5S	02/09/2024	ND	2.0000		
Antimony	ug/L	BW-5S	08/21/2024	ND	2.0000		
Antimony	ug/L	BW-5S	02/10/2025	ND	2.0000		
Antimony	ug/L	BW-5S	08/21/2025	ND	2.0000		
Arsenic	ug/L	BW-1S	10/05/2011	ND	5.0000		
Arsenic	ug/L	BW-1S	02/14/2012	ND	5.0000		
Arsenic	ug/L	BW-1S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-1S	02/14/2013	ND	5.0000		
Arsenic	ug/L	BW-1S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-1S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-1S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-1S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-1S	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-1S	02/15/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-1S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-1S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-1S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-1S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-1S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-1S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-1S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-1S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-1S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-1S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-1S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-1S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-1S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-1S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-1S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-1S	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-1S	08/22/2025	ND	5.0000		
Arsenic	ug/L	BW-2S	10/05/2011	ND	5.0000		
Arsenic	ug/L	BW-2S	02/14/2012	ND	5.0000		
Arsenic	ug/L	BW-2S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-2S	02/14/2013	ND	5.0000		
Arsenic	ug/L	BW-2S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-2S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-2S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-2S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-2S	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-2S	02/15/2016		5.3000		
Arsenic	ug/L	BW-2S	05/05/2016		7.6000		
Arsenic	ug/L	BW-2S	08/04/2016		7.8000		
Arsenic	ug/L	BW-2S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-2S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-2S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-2S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-2S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-2S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-2S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-2S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-2S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-2S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-2S	02/10/2022	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic	ug/L	BW-2S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-2S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-2S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-2S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-2S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-2S	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-2S	08/22/2025	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/15/2012	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/16/2012	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/15/2013	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-3SR	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/16/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	11/03/2016	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-3SR	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-3SR	08/21/2025	ND	5.0000		
Arsenic	ug/L	BW-4S	10/04/2011	ND	5.0000		
Arsenic	ug/L	BW-4S	02/13/2012	ND	5.0000		
Arsenic	ug/L	BW-4S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-4S	02/15/2013	ND	5.0000		
Arsenic	ug/L	BW-4S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-4S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-4S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-4S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-4S	12/17/2015	ND	5.0000		
Arsenic	ug/L	BW-4S	02/15/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-4S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-4S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-4S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-4S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-4S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-4S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-4S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-4S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-4S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-4S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-4S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-4S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-4S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-4S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-4S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-4S	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-4S	08/21/2025	ND	5.0000		
Arsenic	ug/L	BW-5S	10/04/2011	ND	5.0000		
Arsenic	ug/L	BW-5S	02/15/2012	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Arsenic	ug/L	BW-5S	08/15/2012	ND	5.0000		
Arsenic	ug/L	BW-5S	02/15/2013	ND	5.0000		
Arsenic	ug/L	BW-5S	08/21/2013	ND	5.0000		
Arsenic	ug/L	BW-5S	08/27/2014	ND	5.0000		
Arsenic	ug/L	BW-5S	02/13/2015	ND	5.0000		
Arsenic	ug/L	BW-5S	08/17/2015	ND	5.0000		
Arsenic	ug/L	BW-5S	02/15/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	05/05/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	08/04/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	11/02/2016	ND	5.0000		
Arsenic	ug/L	BW-5S	02/13/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	05/03/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	08/16/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	11/07/2017	ND	5.0000		
Arsenic	ug/L	BW-5S	02/08/2018	ND	5.0000		
Arsenic	ug/L	BW-5S	08/23/2018	ND	5.0000		
Arsenic	ug/L	BW-5S	02/08/2019	ND	5.0000		
Arsenic	ug/L	BW-5S	08/27/2019	ND	5.0000		
Arsenic	ug/L	BW-5S	02/11/2020	ND	5.0000		
Arsenic	ug/L	BW-5S	08/24/2020	ND	5.0000		
Arsenic	ug/L	BW-5S	02/08/2021	ND	5.0000		
Arsenic	ug/L	BW-5S	08/20/2021	ND	5.0000		
Arsenic	ug/L	BW-5S	02/10/2022	ND	5.0000		
Arsenic	ug/L	BW-5S	08/16/2022	ND	5.0000		
Arsenic	ug/L	BW-5S	02/10/2023	ND	5.0000		
Arsenic	ug/L	BW-5S	08/17/2023	ND	5.0000		
Arsenic	ug/L	BW-5S	02/09/2024	ND	5.0000		
Arsenic	ug/L	BW-5S	08/21/2024	ND	5.0000		
Arsenic	ug/L	BW-5S	02/10/2025	ND	5.0000		
Arsenic	ug/L	BW-5S	08/21/2025	ND	5.0000		
Barium	ug/L	BW-1S	10/05/2011		11.0000		
Barium	ug/L	BW-1S	02/14/2012		13.0000		
Barium	ug/L	BW-1S	08/15/2012	ND	10.0000		
Barium	ug/L	BW-1S	02/14/2013	ND	10.0000		
Barium	ug/L	BW-1S	08/21/2013	ND	10.0000		
Barium	ug/L	BW-1S	08/27/2014	ND	10.0000		
Barium	ug/L	BW-1S	02/13/2015	ND	10.0000		
Barium	ug/L	BW-1S	08/17/2015	ND	10.0000		
Barium	ug/L	BW-1S	12/17/2015	ND	10.0000		
Barium	ug/L	BW-1S	02/15/2016	ND	10.0000		
Barium	ug/L	BW-1S	05/05/2016	ND	10.0000		
Barium	ug/L	BW-1S	08/04/2016	ND	10.0000		
Barium	ug/L	BW-1S	11/02/2016	ND	10.0000		
Barium	ug/L	BW-1S	02/13/2017	ND	10.0000		
Barium	ug/L	BW-1S	05/03/2017	ND	10.0000		
Barium	ug/L	BW-1S	08/16/2017	ND	10.0000		
Barium	ug/L	BW-1S	11/07/2017	ND	10.0000		
Barium	ug/L	BW-1S	02/08/2018	ND	10.0000		
Barium	ug/L	BW-1S	08/23/2018	ND	10.0000		
Barium	ug/L	BW-1S	02/08/2019	ND	10.0000		
Barium	ug/L	BW-1S	08/27/2019	ND	10.0000		
Barium	ug/L	BW-1S	02/11/2020	ND	10.0000		
Barium	ug/L	BW-1S	08/24/2020	ND	10.0000		
Barium	ug/L	BW-1S	02/08/2021	ND	10.0000		
Barium	ug/L	BW-1S	08/20/2021	ND	10.0000		
Barium	ug/L	BW-1S	02/10/2022	ND	10.0000		
Barium	ug/L	BW-1S	08/16/2022	ND	10.0000		
Barium	ug/L	BW-1S	02/10/2023		10.6000		
Barium	ug/L	BW-1S	08/17/2023	ND	10.0000		
Barium	ug/L	BW-1S	02/09/2024	ND	10.0000		
Barium	ug/L	BW-1S	08/21/2024	ND	10.0000		
Barium	ug/L	BW-1S	02/10/2025	ND	10.0000		
Barium	ug/L	BW-1S	08/22/2025	ND	10.0000		
Barium	ug/L	BW-2S	10/05/2011		14.0000		
Barium	ug/L	BW-2S	02/14/2012		13.0000		
Barium	ug/L	BW-2S	08/15/2012		21.0000		
Barium	ug/L	BW-2S	02/14/2013		15.0000		
Barium	ug/L	BW-2S	08/21/2013		12.0000		
Barium	ug/L	BW-2S	08/27/2014	ND	10.0000		
Barium	ug/L	BW-2S	02/13/2015	ND	10.0000		
Barium	ug/L	BW-2S	08/17/2015		12.0000		
Barium	ug/L	BW-2S	12/17/2015	ND	10.0000		
Barium	ug/L	BW-2S	02/15/2016	ND	10.0000		
Barium	ug/L	BW-2S	05/05/2016	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium	ug/L	BW-2S	08/04/2016	ND	10.0000		
Barium	ug/L	BW-2S	11/02/2016	ND	10.0000		
Barium	ug/L	BW-2S	02/13/2017	ND	10.0000		
Barium	ug/L	BW-2S	05/03/2017	ND	10.0000		
Barium	ug/L	BW-2S	08/16/2017		11.0000		
Barium	ug/L	BW-2S	11/07/2017	ND	10.0000		
Barium	ug/L	BW-2S	02/08/2018	ND	10.0000		
Barium	ug/L	BW-2S	08/23/2018		11.0000		
Barium	ug/L	BW-2S	02/08/2019	ND	10.0000		
Barium	ug/L	BW-2S	08/27/2019	ND	10.0000		
Barium	ug/L	BW-2S	02/11/2020	ND	10.0000		
Barium	ug/L	BW-2S	08/24/2020		16.5000		
Barium	ug/L	BW-2S	02/08/2021	ND	10.0000		
Barium	ug/L	BW-2S	08/20/2021		15.4000		
Barium	ug/L	BW-2S	02/10/2022	ND	10.0000		
Barium	ug/L	BW-2S	08/16/2022		13.0000		
Barium	ug/L	BW-2S	02/10/2023		10.9000		
Barium	ug/L	BW-2S	08/17/2023		11.2000		
Barium	ug/L	BW-2S	02/09/2024	ND	10.0000		
Barium	ug/L	BW-2S	08/21/2024	ND	10.0000		
Barium	ug/L	BW-2S	02/10/2025	ND	10.0000		
Barium	ug/L	BW-2S	08/22/2025		15.5000		
Barium	ug/L	BW-3SR	02/15/2012		13.0000		
Barium	ug/L	BW-3SR	08/16/2012		11.0000		
Barium	ug/L	BW-3SR	02/15/2013		13.0000		
Barium	ug/L	BW-3SR	08/21/2013		13.0000		
Barium	ug/L	BW-3SR	08/27/2014		13.0000		
Barium	ug/L	BW-3SR	02/13/2015	ND	10.0000		
Barium	ug/L	BW-3SR	08/17/2015	ND	10.0000		
Barium	ug/L	BW-3SR	12/17/2015	ND	10.0000		
Barium	ug/L	BW-3SR	02/16/2016		18.0000		
Barium	ug/L	BW-3SR	05/05/2016	ND	10.0000		
Barium	ug/L	BW-3SR	08/04/2016	ND	10.0000		
Barium	ug/L	BW-3SR	11/03/2016	ND	10.0000		
Barium	ug/L	BW-3SR	02/13/2017	ND	10.0000		
Barium	ug/L	BW-3SR	05/03/2017		16.0000		
Barium	ug/L	BW-3SR	08/16/2017	ND	10.0000		
Barium	ug/L	BW-3SR	11/07/2017	ND	10.0000		
Barium	ug/L	BW-3SR	02/08/2018	ND	10.0000		
Barium	ug/L	BW-3SR	08/23/2018	ND	10.0000		
Barium	ug/L	BW-3SR	02/08/2019		12.0000		
Barium	ug/L	BW-3SR	08/27/2019		19.0000		
Barium	ug/L	BW-3SR	02/11/2020		11.0000		
Barium	ug/L	BW-3SR	08/24/2020	ND	10.0000		
Barium	ug/L	BW-3SR	02/08/2021	ND	10.0000		
Barium	ug/L	BW-3SR	08/20/2021		25.3000		
Barium	ug/L	BW-3SR	02/10/2022	ND	10.0000		
Barium	ug/L	BW-3SR	08/16/2022	ND	10.0000		
Barium	ug/L	BW-3SR	02/10/2023		10.1000		
Barium	ug/L	BW-3SR	08/17/2023	ND	10.0000		
Barium	ug/L	BW-3SR	02/09/2024	ND	10.0000		
Barium	ug/L	BW-3SR	08/21/2024	ND	10.0000		
Barium	ug/L	BW-3SR	02/10/2025		10.1000		
Barium	ug/L	BW-3SR	08/21/2025		10.4000		
Barium	ug/L	BW-4S	10/04/2011		93.0000		
Barium	ug/L	BW-4S	02/13/2012		67.0000		
Barium	ug/L	BW-4S	08/15/2012		100.0000		
Barium	ug/L	BW-4S	02/15/2013		87.0000		
Barium	ug/L	BW-4S	08/21/2013		57.0000		
Barium	ug/L	BW-4S	08/27/2014		68.0000		
Barium	ug/L	BW-4S	02/13/2015		49.0000		
Barium	ug/L	BW-4S	08/17/2015		64.0000		
Barium	ug/L	BW-4S	12/17/2015		47.0000		
Barium	ug/L	BW-4S	02/15/2016		28.0000		
Barium	ug/L	BW-4S	05/05/2016		16.0000		
Barium	ug/L	BW-4S	08/04/2016		46.0000		
Barium	ug/L	BW-4S	11/02/2016		24.0000		
Barium	ug/L	BW-4S	02/13/2017		16.0000		
Barium	ug/L	BW-4S	05/03/2017		42.0000		
Barium	ug/L	BW-4S	08/16/2017		60.0000		
Barium	ug/L	BW-4S	11/07/2017		53.0000		
Barium	ug/L	BW-4S	02/08/2018		64.0000		
Barium	ug/L	BW-4S	08/23/2018		89.0000		
Barium	ug/L	BW-4S	02/08/2019		41.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Barium	ug/L	BW-4S	08/27/2019		44.0000		
Barium	ug/L	BW-4S	02/11/2020		33.0000		
Barium	ug/L	BW-4S	08/24/2020		23.3000		
Barium	ug/L	BW-4S	02/08/2021		33.8000		
Barium	ug/L	BW-4S	08/20/2021		57.6000		
Barium	ug/L	BW-4S	02/10/2022		26.0000		
Barium	ug/L	BW-4S	08/16/2022		29.9000		
Barium	ug/L	BW-4S	02/10/2023		25.9000		
Barium	ug/L	BW-4S	08/17/2023		27.0000		
Barium	ug/L	BW-4S	02/09/2024		23.1000		
Barium	ug/L	BW-4S	08/21/2024		29.6000		
Barium	ug/L	BW-4S	02/10/2025		33.4000		
Barium	ug/L	BW-4S	08/21/2025		29.5000		
Barium	ug/L	BW-5S	10/04/2011		55.0000		
Barium	ug/L	BW-5S	02/15/2012		41.0000		
Barium	ug/L	BW-5S	08/15/2012		13.0000		
Barium	ug/L	BW-5S	02/15/2013		68.0000		
Barium	ug/L	BW-5S	08/21/2013	ND	10.0000		
Barium	ug/L	BW-5S	08/27/2014		35.0000		
Barium	ug/L	BW-5S	02/13/2015	ND	10.0000		
Barium	ug/L	BW-5S	08/17/2015	ND	10.0000		
Barium	ug/L	BW-5S	02/15/2016	ND	10.0000		
Barium	ug/L	BW-5S	05/05/2016	ND	10.0000		
Barium	ug/L	BW-5S	08/04/2016	ND	10.0000		
Barium	ug/L	BW-5S	11/02/2016		36.0000		
Barium	ug/L	BW-5S	02/13/2017		85.0000		
Barium	ug/L	BW-5S	05/03/2017		85.0000		
Barium	ug/L	BW-5S	08/16/2017	ND	10.0000		
Barium	ug/L	BW-5S	11/07/2017		17.0000		
Barium	ug/L	BW-5S	02/08/2018		74.0000		
Barium	ug/L	BW-5S	08/23/2018	ND	10.0000		
Barium	ug/L	BW-5S	02/08/2019		28.0000		
Barium	ug/L	BW-5S	08/27/2019	ND	10.0000		
Barium	ug/L	BW-5S	02/11/2020		40.0000		
Barium	ug/L	BW-5S	08/24/2020		45.6000		
Barium	ug/L	BW-5S	02/08/2021		26.0000		
Barium	ug/L	BW-5S	08/20/2021	ND	10.0000		
Barium	ug/L	BW-5S	02/10/2022		19.2000		
Barium	ug/L	BW-5S	08/16/2022		29.4000		
Barium	ug/L	BW-5S	02/10/2023		33.2000		
Barium	ug/L	BW-5S	08/17/2023		43.5000		
Barium	ug/L	BW-5S	02/09/2024		19.8000		
Barium	ug/L	BW-5S	08/21/2024	ND	10.0000		
Barium	ug/L	BW-5S	02/10/2025		11.9000		
Barium	ug/L	BW-5S	08/21/2025	ND	10.0000		
Beryllium	ug/L	BW-1S	10/05/2011	ND	1.0000		
Beryllium	ug/L	BW-1S	02/14/2012	ND	1.0000		
Beryllium	ug/L	BW-1S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-1S	02/14/2013	ND	1.0000		
Beryllium	ug/L	BW-1S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-1S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-1S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-1S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-1S	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-1S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-1S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-1S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-1S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-1S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-1S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-1S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-1S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-1S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-1S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-1S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-1S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-1S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-1S	08/17/2023	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium	ug/L	BW-1S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-1S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-1S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-1S	08/22/2025	ND	1.0000		
Beryllium	ug/L	BW-2S	10/05/2011	ND	1.0000		
Beryllium	ug/L	BW-2S	02/14/2012	ND	1.0000		
Beryllium	ug/L	BW-2S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-2S	02/14/2013	ND	1.0000		
Beryllium	ug/L	BW-2S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-2S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-2S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-2S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-2S	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-2S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-2S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-2S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-2S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-2S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-2S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-2S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-2S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-2S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-2S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-2S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-2S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-2S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-2S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-2S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-2S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-2S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-2S	08/22/2025	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/15/2012	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/16/2012	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/15/2013	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-3SR	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/16/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	11/03/2016	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-3SR	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-3SR	08/21/2025	ND	1.0000		
Beryllium	ug/L	BW-4S	10/04/2011	ND	1.0000		
Beryllium	ug/L	BW-4S	02/13/2012	ND	1.0000		
Beryllium	ug/L	BW-4S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-4S	02/15/2013	ND	1.0000		
Beryllium	ug/L	BW-4S	08/21/2013	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Beryllium	ug/L	BW-4S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-4S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-4S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-4S	12/17/2015	ND	1.0000		
Beryllium	ug/L	BW-4S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-4S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-4S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-4S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-4S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-4S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-4S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-4S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-4S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-4S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-4S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-4S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-4S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-4S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-4S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-4S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-4S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-4S	08/21/2025	ND	1.0000		
Beryllium	ug/L	BW-5S	10/04/2011	ND	1.0000		
Beryllium	ug/L	BW-5S	02/15/2012	ND	1.0000		
Beryllium	ug/L	BW-5S	08/15/2012	ND	1.0000		
Beryllium	ug/L	BW-5S	02/15/2013	ND	1.0000		
Beryllium	ug/L	BW-5S	08/21/2013	ND	1.0000		
Beryllium	ug/L	BW-5S	08/27/2014	ND	1.0000		
Beryllium	ug/L	BW-5S	02/13/2015	ND	1.0000		
Beryllium	ug/L	BW-5S	08/17/2015	ND	1.0000		
Beryllium	ug/L	BW-5S	02/15/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	05/05/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	08/04/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	11/02/2016	ND	1.0000		
Beryllium	ug/L	BW-5S	02/13/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	05/03/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	08/16/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	11/07/2017	ND	1.0000		
Beryllium	ug/L	BW-5S	02/08/2018	ND	1.0000		
Beryllium	ug/L	BW-5S	08/23/2018	ND	1.0000		
Beryllium	ug/L	BW-5S	02/08/2019	ND	1.0000		
Beryllium	ug/L	BW-5S	08/27/2019	ND	1.0000		
Beryllium	ug/L	BW-5S	02/11/2020	ND	1.0000		
Beryllium	ug/L	BW-5S	08/24/2020	ND	1.0000		
Beryllium	ug/L	BW-5S	02/08/2021	ND	1.0000		
Beryllium	ug/L	BW-5S	08/20/2021	ND	1.0000		
Beryllium	ug/L	BW-5S	02/10/2022	ND	1.0000		
Beryllium	ug/L	BW-5S	08/16/2022	ND	1.0000		
Beryllium	ug/L	BW-5S	02/10/2023	ND	1.0000		
Beryllium	ug/L	BW-5S	08/17/2023	ND	1.0000		
Beryllium	ug/L	BW-5S	02/09/2024	ND	1.0000		
Beryllium	ug/L	BW-5S	08/21/2024	ND	1.0000		
Beryllium	ug/L	BW-5S	02/10/2025	ND	1.0000		
Beryllium	ug/L	BW-5S	08/21/2025	ND	1.0000		
Boron	ug/L	BW-1S	12/17/2015	ND	100.0000		
Boron	ug/L	BW-1S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-1S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-1S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-1S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-1S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-1S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-1S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-1S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-1S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-1S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-1S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-1S	08/27/2019	ND	100.0000		
Boron	ug/L	BW-1S	02/11/2020	ND	100.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Boron	ug/L	BW-1S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-1S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-1S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-1S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-1S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-1S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-1S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-1S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-1S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-1S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-1S	08/22/2025	ND	100.0000		
Boron	ug/L	BW-2S	12/17/2015	ND	100.0000		
Boron	ug/L	BW-2S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-2S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-2S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-2S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-2S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-2S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-2S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-2S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-2S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-2S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-2S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-2S	08/27/2019	ND	100.0000		
Boron	ug/L	BW-2S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-2S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-2S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-2S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-2S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-2S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-2S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-2S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-2S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-2S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-2S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-2S	08/22/2025	ND	100.0000		
Boron	ug/L	BW-3SR	12/17/2015	ND	100.0000		
Boron	ug/L	BW-3SR	02/16/2016	ND	100.0000		
Boron	ug/L	BW-3SR	05/05/2016	ND	100.0000		
Boron	ug/L	BW-3SR	08/04/2016	ND	100.0000		
Boron	ug/L	BW-3SR	11/03/2016	ND	100.0000		
Boron	ug/L	BW-3SR	02/13/2017	ND	100.0000		
Boron	ug/L	BW-3SR	05/03/2017		210.0000		
Boron	ug/L	BW-3SR	08/16/2017	ND	100.0000		
Boron	ug/L	BW-3SR	11/07/2017	ND	100.0000		
Boron	ug/L	BW-3SR	02/08/2018	ND	100.0000		
Boron	ug/L	BW-3SR	08/23/2018	ND	100.0000		
Boron	ug/L	BW-3SR	02/08/2019	ND	100.0000		
Boron	ug/L	BW-3SR	08/27/2019	ND	100.0000		
Boron	ug/L	BW-3SR	02/11/2020	ND	100.0000		
Boron	ug/L	BW-3SR	08/24/2020	ND	100.0000		
Boron	ug/L	BW-3SR	02/08/2021	ND	100.0000		
Boron	ug/L	BW-3SR	08/20/2021	ND	100.0000		
Boron	ug/L	BW-3SR	02/10/2022	ND	100.0000		
Boron	ug/L	BW-3SR	08/16/2022	ND	100.0000		
Boron	ug/L	BW-3SR	02/10/2023	ND	100.0000		
Boron	ug/L	BW-3SR	08/17/2023	ND	100.0000		
Boron	ug/L	BW-3SR	02/09/2024	ND	100.0000		
Boron	ug/L	BW-3SR	08/21/2024	ND	100.0000		
Boron	ug/L	BW-3SR	02/10/2025	ND	100.0000		
Boron	ug/L	BW-3SR	08/21/2025	ND	100.0000		
Boron	ug/L	BW-4S	12/17/2015	ND	100.0000		
Boron	ug/L	BW-4S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-4S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-4S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-4S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-4S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-4S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-4S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-4S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-4S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-4S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-4S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-4S	08/27/2019	ND	100.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Boron	ug/L	BW-4S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-4S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-4S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-4S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-4S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-4S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-4S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-4S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-4S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-4S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-4S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-4S	08/21/2025	ND	100.0000		
Boron	ug/L	BW-5S	02/15/2016	ND	100.0000		
Boron	ug/L	BW-5S	05/05/2016	ND	100.0000		
Boron	ug/L	BW-5S	08/04/2016	ND	100.0000		
Boron	ug/L	BW-5S	11/02/2016	ND	100.0000		
Boron	ug/L	BW-5S	02/13/2017	ND	100.0000		
Boron	ug/L	BW-5S	05/03/2017	ND	100.0000		
Boron	ug/L	BW-5S	08/16/2017	ND	100.0000		
Boron	ug/L	BW-5S	11/07/2017	ND	100.0000		
Boron	ug/L	BW-5S	02/08/2018	ND	100.0000		
Boron	ug/L	BW-5S	08/23/2018	ND	100.0000		
Boron	ug/L	BW-5S	02/08/2019	ND	100.0000		
Boron	ug/L	BW-5S	08/27/2019	ND	100.0000		
Boron	ug/L	BW-5S	02/11/2020	ND	100.0000		
Boron	ug/L	BW-5S	08/24/2020	ND	100.0000		
Boron	ug/L	BW-5S	02/08/2021	ND	100.0000		
Boron	ug/L	BW-5S	08/20/2021	ND	100.0000		
Boron	ug/L	BW-5S	02/10/2022	ND	100.0000		
Boron	ug/L	BW-5S	08/16/2022	ND	100.0000		
Boron	ug/L	BW-5S	02/10/2023	ND	100.0000		
Boron	ug/L	BW-5S	08/17/2023	ND	100.0000		
Boron	ug/L	BW-5S	02/09/2024	ND	100.0000		
Boron	ug/L	BW-5S	08/21/2024	ND	100.0000		
Boron	ug/L	BW-5S	02/10/2025	ND	100.0000		
Boron	ug/L	BW-5S	08/21/2025	ND	100.0000		
Cadmium	ug/L	BW-1S	10/05/2011	ND	5.0000		
Cadmium	ug/L	BW-1S	02/14/2012	ND	5.0000		
Cadmium	ug/L	BW-1S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-1S	02/14/2013	ND	5.0000		
Cadmium	ug/L	BW-1S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-1S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-1S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-1S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-1S	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-1S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-1S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-1S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-1S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-1S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-1S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-1S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-1S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-1S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-1S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-1S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-1S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-1S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-1S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-1S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-1S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-1S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-1S	08/22/2025	ND	5.0000		
Cadmium	ug/L	BW-2S	10/05/2011	ND	5.0000		
Cadmium	ug/L	BW-2S	02/14/2012	ND	5.0000		
Cadmium	ug/L	BW-2S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-2S	02/14/2013	ND	5.0000		
Cadmium	ug/L	BW-2S	08/21/2013	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium	ug/L	BW-2S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-2S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-2S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-2S	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-2S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-2S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-2S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-2S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-2S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-2S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-2S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-2S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-2S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-2S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-2S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-2S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-2S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-2S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-2S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-2S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-2S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-2S	08/22/2025	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/15/2012	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/16/2012	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/15/2013	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-3SR	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/16/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	11/03/2016	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-3SR	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-3SR	08/21/2025	ND	5.0000		
Cadmium	ug/L	BW-4S	10/04/2011	ND	5.0000		
Cadmium	ug/L	BW-4S	02/13/2012	ND	5.0000		
Cadmium	ug/L	BW-4S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-4S	02/15/2013	ND	5.0000		
Cadmium	ug/L	BW-4S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-4S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-4S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-4S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-4S	12/17/2015	ND	5.0000		
Cadmium	ug/L	BW-4S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-4S	02/13/2017	ND	5.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cadmium	ug/L	BW-4S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-4S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-4S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-4S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-4S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-4S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-4S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-4S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-4S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-4S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-4S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-4S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-4S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-4S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-4S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-4S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-4S	08/21/2025	ND	5.0000		
Cadmium	ug/L	BW-5S	10/04/2011	ND	5.0000		
Cadmium	ug/L	BW-5S	02/15/2012	ND	5.0000		
Cadmium	ug/L	BW-5S	08/15/2012	ND	5.0000		
Cadmium	ug/L	BW-5S	02/15/2013	ND	5.0000		
Cadmium	ug/L	BW-5S	08/21/2013	ND	5.0000		
Cadmium	ug/L	BW-5S	08/27/2014	ND	5.0000		
Cadmium	ug/L	BW-5S	02/13/2015	ND	5.0000		
Cadmium	ug/L	BW-5S	08/17/2015	ND	5.0000		
Cadmium	ug/L	BW-5S	02/15/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	05/05/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	08/04/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	11/02/2016	ND	5.0000		
Cadmium	ug/L	BW-5S	02/13/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	05/03/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	08/16/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	11/07/2017	ND	5.0000		
Cadmium	ug/L	BW-5S	02/08/2018	ND	5.0000		
Cadmium	ug/L	BW-5S	08/23/2018	ND	5.0000		
Cadmium	ug/L	BW-5S	02/08/2019	ND	5.0000		
Cadmium	ug/L	BW-5S	08/27/2019	ND	5.0000		
Cadmium	ug/L	BW-5S	02/11/2020	ND	5.0000		
Cadmium	ug/L	BW-5S	08/24/2020	ND	5.0000		
Cadmium	ug/L	BW-5S	02/08/2021	ND	5.0000		
Cadmium	ug/L	BW-5S	08/20/2021	ND	5.0000		
Cadmium	ug/L	BW-5S	02/10/2022	ND	5.0000		
Cadmium	ug/L	BW-5S	08/16/2022	ND	5.0000		
Cadmium	ug/L	BW-5S	02/10/2023	ND	5.0000		
Cadmium	ug/L	BW-5S	08/17/2023	ND	5.0000		
Cadmium	ug/L	BW-5S	02/09/2024	ND	5.0000		
Cadmium	ug/L	BW-5S	08/21/2024	ND	5.0000		
Cadmium	ug/L	BW-5S	02/10/2025	ND	5.0000		
Cadmium	ug/L	BW-5S	08/21/2025	ND	5.0000		
Calcium	mg/L	BW-1S	12/17/2015		7.4000		
Calcium	mg/L	BW-1S	02/15/2016		6.5000		
Calcium	mg/L	BW-1S	05/05/2016		6.0000		
Calcium	mg/L	BW-1S	08/04/2016		5.0000		
Calcium	mg/L	BW-1S	11/02/2016		5.5000		
Calcium	mg/L	BW-1S	02/13/2017		5.2000		
Calcium	mg/L	BW-1S	05/03/2017		4.0000		
Calcium	mg/L	BW-1S	08/16/2017		8.9000		
Calcium	mg/L	BW-1S	11/07/2017		7.1000		
Calcium	mg/L	BW-1S	02/08/2018		7.1000		
Calcium	mg/L	BW-1S	08/23/2018		8.9000		
Calcium	mg/L	BW-1S	02/08/2019		7.4000		
Calcium	mg/L	BW-1S	08/27/2019		7.8000		
Calcium	mg/L	BW-1S	02/11/2020		5.5000		
Calcium	mg/L	BW-1S	08/24/2020		6.9600		
Calcium	mg/L	BW-1S	02/08/2021		8.7300		
Calcium	mg/L	BW-1S	08/20/2021		10.8000		
Calcium	mg/L	BW-1S	02/10/2022		14.2000		
Calcium	mg/L	BW-1S	08/16/2022		11.9000		
Calcium	mg/L	BW-1S	02/10/2023		29.7000		
Calcium	mg/L	BW-1S	08/17/2023		15.6000		
Calcium	mg/L	BW-1S	02/09/2024		28.9000		
Calcium	mg/L	BW-1S	08/21/2024		35.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Calcium	mg/L	BW-1S	02/10/2025		19.0000		
Calcium	mg/L	BW-1S	08/22/2025		30.9000		
Calcium	mg/L	BW-2S	12/17/2015		9.5000		
Calcium	mg/L	BW-2S	02/15/2016		21.0000		
Calcium	mg/L	BW-2S	05/05/2016		18.0000		
Calcium	mg/L	BW-2S	08/04/2016		23.0000		
Calcium	mg/L	BW-2S	11/02/2016		12.0000		
Calcium	mg/L	BW-2S	02/13/2017		4.6000		
Calcium	mg/L	BW-2S	05/03/2017		4.3000		
Calcium	mg/L	BW-2S	08/16/2017		23.0000		
Calcium	mg/L	BW-2S	11/07/2017		5.3000		
Calcium	mg/L	BW-2S	02/08/2018		7.7000		
Calcium	mg/L	BW-2S	08/23/2018		28.0000		
Calcium	mg/L	BW-2S	02/08/2019		13.0000		
Calcium	mg/L	BW-2S	08/27/2019		30.0000		
Calcium	mg/L	BW-2S	02/11/2020		11.0000		
Calcium	mg/L	BW-2S	08/24/2020		8.1100		
Calcium	mg/L	BW-2S	02/08/2021		15.0000		
Calcium	mg/L	BW-2S	08/20/2021		45.1000		
Calcium	mg/L	BW-2S	02/10/2022		23.2000		
Calcium	mg/L	BW-2S	08/16/2022		5.8100		
Calcium	mg/L	BW-2S	02/10/2023		24.2000		
Calcium	mg/L	BW-2S	08/17/2023		4.9400		
Calcium	mg/L	BW-2S	02/09/2024		11.0000		
Calcium	mg/L	BW-2S	08/21/2024		8.0400		
Calcium	mg/L	BW-2S	02/10/2025		7.4000		
Calcium	mg/L	BW-2S	08/22/2025		28.0000		
Calcium	mg/L	BW-3SR	12/17/2015		27.0000		
Calcium	mg/L	BW-3SR	02/16/2016		2.4000		*
Calcium	mg/L	BW-3SR	05/05/2016		30.0000		
Calcium	mg/L	BW-3SR	08/04/2016		29.0000		
Calcium	mg/L	BW-3SR	11/03/2016		28.0000		
Calcium	mg/L	BW-3SR	02/13/2017		24.0000		
Calcium	mg/L	BW-3SR	05/03/2017		81.0000		
Calcium	mg/L	BW-3SR	08/16/2017		33.0000		
Calcium	mg/L	BW-3SR	11/07/2017		28.0000		
Calcium	mg/L	BW-3SR	02/08/2018		28.0000		
Calcium	mg/L	BW-3SR	08/23/2018		40.0000		
Calcium	mg/L	BW-3SR	02/08/2019		34.0000		
Calcium	mg/L	BW-3SR	08/27/2019		77.0000		
Calcium	mg/L	BW-3SR	02/11/2020		28.0000		
Calcium	mg/L	BW-3SR	08/24/2020		15.1000		
Calcium	mg/L	BW-3SR	02/08/2021		14.1000		
Calcium	mg/L	BW-3SR	08/20/2021		76.6000		
Calcium	mg/L	BW-3SR	02/10/2022		25.6000		
Calcium	mg/L	BW-3SR	08/16/2022		14.1000		
Calcium	mg/L	BW-3SR	02/10/2023		27.4000		
Calcium	mg/L	BW-3SR	08/17/2023		13.3000		
Calcium	mg/L	BW-3SR	02/09/2024		12.3000		
Calcium	mg/L	BW-3SR	08/21/2024		35.5000		
Calcium	mg/L	BW-3SR	02/10/2025		25.4000		
Calcium	mg/L	BW-3SR	08/21/2025		28.4000		
Calcium	mg/L	BW-4S	12/17/2015		5.4000		
Calcium	mg/L	BW-4S	02/15/2016		4.0000		
Calcium	mg/L	BW-4S	05/05/2016		4.5000		
Calcium	mg/L	BW-4S	08/04/2016		4.1000		
Calcium	mg/L	BW-4S	11/02/2016		2.0000		
Calcium	mg/L	BW-4S	02/13/2017		2.1000		
Calcium	mg/L	BW-4S	05/03/2017		9.8000		
Calcium	mg/L	BW-4S	08/16/2017		12.0000		
Calcium	mg/L	BW-4S	11/07/2017		8.8000		
Calcium	mg/L	BW-4S	02/08/2018		13.0000		
Calcium	mg/L	BW-4S	08/23/2018		22.0000		
Calcium	mg/L	BW-4S	02/08/2019		7.8000		
Calcium	mg/L	BW-4S	08/27/2019		11.0000		
Calcium	mg/L	BW-4S	02/11/2020		6.7000		
Calcium	mg/L	BW-4S	08/24/2020		3.9600		
Calcium	mg/L	BW-4S	02/08/2021		6.8700		
Calcium	mg/L	BW-4S	08/20/2021		13.9000		
Calcium	mg/L	BW-4S	02/10/2022		5.5000		
Calcium	mg/L	BW-4S	08/16/2022		3.3400		
Calcium	mg/L	BW-4S	02/10/2023		3.7100		
Calcium	mg/L	BW-4S	08/17/2023		2.5900		
Calcium	mg/L	BW-4S	02/09/2024		7.1100		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Calcium	mg/L	BW-4S	08/21/2024		10.4000		
Calcium	mg/L	BW-4S	02/10/2025		5.3200		
Calcium	mg/L	BW-4S	08/21/2025		11.7000		
Calcium	mg/L	BW-5S	02/15/2016		31.0000		
Calcium	mg/L	BW-5S	05/05/2016		22.0000		
Calcium	mg/L	BW-5S	08/04/2016		22.0000		
Calcium	mg/L	BW-5S	11/02/2016		25.0000		
Calcium	mg/L	BW-5S	02/13/2017		14.0000		
Calcium	mg/L	BW-5S	05/03/2017		14.0000		
Calcium	mg/L	BW-5S	08/16/2017		19.0000		
Calcium	mg/L	BW-5S	11/07/2017		31.0000		
Calcium	mg/L	BW-5S	02/08/2018		17.0000		
Calcium	mg/L	BW-5S	08/23/2018		25.0000		
Calcium	mg/L	BW-5S	02/08/2019		17.0000		
Calcium	mg/L	BW-5S	08/27/2019		30.0000		
Calcium	mg/L	BW-5S	02/11/2020		34.0000		
Calcium	mg/L	BW-5S	08/24/2020		34.1000		
Calcium	mg/L	BW-5S	02/08/2021		32.0000		
Calcium	mg/L	BW-5S	08/20/2021		18.9000		
Calcium	mg/L	BW-5S	02/10/2022		31.5000		
Calcium	mg/L	BW-5S	08/16/2022		31.8000		
Calcium	mg/L	BW-5S	02/10/2023		36.8000		
Calcium	mg/L	BW-5S	08/17/2023		35.2000		
Calcium	mg/L	BW-5S	02/09/2024		23.2000		
Calcium	mg/L	BW-5S	08/21/2024		20.1000		
Calcium	mg/L	BW-5S	02/10/2025		28.8000		
Calcium	mg/L	BW-5S	08/21/2025		15.5000		
Chloride	mg/L	BW-1S	10/05/2011		13.0000		
Chloride	mg/L	BW-1S	02/14/2012		8.7000		
Chloride	mg/L	BW-1S	08/15/2012		9.1000		
Chloride	mg/L	BW-1S	02/14/2013		7.3000		
Chloride	mg/L	BW-1S	08/21/2013		6.4000		
Chloride	mg/L	BW-1S	08/27/2014		13.0000		
Chloride	mg/L	BW-1S	02/13/2015		5.0000		
Chloride	mg/L	BW-1S	08/17/2015		6.1000		
Chloride	mg/L	BW-1S	12/17/2015		4.7000		
Chloride	mg/L	BW-1S	02/15/2016	ND	15.0000	3.0000	**
Chloride	mg/L	BW-1S	05/05/2016		4.9000		
Chloride	mg/L	BW-1S	08/04/2016		5.1000		
Chloride	mg/L	BW-1S	11/02/2016		4.8000		
Chloride	mg/L	BW-1S	02/13/2017		6.8000		
Chloride	mg/L	BW-1S	05/03/2017		4.7000		
Chloride	mg/L	BW-1S	08/16/2017		8.7000		
Chloride	mg/L	BW-1S	11/07/2017		8.2000		
Chloride	mg/L	BW-1S	02/08/2018		6.2000		
Chloride	mg/L	BW-1S	08/23/2018		7.1000		
Chloride	mg/L	BW-1S	02/08/2019		4.0000		
Chloride	mg/L	BW-1S	08/27/2019		4.7000		
Chloride	mg/L	BW-1S	02/11/2020		4.4000		
Chloride	mg/L	BW-1S	08/24/2020		6.1900		
Chloride	mg/L	BW-1S	02/08/2021		17.1000		
Chloride	mg/L	BW-1S	08/20/2021		14.2000		
Chloride	mg/L	BW-1S	02/10/2022		15.1000		
Chloride	mg/L	BW-1S	08/16/2022		13.7000		
Chloride	mg/L	BW-1S	02/10/2023		22.5000		
Chloride	mg/L	BW-1S	08/17/2023		15.1000		
Chloride	mg/L	BW-1S	02/09/2024		16.7000		
Chloride	mg/L	BW-1S	08/21/2024		37.9000		
Chloride	mg/L	BW-1S	02/10/2025		12.8000		
Chloride	mg/L	BW-1S	08/22/2025		37.4000		
Chloride	mg/L	BW-2S	10/05/2011		10.0000		
Chloride	mg/L	BW-2S	02/14/2012		10.0000		
Chloride	mg/L	BW-2S	08/15/2012		14.0000		
Chloride	mg/L	BW-2S	02/14/2013		9.6000		
Chloride	mg/L	BW-2S	08/21/2013		9.1000		
Chloride	mg/L	BW-2S	08/27/2014		12.0000		
Chloride	mg/L	BW-2S	02/13/2015		11.0000		
Chloride	mg/L	BW-2S	08/17/2015		9.7000		
Chloride	mg/L	BW-2S	12/17/2015		12.0000		
Chloride	mg/L	BW-2S	02/15/2016		8.4000		
Chloride	mg/L	BW-2S	05/05/2016		9.4000		
Chloride	mg/L	BW-2S	08/04/2016		8.1000		
Chloride	mg/L	BW-2S	11/02/2016		12.0000		
Chloride	mg/L	BW-2S	02/13/2017		13.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	BW-2S	05/03/2017		13.0000		
Chloride	mg/L	BW-2S	08/16/2017		8.8000		
Chloride	mg/L	BW-2S	11/07/2017		16.0000		
Chloride	mg/L	BW-2S	02/08/2018		8.9000		
Chloride	mg/L	BW-2S	08/23/2018		7.3000		
Chloride	mg/L	BW-2S	02/08/2019		10.0000		
Chloride	mg/L	BW-2S	08/27/2019		5.6000		
Chloride	mg/L	BW-2S	02/11/2020		13.0000		
Chloride	mg/L	BW-2S	08/24/2020		11.4000		
Chloride	mg/L	BW-2S	02/08/2021		14.4000		
Chloride	mg/L	BW-2S	08/20/2021		8.5700		
Chloride	mg/L	BW-2S	02/10/2022		14.8000		
Chloride	mg/L	BW-2S	08/16/2022		18.2000		
Chloride	mg/L	BW-2S	02/10/2023		15.3000		
Chloride	mg/L	BW-2S	08/17/2023		16.6000		
Chloride	mg/L	BW-2S	02/09/2024		15.8000		
Chloride	mg/L	BW-2S	08/21/2024		16.0000		
Chloride	mg/L	BW-2S	02/10/2025		15.5000		
Chloride	mg/L	BW-2S	08/22/2025		14.1000		
Chloride	mg/L	BW-3SR	02/15/2012		19.0000		
Chloride	mg/L	BW-3SR	08/16/2012		9.9000		
Chloride	mg/L	BW-3SR	02/15/2013		15.0000		
Chloride	mg/L	BW-3SR	08/21/2013		13.0000		
Chloride	mg/L	BW-3SR	08/27/2014		25.0000		
Chloride	mg/L	BW-3SR	02/13/2015		22.0000		
Chloride	mg/L	BW-3SR	08/17/2015		14.0000		
Chloride	mg/L	BW-3SR	12/17/2015		14.0000		
Chloride	mg/L	BW-3SR	02/16/2016		12.0000		
Chloride	mg/L	BW-3SR	05/05/2016		27.0000		
Chloride	mg/L	BW-3SR	08/04/2016		16.0000		
Chloride	mg/L	BW-3SR	11/03/2016		16.0000		
Chloride	mg/L	BW-3SR	02/13/2017		30.0000		
Chloride	mg/L	BW-3SR	05/03/2017		19.0000		
Chloride	mg/L	BW-3SR	08/16/2017		19.0000		
Chloride	mg/L	BW-3SR	11/07/2017		24.0000		
Chloride	mg/L	BW-3SR	02/08/2018		26.0000		
Chloride	mg/L	BW-3SR	08/23/2018		31.0000		
Chloride	mg/L	BW-3SR	02/08/2019		40.0000		
Chloride	mg/L	BW-3SR	08/27/2019		86.0000		
Chloride	mg/L	BW-3SR	02/11/2020		35.0000		
Chloride	mg/L	BW-3SR	08/24/2020		23.6000		
Chloride	mg/L	BW-3SR	02/08/2021		22.2000		
Chloride	mg/L	BW-3SR	08/20/2021		107.0000		*
Chloride	mg/L	BW-3SR	02/10/2022		34.6000		
Chloride	mg/L	BW-3SR	08/16/2022		18.9000		
Chloride	mg/L	BW-3SR	02/10/2023		41.4000		
Chloride	mg/L	BW-3SR	08/17/2023		15.4000		
Chloride	mg/L	BW-3SR	02/09/2024		15.3000		
Chloride	mg/L	BW-3SR	08/21/2024		53.4000		
Chloride	mg/L	BW-3SR	02/10/2025		34.4000		
Chloride	mg/L	BW-3SR	08/21/2025		47.2000		
Chloride	mg/L	BW-4S	10/04/2011		7.8000		
Chloride	mg/L	BW-4S	02/13/2012		7.1000		
Chloride	mg/L	BW-4S	08/15/2012		7.4000		
Chloride	mg/L	BW-4S	02/15/2013		9.1000		
Chloride	mg/L	BW-4S	08/21/2013		9.0000		
Chloride	mg/L	BW-4S	08/27/2014		8.1000		
Chloride	mg/L	BW-4S	02/13/2015		11.0000		
Chloride	mg/L	BW-4S	08/17/2015		11.0000		
Chloride	mg/L	BW-4S	12/17/2015		12.0000		
Chloride	mg/L	BW-4S	02/15/2016		12.0000		
Chloride	mg/L	BW-4S	05/05/2016		12.0000		
Chloride	mg/L	BW-4S	08/04/2016		13.0000		
Chloride	mg/L	BW-4S	11/02/2016		13.0000		
Chloride	mg/L	BW-4S	02/13/2017		12.0000		
Chloride	mg/L	BW-4S	05/03/2017		11.0000		
Chloride	mg/L	BW-4S	08/16/2017		10.0000		
Chloride	mg/L	BW-4S	11/07/2017		13.0000		
Chloride	mg/L	BW-4S	02/08/2018		11.0000		
Chloride	mg/L	BW-4S	08/23/2018		10.0000		
Chloride	mg/L	BW-4S	02/08/2019		8.8000		
Chloride	mg/L	BW-4S	08/27/2019		10.0000		
Chloride	mg/L	BW-4S	02/11/2020		9.9000		
Chloride	mg/L	BW-4S	08/24/2020		5.9700		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chloride	mg/L	BW-4S	02/08/2021		6.1700		
Chloride	mg/L	BW-4S	08/20/2021		9.5900		
Chloride	mg/L	BW-4S	02/10/2022		10.3000		
Chloride	mg/L	BW-4S	08/16/2022		11.2000		
Chloride	mg/L	BW-4S	02/10/2023		11.2000		
Chloride	mg/L	BW-4S	08/17/2023		9.9700		
Chloride	mg/L	BW-4S	02/09/2024		9.8500		
Chloride	mg/L	BW-4S	08/21/2024		10.3000		
Chloride	mg/L	BW-4S	02/10/2025		9.9700		
Chloride	mg/L	BW-4S	08/21/2025		9.4200		
Chloride	mg/L	BW-5S	10/04/2011		11.0000		
Chloride	mg/L	BW-5S	02/15/2012		11.0000		
Chloride	mg/L	BW-5S	08/15/2012		5.4000		
Chloride	mg/L	BW-5S	02/15/2013		16.0000		
Chloride	mg/L	BW-5S	08/21/2013		9.1000		
Chloride	mg/L	BW-5S	08/27/2014		9.8000		
Chloride	mg/L	BW-5S	02/13/2015		5.6000		
Chloride	mg/L	BW-5S	08/17/2015		3.1000		
Chloride	mg/L	BW-5S	02/15/2016		6.5000		
Chloride	mg/L	BW-5S	05/05/2016		3.3000		
Chloride	mg/L	BW-5S	08/04/2016	ND	3.0000		
Chloride	mg/L	BW-5S	11/02/2016		14.0000		
Chloride	mg/L	BW-5S	02/13/2017		13.0000		
Chloride	mg/L	BW-5S	05/03/2017		13.0000		
Chloride	mg/L	BW-5S	08/16/2017	ND	3.0000		
Chloride	mg/L	BW-5S	11/07/2017		12.0000		
Chloride	mg/L	BW-5S	02/08/2018		9.1000		
Chloride	mg/L	BW-5S	08/23/2018	ND	3.0000		
Chloride	mg/L	BW-5S	02/08/2019		7.5000		
Chloride	mg/L	BW-5S	08/27/2019		3.4000		
Chloride	mg/L	BW-5S	02/11/2020		7.5000		
Chloride	mg/L	BW-5S	08/24/2020		7.8700		
Chloride	mg/L	BW-5S	02/08/2021		7.0300		
Chloride	mg/L	BW-5S	08/20/2021	ND	3.0000		
Chloride	mg/L	BW-5S	02/10/2022		9.1400		
Chloride	mg/L	BW-5S	08/16/2022		8.7100		
Chloride	mg/L	BW-5S	02/10/2023		10.6000		
Chloride	mg/L	BW-5S	08/17/2023		12.1000		
Chloride	mg/L	BW-5S	02/09/2024		8.7500		
Chloride	mg/L	BW-5S	08/21/2024	ND	3.0000		
Chloride	mg/L	BW-5S	02/10/2025		7.8600		
Chloride	mg/L	BW-5S	08/21/2025		4.6200		
Chromium	ug/L	BW-1S	10/05/2011	ND	10.0000		
Chromium	ug/L	BW-1S	02/14/2012	ND	10.0000		
Chromium	ug/L	BW-1S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-1S	02/14/2013	ND	10.0000		
Chromium	ug/L	BW-1S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-1S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-1S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-1S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-1S	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-1S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-1S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-1S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-1S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-1S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-1S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-1S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-1S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-1S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-1S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-1S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-1S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-1S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-1S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-1S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-1S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-1S	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-1S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-1S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-1S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-1S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-1S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-1S	02/10/2025	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	BW-1S	08/22/2025	ND	10.0000		
Chromium	ug/L	BW-2S	10/05/2011	ND	10.0000		
Chromium	ug/L	BW-2S	02/14/2012	ND	10.0000		
Chromium	ug/L	BW-2S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-2S	02/14/2013	ND	10.0000		
Chromium	ug/L	BW-2S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-2S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-2S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-2S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-2S	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-2S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-2S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-2S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-2S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-2S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-2S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-2S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-2S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-2S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-2S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-2S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-2S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-2S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-2S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-2S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-2S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-2S	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-2S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-2S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-2S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-2S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-2S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-2S	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-2S	08/22/2025	ND	10.0000		
Chromium	ug/L	BW-3SR	02/15/2012	ND	10.0000		
Chromium	ug/L	BW-3SR	08/16/2012	ND	10.0000		
Chromium	ug/L	BW-3SR	02/15/2013	ND	10.0000		
Chromium	ug/L	BW-3SR	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-3SR	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-3SR	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-3SR	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-3SR	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-3SR	02/16/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	11/03/2016	ND	10.0000		
Chromium	ug/L	BW-3SR	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-3SR	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-3SR	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-3SR	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-3SR	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-3SR	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-3SR	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-3SR	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-3SR	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-3SR	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-3SR	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-3SR	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-3SR	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-3SR	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-3SR	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-3SR	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-3SR	08/21/2025	ND	10.0000		
Chromium	ug/L	BW-4S	10/04/2011	ND	10.0000		
Chromium	ug/L	BW-4S	02/13/2012	ND	10.0000		
Chromium	ug/L	BW-4S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-4S	02/15/2013	ND	10.0000		
Chromium	ug/L	BW-4S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-4S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-4S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-4S	08/17/2015	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Chromium	ug/L	BW-4S	12/17/2015	ND	10.0000		
Chromium	ug/L	BW-4S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-4S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-4S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-4S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-4S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-4S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-4S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-4S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-4S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-4S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-4S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-4S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-4S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-4S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-4S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-4S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-4S	02/10/2022		10.5000		
Chromium	ug/L	BW-4S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-4S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-4S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-4S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-4S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-4S	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-4S	08/21/2025	ND	10.0000		
Chromium	ug/L	BW-5S	10/04/2011	ND	10.0000		
Chromium	ug/L	BW-5S	02/15/2012	ND	10.0000		
Chromium	ug/L	BW-5S	08/15/2012	ND	10.0000		
Chromium	ug/L	BW-5S	02/15/2013	ND	10.0000		
Chromium	ug/L	BW-5S	08/21/2013	ND	10.0000		
Chromium	ug/L	BW-5S	08/27/2014	ND	10.0000		
Chromium	ug/L	BW-5S	02/13/2015	ND	10.0000		
Chromium	ug/L	BW-5S	08/17/2015	ND	10.0000		
Chromium	ug/L	BW-5S	02/15/2016	ND	10.0000		
Chromium	ug/L	BW-5S	05/05/2016	ND	10.0000		
Chromium	ug/L	BW-5S	08/04/2016	ND	10.0000		
Chromium	ug/L	BW-5S	11/02/2016	ND	10.0000		
Chromium	ug/L	BW-5S	02/13/2017	ND	10.0000		
Chromium	ug/L	BW-5S	05/03/2017	ND	10.0000		
Chromium	ug/L	BW-5S	08/16/2017	ND	10.0000		
Chromium	ug/L	BW-5S	11/07/2017	ND	10.0000		
Chromium	ug/L	BW-5S	02/08/2018	ND	10.0000		
Chromium	ug/L	BW-5S	08/23/2018	ND	10.0000		
Chromium	ug/L	BW-5S	02/08/2019	ND	10.0000		
Chromium	ug/L	BW-5S	08/27/2019	ND	10.0000		
Chromium	ug/L	BW-5S	02/11/2020	ND	10.0000		
Chromium	ug/L	BW-5S	08/24/2020	ND	10.0000		
Chromium	ug/L	BW-5S	02/08/2021	ND	10.0000		
Chromium	ug/L	BW-5S	08/20/2021	ND	10.0000		
Chromium	ug/L	BW-5S	02/10/2022	ND	10.0000		
Chromium	ug/L	BW-5S	08/16/2022	ND	10.0000		
Chromium	ug/L	BW-5S	02/10/2023	ND	10.0000		
Chromium	ug/L	BW-5S	08/17/2023	ND	10.0000		
Chromium	ug/L	BW-5S	02/09/2024	ND	10.0000		
Chromium	ug/L	BW-5S	08/21/2024	ND	10.0000		
Chromium	ug/L	BW-5S	02/10/2025	ND	10.0000		
Chromium	ug/L	BW-5S	08/21/2025	ND	10.0000		
Cobalt	ug/L	BW-1S	10/05/2011	ND	10.0000		
Cobalt	ug/L	BW-1S	02/14/2012	ND	10.0000		
Cobalt	ug/L	BW-1S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-1S	02/14/2013	ND	10.0000		
Cobalt	ug/L	BW-1S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-1S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-1S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-1S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-1S	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-1S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-1S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-1S	11/07/2017	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	BW-1S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-1S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-1S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-1S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-1S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-1S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-1S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-1S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-1S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-1S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-1S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-1S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-1S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-1S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-1S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-1S	08/22/2025	ND	10.0000		
Cobalt	ug/L	BW-2S	10/05/2011	ND	10.0000		
Cobalt	ug/L	BW-2S	02/14/2012	ND	10.0000		
Cobalt	ug/L	BW-2S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-2S	02/14/2013	ND	10.0000		
Cobalt	ug/L	BW-2S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-2S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-2S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-2S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-2S	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-2S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-2S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-2S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-2S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-2S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-2S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-2S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-2S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-2S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-2S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-2S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-2S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-2S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-2S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-2S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-2S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-2S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-2S	08/22/2025	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/15/2012	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/16/2012	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/15/2013	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-3SR	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/16/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	11/03/2016	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/10/2022	ND	10.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Cobalt	ug/L	BW-3SR	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-3SR	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-3SR	08/21/2025	ND	10.0000		
Cobalt	ug/L	BW-4S	10/04/2011	ND	10.0000		
Cobalt	ug/L	BW-4S	02/13/2012	ND	10.0000		
Cobalt	ug/L	BW-4S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-4S	02/15/2013	ND	10.0000		
Cobalt	ug/L	BW-4S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-4S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-4S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-4S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-4S	12/17/2015	ND	10.0000		
Cobalt	ug/L	BW-4S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-4S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-4S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-4S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-4S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-4S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-4S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-4S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-4S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-4S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-4S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-4S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-4S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-4S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-4S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-4S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-4S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-4S	08/21/2025	ND	10.0000		
Cobalt	ug/L	BW-5S	10/04/2011	ND	10.0000		
Cobalt	ug/L	BW-5S	02/15/2012	ND	10.0000		
Cobalt	ug/L	BW-5S	08/15/2012	ND	10.0000		
Cobalt	ug/L	BW-5S	02/15/2013	ND	10.0000		
Cobalt	ug/L	BW-5S	08/21/2013	ND	10.0000		
Cobalt	ug/L	BW-5S	08/27/2014	ND	10.0000		
Cobalt	ug/L	BW-5S	02/13/2015	ND	10.0000		
Cobalt	ug/L	BW-5S	08/17/2015	ND	10.0000		
Cobalt	ug/L	BW-5S	02/15/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	05/05/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	08/04/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	11/02/2016	ND	10.0000		
Cobalt	ug/L	BW-5S	02/13/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	05/03/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	08/16/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	11/07/2017	ND	10.0000		
Cobalt	ug/L	BW-5S	02/08/2018	ND	10.0000		
Cobalt	ug/L	BW-5S	08/23/2018	ND	10.0000		
Cobalt	ug/L	BW-5S	02/08/2019	ND	10.0000		
Cobalt	ug/L	BW-5S	08/27/2019	ND	10.0000		
Cobalt	ug/L	BW-5S	02/11/2020	ND	10.0000		
Cobalt	ug/L	BW-5S	08/24/2020	ND	10.0000		
Cobalt	ug/L	BW-5S	02/08/2021	ND	10.0000		
Cobalt	ug/L	BW-5S	08/20/2021	ND	10.0000		
Cobalt	ug/L	BW-5S	02/10/2022	ND	10.0000		
Cobalt	ug/L	BW-5S	08/16/2022	ND	10.0000		
Cobalt	ug/L	BW-5S	02/10/2023	ND	10.0000		
Cobalt	ug/L	BW-5S	08/17/2023	ND	10.0000		
Cobalt	ug/L	BW-5S	02/09/2024	ND	10.0000		
Cobalt	ug/L	BW-5S	08/21/2024	ND	10.0000		
Cobalt	ug/L	BW-5S	02/10/2025	ND	10.0000		
Cobalt	ug/L	BW-5S	08/21/2025	ND	10.0000		
Fluoride	mg/L	BW-1S	12/17/2015	ND	0.5000		
Fluoride	mg/L	BW-1S	02/15/2016	ND	2.5000		*

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Fluoride	mg/L	BW-1S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-1S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-1S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-1S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-1S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-1S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-1S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-1S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-1S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-1S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-1S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-1S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-1S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-1S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-1S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-1S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-1S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-1S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-1S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-1S	08/22/2025	ND	0.5000		
Fluoride	mg/L	BW-2S	12/17/2015	ND	0.5000		
Fluoride	mg/L	BW-2S	02/15/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-2S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-2S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-2S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-2S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-2S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-2S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-2S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-2S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-2S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-2S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-2S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-2S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-2S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-2S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-2S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-2S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-2S	08/22/2025	ND	0.5000		
Fluoride	mg/L	BW-3SR	12/17/2015	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/16/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	11/03/2016	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-3SR	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/16/2017		0.5900		
Fluoride	mg/L	BW-3SR	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-3SR	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-3SR	08/21/2025	ND	0.5000		
Fluoride	mg/L	BW-4S	12/17/2015	ND	0.5000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Fluoride	mg/L	BW-4S	02/15/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-4S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-4S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-4S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-4S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-4S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-4S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-4S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-4S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-4S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-4S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-4S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-4S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-4S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-4S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-4S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-4S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-4S	08/21/2025	ND	0.5000		
Fluoride	mg/L	BW-5S	02/15/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	05/05/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	08/04/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	11/02/2016	ND	0.5000		
Fluoride	mg/L	BW-5S	02/13/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	05/03/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	08/16/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	11/07/2017	ND	0.5000		
Fluoride	mg/L	BW-5S	02/08/2018	ND	0.5000		
Fluoride	mg/L	BW-5S	08/23/2018	ND	0.5000		
Fluoride	mg/L	BW-5S	02/08/2019	ND	0.5000		
Fluoride	mg/L	BW-5S	08/27/2019	ND	0.5000		
Fluoride	mg/L	BW-5S	02/11/2020	ND	0.5000		
Fluoride	mg/L	BW-5S	08/24/2020	ND	0.5000		
Fluoride	mg/L	BW-5S	02/08/2021	ND	0.5000		
Fluoride	mg/L	BW-5S	08/20/2021	ND	0.5000		
Fluoride	mg/L	BW-5S	02/10/2022	ND	0.5000		
Fluoride	mg/L	BW-5S	08/16/2022	ND	0.5000		
Fluoride	mg/L	BW-5S	02/10/2023	ND	0.5000		
Fluoride	mg/L	BW-5S	08/17/2023	ND	0.5000		
Fluoride	mg/L	BW-5S	02/09/2024	ND	0.5000		
Fluoride	mg/L	BW-5S	08/21/2024	ND	0.5000		
Fluoride	mg/L	BW-5S	02/10/2025	ND	0.5000		
Fluoride	mg/L	BW-5S	08/21/2025	ND	0.5000		
Lead	ug/L	BW-1S	10/05/2011	ND	9.0000		
Lead	ug/L	BW-1S	02/14/2012	ND	9.0000		
Lead	ug/L	BW-1S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-1S	02/14/2013	ND	9.0000		
Lead	ug/L	BW-1S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-1S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-1S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-1S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-1S	12/17/2015	ND	9.0000		
Lead	ug/L	BW-1S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-1S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-1S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-1S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-1S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-1S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-1S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-1S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-1S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-1S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-1S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-1S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-1S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-1S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-1S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-1S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-1S	02/10/2022	ND	9.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	BW-1S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-1S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-1S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-1S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-1S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-1S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-1S	08/22/2025	ND	9.0000		
Lead	ug/L	BW-2S	10/05/2011	ND	9.0000		
Lead	ug/L	BW-2S	02/14/2012	ND	9.0000		
Lead	ug/L	BW-2S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-2S	02/14/2013	ND	9.0000		
Lead	ug/L	BW-2S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-2S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-2S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-2S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-2S	12/17/2015	ND	9.0000		
Lead	ug/L	BW-2S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-2S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-2S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-2S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-2S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-2S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-2S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-2S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-2S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-2S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-2S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-2S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-2S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-2S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-2S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-2S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-2S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-2S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-2S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-2S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-2S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-2S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-2S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-2S	08/22/2025	ND	9.0000		
Lead	ug/L	BW-3SR	02/15/2012	ND	9.0000		
Lead	ug/L	BW-3SR	08/16/2012	ND	9.0000		
Lead	ug/L	BW-3SR	02/15/2013	ND	9.0000		
Lead	ug/L	BW-3SR	08/21/2013	ND	9.0000		
Lead	ug/L	BW-3SR	08/27/2014	ND	9.0000		
Lead	ug/L	BW-3SR	02/13/2015	ND	9.0000		
Lead	ug/L	BW-3SR	08/17/2015	ND	9.0000		
Lead	ug/L	BW-3SR	12/17/2015	ND	9.0000		
Lead	ug/L	BW-3SR	02/16/2016	ND	9.0000		
Lead	ug/L	BW-3SR	05/05/2016	ND	9.0000		
Lead	ug/L	BW-3SR	08/04/2016	ND	9.0000		
Lead	ug/L	BW-3SR	11/03/2016	ND	9.0000		
Lead	ug/L	BW-3SR	02/13/2017	ND	9.0000		
Lead	ug/L	BW-3SR	05/03/2017	ND	9.0000		
Lead	ug/L	BW-3SR	08/16/2017	ND	9.0000		
Lead	ug/L	BW-3SR	11/07/2017	ND	9.0000		
Lead	ug/L	BW-3SR	02/08/2018	ND	9.0000		
Lead	ug/L	BW-3SR	08/23/2018	ND	9.0000		
Lead	ug/L	BW-3SR	02/08/2019	ND	9.0000		
Lead	ug/L	BW-3SR	08/27/2019	ND	9.0000		
Lead	ug/L	BW-3SR	02/11/2020	ND	9.0000		
Lead	ug/L	BW-3SR	08/24/2020	ND	9.0000		
Lead	ug/L	BW-3SR	02/08/2021	ND	9.0000		
Lead	ug/L	BW-3SR	08/20/2021	ND	9.0000		
Lead	ug/L	BW-3SR	02/10/2022	ND	9.0000		
Lead	ug/L	BW-3SR	08/16/2022	ND	9.0000		
Lead	ug/L	BW-3SR	02/10/2023	ND	9.0000		
Lead	ug/L	BW-3SR	08/17/2023	ND	9.0000		
Lead	ug/L	BW-3SR	02/09/2024	ND	9.0000		
Lead	ug/L	BW-3SR	08/21/2024	ND	9.0000		
Lead	ug/L	BW-3SR	02/10/2025	ND	9.0000		
Lead	ug/L	BW-3SR	08/21/2025	ND	9.0000		
Lead	ug/L	BW-4S	10/04/2011	ND	9.0000		
Lead	ug/L	BW-4S	02/13/2012	ND	9.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lead	ug/L	BW-4S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-4S	02/15/2013	ND	9.0000		
Lead	ug/L	BW-4S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-4S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-4S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-4S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-4S	12/17/2015	ND	9.0000		
Lead	ug/L	BW-4S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-4S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-4S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-4S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-4S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-4S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-4S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-4S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-4S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-4S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-4S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-4S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-4S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-4S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-4S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-4S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-4S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-4S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-4S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-4S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-4S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-4S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-4S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-4S	08/21/2025	ND	9.0000		
Lead	ug/L	BW-5S	10/04/2011	ND	9.0000		
Lead	ug/L	BW-5S	02/15/2012	ND	9.0000		
Lead	ug/L	BW-5S	08/15/2012	ND	9.0000		
Lead	ug/L	BW-5S	02/15/2013	ND	9.0000		
Lead	ug/L	BW-5S	08/21/2013	ND	9.0000		
Lead	ug/L	BW-5S	08/27/2014	ND	9.0000		
Lead	ug/L	BW-5S	02/13/2015	ND	9.0000		
Lead	ug/L	BW-5S	08/17/2015	ND	9.0000		
Lead	ug/L	BW-5S	02/15/2016	ND	9.0000		
Lead	ug/L	BW-5S	05/05/2016	ND	9.0000		
Lead	ug/L	BW-5S	08/04/2016	ND	9.0000		
Lead	ug/L	BW-5S	11/02/2016	ND	9.0000		
Lead	ug/L	BW-5S	02/13/2017	ND	9.0000		
Lead	ug/L	BW-5S	05/03/2017	ND	9.0000		
Lead	ug/L	BW-5S	08/16/2017	ND	9.0000		
Lead	ug/L	BW-5S	11/07/2017	ND	9.0000		
Lead	ug/L	BW-5S	02/08/2018	ND	9.0000		
Lead	ug/L	BW-5S	08/23/2018	ND	9.0000		
Lead	ug/L	BW-5S	02/08/2019	ND	9.0000		
Lead	ug/L	BW-5S	08/27/2019	ND	9.0000		
Lead	ug/L	BW-5S	02/11/2020	ND	9.0000		
Lead	ug/L	BW-5S	08/24/2020	ND	9.0000		
Lead	ug/L	BW-5S	02/08/2021	ND	9.0000		
Lead	ug/L	BW-5S	08/20/2021	ND	9.0000		
Lead	ug/L	BW-5S	02/10/2022	ND	9.0000		
Lead	ug/L	BW-5S	08/16/2022	ND	9.0000		
Lead	ug/L	BW-5S	02/10/2023	ND	9.0000		
Lead	ug/L	BW-5S	08/17/2023	ND	9.0000		
Lead	ug/L	BW-5S	02/09/2024	ND	9.0000		
Lead	ug/L	BW-5S	08/21/2024	ND	9.0000		
Lead	ug/L	BW-5S	02/10/2025	ND	9.0000		
Lead	ug/L	BW-5S	08/21/2025	ND	9.0000		
Lithium	ug/L	BW-1S	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-1S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-1S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-1S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-1S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-1S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-1S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-1S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-1S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-1S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-1S	08/23/2018	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium	ug/L	BW-1S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-1S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-1S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-1S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-1S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-1S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-1S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-1S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-1S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-1S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-1S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-1S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-1S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-1S	08/22/2025	ND	20.0000		
Lithium	ug/L	BW-2S	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-2S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-2S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-2S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-2S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-2S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-2S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-2S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-2S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-2S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-2S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-2S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-2S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-2S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-2S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-2S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-2S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-2S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-2S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-2S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-2S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-2S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-2S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-2S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-2S	08/22/2025	ND	20.0000		
Lithium	ug/L	BW-3SR	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-3SR	02/16/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	11/03/2016	ND	20.0000		
Lithium	ug/L	BW-3SR	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-3SR	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-3SR	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-3SR	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-3SR	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-3SR	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-3SR	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-3SR	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-3SR	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-3SR	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-3SR	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-3SR	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-3SR	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-3SR	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-3SR	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-3SR	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-3SR	08/21/2025	ND	20.0000		
Lithium	ug/L	BW-4S	12/17/2015	ND	10.0000	20.0000	**
Lithium	ug/L	BW-4S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-4S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-4S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-4S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-4S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-4S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-4S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-4S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-4S	02/08/2018	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Lithium	ug/L	BW-4S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-4S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-4S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-4S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-4S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-4S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-4S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-4S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-4S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-4S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-4S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-4S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-4S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-4S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-4S	08/21/2025	ND	20.0000		
Lithium	ug/L	BW-5S	02/15/2016	ND	20.0000		
Lithium	ug/L	BW-5S	05/05/2016	ND	20.0000		
Lithium	ug/L	BW-5S	08/04/2016	ND	20.0000		
Lithium	ug/L	BW-5S	11/02/2016	ND	20.0000		
Lithium	ug/L	BW-5S	02/13/2017	ND	20.0000		
Lithium	ug/L	BW-5S	05/03/2017	ND	20.0000		
Lithium	ug/L	BW-5S	08/16/2017	ND	20.0000		
Lithium	ug/L	BW-5S	11/07/2017	ND	20.0000		
Lithium	ug/L	BW-5S	02/08/2018	ND	20.0000		
Lithium	ug/L	BW-5S	08/23/2018	ND	20.0000		
Lithium	ug/L	BW-5S	02/08/2019	ND	20.0000		
Lithium	ug/L	BW-5S	08/27/2019	ND	20.0000		
Lithium	ug/L	BW-5S	02/11/2020	ND	20.0000		
Lithium	ug/L	BW-5S	08/24/2020	ND	20.0000		
Lithium	ug/L	BW-5S	02/08/2021	ND	20.0000		
Lithium	ug/L	BW-5S	08/20/2021	ND	20.0000		
Lithium	ug/L	BW-5S	02/10/2022	ND	20.0000		
Lithium	ug/L	BW-5S	08/16/2022	ND	20.0000		
Lithium	ug/L	BW-5S	02/10/2023	ND	20.0000		
Lithium	ug/L	BW-5S	08/17/2023	ND	20.0000		
Lithium	ug/L	BW-5S	02/09/2024	ND	20.0000		
Lithium	ug/L	BW-5S	08/21/2024	ND	20.0000		
Lithium	ug/L	BW-5S	02/10/2025	ND	20.0000		
Lithium	ug/L	BW-5S	08/21/2025	ND	20.0000		
Mercury	ug/L	BW-1S	10/05/2011	ND	0.2000		
Mercury	ug/L	BW-1S	02/14/2012	ND	0.2000		
Mercury	ug/L	BW-1S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-1S	02/14/2013	ND	0.2000		
Mercury	ug/L	BW-1S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-1S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-1S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-1S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-1S	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-1S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-1S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-1S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-1S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-1S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-1S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-1S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-1S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-1S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-1S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-1S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-1S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-1S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-1S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-1S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-1S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-1S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-1S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-1S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-1S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-1S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-1S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-1S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-1S	08/22/2025	ND	0.2000		
Mercury	ug/L	BW-2S	10/05/2011	ND	0.2000		
Mercury	ug/L	BW-2S	02/14/2012	ND	0.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	BW-2S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-2S	02/14/2013	ND	0.2000		
Mercury	ug/L	BW-2S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-2S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-2S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-2S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-2S	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-2S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-2S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-2S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-2S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-2S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-2S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-2S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-2S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-2S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-2S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-2S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-2S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-2S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-2S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-2S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-2S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-2S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-2S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-2S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-2S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-2S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-2S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-2S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-2S	08/22/2025	ND	0.2000		
Mercury	ug/L	BW-3SR	02/15/2012	ND	0.2000		
Mercury	ug/L	BW-3SR	08/16/2012	ND	0.2000		
Mercury	ug/L	BW-3SR	02/15/2013	ND	0.2000		
Mercury	ug/L	BW-3SR	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-3SR	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-3SR	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-3SR	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-3SR	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-3SR	02/16/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	11/03/2016	ND	0.2000		
Mercury	ug/L	BW-3SR	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-3SR	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-3SR	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-3SR	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-3SR	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-3SR	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-3SR	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-3SR	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-3SR	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-3SR	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-3SR	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-3SR	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-3SR	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-3SR	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-3SR	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-3SR	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-3SR	08/21/2025	ND	0.2000		
Mercury	ug/L	BW-4S	10/04/2011	ND	0.2000		
Mercury	ug/L	BW-4S	02/13/2012	ND	0.2000		
Mercury	ug/L	BW-4S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-4S	02/15/2013	ND	0.2000		
Mercury	ug/L	BW-4S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-4S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-4S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-4S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-4S	12/17/2015	ND	0.2000		
Mercury	ug/L	BW-4S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-4S	05/05/2016	ND	0.2000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Mercury	ug/L	BW-4S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-4S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-4S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-4S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-4S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-4S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-4S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-4S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-4S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-4S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-4S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-4S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-4S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-4S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-4S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-4S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-4S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-4S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-4S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-4S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-4S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-4S	08/21/2025	ND	0.2000		
Mercury	ug/L	BW-5S	10/04/2011	ND	0.2000		
Mercury	ug/L	BW-5S	02/15/2012	ND	0.2000		
Mercury	ug/L	BW-5S	08/15/2012	ND	0.2000		
Mercury	ug/L	BW-5S	02/15/2013	ND	0.2000		
Mercury	ug/L	BW-5S	08/21/2013	ND	0.2000		
Mercury	ug/L	BW-5S	08/27/2014	ND	0.2000		
Mercury	ug/L	BW-5S	02/13/2015	ND	0.2000		
Mercury	ug/L	BW-5S	08/17/2015	ND	0.2000		
Mercury	ug/L	BW-5S	02/15/2016	ND	0.2000		
Mercury	ug/L	BW-5S	05/05/2016	ND	0.2000		
Mercury	ug/L	BW-5S	08/04/2016	ND	0.2000		
Mercury	ug/L	BW-5S	11/02/2016	ND	0.2000		
Mercury	ug/L	BW-5S	02/13/2017	ND	0.2000		
Mercury	ug/L	BW-5S	05/03/2017	ND	0.2000		
Mercury	ug/L	BW-5S	08/16/2017	ND	0.2000		
Mercury	ug/L	BW-5S	11/07/2017	ND	0.2000		
Mercury	ug/L	BW-5S	02/08/2018	ND	0.2000		
Mercury	ug/L	BW-5S	08/23/2018	ND	0.2000		
Mercury	ug/L	BW-5S	02/08/2019	ND	0.2000		
Mercury	ug/L	BW-5S	08/27/2019	ND	0.2000		
Mercury	ug/L	BW-5S	02/11/2020	ND	0.2000		
Mercury	ug/L	BW-5S	08/24/2020	ND	0.2000		
Mercury	ug/L	BW-5S	02/08/2021	ND	0.2000		
Mercury	ug/L	BW-5S	08/20/2021	ND	0.2000		
Mercury	ug/L	BW-5S	02/10/2022	ND	0.2000		
Mercury	ug/L	BW-5S	08/16/2022	ND	0.2000		
Mercury	ug/L	BW-5S	02/10/2023	ND	0.2000		
Mercury	ug/L	BW-5S	08/17/2023	ND	0.2000		
Mercury	ug/L	BW-5S	02/09/2024	ND	0.2000		
Mercury	ug/L	BW-5S	08/21/2024	ND	0.2000		
Mercury	ug/L	BW-5S	02/10/2025	ND	0.2000		
Mercury	ug/L	BW-5S	08/21/2025	ND	0.2000		
Molybdenum	ug/L	BW-1S	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/10/2023	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum	ug/L	BW-1S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-1S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-1S	08/22/2025	ND	20.0000		
Molybdenum	ug/L	BW-2S	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-2S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-2S	08/22/2025	ND	20.0000		
Molybdenum	ug/L	BW-3SR	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/16/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	11/03/2016	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-3SR	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-3SR	08/21/2025	ND	20.0000		
Molybdenum	ug/L	BW-4S	12/17/2015	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/16/2022	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Molybdenum	ug/L	BW-4S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-4S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-4S	08/21/2025	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/15/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	05/05/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/04/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	11/02/2016	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/13/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	05/03/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/16/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	11/07/2017	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/08/2018	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/23/2018	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/08/2019	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/27/2019	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/11/2020	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/24/2020	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/08/2021	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/20/2021	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/10/2022	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/16/2022	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/10/2023	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/17/2023	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/09/2024	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/21/2024	ND	20.0000		
Molybdenum	ug/L	BW-5S	02/10/2025	ND	20.0000		
Molybdenum	ug/L	BW-5S	08/21/2025	ND	20.0000		
pH (Field)	S.U.	BW-1S	10/05/2011		4.6300		
pH (Field)	S.U.	BW-1S	02/14/2012		4.0100		
pH (Field)	S.U.	BW-1S	08/15/2012		4.5400		
pH (Field)	S.U.	BW-1S	02/14/2013		4.1600		
pH (Field)	S.U.	BW-1S	08/21/2013		4.2400		
pH (Field)	S.U.	BW-1S	08/27/2014		4.6600		
pH (Field)	S.U.	BW-1S	02/13/2015		4.6100		
pH (Field)	S.U.	BW-1S	08/17/2015		4.7200		
pH (Field)	S.U.	BW-1S	12/17/2015		4.6700		
pH (Field)	S.U.	BW-1S	02/15/2016		4.8000		
pH (Field)	S.U.	BW-1S	02/25/2016		4.7300		
pH (Field)	S.U.	BW-1S	05/05/2016		4.3200		
pH (Field)	S.U.	BW-1S	08/04/2016		5.1100		
pH (Field)	S.U.	BW-1S	11/02/2016		4.6000		
pH (Field)	S.U.	BW-1S	02/13/2017		4.6500		
pH (Field)	S.U.	BW-1S	05/03/2017		4.4400		
pH (Field)	S.U.	BW-1S	08/16/2017		4.0300		
pH (Field)	S.U.	BW-1S	11/07/2017		4.1300		
pH (Field)	S.U.	BW-1S	02/08/2018		4.4200		
pH (Field)	S.U.	BW-1S	08/23/2018		4.5200		
pH (Field)	S.U.	BW-1S	02/08/2019		4.3900		
pH (Field)	S.U.	BW-1S	08/27/2019		4.5200		
pH (Field)	S.U.	BW-1S	02/11/2020		4.3300		
pH (Field)	S.U.	BW-1S	08/24/2020		4.3700		
pH (Field)	S.U.	BW-1S	02/08/2021		5.5600		
pH (Field)	S.U.	BW-1S	08/20/2021		5.5600		
pH (Field)	S.U.	BW-1S	02/10/2022		5.6500		
pH (Field)	S.U.	BW-1S	08/16/2022		5.6500		
pH (Field)	S.U.	BW-1S	02/10/2023		5.6400		
pH (Field)	S.U.	BW-1S	08/17/2023		5.5800		
pH (Field)	S.U.	BW-1S	02/09/2024		5.7400		
pH (Field)	S.U.	BW-1S	08/21/2024		5.4300		
pH (Field)	S.U.	BW-1S	02/10/2025		5.6800		
pH (Field)	S.U.	BW-1S	08/22/2025		5.5000		
pH (Field)	S.U.	BW-2S	10/05/2011		5.4500		
pH (Field)	S.U.	BW-2S	02/14/2012		5.0100		
pH (Field)	S.U.	BW-2S	08/15/2012		5.8400		
pH (Field)	S.U.	BW-2S	02/14/2013		4.8000		
pH (Field)	S.U.	BW-2S	08/21/2013		5.5600		
pH (Field)	S.U.	BW-2S	08/27/2014		5.4700		
pH (Field)	S.U.	BW-2S	02/13/2015		5.5200		
pH (Field)	S.U.	BW-2S	08/17/2015		6.1100		
pH (Field)	S.U.	BW-2S	12/17/2015		5.5400		
pH (Field)	S.U.	BW-2S	02/15/2016		5.8700		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result	Adjusted
pH (Field)	S.U.	BW-2S	02/25/2016	5.9400	
pH (Field)	S.U.	BW-2S	05/05/2016	5.5100	
pH (Field)	S.U.	BW-2S	08/04/2016	5.6100	
pH (Field)	S.U.	BW-2S	11/02/2016	5.5700	
pH (Field)	S.U.	BW-2S	02/13/2017	5.2100	
pH (Field)	S.U.	BW-2S	05/03/2017	5.0300	
pH (Field)	S.U.	BW-2S	08/16/2017	5.3500	
pH (Field)	S.U.	BW-2S	11/07/2017	5.4100	
pH (Field)	S.U.	BW-2S	02/08/2018	5.6300	
pH (Field)	S.U.	BW-2S	08/23/2018	5.7800	
pH (Field)	S.U.	BW-2S	02/08/2019	5.6200	
pH (Field)	S.U.	BW-2S	08/27/2019	5.8800	
pH (Field)	S.U.	BW-2S	02/11/2020	5.7100	
pH (Field)	S.U.	BW-2S	08/24/2020	4.5700	
pH (Field)	S.U.	BW-2S	02/08/2021	6.0900	
pH (Field)	S.U.	BW-2S	08/20/2021	6.2000	
pH (Field)	S.U.	BW-2S	02/10/2022	6.2900	
pH (Field)	S.U.	BW-2S	08/16/2022	6.2100	
pH (Field)	S.U.	BW-2S	02/10/2023	6.2000	
pH (Field)	S.U.	BW-2S	08/17/2023	5.8300	
pH (Field)	S.U.	BW-2S	02/09/2024	5.6800	
pH (Field)	S.U.	BW-2S	08/21/2024	5.2400	
pH (Field)	S.U.	BW-2S	02/10/2025	5.3700	
pH (Field)	S.U.	BW-2S	08/22/2025	5.7900	
pH (Field)	S.U.	BW-3SR	02/15/2012	5.0300	
pH (Field)	S.U.	BW-3SR	08/16/2012	5.4800	
pH (Field)	S.U.	BW-3SR	02/15/2013	5.3000	
pH (Field)	S.U.	BW-3SR	08/21/2013	5.3700	
pH (Field)	S.U.	BW-3SR	08/27/2014	5.4800	
pH (Field)	S.U.	BW-3SR	02/13/2015	5.6200	
pH (Field)	S.U.	BW-3SR	08/17/2015	5.7900	
pH (Field)	S.U.	BW-3SR	12/17/2015	5.4400	
pH (Field)	S.U.	BW-3SR	02/16/2016	4.9200	
pH (Field)	S.U.	BW-3SR	02/25/2016	5.7000	
pH (Field)	S.U.	BW-3SR	05/05/2016	5.3700	
pH (Field)	S.U.	BW-3SR	08/04/2016	5.6700	
pH (Field)	S.U.	BW-3SR	11/03/2016	5.6900	
pH (Field)	S.U.	BW-3SR	02/13/2017	5.5700	
pH (Field)	S.U.	BW-3SR	05/03/2017	5.5100	
pH (Field)	S.U.	BW-3SR	08/16/2017	5.3300	
pH (Field)	S.U.	BW-3SR	11/07/2017	5.2300	
pH (Field)	S.U.	BW-3SR	02/08/2018	5.6800	
pH (Field)	S.U.	BW-3SR	08/23/2018	5.6100	
pH (Field)	S.U.	BW-3SR	02/08/2019	4.2100	
pH (Field)	S.U.	BW-3SR	08/27/2019	5.6500	
pH (Field)	S.U.	BW-3SR	02/11/2020	5.5700	
pH (Field)	S.U.	BW-3SR	08/24/2020	5.6200	
pH (Field)	S.U.	BW-3SR	02/08/2021	5.5800	
pH (Field)	S.U.	BW-3SR	08/20/2021	5.5300	
pH (Field)	S.U.	BW-3SR	02/10/2022	5.6600	
pH (Field)	S.U.	BW-3SR	08/16/2022	5.5900	
pH (Field)	S.U.	BW-3SR	02/10/2023	5.5800	
pH (Field)	S.U.	BW-3SR	08/17/2023	5.6300	
pH (Field)	S.U.	BW-3SR	02/09/2024	5.5000	
pH (Field)	S.U.	BW-3SR	08/21/2024	5.5200	
pH (Field)	S.U.	BW-3SR	02/10/2025	5.5800	
pH (Field)	S.U.	BW-3SR	08/21/2025	5.5900	
pH (Field)	S.U.	BW-4S	10/04/2011	4.6800	
pH (Field)	S.U.	BW-4S	02/13/2012	4.6300	
pH (Field)	S.U.	BW-4S	08/15/2012	4.5200	
pH (Field)	S.U.	BW-4S	02/15/2013	4.2700	
pH (Field)	S.U.	BW-4S	08/21/2013	4.1200	
pH (Field)	S.U.	BW-4S	08/27/2014	4.3800	
pH (Field)	S.U.	BW-4S	02/13/2015	4.4000	
pH (Field)	S.U.	BW-4S	08/17/2015	4.3900	
pH (Field)	S.U.	BW-4S	12/17/2015	3.8800	
pH (Field)	S.U.	BW-4S	02/15/2016	4.3600	
pH (Field)	S.U.	BW-4S	02/24/2016	4.2700	
pH (Field)	S.U.	BW-4S	05/05/2016	4.0600	
pH (Field)	S.U.	BW-4S	08/04/2016	4.2900	
pH (Field)	S.U.	BW-4S	11/02/2016	4.3200	
pH (Field)	S.U.	BW-4S	02/13/2017	4.4600	
pH (Field)	S.U.	BW-4S	05/03/2017	4.1800	
pH (Field)	S.U.	BW-4S	08/16/2017	4.0000	

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result	Adjusted
pH (Field)	S.U.	BW-4S	11/07/2017	3.8900	
pH (Field)	S.U.	BW-4S	02/08/2018	4.0000	
pH (Field)	S.U.	BW-4S	08/23/2018	4.0000	
pH (Field)	S.U.	BW-4S	02/08/2019	4.1100	
pH (Field)	S.U.	BW-4S	08/27/2019	4.5500	
pH (Field)	S.U.	BW-4S	02/11/2020	4.3000	
pH (Field)	S.U.	BW-4S	08/24/2020	4.2900	
pH (Field)	S.U.	BW-4S	02/08/2021	4.8700	
pH (Field)	S.U.	BW-4S	08/20/2021	4.8800	
pH (Field)	S.U.	BW-4S	02/10/2022	4.7600	
pH (Field)	S.U.	BW-4S	08/16/2022	4.7600	
pH (Field)	S.U.	BW-4S	02/10/2023	4.6600	
pH (Field)	S.U.	BW-4S	08/17/2023	4.8200	
pH (Field)	S.U.	BW-4S	02/09/2024	4.8800	
pH (Field)	S.U.	BW-4S	08/21/2024	4.9800	
pH (Field)	S.U.	BW-4S	02/10/2025	4.5900	
pH (Field)	S.U.	BW-4S	08/21/2025	4.8300	
pH (Field)	S.U.	BW-5S	10/04/2011	4.9900	
pH (Field)	S.U.	BW-5S	02/15/2012	4.5700	
pH (Field)	S.U.	BW-5S	08/15/2012	5.6300	
pH (Field)	S.U.	BW-5S	02/15/2013	4.8200	
pH (Field)	S.U.	BW-5S	08/21/2013	5.2900	
pH (Field)	S.U.	BW-5S	08/27/2014	5.3700	
pH (Field)	S.U.	BW-5S	02/13/2015	5.6500	
pH (Field)	S.U.	BW-5S	08/17/2015	5.9300	
pH (Field)	S.U.	BW-5S	02/15/2016	5.7900	
pH (Field)	S.U.	BW-5S	02/24/2016	5.7100	
pH (Field)	S.U.	BW-5S	05/05/2016	5.4200	
pH (Field)	S.U.	BW-5S	08/04/2016	5.3900	
pH (Field)	S.U.	BW-5S	11/02/2016	5.3800	
pH (Field)	S.U.	BW-5S	02/13/2017	5.0900	
pH (Field)	S.U.	BW-5S	05/03/2017	4.9800	
pH (Field)	S.U.	BW-5S	08/16/2017	5.0700	
pH (Field)	S.U.	BW-5S	11/07/2017	5.1500	
pH (Field)	S.U.	BW-5S	02/08/2018	5.1500	
pH (Field)	S.U.	BW-5S	08/23/2018	5.5000	
pH (Field)	S.U.	BW-5S	02/08/2019	6.3600	
pH (Field)	S.U.	BW-5S	08/27/2019	5.9500	
pH (Field)	S.U.	BW-5S	02/11/2020	5.6700	
pH (Field)	S.U.	BW-5S	08/24/2020	5.6900	
pH (Field)	S.U.	BW-5S	02/08/2021	5.6000	
pH (Field)	S.U.	BW-5S	08/20/2021	5.6500	
pH (Field)	S.U.	BW-5S	02/10/2022	5.6300	
pH (Field)	S.U.	BW-5S	08/16/2022	5.6100	
pH (Field)	S.U.	BW-5S	02/10/2023	5.5600	
pH (Field)	S.U.	BW-5S	08/17/2023	5.5200	
pH (Field)	S.U.	BW-5S	02/09/2024	5.6300	
pH (Field)	S.U.	BW-5S	08/21/2024	5.4500	
pH (Field)	S.U.	BW-5S	02/10/2025	5.6200	
pH (Field)	S.U.	BW-5S	08/21/2025	5.9800	
Residue, filterable (tds)	mg/L	BW-1S	10/05/2011	78.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/14/2012	110.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/15/2012	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/14/2013	110.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/21/2013	96.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/27/2014	140.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/13/2015	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/17/2015	100.0000	
Residue, filterable (tds)	mg/L	BW-1S	12/17/2015	100.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/15/2016	110.0000	
Residue, filterable (tds)	mg/L	BW-1S	05/05/2016	130.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/04/2016	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	11/02/2016	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/13/2017	110.0000	
Residue, filterable (tds)	mg/L	BW-1S	05/03/2017	130.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/16/2017	130.0000	
Residue, filterable (tds)	mg/L	BW-1S	11/07/2017	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/08/2018	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/23/2018	100.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/08/2019	110.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/27/2019	120.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/11/2020	110.0000	
Residue, filterable (tds)	mg/L	BW-1S	08/24/2020	108.0000	
Residue, filterable (tds)	mg/L	BW-1S	02/08/2021	108.0000	

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Residue, filterable (tds)	mg/L	BW-1S	08/20/2021		138.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/10/2022		124.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/16/2022		148.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/10/2023		266.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/17/2023		159.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/09/2024		246.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/21/2024		321.0000		
Residue, filterable (tds)	mg/L	BW-1S	02/10/2025		172.0000		
Residue, filterable (tds)	mg/L	BW-1S	08/22/2025		289.0000		
Residue, filterable (tds)	mg/L	BW-2S	10/05/2011		60.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/14/2012		52.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/15/2012		280.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/14/2013		73.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/21/2013		170.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/27/2014		66.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/13/2015		89.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/17/2015		160.0000		
Residue, filterable (tds)	mg/L	BW-2S	12/17/2015		70.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/15/2016		140.0000		
Residue, filterable (tds)	mg/L	BW-2S	05/05/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/04/2016		150.0000		
Residue, filterable (tds)	mg/L	BW-2S	11/02/2016		100.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/13/2017		61.0000		
Residue, filterable (tds)	mg/L	BW-2S	05/03/2017		62.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/16/2017		130.0000		
Residue, filterable (tds)	mg/L	BW-2S	11/07/2017		59.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/08/2018		74.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/23/2018		150.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/08/2019		81.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/27/2019		170.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/11/2020		74.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/24/2020		73.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/08/2021		106.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/20/2021		201.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/10/2022		122.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/16/2022		78.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/10/2023		132.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/17/2023		80.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/09/2024		75.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/21/2024		84.0000		
Residue, filterable (tds)	mg/L	BW-2S	02/10/2025		68.0000		
Residue, filterable (tds)	mg/L	BW-2S	08/22/2025		145.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/15/2012		63.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/16/2012		250.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/15/2013		180.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/21/2013		180.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/27/2014		190.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/13/2015		170.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/17/2015		190.0000		
Residue, filterable (tds)	mg/L	BW-3SR	12/17/2015		160.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/16/2016		27.0000		
Residue, filterable (tds)	mg/L	BW-3SR	05/05/2016		160.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/04/2016		170.0000		
Residue, filterable (tds)	mg/L	BW-3SR	11/03/2016		190.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/13/2017		140.0000		
Residue, filterable (tds)	mg/L	BW-3SR	05/03/2017		500.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/16/2017		180.0000		
Residue, filterable (tds)	mg/L	BW-3SR	11/07/2017		190.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/08/2018		160.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/23/2018		220.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/08/2019		170.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/27/2019		510.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/11/2020		150.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/24/2020		97.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/08/2021		86.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/20/2021		591.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/10/2022		164.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/16/2022		88.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/10/2023		214.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/17/2023		97.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/09/2024		75.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/21/2024		326.0000		
Residue, filterable (tds)	mg/L	BW-3SR	02/10/2025		176.0000		
Residue, filterable (tds)	mg/L	BW-3SR	08/21/2025		222.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Residue, filterable (tds)	mg/L	BW-4S	10/04/2011		230.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/13/2012		240.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/15/2012		190.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/15/2013		240.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/21/2013		210.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/27/2014		280.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/13/2015		270.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/17/2015		300.0000		
Residue, filterable (tds)	mg/L	BW-4S	12/17/2015		260.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/15/2016		250.0000		
Residue, filterable (tds)	mg/L	BW-4S	05/05/2016		230.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/04/2016		230.0000		
Residue, filterable (tds)	mg/L	BW-4S	11/02/2016		220.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/13/2017		200.0000		
Residue, filterable (tds)	mg/L	BW-4S	05/03/2017		270.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/16/2017		250.0000		
Residue, filterable (tds)	mg/L	BW-4S	11/07/2017		320.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/08/2018		350.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/23/2018		330.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/08/2019		130.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/27/2019		140.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/11/2020		120.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/24/2020		80.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/08/2021		151.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/20/2021		198.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/10/2022		161.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/16/2022		137.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/10/2023		156.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/17/2023		150.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/09/2024		128.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/21/2024		185.0000		
Residue, filterable (tds)	mg/L	BW-4S	02/10/2025		201.0000		
Residue, filterable (tds)	mg/L	BW-4S	08/21/2025		214.0000		
Residue, filterable (tds)	mg/L	BW-5S	10/04/2011		140.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/15/2012		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/15/2012		220.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/15/2013		230.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/21/2013		180.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/27/2014		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/13/2015		140.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/17/2015		130.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/15/2016		180.0000		
Residue, filterable (tds)	mg/L	BW-5S	05/05/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/04/2016		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	11/02/2016		280.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/13/2017		310.0000		
Residue, filterable (tds)	mg/L	BW-5S	05/03/2017		310.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/16/2017		110.0000		
Residue, filterable (tds)	mg/L	BW-5S	11/07/2017		350.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/08/2018		300.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/23/2018		120.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/08/2019		160.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/27/2019		180.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/11/2020		200.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/24/2020		205.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/08/2021		172.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/20/2021		99.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/10/2022		167.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/16/2022		185.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/10/2023		248.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/17/2023		285.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/09/2024		214.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/21/2024		112.0000		
Residue, filterable (tds)	mg/L	BW-5S	02/10/2025		204.0000		
Residue, filterable (tds)	mg/L	BW-5S	08/21/2025		95.0000		
Selenium	ug/L	BW-1S	10/05/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/14/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/14/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	12/17/2015	ND	15.0000	20.0000	**

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium	ug/L	BW-1S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-1S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-1S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-1S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-1S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-1S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-1S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-1S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-1S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-1S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-1S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-1S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-1S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-1S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-1S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-1S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-1S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-1S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-1S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-1S	08/22/2025	ND	20.0000		
Selenium	ug/L	BW-2S	10/05/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/14/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/14/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-2S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-2S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-2S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-2S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-2S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-2S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-2S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-2S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-2S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-2S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-2S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-2S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-2S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-2S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-2S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-2S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-2S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-2S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-2S	08/22/2025	ND	20.0000		
Selenium	ug/L	BW-3SR	02/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/16/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/15/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/16/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	11/03/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-3SR	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-3SR	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-3SR	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-3SR	02/08/2018	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium	ug/L	BW-3SR	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-3SR	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-3SR	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-3SR	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-3SR	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-3SR	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-3SR	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-3SR	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-3SR	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-3SR	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-3SR	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-3SR	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-3SR	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-3SR	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-3SR	08/21/2025	ND	20.0000		
Selenium	ug/L	BW-4S	10/04/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/13/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/15/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	12/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-4S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-4S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-4S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-4S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-4S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-4S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-4S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-4S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-4S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-4S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-4S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-4S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-4S	08/16/2022	ND	20.0000		
Selenium	ug/L	BW-4S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-4S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-4S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-4S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-4S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-4S	08/21/2025	ND	20.0000		
Selenium	ug/L	BW-5S	10/04/2011	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/15/2012	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/15/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/21/2013	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/27/2014	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/13/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/17/2015	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/15/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	05/05/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	08/04/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	11/02/2016	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	02/13/2017	ND	15.0000	20.0000	**
Selenium	ug/L	BW-5S	05/03/2017	ND	20.0000		
Selenium	ug/L	BW-5S	08/16/2017	ND	20.0000		
Selenium	ug/L	BW-5S	11/07/2017	ND	20.0000		
Selenium	ug/L	BW-5S	02/08/2018	ND	20.0000		
Selenium	ug/L	BW-5S	08/23/2018	ND	20.0000		
Selenium	ug/L	BW-5S	02/08/2019	ND	20.0000		
Selenium	ug/L	BW-5S	08/27/2019	ND	20.0000		
Selenium	ug/L	BW-5S	02/11/2020	ND	20.0000		
Selenium	ug/L	BW-5S	08/24/2020	ND	20.0000		
Selenium	ug/L	BW-5S	02/08/2021	ND	20.0000		
Selenium	ug/L	BW-5S	08/20/2021	ND	20.0000		
Selenium	ug/L	BW-5S	02/10/2022	ND	20.0000		
Selenium	ug/L	BW-5S	08/16/2022	ND	20.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Selenium	ug/L	BW-5S	02/10/2023	ND	20.0000		
Selenium	ug/L	BW-5S	08/17/2023	ND	20.0000		
Selenium	ug/L	BW-5S	02/09/2024	ND	20.0000		
Selenium	ug/L	BW-5S	08/21/2024	ND	20.0000		
Selenium	ug/L	BW-5S	02/10/2025	ND	20.0000		
Selenium	ug/L	BW-5S	08/21/2025	ND	20.0000		
Sulfate	mg/L	BW-1S	12/17/2015	ND	9.6000	5.0000	**
Sulfate	mg/L	BW-1S	02/15/2016		25.0000		
Sulfate	mg/L	BW-1S	05/05/2016	ND	11.0000		
Sulfate	mg/L	BW-1S	08/04/2016		9.0000		
Sulfate	mg/L	BW-1S	11/02/2016		9.0000		
Sulfate	mg/L	BW-1S	02/13/2017		9.5000		
Sulfate	mg/L	BW-1S	05/03/2017		13.0000		
Sulfate	mg/L	BW-1S	08/16/2017		21.0000		
Sulfate	mg/L	BW-1S	11/07/2017		18.0000		
Sulfate	mg/L	BW-1S	02/08/2018		11.0000		
Sulfate	mg/L	BW-1S	08/23/2018		24.0000		
Sulfate	mg/L	BW-1S	02/08/2019		16.0000		
Sulfate	mg/L	BW-1S	08/27/2019		9.1000		
Sulfate	mg/L	BW-1S	02/11/2020		9.6000		
Sulfate	mg/L	BW-1S	08/24/2020		13.2000		
Sulfate	mg/L	BW-1S	02/08/2021		15.0000		
Sulfate	mg/L	BW-1S	08/20/2021		13.4000		
Sulfate	mg/L	BW-1S	02/10/2022		9.0700		
Sulfate	mg/L	BW-1S	08/16/2022		5.0000		
Sulfate	mg/L	BW-1S	02/10/2023		76.5000		
Sulfate	mg/L	BW-1S	08/17/2023		17.8000		
Sulfate	mg/L	BW-1S	02/09/2024		67.1000		
Sulfate	mg/L	BW-1S	08/21/2024		78.5000		
Sulfate	mg/L	BW-1S	02/10/2025		14.6000		
Sulfate	mg/L	BW-1S	08/22/2025		49.2000		
Sulfate	mg/L	BW-2S	12/17/2015	ND	5.0000		
Sulfate	mg/L	BW-2S	02/15/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	05/05/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	08/04/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	11/02/2016	ND	5.0000		
Sulfate	mg/L	BW-2S	02/13/2017	ND	5.0000		
Sulfate	mg/L	BW-2S	05/03/2017	ND	5.0000		
Sulfate	mg/L	BW-2S	08/16/2017		9.2000		
Sulfate	mg/L	BW-2S	11/07/2017	ND	5.0000		
Sulfate	mg/L	BW-2S	02/08/2018	ND	5.0000		
Sulfate	mg/L	BW-2S	08/23/2018	ND	5.0000		
Sulfate	mg/L	BW-2S	02/08/2019	ND	5.0000		
Sulfate	mg/L	BW-2S	08/27/2019	ND	5.0000		
Sulfate	mg/L	BW-2S	02/11/2020	ND	5.0000		
Sulfate	mg/L	BW-2S	08/24/2020		6.2600		
Sulfate	mg/L	BW-2S	02/08/2021		2.3100		
Sulfate	mg/L	BW-2S	08/20/2021	ND	5.0000		
Sulfate	mg/L	BW-2S	02/10/2022	ND	5.0000		
Sulfate	mg/L	BW-2S	08/16/2022	ND	5.0000		
Sulfate	mg/L	BW-2S	02/10/2023	ND	5.0000		
Sulfate	mg/L	BW-2S	08/17/2023	ND	5.0000		
Sulfate	mg/L	BW-2S	02/09/2024		3.6000		
Sulfate	mg/L	BW-2S	08/21/2024	ND	5.0000		
Sulfate	mg/L	BW-2S	02/10/2025	ND	5.0000		
Sulfate	mg/L	BW-2S	08/22/2025	ND	5.0000		
Sulfate	mg/L	BW-3SR	12/17/2015	ND	25.0000		
Sulfate	mg/L	BW-3SR	02/16/2016		5.0000		
Sulfate	mg/L	BW-3SR	05/05/2016		30.0000		
Sulfate	mg/L	BW-3SR	08/04/2016		21.0000		
Sulfate	mg/L	BW-3SR	11/03/2016		29.0000		
Sulfate	mg/L	BW-3SR	02/13/2017		17.0000		
Sulfate	mg/L	BW-3SR	05/03/2017		290.0000		
Sulfate	mg/L	BW-3SR	08/16/2017		23.0000		
Sulfate	mg/L	BW-3SR	11/07/2017		22.0000		
Sulfate	mg/L	BW-3SR	02/08/2018		16.0000		
Sulfate	mg/L	BW-3SR	08/23/2018		38.0000		
Sulfate	mg/L	BW-3SR	02/08/2019		28.0000		
Sulfate	mg/L	BW-3SR	08/27/2019		180.0000		
Sulfate	mg/L	BW-3SR	02/11/2020		21.0000		
Sulfate	mg/L	BW-3SR	08/24/2020		7.5400		
Sulfate	mg/L	BW-3SR	02/08/2021		6.5900		
Sulfate	mg/L	BW-3SR	08/20/2021		165.0000		
Sulfate	mg/L	BW-3SR	02/10/2022		26.7000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Sulfate	mg/L	BW-3SR	08/16/2022		10.4000		
Sulfate	mg/L	BW-3SR	02/10/2023		40.4000		
Sulfate	mg/L	BW-3SR	08/17/2023		12.7000		
Sulfate	mg/L	BW-3SR	02/09/2024		8.7100		
Sulfate	mg/L	BW-3SR	08/21/2024		46.2000		
Sulfate	mg/L	BW-3SR	02/10/2025		32.7000		
Sulfate	mg/L	BW-3SR	08/21/2025		35.9000		
Sulfate	mg/L	BW-4S	12/17/2015		170.0000		
Sulfate	mg/L	BW-4S	02/15/2016		160.0000		
Sulfate	mg/L	BW-4S	05/05/2016		150.0000		
Sulfate	mg/L	BW-4S	08/04/2016		140.0000		
Sulfate	mg/L	BW-4S	11/02/2016		160.0000		
Sulfate	mg/L	BW-4S	02/13/2017		120.0000		
Sulfate	mg/L	BW-4S	05/03/2017		190.0000		
Sulfate	mg/L	BW-4S	08/16/2017		170.0000		
Sulfate	mg/L	BW-4S	11/07/2017		210.0000		
Sulfate	mg/L	BW-4S	02/08/2018		240.0000		
Sulfate	mg/L	BW-4S	08/23/2018		210.0000		
Sulfate	mg/L	BW-4S	02/08/2019		92.0000		
Sulfate	mg/L	BW-4S	08/27/2019		82.0000		
Sulfate	mg/L	BW-4S	02/11/2020		65.0000		
Sulfate	mg/L	BW-4S	08/24/2020		44.0000		
Sulfate	mg/L	BW-4S	02/08/2021		90.8000		
Sulfate	mg/L	BW-4S	08/20/2021		123.0000		
Sulfate	mg/L	BW-4S	02/10/2022		96.2000		
Sulfate	mg/L	BW-4S	08/16/2022		87.5000		
Sulfate	mg/L	BW-4S	02/10/2023		89.1000		
Sulfate	mg/L	BW-4S	08/17/2023		82.9000		
Sulfate	mg/L	BW-4S	02/09/2024		86.1000		
Sulfate	mg/L	BW-4S	08/21/2024		100.0000		
Sulfate	mg/L	BW-4S	02/10/2025		127.0000		
Sulfate	mg/L	BW-4S	08/21/2025		102.0000		
Sulfate	mg/L	BW-5S	02/15/2016		52.0000		
Sulfate	mg/L	BW-5S	05/05/2016		8.9000		
Sulfate	mg/L	BW-5S	08/04/2016		12.0000		
Sulfate	mg/L	BW-5S	11/02/2016		140.0000		
Sulfate	mg/L	BW-5S	02/13/2017		180.0000		
Sulfate	mg/L	BW-5S	05/03/2017		200.0000		
Sulfate	mg/L	BW-5S	08/16/2017		11.0000		
Sulfate	mg/L	BW-5S	11/07/2017		180.0000		
Sulfate	mg/L	BW-5S	02/08/2018		160.0000		
Sulfate	mg/L	BW-5S	08/23/2018		9.7000		
Sulfate	mg/L	BW-5S	02/08/2019		77.0000		
Sulfate	mg/L	BW-5S	08/27/2019		38.0000		
Sulfate	mg/L	BW-5S	02/11/2020		110.0000		
Sulfate	mg/L	BW-5S	08/24/2020		114.0000		
Sulfate	mg/L	BW-5S	02/08/2021		85.5000		
Sulfate	mg/L	BW-5S	08/20/2021	ND	5.0000		
Sulfate	mg/L	BW-5S	02/10/2022		75.7000		
Sulfate	mg/L	BW-5S	08/16/2022		90.7000		
Sulfate	mg/L	BW-5S	02/10/2023		118.0000		
Sulfate	mg/L	BW-5S	08/17/2023		160.0000		
Sulfate	mg/L	BW-5S	02/09/2024		91.0000		
Sulfate	mg/L	BW-5S	08/21/2024		5.6900		
Sulfate	mg/L	BW-5S	02/10/2025		98.7000		
Sulfate	mg/L	BW-5S	08/21/2025		5.6400		
Thallium	ug/L	BW-1S	10/05/2011	ND	1.0000		
Thallium	ug/L	BW-1S	02/14/2012	ND	1.0000		
Thallium	ug/L	BW-1S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-1S	02/14/2013	ND	1.0000		
Thallium	ug/L	BW-1S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-1S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-1S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-1S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-1S	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-1S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-1S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-1S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-1S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-1S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-1S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-1S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-1S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-1S	02/08/2018	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	BW-1S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-1S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-1S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-1S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-1S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-1S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-1S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-1S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-1S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-1S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-1S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-1S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-1S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-1S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-1S	08/22/2025	ND	1.0000		
Thallium	ug/L	BW-2S	10/05/2011	ND	1.0000		
Thallium	ug/L	BW-2S	02/14/2012	ND	1.0000		
Thallium	ug/L	BW-2S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-2S	02/14/2013	ND	1.0000		
Thallium	ug/L	BW-2S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-2S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-2S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-2S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-2S	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-2S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-2S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-2S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-2S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-2S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-2S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-2S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-2S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-2S	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-2S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-2S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-2S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-2S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-2S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-2S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-2S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-2S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-2S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-2S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-2S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-2S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-2S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-2S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-2S	08/22/2025	ND	1.0000		
Thallium	ug/L	BW-3SR	02/15/2012	ND	1.0000		
Thallium	ug/L	BW-3SR	08/16/2012	ND	1.0000		
Thallium	ug/L	BW-3SR	02/15/2013	ND	1.0000		
Thallium	ug/L	BW-3SR	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-3SR	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-3SR	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-3SR	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-3SR	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-3SR	02/16/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	11/03/2016	ND	1.0000		
Thallium	ug/L	BW-3SR	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-3SR	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-3SR	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-3SR	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-3SR	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-3SR	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-3SR	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-3SR	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-3SR	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-3SR	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-3SR	08/16/2022	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	Adjusted	
Thallium	ug/L	BW-3SR	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-3SR	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-3SR	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-3SR	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-3SR	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-3SR	08/21/2025	ND	1.0000		
Thallium	ug/L	BW-4S	10/04/2011	ND	1.0000		
Thallium	ug/L	BW-4S	02/13/2012	ND	1.0000		
Thallium	ug/L	BW-4S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-4S	02/15/2013	ND	1.0000		
Thallium	ug/L	BW-4S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-4S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-4S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-4S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-4S	12/17/2015	ND	1.0000		
Thallium	ug/L	BW-4S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-4S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-4S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-4S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-4S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-4S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-4S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-4S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-4S	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-4S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-4S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-4S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-4S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-4S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-4S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-4S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-4S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-4S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-4S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-4S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-4S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-4S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-4S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-4S	08/21/2025	ND	1.0000		
Thallium	ug/L	BW-5S	10/04/2011	ND	1.0000		
Thallium	ug/L	BW-5S	02/15/2012	ND	1.0000		
Thallium	ug/L	BW-5S	08/15/2012	ND	1.0000		
Thallium	ug/L	BW-5S	02/15/2013	ND	1.0000		
Thallium	ug/L	BW-5S	08/21/2013	ND	1.0000		
Thallium	ug/L	BW-5S	08/27/2014	ND	1.0000		
Thallium	ug/L	BW-5S	02/13/2015	ND	1.0000		
Thallium	ug/L	BW-5S	08/17/2015	ND	1.0000		
Thallium	ug/L	BW-5S	02/15/2016	ND	1.0000		
Thallium	ug/L	BW-5S	05/05/2016	ND	1.0000		
Thallium	ug/L	BW-5S	08/04/2016	ND	1.0000		
Thallium	ug/L	BW-5S	11/02/2016	ND	1.0000		
Thallium	ug/L	BW-5S	02/13/2017	ND	1.0000		
Thallium	ug/L	BW-5S	05/03/2017	ND	1.0000		
Thallium	ug/L	BW-5S	08/16/2017	ND	1.0000		
Thallium	ug/L	BW-5S	11/07/2017	ND	1.0000		
Thallium	ug/L	BW-5S	02/08/2018	ND	1.0000		
Thallium	ug/L	BW-5S	08/23/2018	ND	1.0000		
Thallium	ug/L	BW-5S	02/08/2019	ND	1.0000		
Thallium	ug/L	BW-5S	08/27/2019	ND	1.0000		
Thallium	ug/L	BW-5S	02/11/2020	ND	1.0000		
Thallium	ug/L	BW-5S	08/24/2020	ND	1.0000		
Thallium	ug/L	BW-5S	02/08/2021	ND	1.0000		
Thallium	ug/L	BW-5S	08/20/2021	ND	1.0000		
Thallium	ug/L	BW-5S	02/10/2022	ND	1.0000		
Thallium	ug/L	BW-5S	08/16/2022	ND	1.0000		
Thallium	ug/L	BW-5S	02/10/2023	ND	1.0000		
Thallium	ug/L	BW-5S	08/17/2023	ND	1.0000		
Thallium	ug/L	BW-5S	02/09/2024	ND	1.0000		
Thallium	ug/L	BW-5S	08/21/2024	ND	1.0000		
Thallium	ug/L	BW-5S	02/10/2025	ND	1.0000		
Thallium	ug/L	BW-5S	08/21/2025	ND	1.0000		

* - Outlier for that well and constituent.

** - ND value replaced with median RL.

*** - ND value replaced with manual RL.

ND = Not detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Antimony	ug/L	DW-1SR	08/22/2025	ND	2.0000	2.0000
Antimony	ug/L	DW-2SR	08/22/2025	ND	2.0000	2.0000
Antimony	ug/L	DW-3SR	08/22/2025	ND	2.0000	2.0000
Antimony	ug/L	DW-4SR	08/22/2025	ND	2.0000	2.0000
Arsenic	ug/L	DW-1SR	08/22/2025	ND	5.0000	7.8000
Arsenic	ug/L	DW-2SR	08/22/2025	ND	5.0000	7.8000
Arsenic	ug/L	DW-3SR	08/22/2025	ND	5.0000	7.8000
Arsenic	ug/L	DW-4SR	08/22/2025	ND	5.0000	7.8000
Barium	ug/L	DW-1SR	08/22/2025	ND	10.0000	297.2840
Barium	ug/L	DW-2SR	08/22/2025	ND	10.0000	297.2840
Barium	ug/L	DW-3SR	08/22/2025	ND	10.0000	297.2840
Barium	ug/L	DW-4SR	08/22/2025	ND	10.0000	297.2840
Beryllium	ug/L	DW-1SR	08/22/2025	ND	1.0000	1.0000
Beryllium	ug/L	DW-2SR	08/22/2025	ND	1.0000	1.0000
Beryllium	ug/L	DW-3SR	08/22/2025	ND	1.0000	1.0000
Beryllium	ug/L	DW-4SR	08/22/2025	ND	1.0000	1.0000
Boron	ug/L	DW-1SR	08/22/2025	ND	100.0000	210.0000
Boron	ug/L	DW-2SR	08/22/2025	ND	100.0000	210.0000
Boron	ug/L	DW-3SR	08/22/2025	ND	100.0000	210.0000
Boron	ug/L	DW-4SR	08/22/2025	ND	100.0000	210.0000
Cadmium	ug/L	DW-1SR	08/22/2025	ND	5.0000	5.0000
Cadmium	ug/L	DW-2SR	08/22/2025	ND	5.0000	5.0000
Cadmium	ug/L	DW-3SR	08/22/2025	ND	5.0000	5.0000
Cadmium	ug/L	DW-4SR	08/22/2025	ND	5.0000	5.0000
Calcium	mg/L	DW-1SR	08/22/2025		15.7000	81.0000
Calcium	mg/L	DW-2SR	08/22/2025		17.7000	81.0000
Calcium	mg/L	DW-3SR	08/22/2025		69.5000	81.0000
Calcium	mg/L	DW-4SR	08/22/2025		38.4000	81.0000
Chloride	mg/L	DW-1SR	08/22/2025		3.0900	86.0000
Chloride	mg/L	DW-2SR	08/22/2025	ND	3.0000	86.0000
Chloride	mg/L	DW-3SR	08/22/2025	ND	3.0000	86.0000
Chloride	mg/L	DW-4SR	08/22/2025	ND	3.0000	86.0000
Chromium	ug/L	DW-1SR	08/22/2025	ND	10.0000	10.5000
Chromium	ug/L	DW-2SR	08/22/2025	ND	10.0000	10.5000
Chromium	ug/L	DW-3SR	08/22/2025	ND	10.0000	10.5000
Chromium	ug/L	DW-4SR	08/22/2025	ND	10.0000	10.5000
Cobalt	ug/L	DW-1SR	08/22/2025	ND	10.0000	10.0000
Cobalt	ug/L	DW-2SR	08/22/2025	ND	10.0000	10.0000
Cobalt	ug/L	DW-3SR	08/22/2025	ND	10.0000	10.0000
Cobalt	ug/L	DW-4SR	08/22/2025	ND	10.0000	10.0000
Fluoride	mg/L	DW-1SR	08/22/2025	ND	0.5000	0.5900
Fluoride	mg/L	DW-2SR	08/22/2025	ND	0.5000	0.5900
Fluoride	mg/L	DW-3SR	08/22/2025	ND	0.5000	0.5900
Fluoride	mg/L	DW-4SR	08/22/2025	ND	0.5000	0.5900
Lead	ug/L	DW-1SR	08/22/2025	ND	9.0000	9.0000
Lead	ug/L	DW-2SR	08/22/2025	ND	9.0000	9.0000
Lead	ug/L	DW-3SR	08/22/2025	ND	9.0000	9.0000
Lead	ug/L	DW-4SR	08/22/2025	ND	9.0000	9.0000
Lithium	ug/L	DW-1SR	08/22/2025	ND	20.0000	20.0000
Lithium	ug/L	DW-2SR	08/22/2025	ND	20.0000	20.0000
Lithium	ug/L	DW-3SR	08/22/2025	ND	20.0000	20.0000
Lithium	ug/L	DW-4SR	08/22/2025	ND	20.0000	20.0000
Mercury	ug/L	DW-1SR	08/22/2025	ND	0.2000	0.2000
Mercury	ug/L	DW-2SR	08/22/2025	ND	0.2000	0.2000
Mercury	ug/L	DW-3SR	08/22/2025	ND	0.2000	0.2000
Mercury	ug/L	DW-4SR	08/22/2025	ND	0.2000	0.2000
Molybdenum	ug/L	DW-1SR	08/22/2025	ND	20.0000	20.0000
Molybdenum	ug/L	DW-2SR	08/22/2025	ND	20.0000	20.0000
Molybdenum	ug/L	DW-3SR	08/22/2025	ND	20.0000	20.0000
Molybdenum	ug/L	DW-4SR	08/22/2025	ND	20.0000	20.0000
pH (Field)	S.U.	DW-1SR	08/22/2025		5.5400	3.88 - 6.36
pH (Field)	S.U.	DW-2SR	08/22/2025		6.0100	3.88 - 6.36
pH (Field)	S.U.	DW-3SR	08/22/2025		5.6300	3.88 - 6.36
pH (Field)	S.U.	DW-4SR	08/22/2025		6.0400	3.88 - 6.36
Residue, filterable (tds)	mg/L	DW-1SR	08/22/2025		95.0000	591.0000
Residue, filterable (tds)	mg/L	DW-2SR	08/22/2025		78.0000	591.0000
Residue, filterable (tds)	mg/L	DW-3SR	08/22/2025		266.0000	591.0000
Residue, filterable (tds)	mg/L	DW-4SR	08/22/2025		200.0000	591.0000
Selenium	ug/L	DW-1SR	08/22/2025	ND	20.0000	20.0000
Selenium	ug/L	DW-2SR	08/22/2025	ND	20.0000	20.0000
Selenium	ug/L	DW-3SR	08/22/2025	ND	20.0000	20.0000
Selenium	ug/L	DW-4SR	08/22/2025	ND	20.0000	20.0000

* - Current value failed - awaiting verification.

** - Current value passed - previous exceedance not verified.

*** - Current value failed - exceedance verified.

**** - Current value passed - awaiting one more verification.

***** - Insufficient background data to compute prediction limit.

ND = Not Detected, Result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result	Pred. Limit
Sulfate	mg/L	DW-1SR	08/22/2025	ND	9.8600	290.0000
Sulfate	mg/L	DW-2SR	08/22/2025		5.0000	290.0000
Sulfate	mg/L	DW-3SR	08/22/2025		106.0000	290.0000
Sulfate	mg/L	DW-4SR	08/22/2025		7.1700	290.0000
Thallium	ug/L	DW-1SR	08/22/2025	ND	1.0000	1.0000
Thallium	ug/L	DW-2SR	08/22/2025	ND	1.0000	1.0000
Thallium	ug/L	DW-3SR	08/22/2025	ND	1.0000	1.0000
Thallium	ug/L	DW-4SR	08/22/2025	ND	1.0000	1.0000

* - Current value failed - awaiting verification.
 ** - Current value passed - previous exceedance not verified.
 *** - Current value failed - exceedance verified.
 **** - Current value passed - awaiting one more verification.
 ***** - Insufficient background data to compute prediction limit.
 ND = Not Detected, Result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Detect	Upgradient N	Proportion	Detect	Downgradient N	Proportion
Antimony	0	163	0.000	0	111	0.000
Arsenic	3	163	0.018	0	111	0.000
Barium	84	163	0.515	54	111	0.486
Beryllium	0	163	0.000	0	111	0.000
Boron	1	124	0.008	28	99	0.283
Cadmium	0	163	0.000	0	111	0.000
Calcium	123	123	1.000	96	96	1.000
Chloride	156	162	0.963	76	107	0.710
Chromium	1	163	0.006	1	111	0.009
Cobalt	0	163	0.000	0	111	0.000
Fluoride	1	123	0.008	2	99	0.020
Lead	0	163	0.000	0	111	0.000
Lithium	0	124	0.000	0	99	0.000
Mercury	0	163	0.000	0	111	0.000
Molybdenum	0	124	0.000	0	99	0.000
pH (Field)	168	168	1.000	117	117	1.000
Residue, filterable (tds)	163	163	1.000	108	108	1.000
Selenium	0	163	0.000	0	111	0.000
Sulfate	99	124	0.798	90	95	0.947
Thallium	0	163	0.000	0	111	0.000

N = Total number of measurements in all wells.

Detect = Total number of detections in all wells.

Proportion = Detect/N.

Table 4

Shapiro-Wilk Multiple Group Test of Normality

Constituent	Detect	N	Detect Freq	G raw	G log	G cbrt	G sqrt	G sqr	G cub	Crit Value	Dist Form	Model Type
Antimony	0	163	0.000									nonpar
Arsenic	3	163	0.018	1.091	1.201					2.326	normal	nonpar
Barium	84	163	0.515	3.820	1.320					2.326	lognor	lognor
Beryllium	0	163	0.000									nonpar
Boron	1	124	0.008									nonpar
Cadmium	0	163	0.000									nonpar
Calcium	123	123	1.000	6.440	2.533					2.326	non-norm	nonpar
Chloride	156	162	0.963	4.004	2.559					2.326	non-norm	nonpar
Chromium	1	163	0.006									nonpar
Cobalt	0	163	0.000									nonpar
Fluoride	1	123	0.008									nonpar
Lead	0	163	0.000									nonpar
Lithium	0	124	0.000									nonpar
Mercury	0	163	0.000									nonpar
Molybdenum	0	124	0.000									nonpar
pH (Field)	168	168	1.000	4.085	4.640					2.326	non-norm	nonpar
Residue, filterable (tds)	163	163	1.000	6.293	3.926					2.326	non-norm	nonpar
Selenium	0	163	0.000									nonpar
Sulfate	99	124	0.798	5.721	3.295					2.326	non-norm	nonpar
Thallium	0	163	0.000									nonpar

* - Distribution override for that constituent.

Fit to distribution is confirmed if $G \leq$ critical value.

Model type may not match distributional form when detection frequency < 50%.

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Detect	N	Mean	SD	alpha	Factor	Pred Limit	Type		Conf
Antimony	ug/L	0	163	1.6781	1.7043	0.0100	2.3568	2.0000	nonpar	***	0.99
Arsenic	ug/L	3	163					7.8000	nonpar		0.99
Barium	ug/L	84	163					297.2840	lognor		
Beryllium	ug/L	0	163					1.0000	nonpar	***	0.99
Boron	ug/L	1	124					210.0000	nonpar		0.99
Cadmium	ug/L	0	163					5.0000	nonpar	***	0.99
Calcium	mg/L	123	123					81.0000	nonpar		0.99
Chloride	mg/L	156	162					86.0000	nonpar		0.99
Chromium	ug/L	1	163					10.5000	nonpar		0.99
Cobalt	ug/L	0	163					10.0000	nonpar	***	0.99
Fluoride	mg/L	1	123					0.5900	nonpar		0.99
Lead	ug/L	0	163					9.0000	nonpar	***	0.99
Lithium	ug/L	0	124					20.0000	nonpar	***	0.99
Mercury	ug/L	0	163					0.2000	nonpar	***	0.99
Molybdenum	ug/L	0	124					20.0000	nonpar	***	0.99
pH (Field)	S.U.	168	168					3.88- 6.36	nonpar		0.99
Residue, filterable (tds)	mg/L	163	163					591.0000	nonpar		0.99
Selenium	ug/L	0	163					20.0000	nonpar	***	0.99
Sulfate	mg/L	99	124					290.0000	nonpar		0.99
Thallium	ug/L	0	163					1.0000	nonpar	***	0.99

Conf = confidence level for passing initial test or one of two verification resamples at all downgradient wells for a single constituent (nonparametric test only).

* - Insufficient Data.

** - Calculated limit raised to Manual Reporting Limit.

*** - Nonparametric limit based on ND value.

For transformed data, mean and SD in transformed units and prediction limit in original units.

All sample sizes and statistics are based on outlier free data.

For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Calcium	mg/L	BW-3SR	02/16/2016	2.4000		12/17/2015-08/21/2025	25	0.4893
Fluoride	mg/L	BW-1S	02/15/2016	2.5000	< 2.5000	12/17/2015-08/22/2025	25	0.4893

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.

Table 8

**Historical Downgradient Data for Constituent-Well Combinations
that Failed the Current Statistical Evaluation or
are in Verification Resampling Mode**

Constituent	Units	Well	Date	Result	Pred. Limit
Calcium	mg/L	DW-4SR	12/17/2015	23.0000	81.0000
Calcium	mg/L	DW-4SR	02/16/2016	20.0000	81.0000
Calcium	mg/L	DW-4SR	05/05/2016	16.0000	81.0000
Calcium	mg/L	DW-4SR	08/04/2016	19.0000	81.0000
Calcium	mg/L	DW-4SR	11/03/2016	30.0000	81.0000
Calcium	mg/L	DW-4SR	02/13/2017	26.0000	81.0000
Calcium	mg/L	DW-4SR	05/03/2017	29.0000	81.0000
Calcium	mg/L	DW-4SR	08/16/2017	26.0000	81.0000
Calcium	mg/L	DW-4SR	11/07/2017	21.0000	81.0000
Calcium	mg/L	DW-4SR	02/09/2018	21.0000	81.0000
Calcium	mg/L	DW-4SR	08/23/2018	11.0000	81.0000
Calcium	mg/L	DW-4SR	02/08/2019	19.0000	81.0000
Calcium	mg/L	DW-4SR	08/27/2019	10.0000	81.0000
Calcium	mg/L	DW-4SR	02/12/2020	8.5000	81.0000
Calcium	mg/L	DW-4SR	08/25/2020	7.3000	81.0000
Calcium	mg/L	DW-4SR	02/08/2021	8.6900	81.0000
Calcium	mg/L	DW-4SR	08/20/2021	6.2000	81.0000
Calcium	mg/L	DW-4SR	02/11/2022	25.7000	81.0000
Calcium	mg/L	DW-4SR	08/16/2022	33.6000	81.0000
Calcium	mg/L	DW-4SR	02/10/2023	52.1000	81.0000
Calcium	mg/L	DW-4SR	08/18/2023	48.8000	81.0000
Calcium	mg/L	DW-4SR	02/09/2024	49.5000	81.0000
Calcium	mg/L	DW-4SR	08/21/2024	23.7000	81.0000
Calcium	mg/L	DW-4SR	02/10/2025	107.0000 *	81.0000
Calcium	mg/L	DW-4SR	08/22/2025	38.4000	81.0000

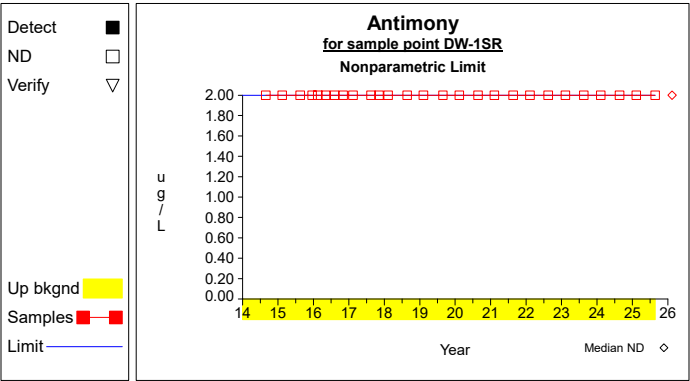
* - Significantly increased over background.

** - Detect at limit for 100% NDs in background (NPPL only).

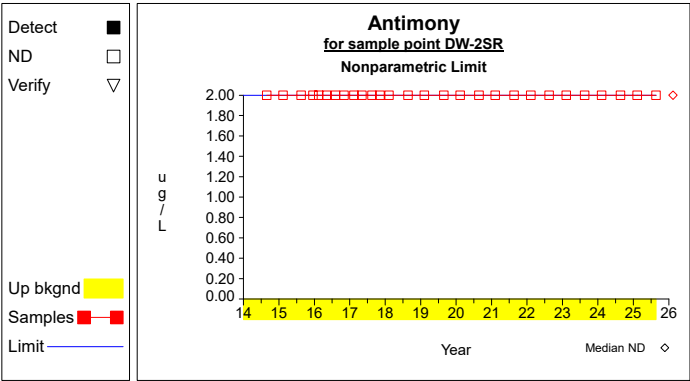
*** - Manual exclusion.

ND = Not Detected, Result = detection limit.

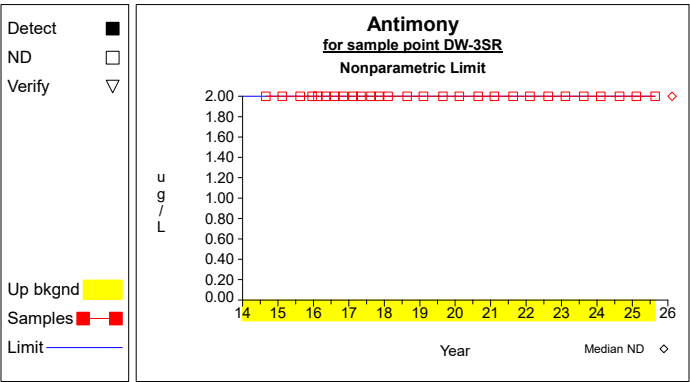
Up vs. Down Prediction Limits



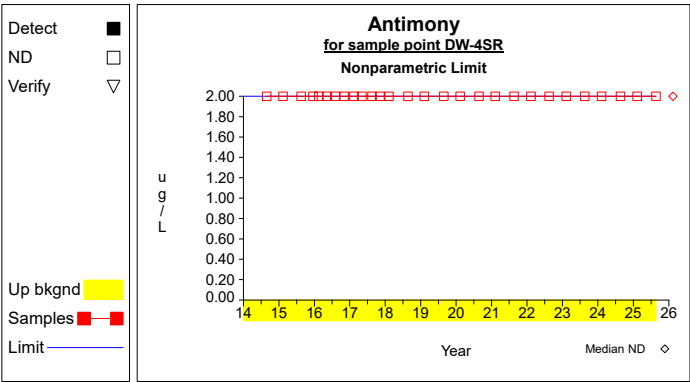
Graph 1



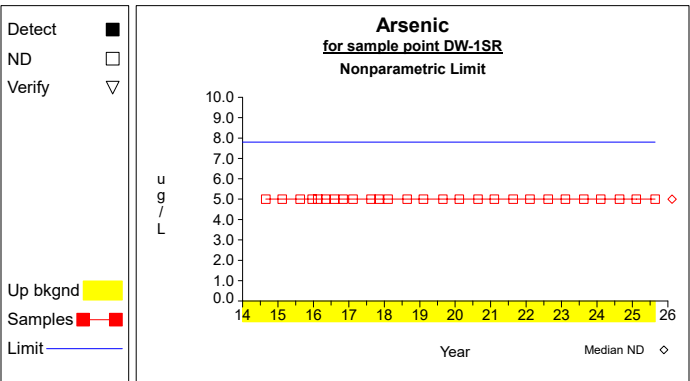
Graph 2



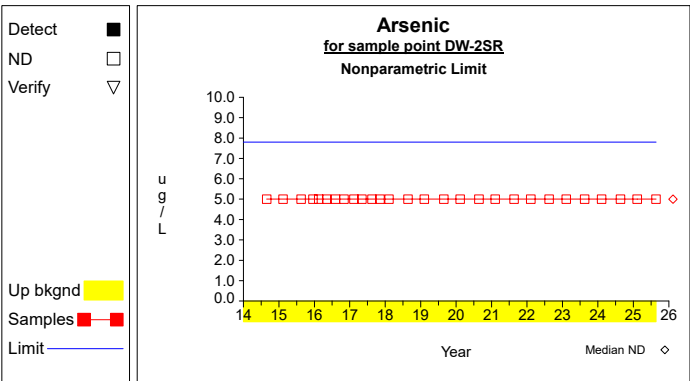
Graph 3



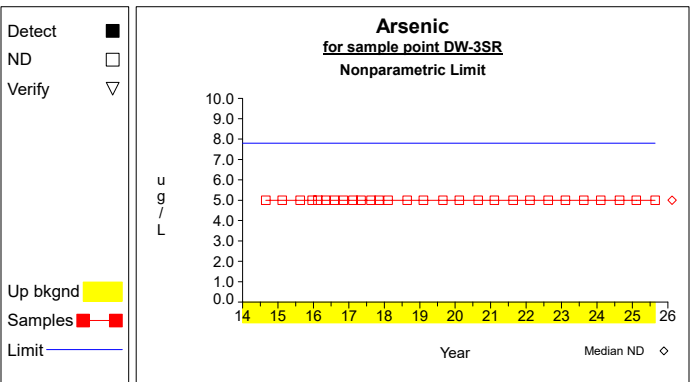
Graph 4



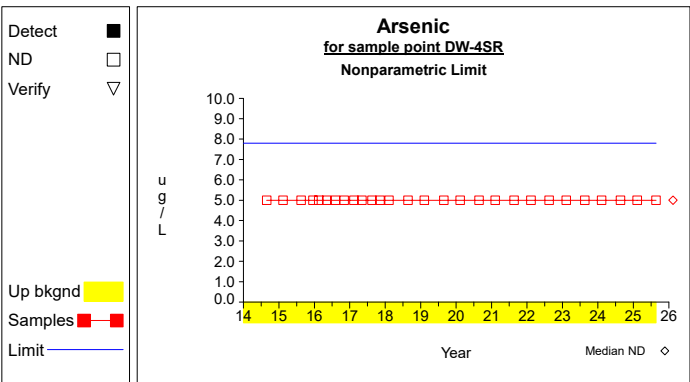
Graph 5



Graph 6

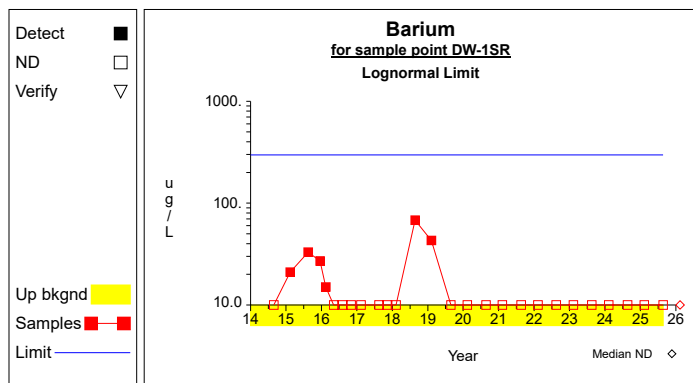


Graph 7

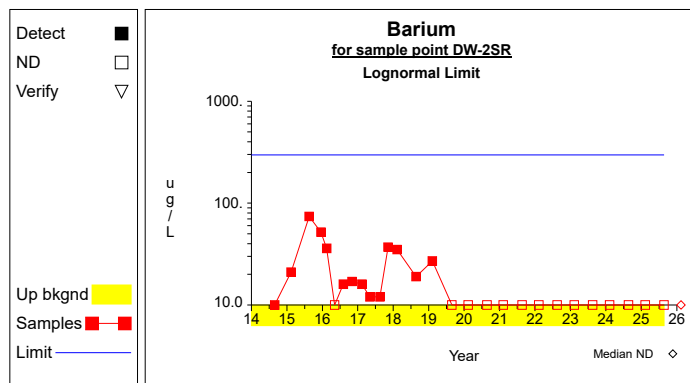


Graph 8

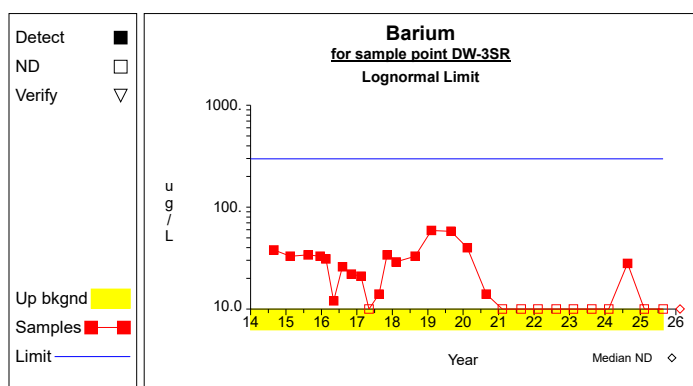
Up vs. Down Prediction Limits



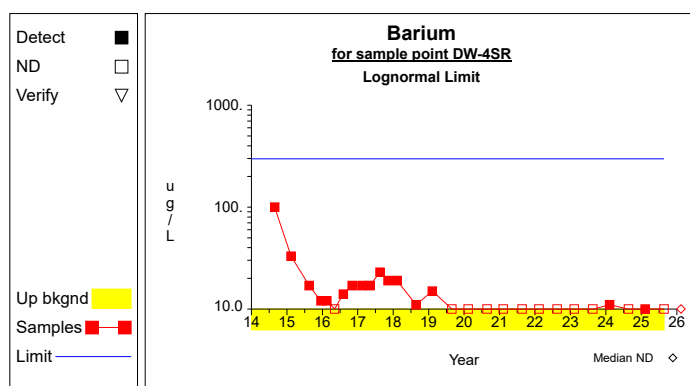
Graph 9



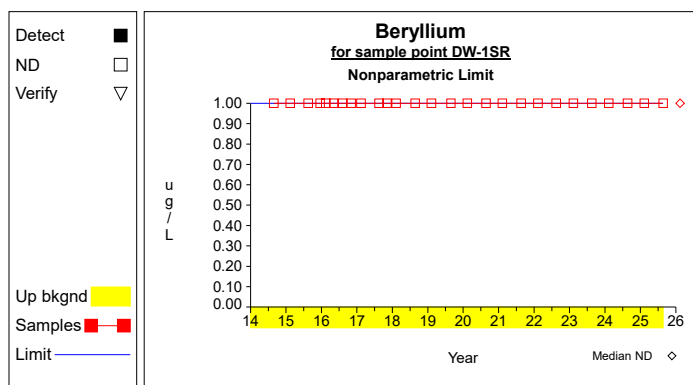
Graph 10



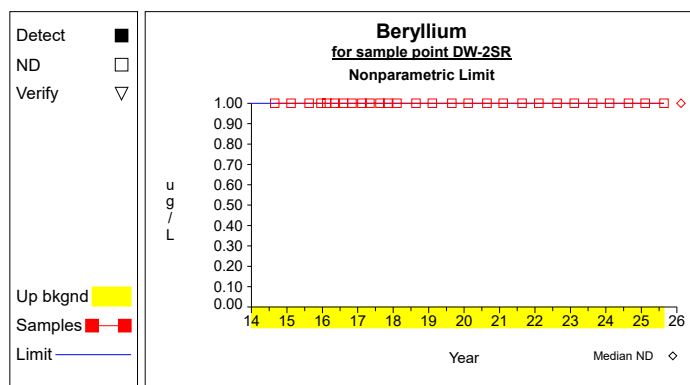
Graph 11



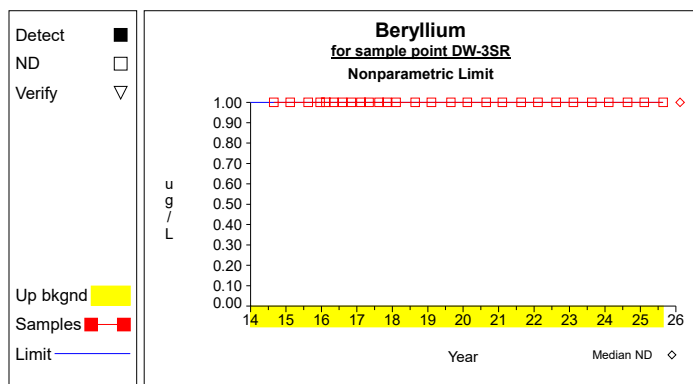
Graph 12



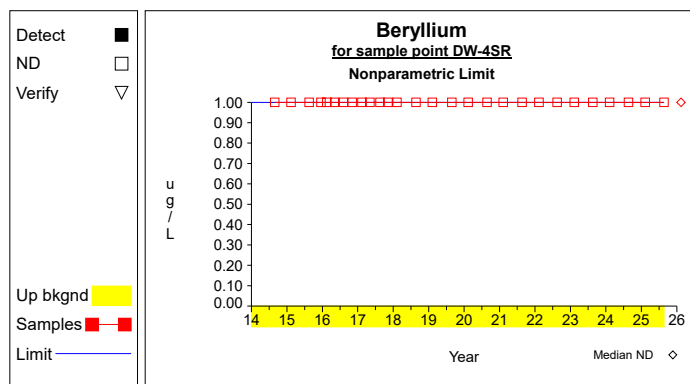
Graph 13



Graph 14

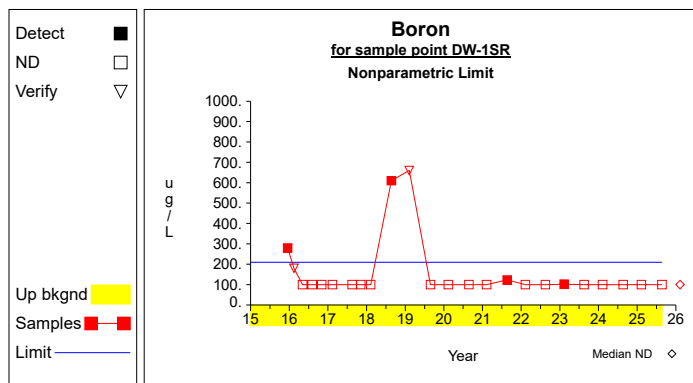


Graph 15

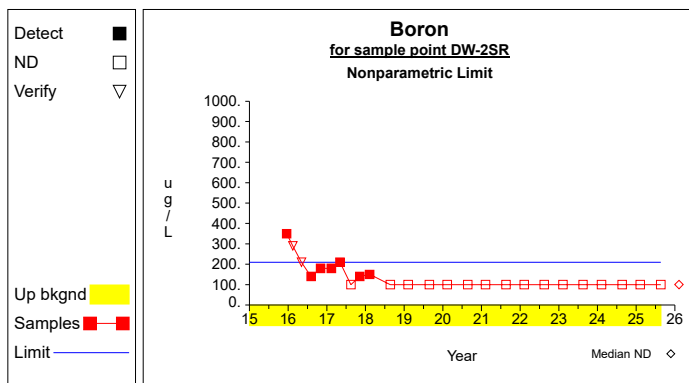


Graph 16

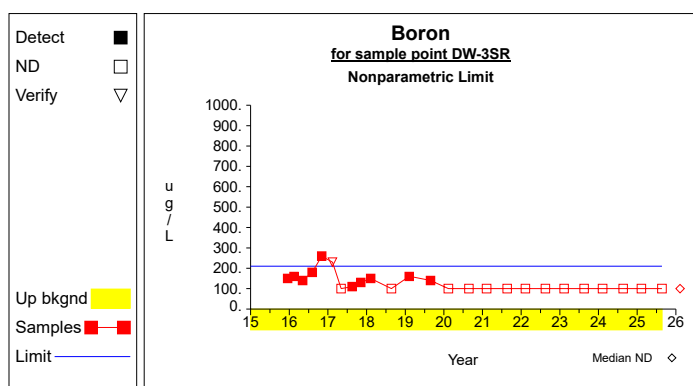
Up vs. Down Prediction Limits



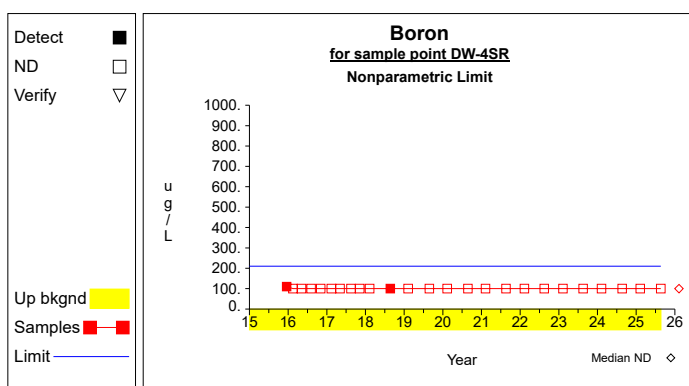
Graph 17



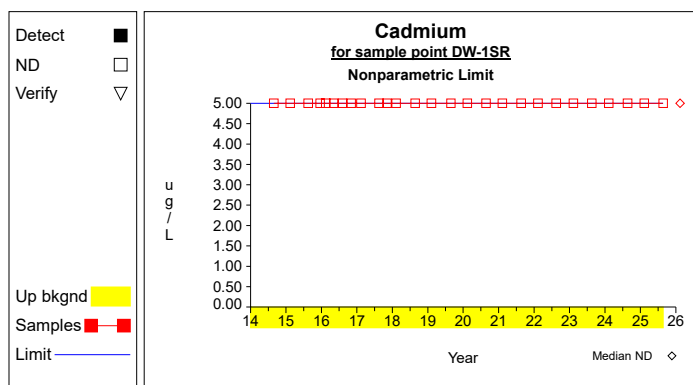
Graph 18



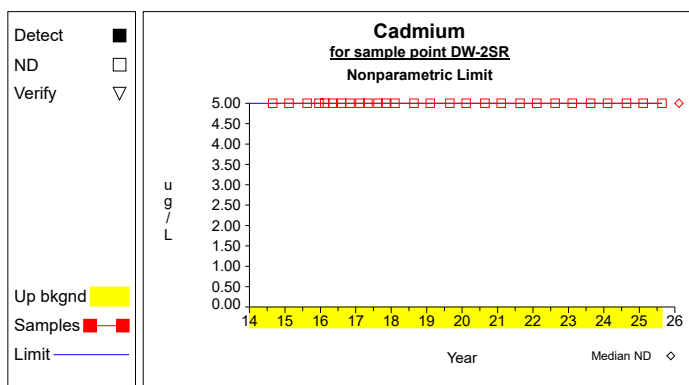
Graph 19



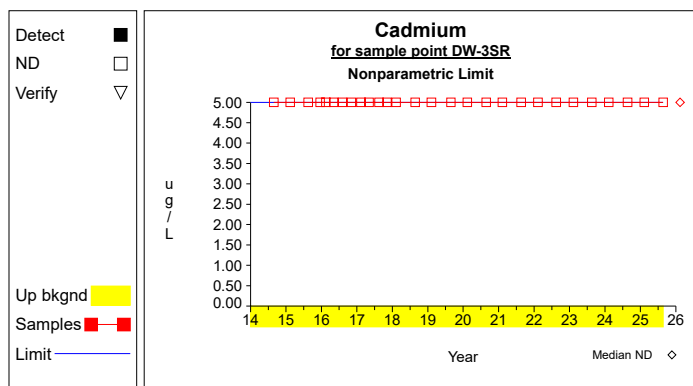
Graph 20



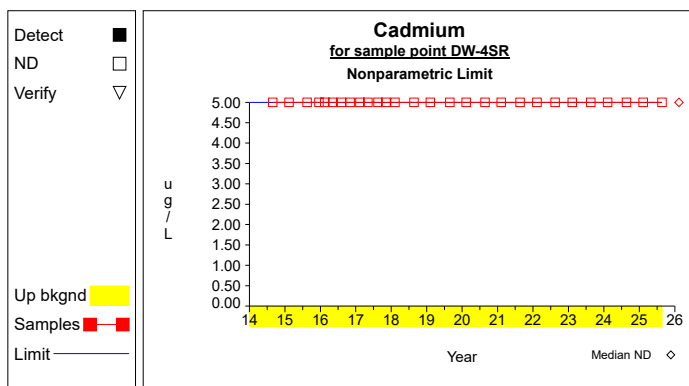
Graph 21



Graph 22

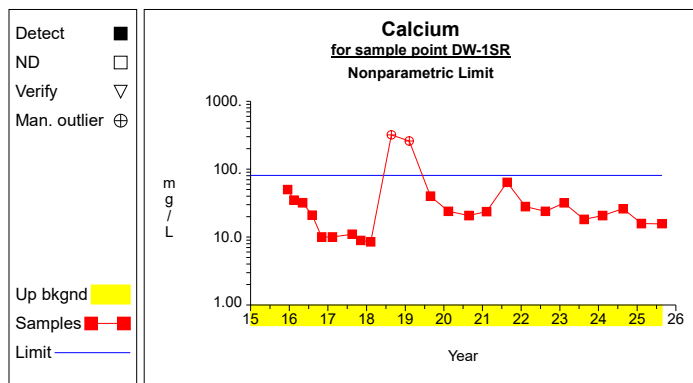


Graph 23

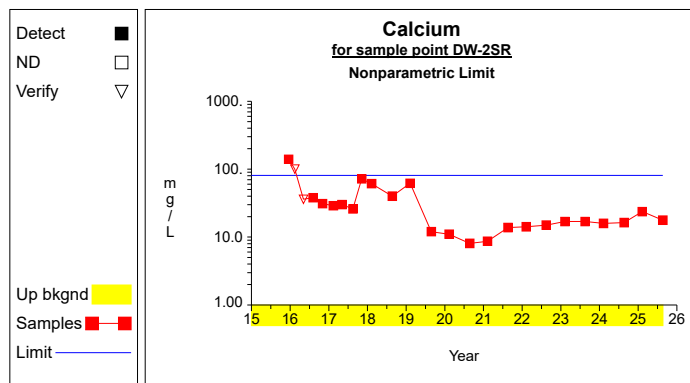


Graph 24

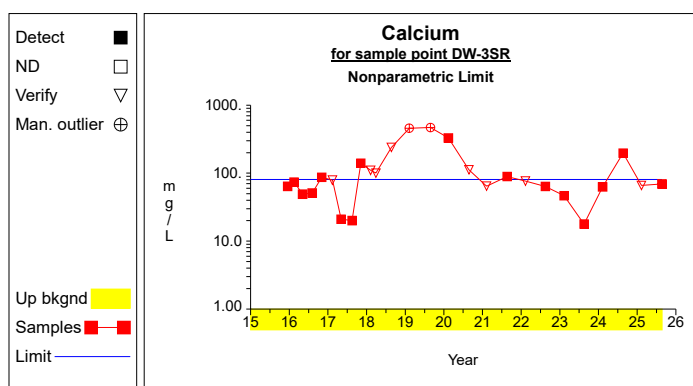
Up vs. Down Prediction Limits



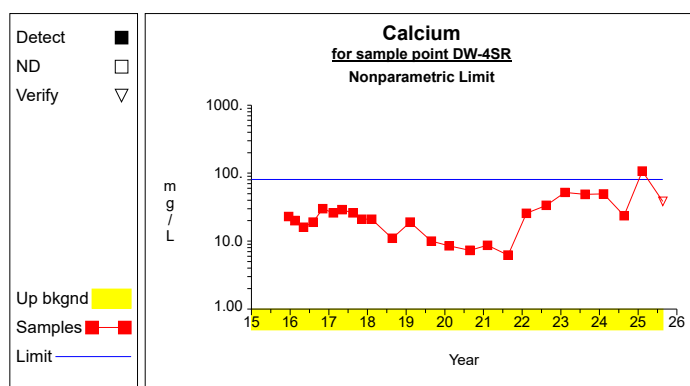
Graph 25



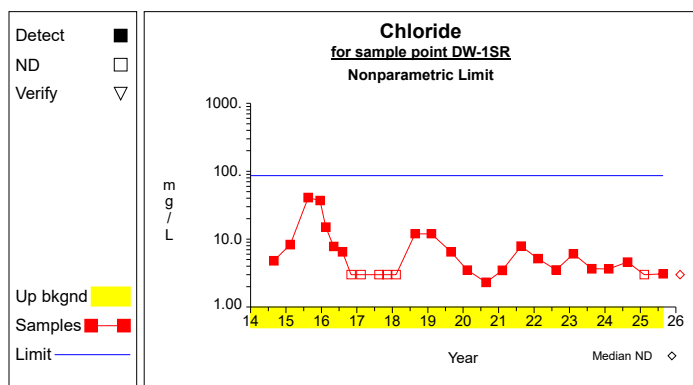
Graph 26



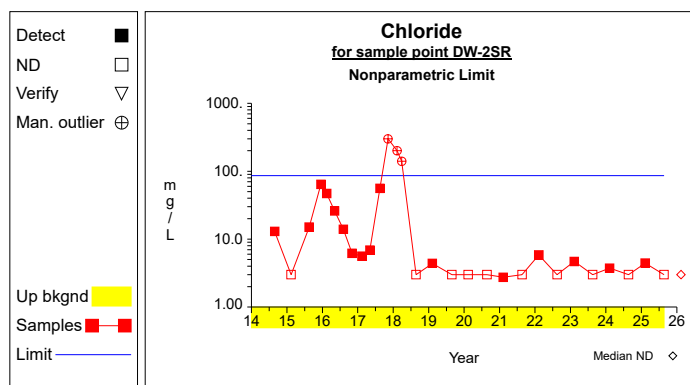
Graph 27



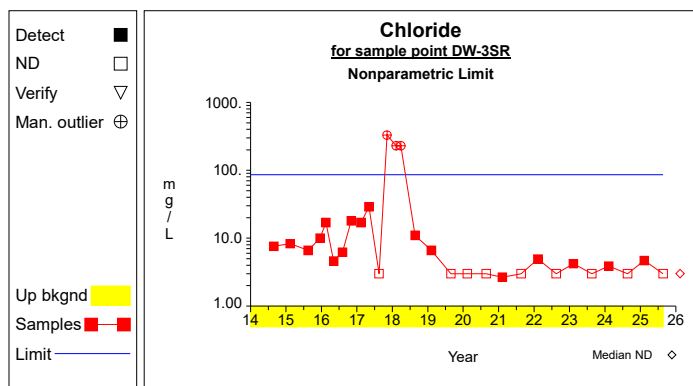
Graph 28



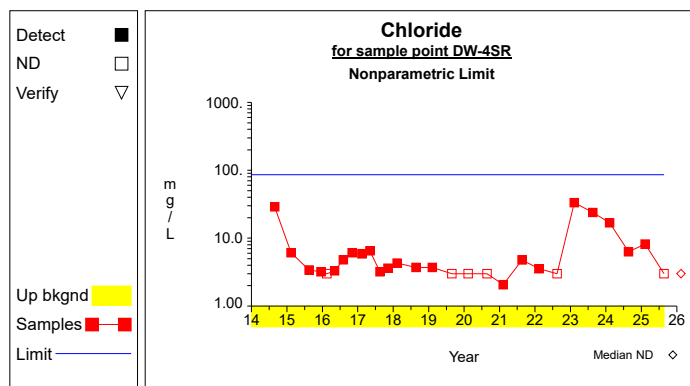
Graph 29



Graph 30

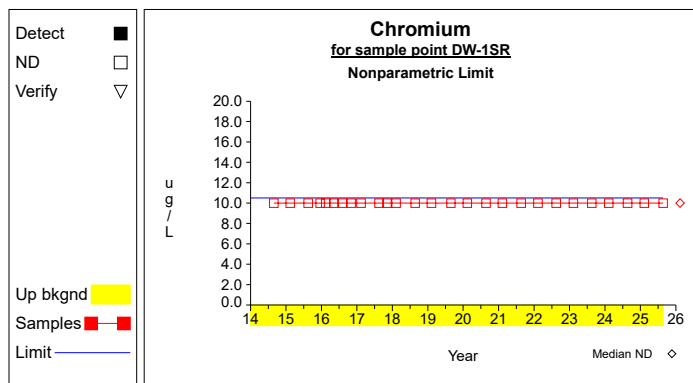


Graph 31

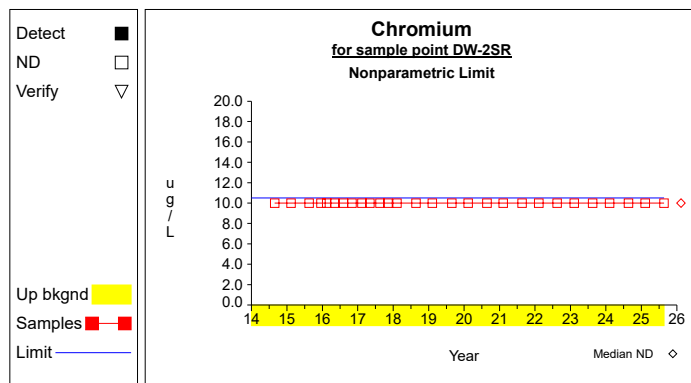


Graph 32

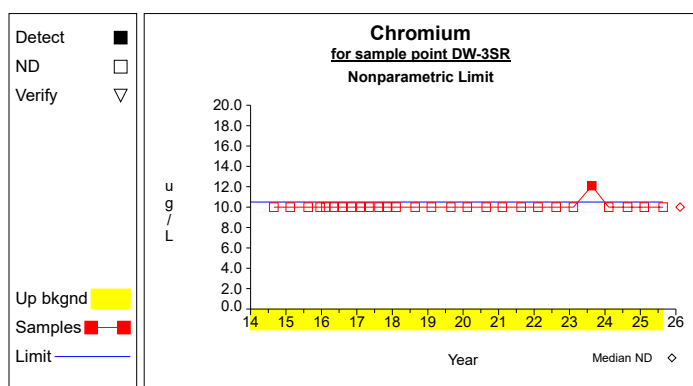
Up vs. Down Prediction Limits



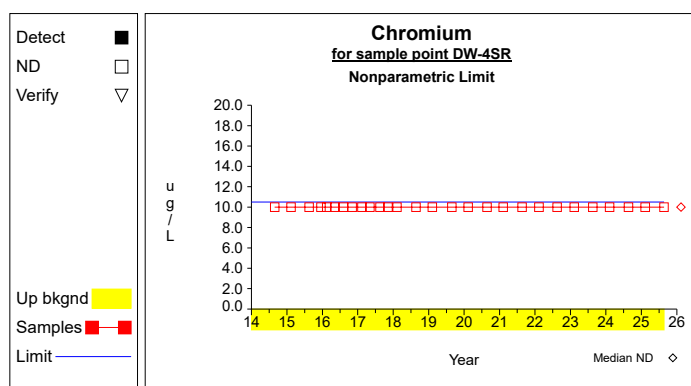
Graph 33



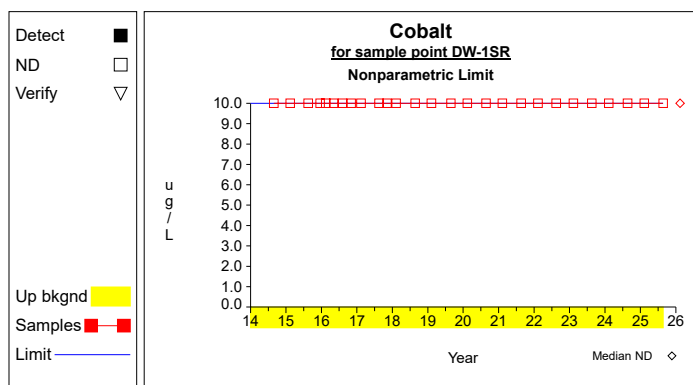
Graph 34



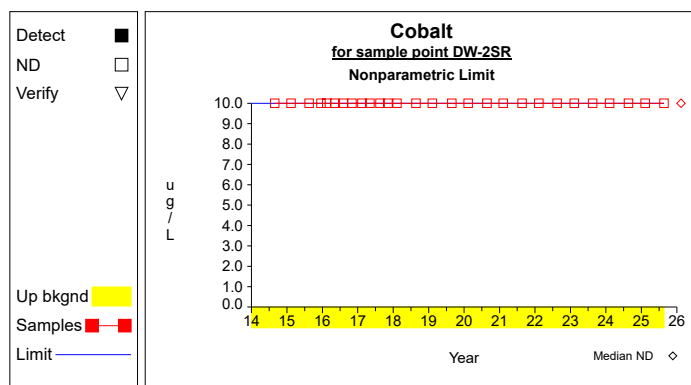
Graph 35



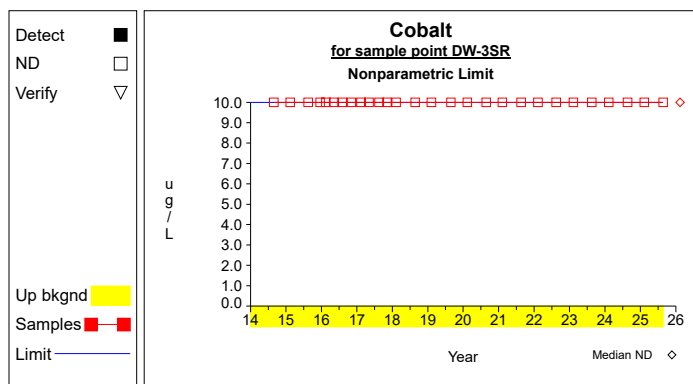
Graph 36



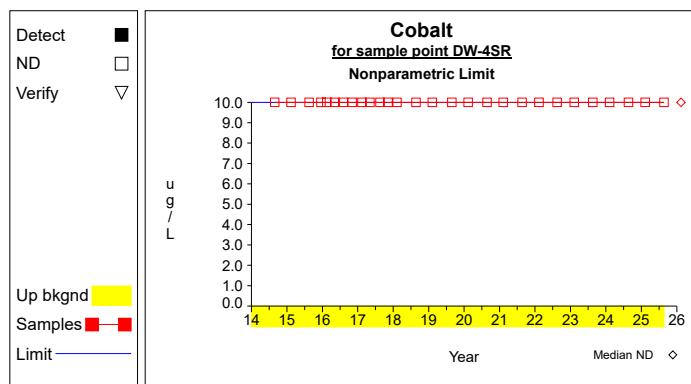
Graph 37



Graph 38

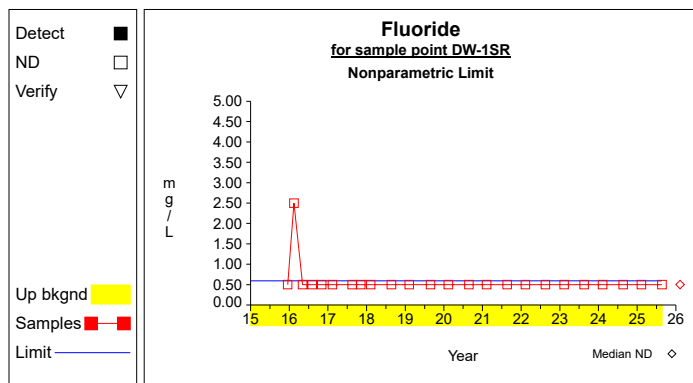


Graph 39

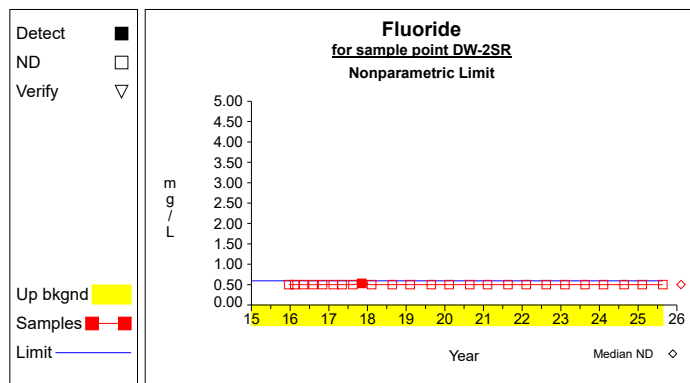


Graph 40

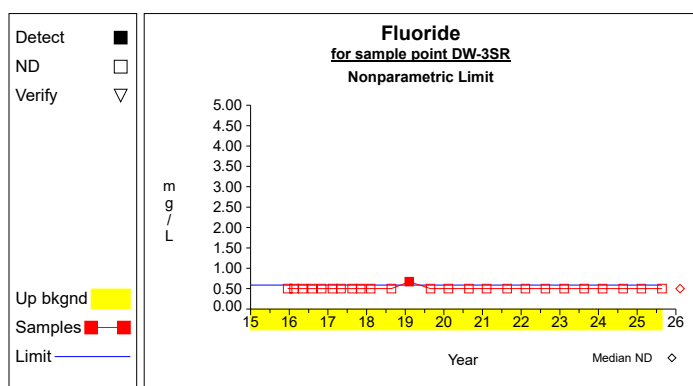
Up vs. Down Prediction Limits



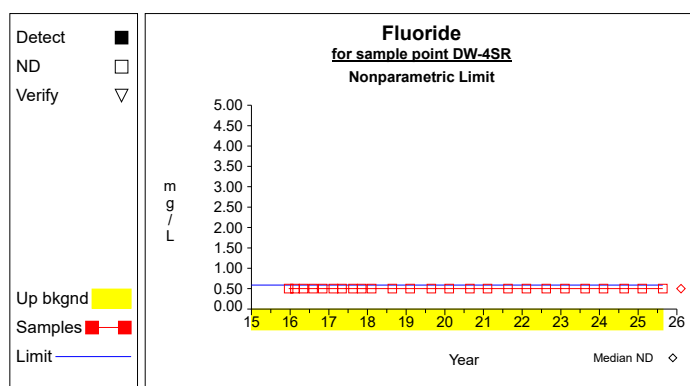
Graph 41



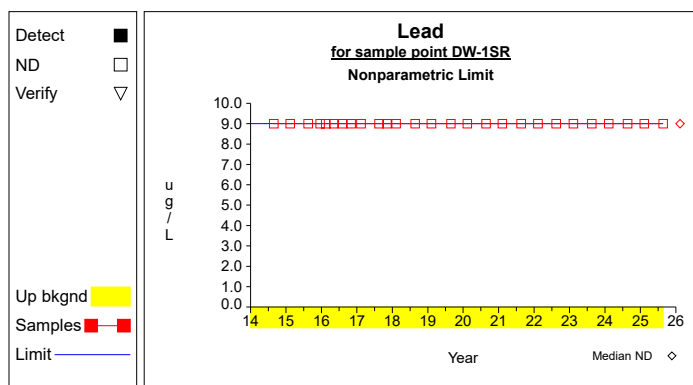
Graph 42



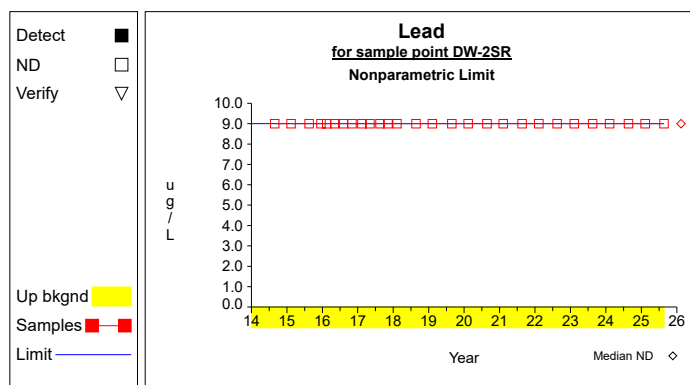
Graph 43



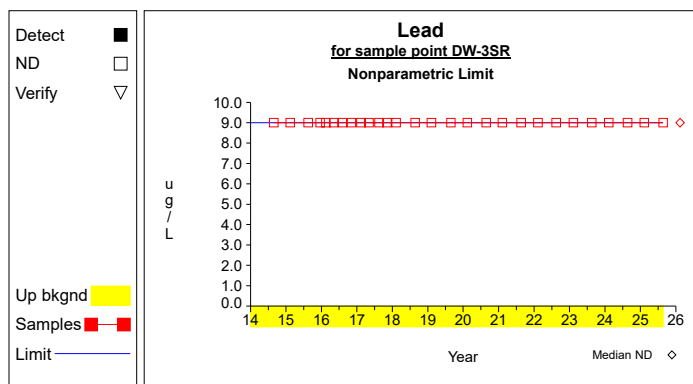
Graph 44



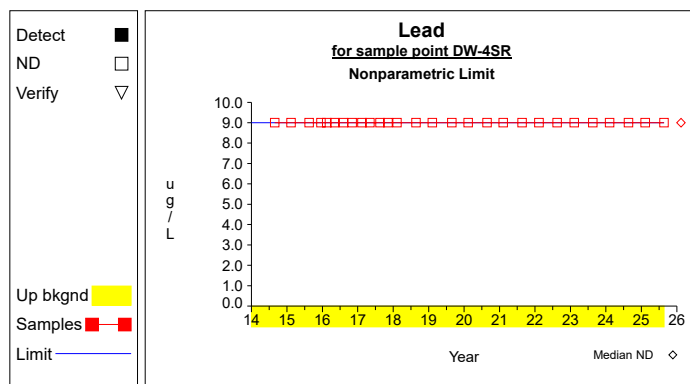
Graph 45



Graph 46

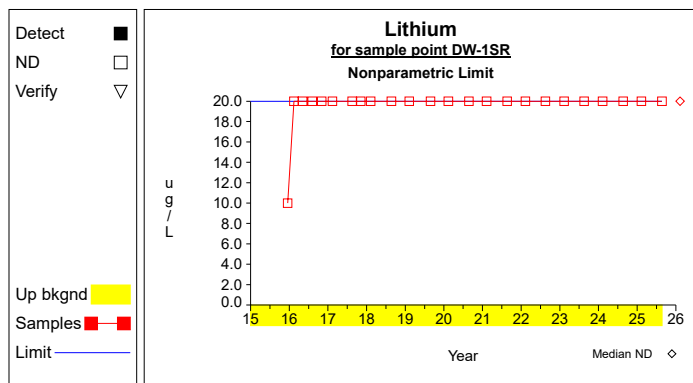


Graph 47

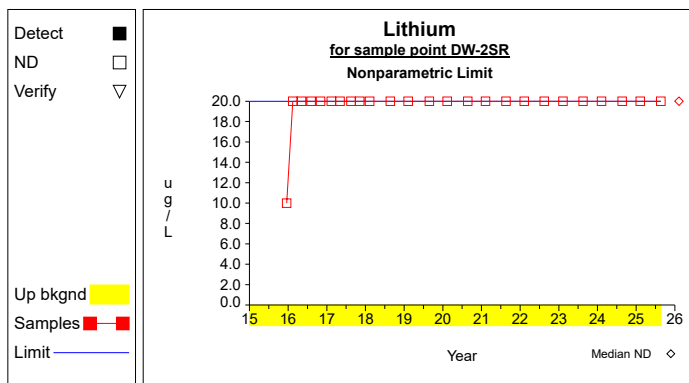


Graph 48

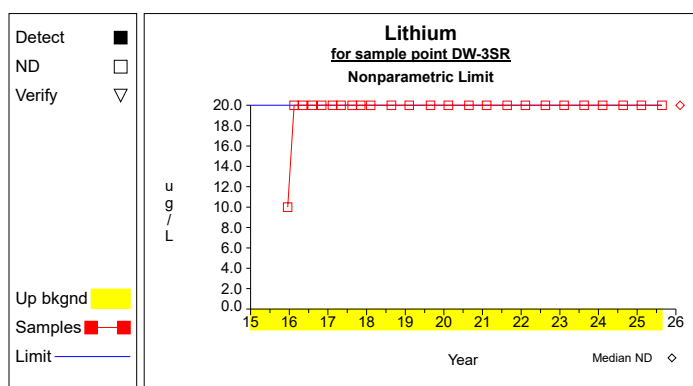
Up vs. Down Prediction Limits



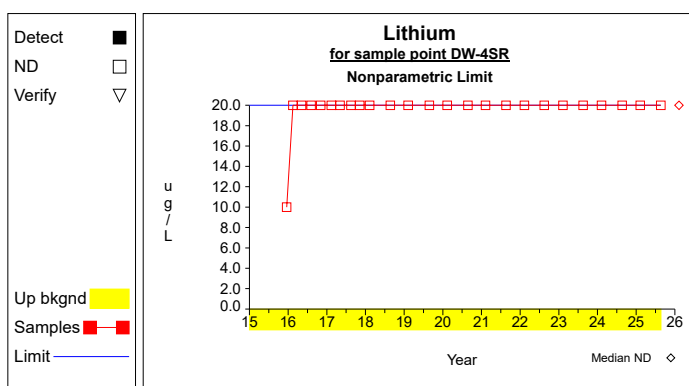
Graph 49



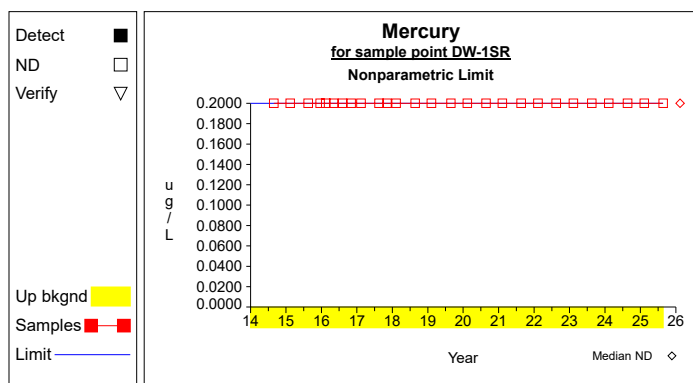
Graph 50



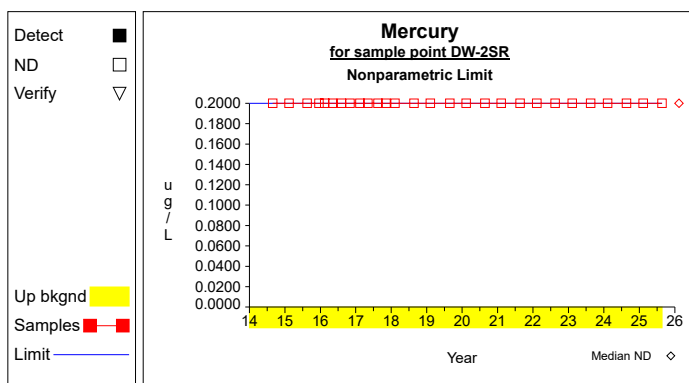
Graph 51



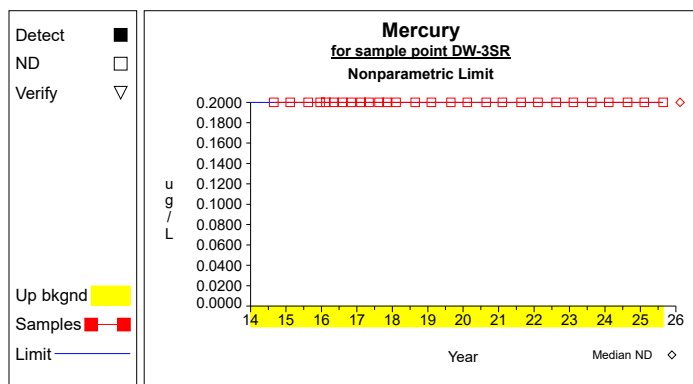
Graph 52



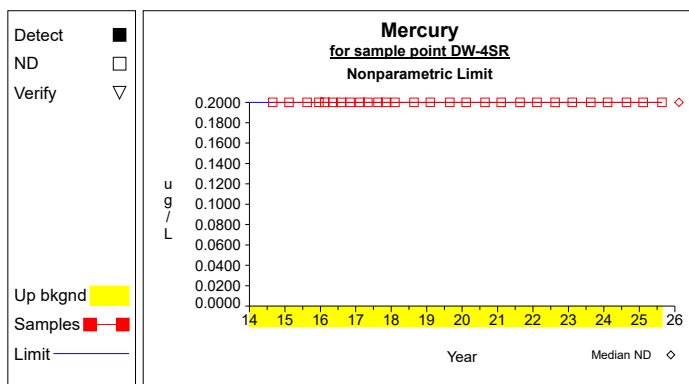
Graph 53



Graph 54

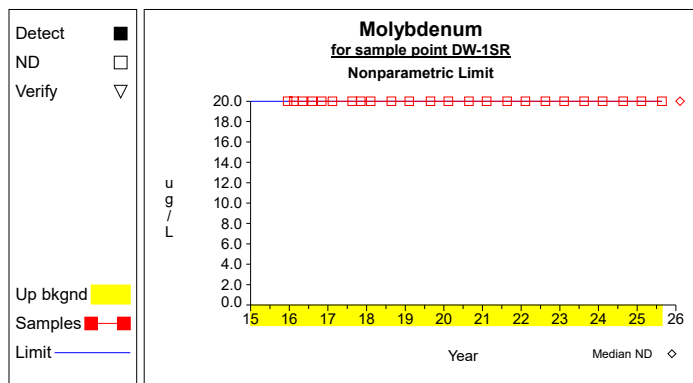


Graph 55

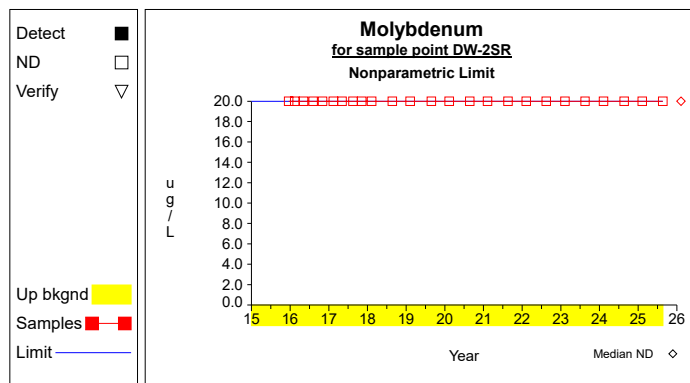


Graph 56

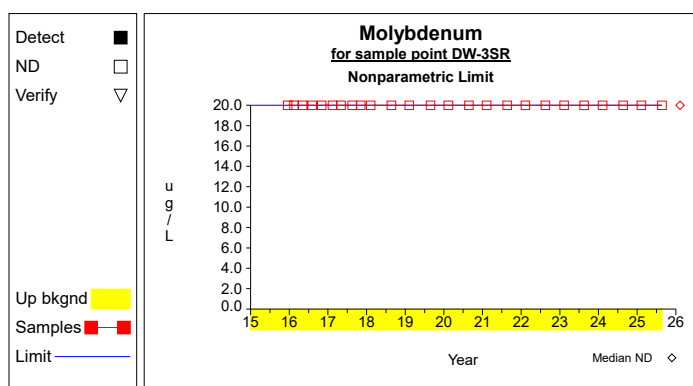
Up vs. Down Prediction Limits



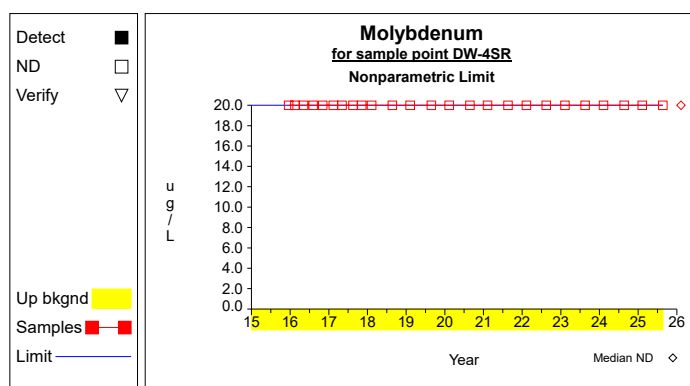
Graph 57



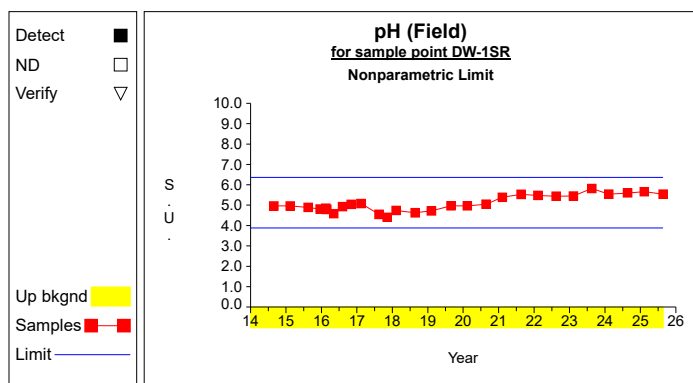
Graph 58



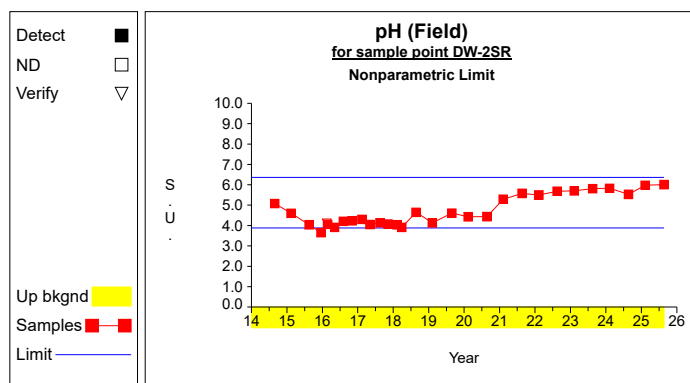
Graph 59



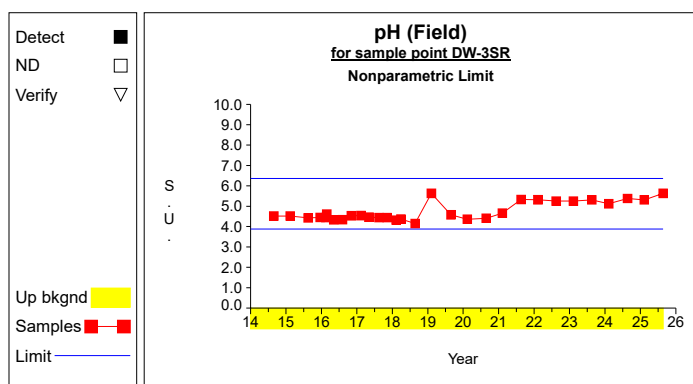
Graph 60



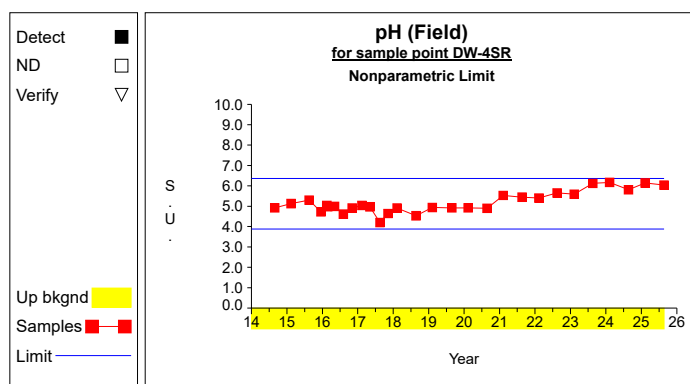
Graph 61



Graph 62

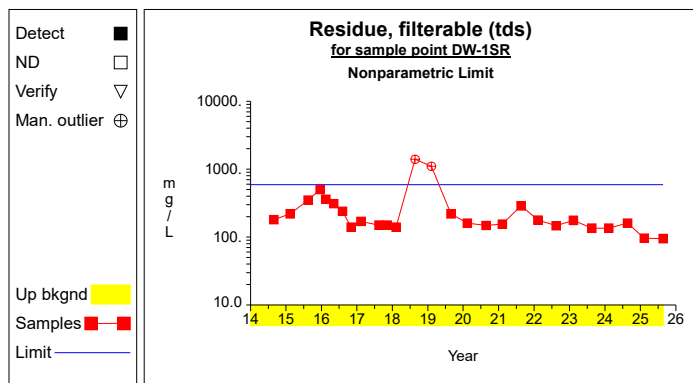


Graph 63

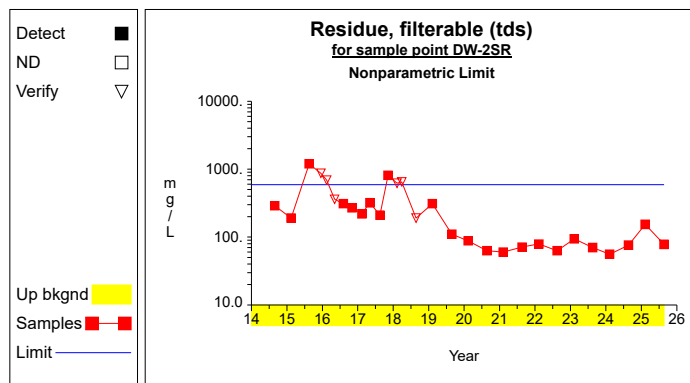


Graph 64

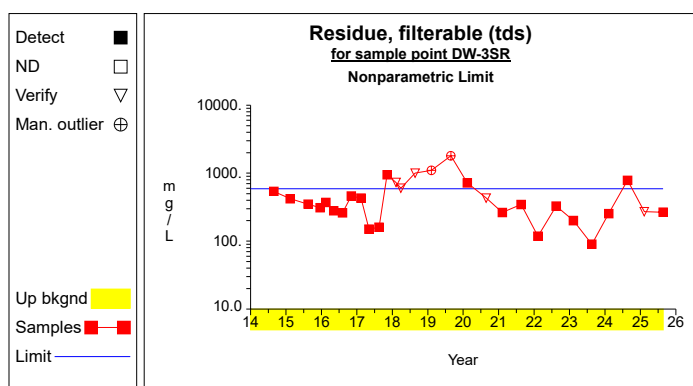
Up vs. Down Prediction Limits



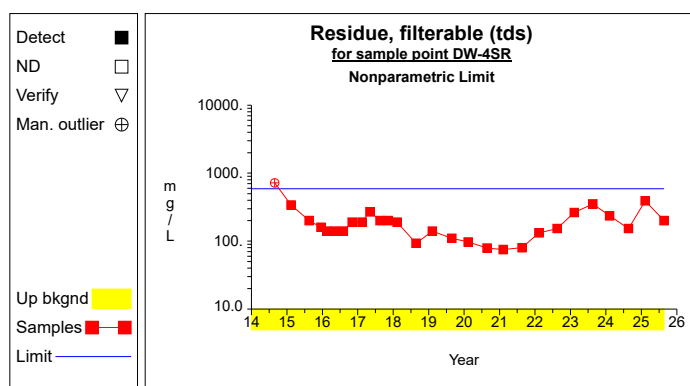
Graph 65



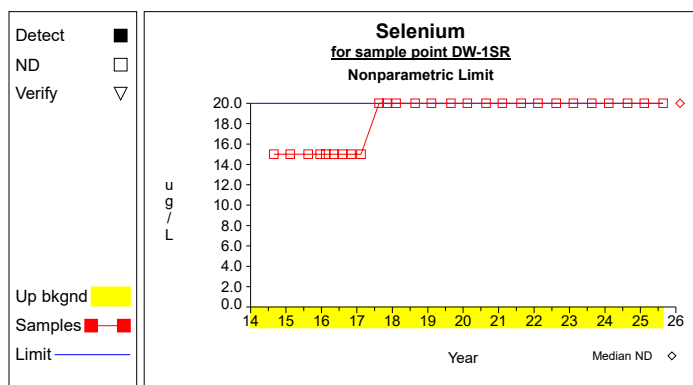
Graph 66



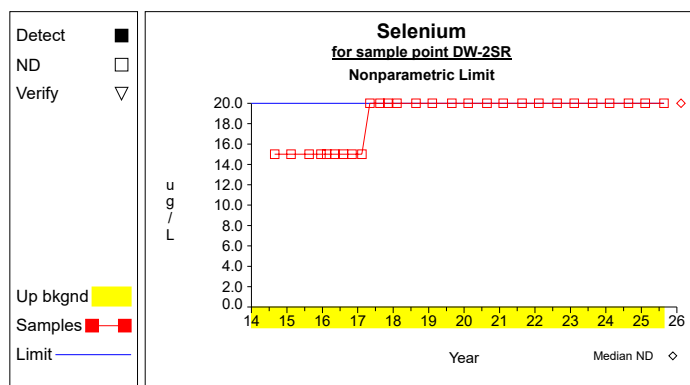
Graph 67



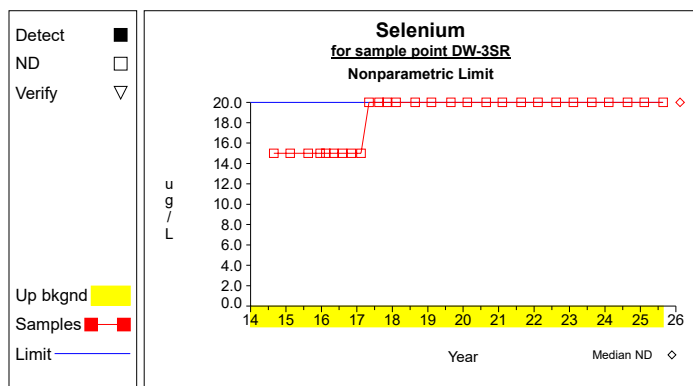
Graph 68



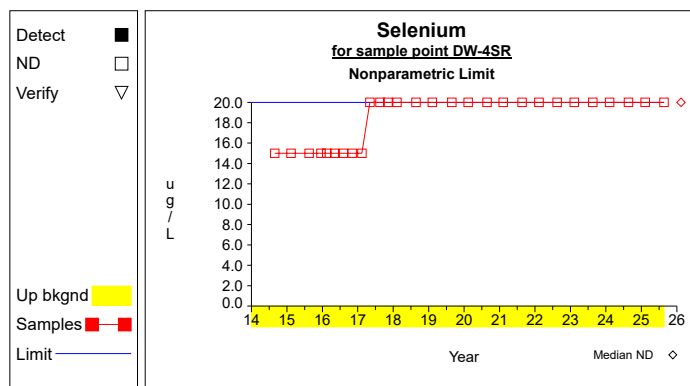
Graph 69



Graph 70

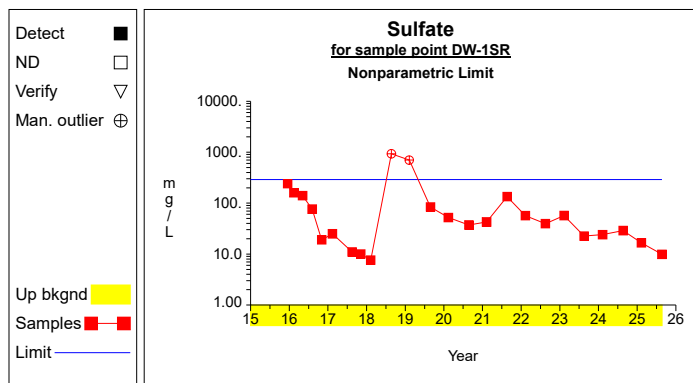


Graph 71

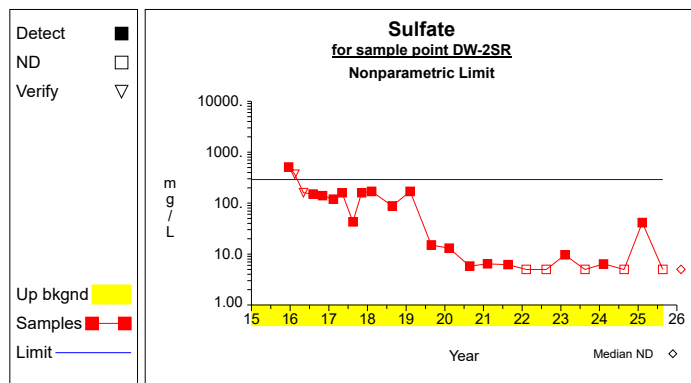


Graph 72

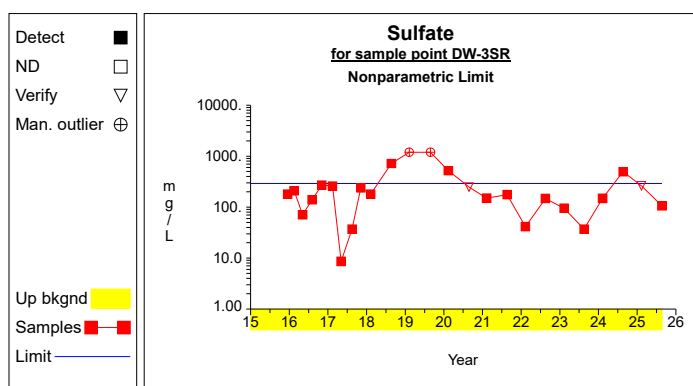
Up vs. Down Prediction Limits



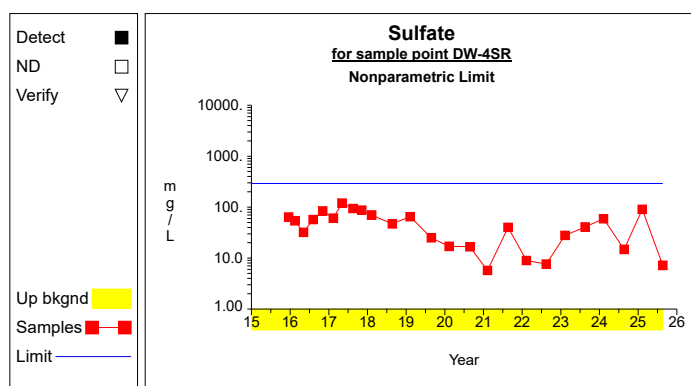
Graph 73



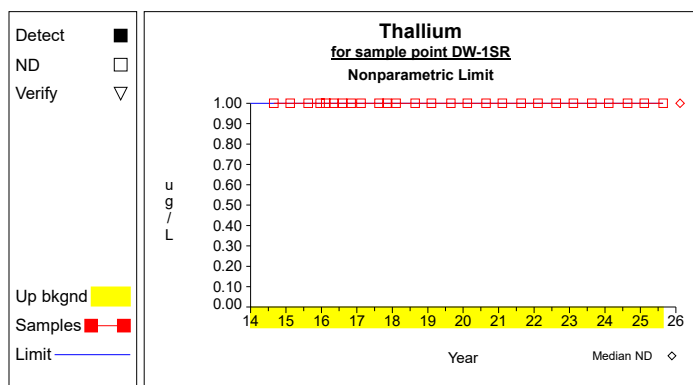
Graph 74



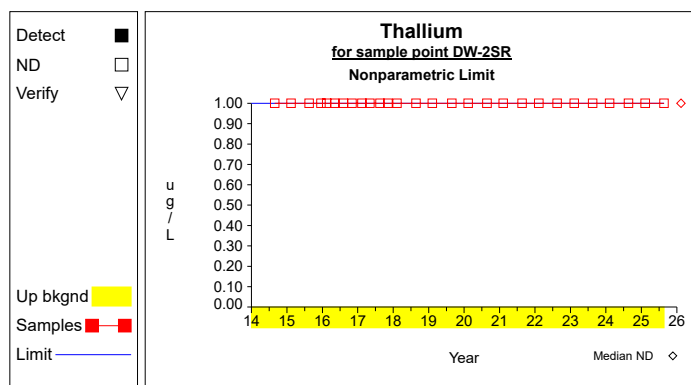
Graph 75



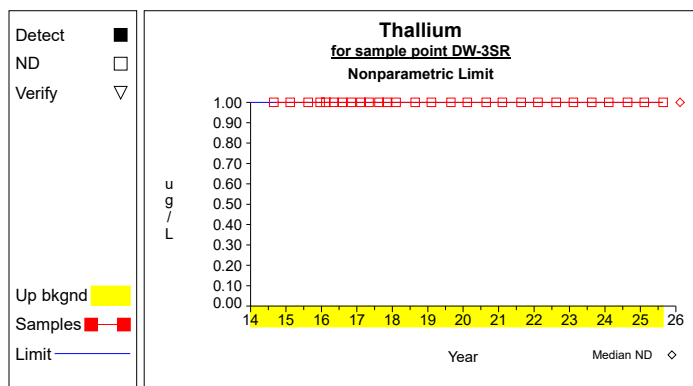
Graph 76



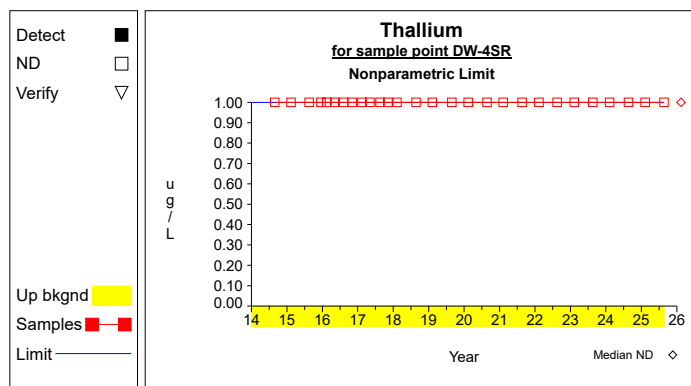
Graph 77



Graph 78

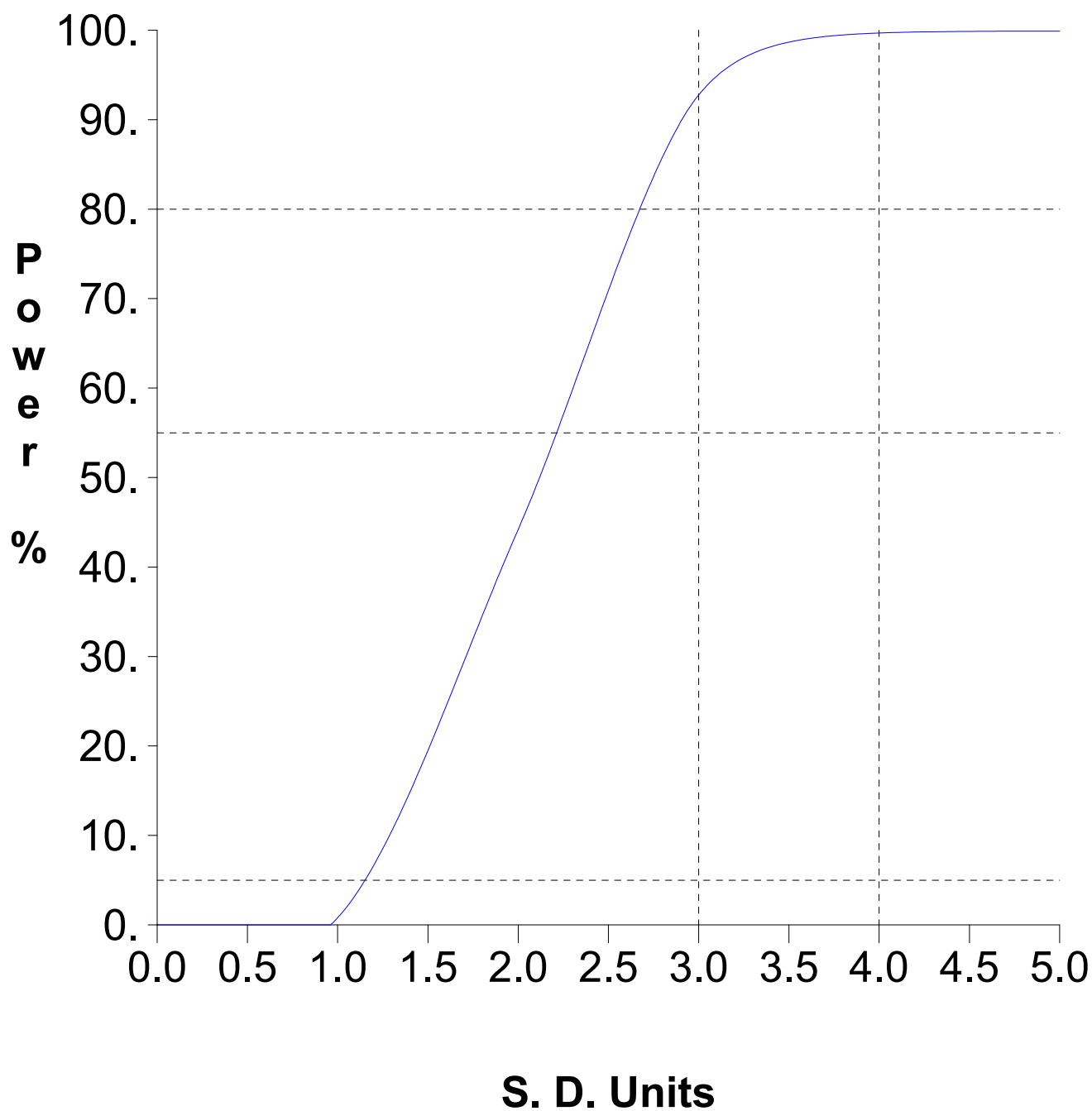


Graph 79



Graph 80

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



Worksheet 1 - Upgradient vs. Downgradient Comparisons**Antimony (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Arsenic (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 7.8	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Barium (ug/L)****Lognormal Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$Y = \log_e(X)$	Transform to natural logarithmic scale.
2	$\bar{Y}_1 = \text{sum}[Y_1] / N_1$ $= 273.528 / 84$ $= 3.256$	Compute mean of N_1 detected log transformed measurements.
3	$S_{Y_1} = ((\text{sum}[Y_1^2] - \text{sum}[Y_1]^2 / N_1) / (N_1 - 1))^{1/2}$ $= ((929.315 - 74817.546/84) / (84 - 1))^{1/2}$ $= 0.682$	Compute sd of N_1 detected log transformed measurements.
4	$\bar{Y} = (1 - N_0/N) \bar{Y}_1$ $= (1 - 79/163) 3.256$ $= 1.678$	Use Aitchison's method to adjust mean for presence of nondetects (log scale).
5	$S_Y = [(1 - N_0/N) * S_{Y_1}^2 + (N_0/N) (1 - (N_0 - 1)/(N - 1)) \bar{Y}_1^2]^{1/2}$ $= [(1 - 79/163) * 0.682^2 + (79/163) (1 - (79 - 1)/(163 - 1)) 3.256^2]^{1/2}$ $= 1.704$	Use Aitchison's method to adjust sd for presence of nondetects (log scale).
6	$\alpha = \min[(1 - .95^{1/K})^{1/3}, .01]$ $= \min[(1 - .95^{1/80})^{1/3}, .01]$ $= 0.01$	Adjusted per comparison false positive rate. Pass initial or 1 of 2 resamples.
7	$PL = \exp[\bar{Y} + t S_Y (1 + 1/N)^{1/2}]$ $= \exp[1.678 + (2.35 * 1.704)(1 + 1/163)^{1/2}]$ $= 297.284$	One-sided lognormal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Beryllium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 1.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Boron (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 210.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Cadmium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Calcium (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 81.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Chloride (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 86.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Chromium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 10.5	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Cobalt (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Fluoride (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 0.59	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Lead (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Lithium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Mercury (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Molybdenum (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**pH (Field) (S.U.)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL _(low) = min(X) = 3.88 PL _(high) = max(X) = 6.36	Compute nonparametric prediction interval as minimum and maximum measurements.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Residue, filterable (tds) (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 591.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Selenium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Sulfate (mg/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 290.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Upgradient vs. Downgradient Comparisons**Thallium (ug/L)****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Attachment C

Summary Tables and Graphs for the Intrawell Comparisons

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	ug/L	DW-1SR	19	8	27			2.0000	2.0000			2.0000	nonpar	.99	**
Antimony	ug/L	DW-2SR	20	8	28			2.0000	2.0000			2.0000	nonpar	.99	**
Antimony	ug/L	DW-3SR	20	8	28			2.0000	2.0000			2.0000	nonpar	.99	**
Antimony	ug/L	DW-4SR	20	8	28			2.0000	2.0000			2.0000	nonpar	.99	**
Arsenic	ug/L	DW-1SR	19	8	27			5.0000	5.0000			5.0000	nonpar	.99	**
Arsenic	ug/L	DW-2SR	20	8	28			5.0000	5.0000			5.0000	nonpar	.99	**
Arsenic	ug/L	DW-3SR	20	8	28			5.0000	5.0000			5.0000	nonpar	.99	**
Arsenic	ug/L	DW-4SR	20	8	28			5.0000	5.0000			5.0000	nonpar	.99	**
Barium	ug/L	DW-1SR	19	8	27	17.7368	15.4195	10.0000	10.0000	17.7368	17.7368	94.8342	normal		
Barium	ug/L	DW-2SR	20	8	28	22.2000	17.0652	10.0000	10.0000	22.2000	22.2000	107.5260	normal		
Barium	ug/L	DW-3SR	20	8	28	28.0500	14.4567	10.0000	10.0000	28.0500	28.0500	100.3337	normal		
Barium	ug/L	DW-4SR	19	8	28	15.0526	5.8734	10.0000	10.0000	15.0526	15.0526	44.4197	normal		
Beryllium	ug/L	DW-1SR	19	8	27			1.0000	1.0000			1.0000	nonpar	.99	**
Beryllium	ug/L	DW-2SR	20	8	28			1.0000	1.0000			1.0000	nonpar	.99	**
Beryllium	ug/L	DW-3SR	20	8	28			1.0000	1.0000			1.0000	nonpar	.99	**
Beryllium	ug/L	DW-4SR	20	8	28			1.0000	1.0000			1.0000	nonpar	.99	**
Boron	ug/L	DW-1SR	14	8	24			100.0000	100.0000			280.0000	nonpar	.99	**
Boron	ug/L	DW-2SR	17	8	25	155.8824	74.2512	100.0000	100.0000	155.8824	155.8824	527.1382	normal		
Boron	ug/L	DW-3SR	17	8	25	141.7647	47.2011	100.0000	100.0000	141.7647	141.7647	377.7701	normal		
Boron	ug/L	DW-4SR	17	8	25			100.0000	100.0000			110.0000	nonpar	.99	**
Cadmium	ug/L	DW-1SR	19	8	27			5.0000	5.0000			5.0000	nonpar	.99	**
Cadmium	ug/L	DW-2SR	20	8	28			5.0000	5.0000			5.0000	nonpar	.99	**
Cadmium	ug/L	DW-3SR	20	8	28			5.0000	5.0000			5.0000	nonpar	.99	**
Cadmium	ug/L	DW-4SR	20	8	28			5.0000	5.0000			5.0000	nonpar	.99	**
Calcium	mg/L	DW-1SR	14	8	24	25.6214	16.9194	15.8000	15.7000	25.6214	25.6214	110.2183	normal		
Calcium	mg/L	DW-2SR	17	8	25	42.2665	35.6132	23.7000	17.7000	42.2665	42.2665	220.3327	normal		
Calcium	mg/L	DW-3SR	16	8	26	101.9125	79.9560	66.0000	69.5000	101.9125	101.9125	501.6926	normal		
Calcium	mg/L	DW-4SR	17	8	25	17.7465	7.8604	107.0000	38.4000	138.3378	69.7378	57.0483	normal		
Chloride	mg/L	DW-1SR	19	8	27	9.6337	10.9882	3.0000	3.0900	9.6337	9.6337	64.5747	normal		
Chloride	mg/L	DW-2SR	18	8	29	15.4911	19.6824	4.4400	3.0000	15.4911	15.4911	113.9030	normal		
Chloride	mg/L	DW-3SR	18	8	29	8.8644	7.1744	4.6900	3.0000	8.8644	8.8644	44.7367	normal		
Chloride	mg/L	DW-4SR	19	8	28	4.0342	1.2951	8.1800	3.0000	8.5031	4.0342	10.5097	normal		
Chromium	ug/L	DW-1SR	19	8	27			10.0000	10.0000			10.0000	nonpar	.99	**
Chromium	ug/L	DW-2SR	20	8	28			10.0000	10.0000			10.0000	nonpar	.99	**
Chromium	ug/L	DW-3SR	20	8	28			10.0000	10.0000			10.0000	nonpar	.99	**
Chromium	ug/L	DW-4SR	20	8	28			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-1SR	19	8	27			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-2SR	20	8	28			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-3SR	20	8	28			10.0000	10.0000			10.0000	nonpar	.99	**
Cobalt	ug/L	DW-4SR	20	8	28			10.0000	10.0000			10.0000	nonpar	.99	**
Fluoride	mg/L	DW-1SR	15	8	24			0.5000	0.5000			0.5000	nonpar	.99	**
Fluoride	mg/L	DW-2SR	17	8	25			0.5000	0.5000			0.5300	nonpar	.99	**
Fluoride	mg/L	DW-3SR	17	8	25			0.5000	0.5000			0.6700	nonpar	.99	**
Fluoride	mg/L	DW-4SR	17	8	25			0.5000	0.5000			0.5000	nonpar	.99	**
Lead	ug/L	DW-1SR	19	8	27			9.0000	9.0000			9.0000	nonpar	.99	**
Lead	ug/L	DW-2SR	20	8	28			9.0000	9.0000			9.0000	nonpar	.99	**

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.

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	
Lead	ug/L	DW-3SR	20	8	28			9.0000	9.0000			9.0000	nonpar	.99	**
Lead	ug/L	DW-4SR	20	8	28			9.0000	9.0000			9.0000	nonpar	.99	**
Lithium	ug/L	DW-1SR	16	8	24			20.0000	20.0000			20.0000	nonpar	.99	**
Lithium	ug/L	DW-2SR	17	8	25			20.0000	20.0000			20.0000	nonpar	.99	**
Lithium	ug/L	DW-3SR	17	8	25			20.0000	20.0000			20.0000	nonpar	.99	**
Lithium	ug/L	DW-4SR	17	8	25			20.0000	20.0000			20.0000	nonpar	.99	**
Mercury	ug/L	DW-1SR	19	8	27			0.2000	0.2000			0.2000	nonpar	.99	**
Mercury	ug/L	DW-2SR	20	8	28			0.2000	0.2000			0.2000	nonpar	.99	**
Mercury	ug/L	DW-3SR	20	8	28			0.2000	0.2000			0.2000	nonpar	.99	**
Mercury	ug/L	DW-4SR	20	8	28			0.2000	0.2000			0.2000	nonpar	.99	**
Molybdenum	ug/L	DW-1SR	16	8	24			20.0000	20.0000			20.0000	nonpar	.99	**
Molybdenum	ug/L	DW-2SR	17	8	25			20.0000	20.0000			20.0000	nonpar	.99	**
Molybdenum	ug/L	DW-3SR	17	8	25			20.0000	20.0000			20.0000	nonpar	.99	**
Molybdenum	ug/L	DW-4SR	17	8	25			20.0000	20.0000			20.0000	nonpar	.99	**
pH (Field)	S.U.	DW-1SR	20	8	28	4.8925	0.2663	5.6600	5.5400	6.5537	6.4337	3.56 - 6.22	normal		
pH (Field)	S.U.	DW-2SR	22	8	30	4.3423	0.4716	5.9800	6.0100	7.4143	7.4443	1.98 - 6.70	normal		
pH (Field)	S.U.	DW-3SR	22	8	30	4.5391	0.3276	5.3100	5.6300	6.5300	6.8500	2.90 - 6.18	normal		
pH (Field)	S.U.	DW-4SR	21	8	29	4.9305	0.2962	6.1400	6.0400	7.1000	7.0000	3.45 - 6.41	normal		
Residue, filterable (tds)	mg/L	DW-1SR	17	8	27	228.2941	102.0305	96.0000	95.0000	228.2941	228.2941	738.4466	normal		
Residue, filterable (tds)	mg/L	DW-2SR	21	8	29	376.2857	311.5240	154.0000	78.0000	376.2857	376.2857	1933.9058	normal		
Residue, filterable (tds)	mg/L	DW-3SR	19	8	29	461.5789	242.0014	271.0000	266.0000	461.5789	461.5789	1671.5862	normal		
Residue, filterable (tds)	mg/L	DW-4SR	19	8	28	159.6842	68.6141	391.0000	200.0000	500.9603	489.8155	502.7547	normal		
Selenium	ug/L	DW-1SR	19	8	27			20.0000	20.0000			20.0000	nonpar	.99	**
Selenium	ug/L	DW-2SR	20	8	28			20.0000	20.0000			20.0000	nonpar	.99	**
Selenium	ug/L	DW-3SR	20	8	28			20.0000	20.0000			20.0000	nonpar	.99	**
Selenium	ug/L	DW-4SR	20	8	28			20.0000	20.0000			20.0000	nonpar	.99	**
Sulfate	mg/L	DW-1SR	14	8	24	74.1714	70.0196	16.6000	9.8600	74.1714	74.1714	424.2696	normal		
Sulfate	mg/L	DW-2SR	17	8	25	134.5541	134.7262	41.3000	5.0000	134.5541	134.5541	808.1853	normal		
Sulfate	mg/L	DW-3SR	13	8	25	258.8462	174.2612	262.0000	106.0000	258.8462	258.8462	1130.1523	normal		
Sulfate	mg/L	DW-4SR	17	8	25	55.2588	30.7370	90.5000	7.1700	67.4472	55.2588	208.9440	normal		
Thallium	ug/L	DW-1SR	19	8	27			1.0000	1.0000			1.0000	nonpar	.99	**
Thallium	ug/L	DW-2SR	20	8	28			1.0000	1.0000			1.0000	nonpar	.99	**
Thallium	ug/L	DW-3SR	20	8	28			1.0000	1.0000			1.0000	nonpar	.99	**
Thallium	ug/L	DW-4SR	20	8	28			1.0000	1.0000			1.0000	nonpar	.99	**

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.

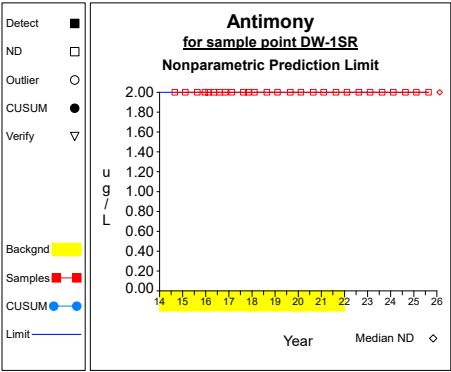
Conf = confidence level for passing initial test or one of two verification resamples (nonparametric test only).

* - Insufficient Data.

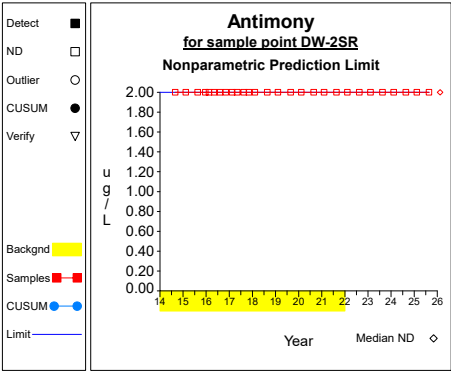
** - Detection Frequency < 25%.

*** - Zero Variance.

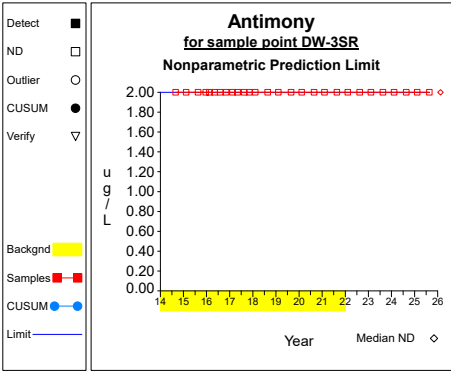
Intra-Well Control Charts / Prediction Limits



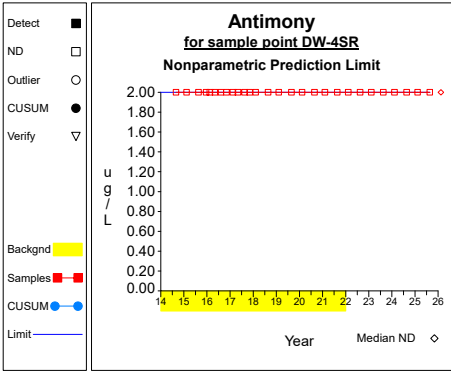
Graph 1



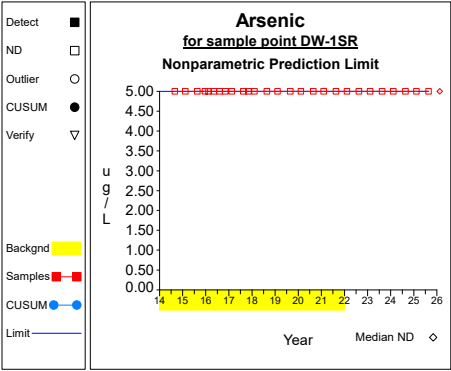
Graph 2



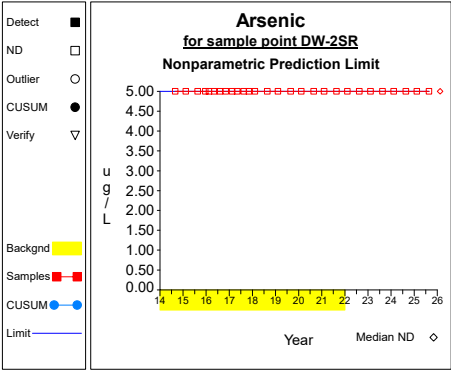
Graph 3



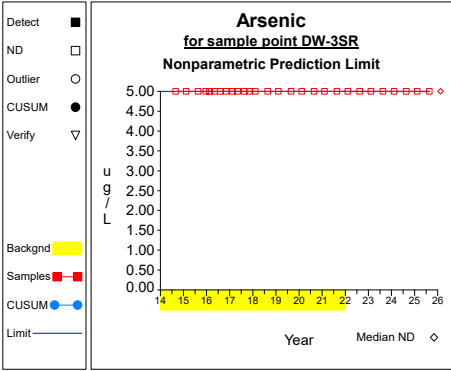
Graph 4



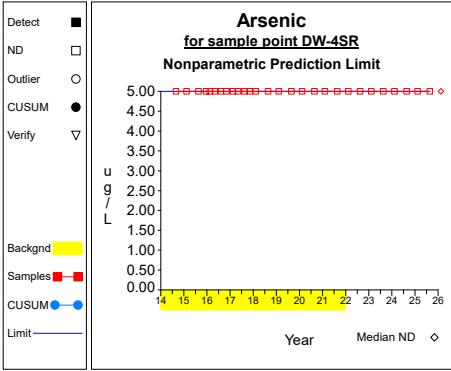
Graph 5



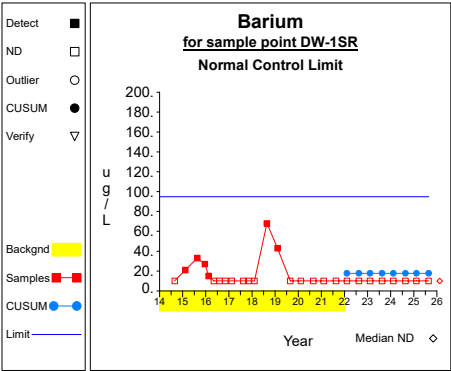
Graph 6



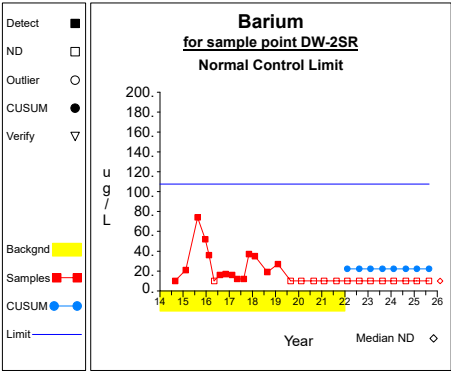
Graph 7



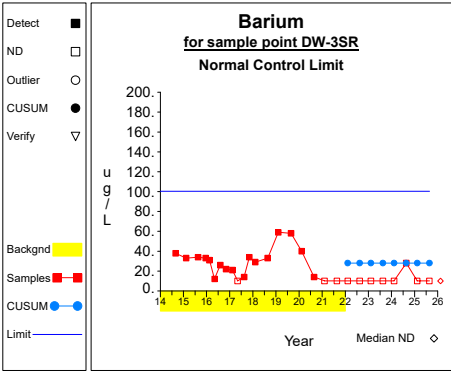
Graph 8



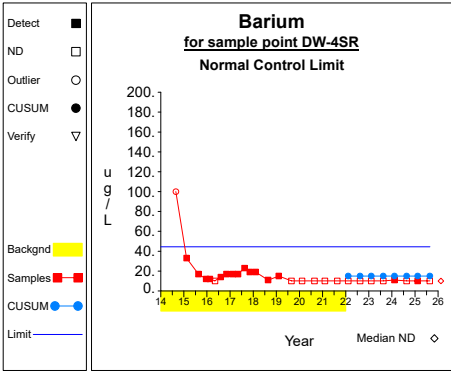
Graph 9



Graph 10

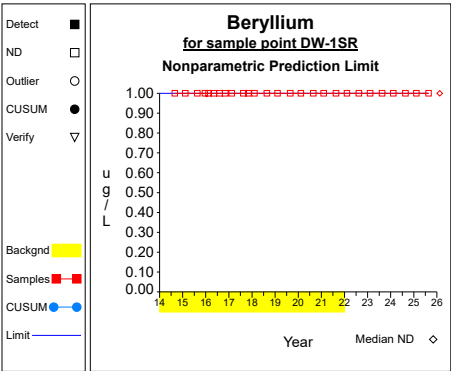


Graph 11

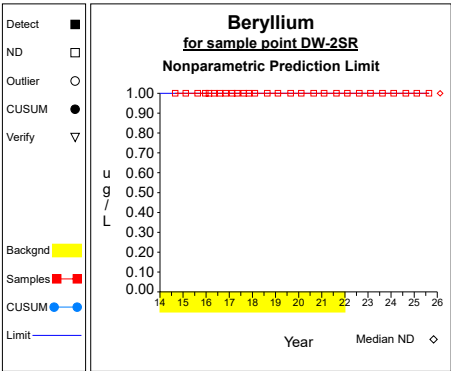


Graph 12

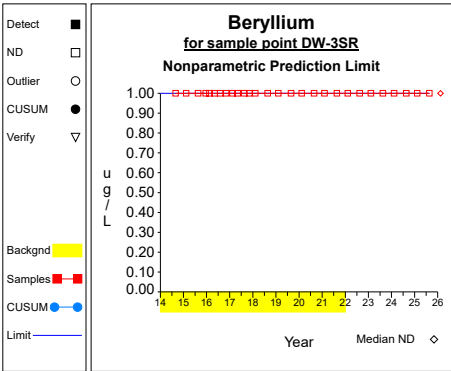
Intra-Well Control Charts / Prediction Limits



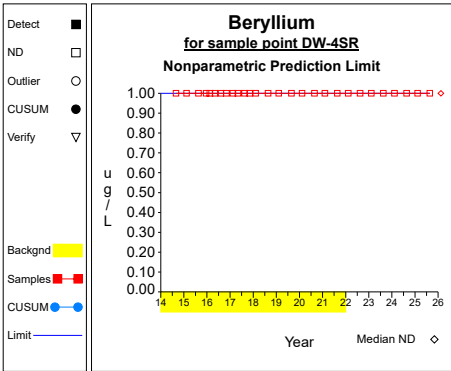
Graph 13



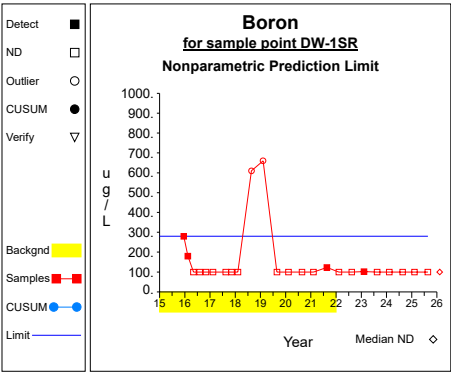
Graph 14



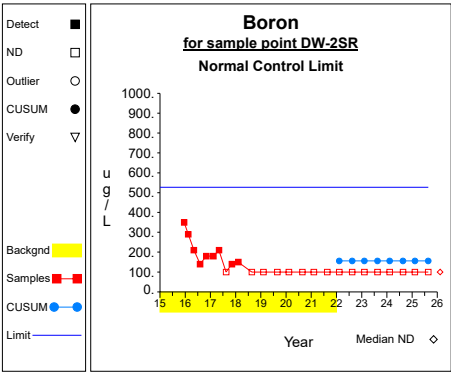
Graph 15



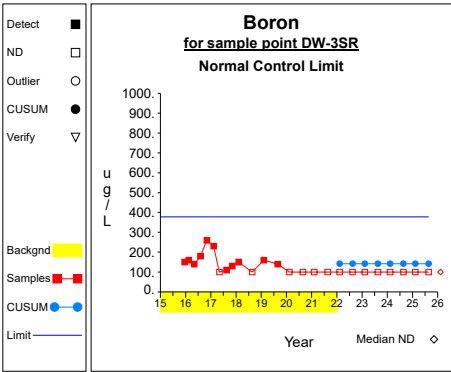
Graph 16



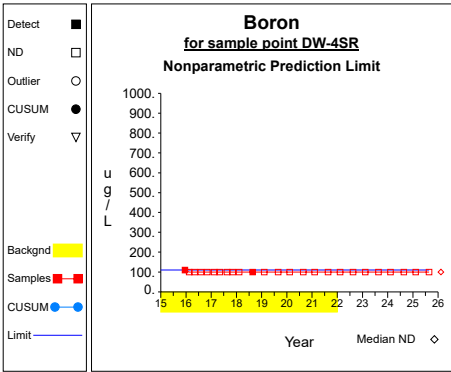
Graph 17



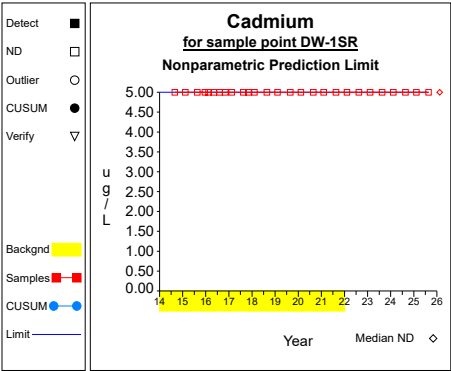
Graph 18



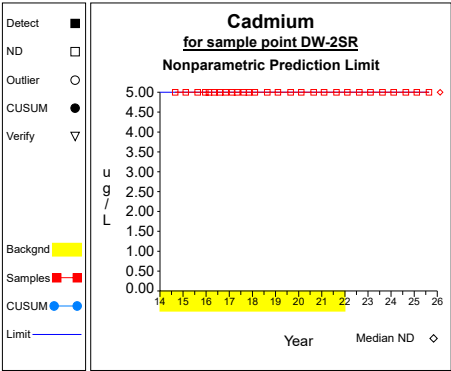
Graph 19



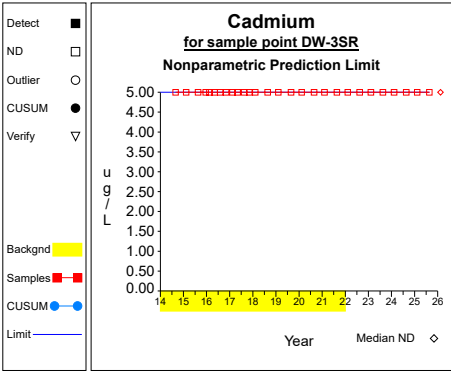
Graph 20



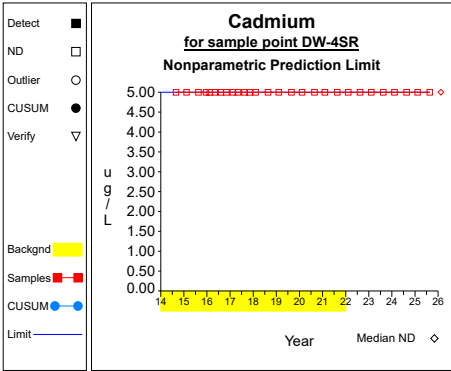
Graph 21



Graph 22

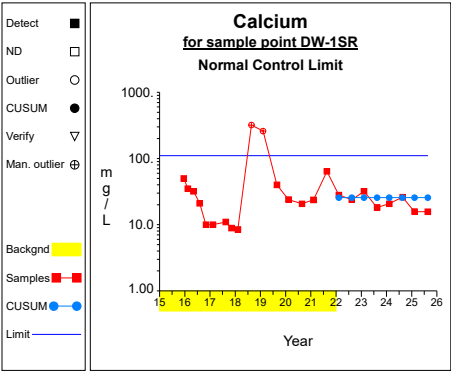


Graph 23

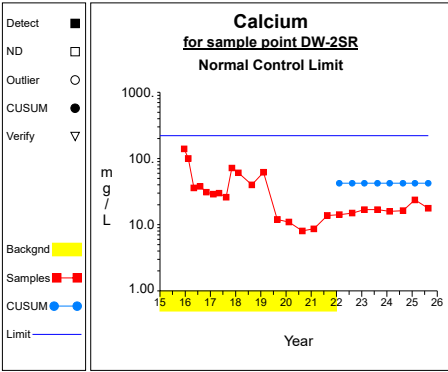


Graph 24

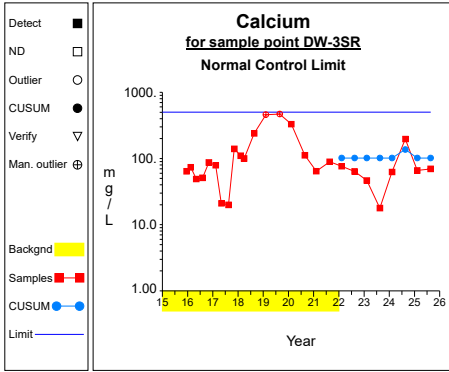
Intra-Well Control Charts / Prediction Limits



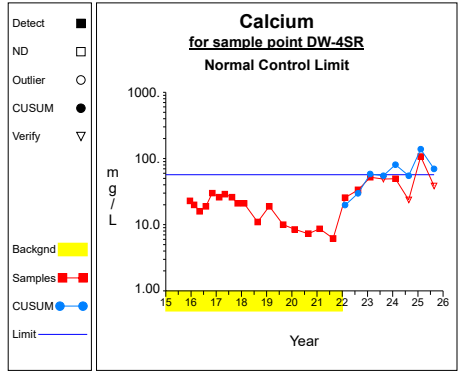
Graph 25



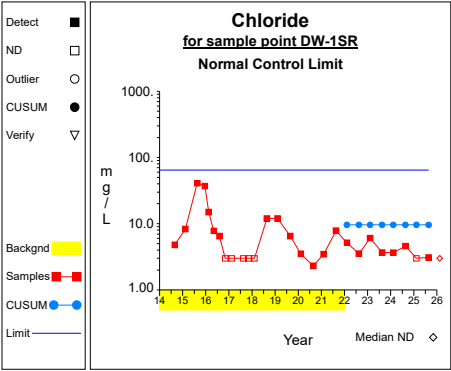
Graph 26



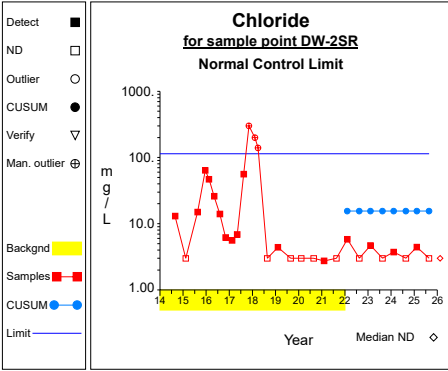
Graph 27



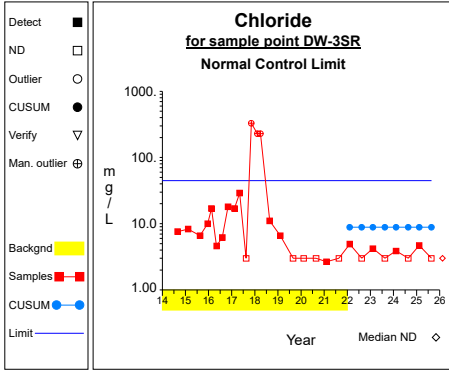
Graph 28



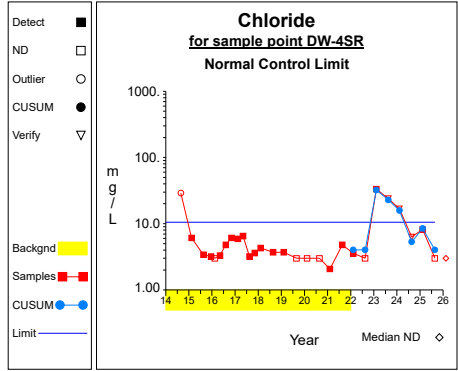
Graph 29



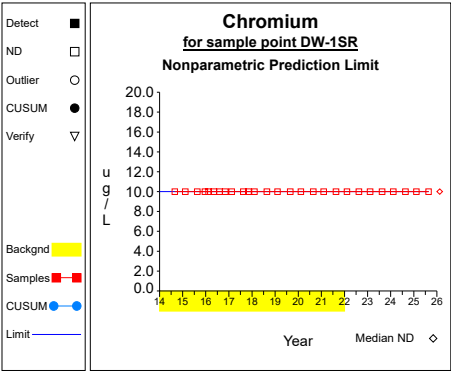
Graph 30



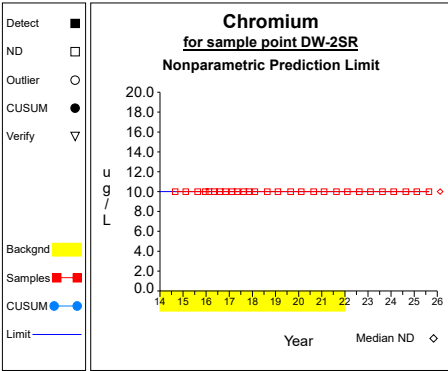
Graph 31



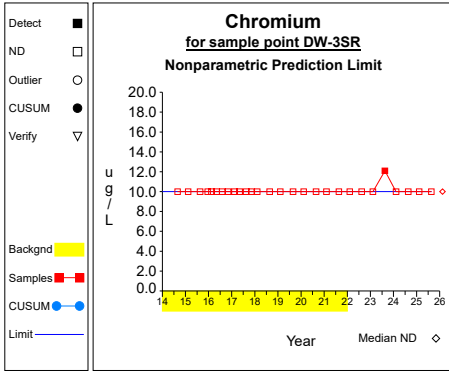
Graph 32



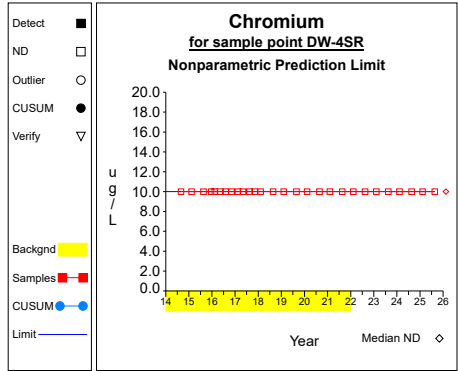
Graph 33



Graph 34

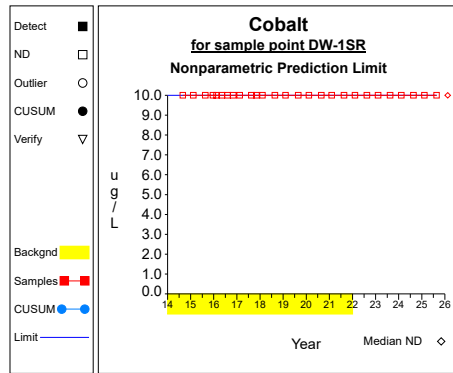


Graph 35

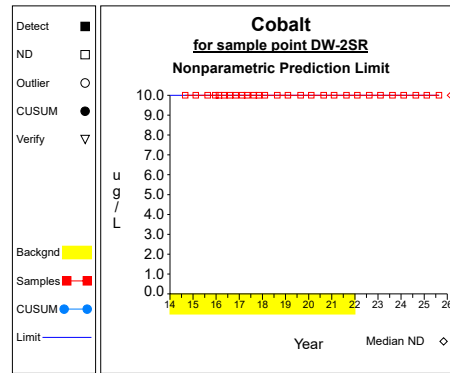


Graph 36

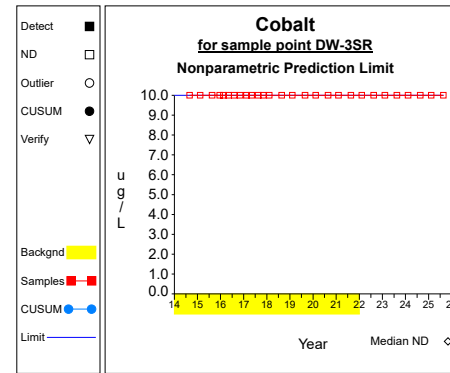
Intra-Well Control Charts / Prediction Limits



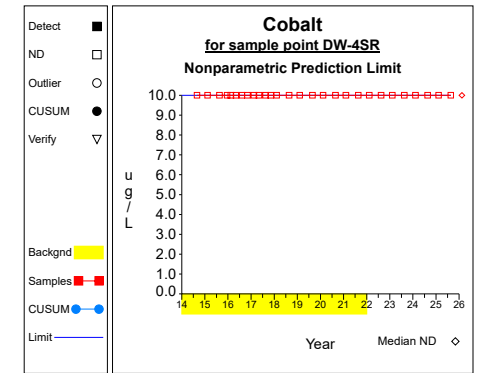
Graph 37



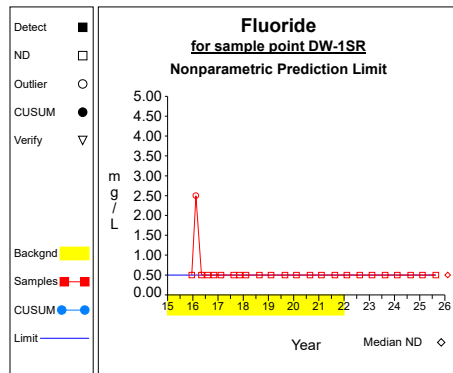
Graph 38



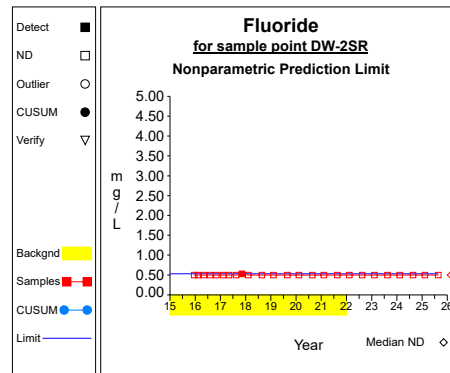
Graph 39



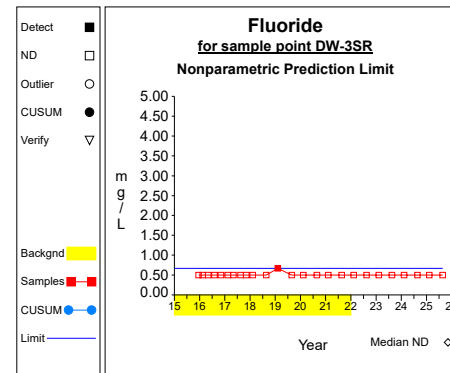
Graph 40



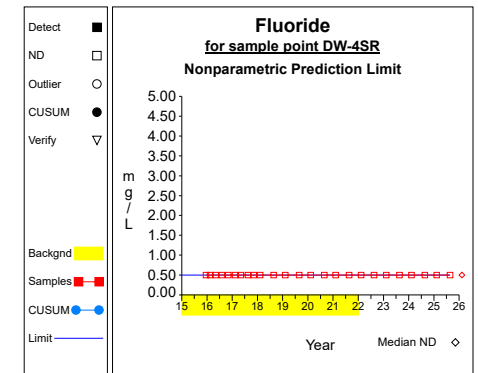
Graph 41



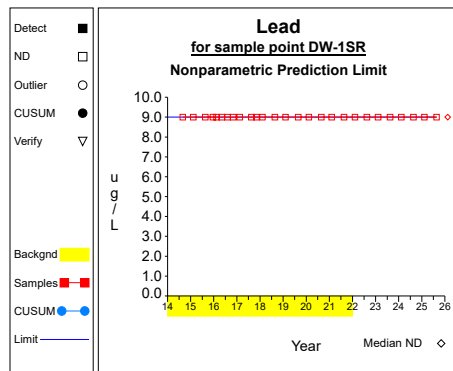
Graph 42



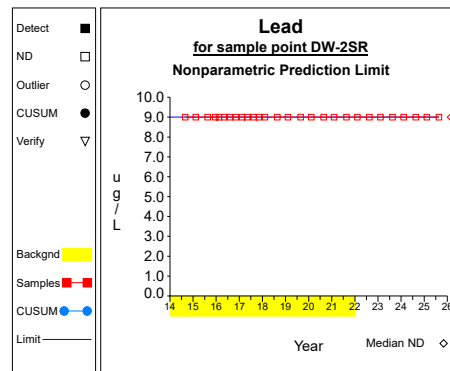
Graph 43



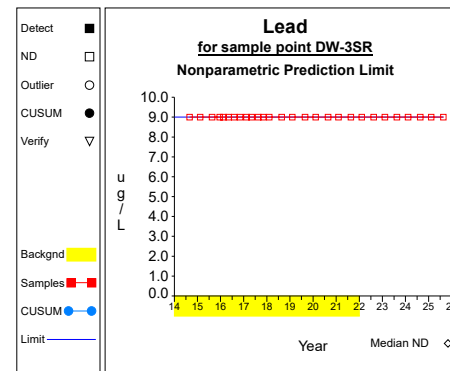
Graph 44



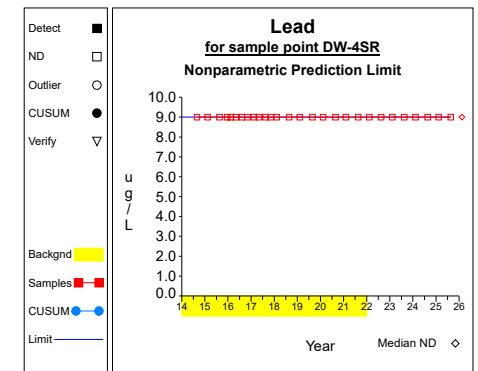
Graph 45



Graph 46

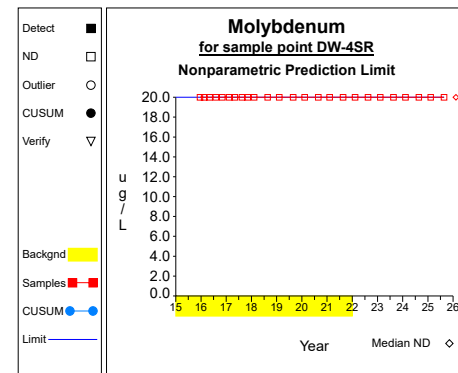
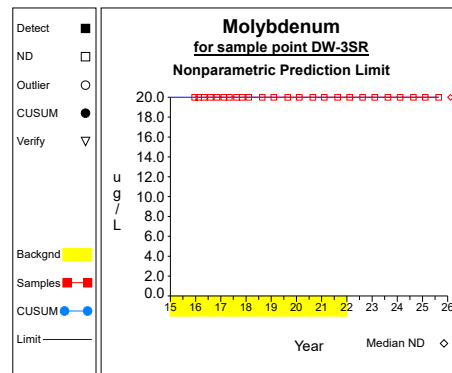
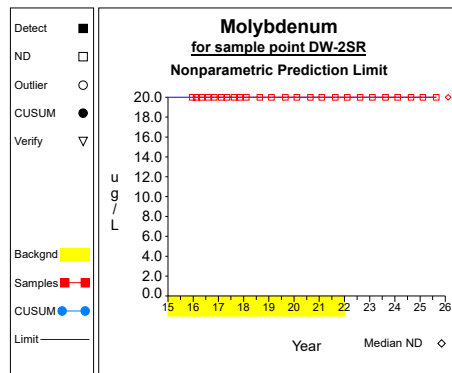
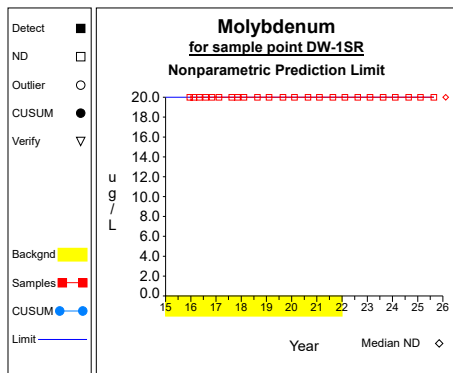
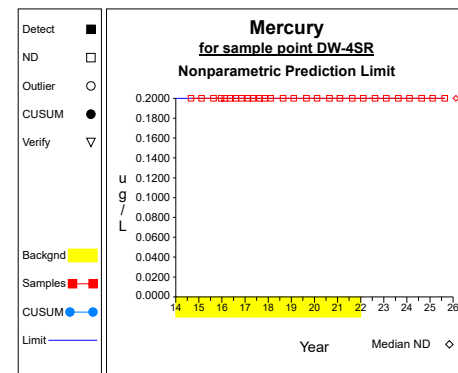
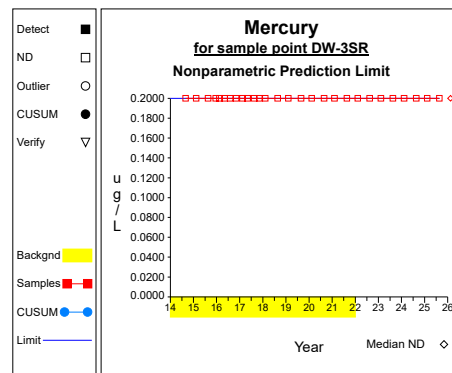
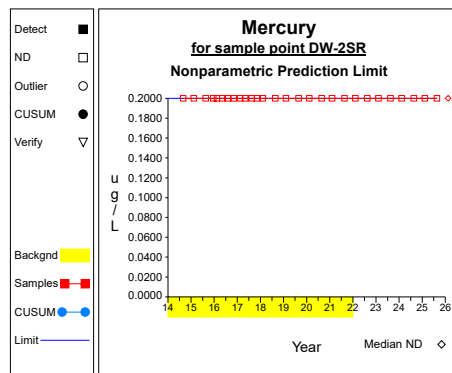
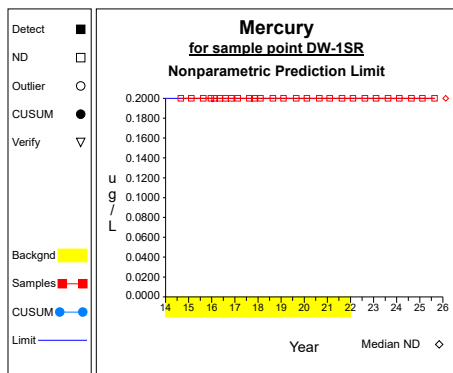
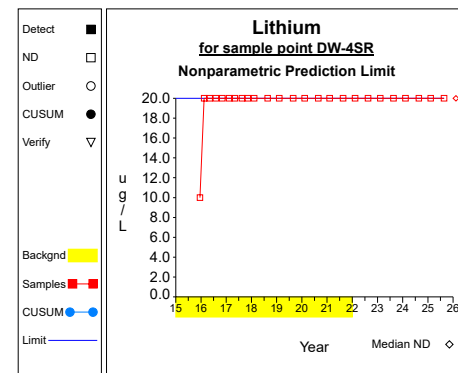
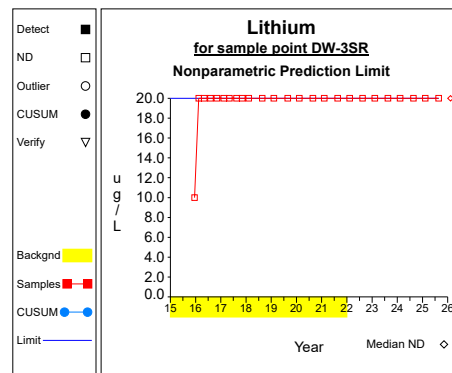
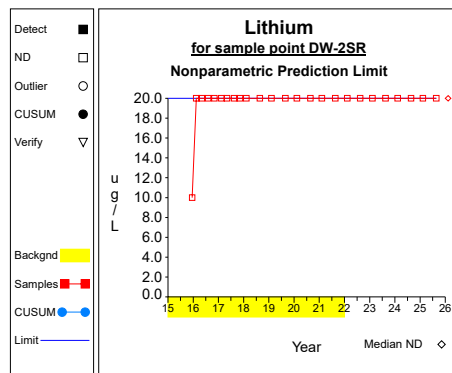
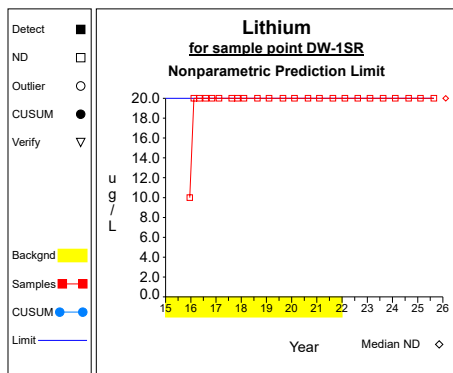


Graph 47

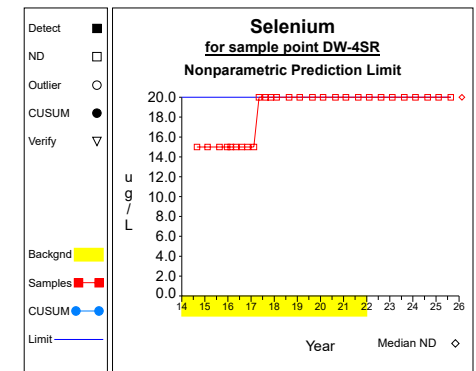
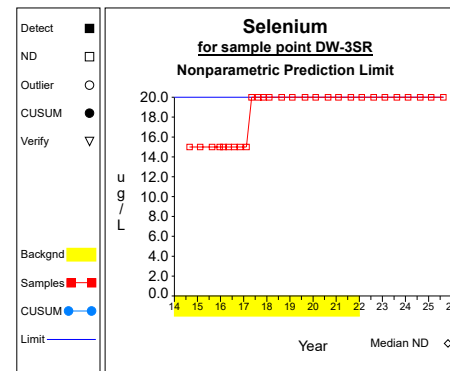
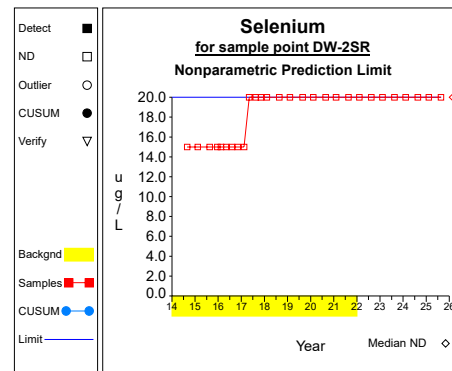
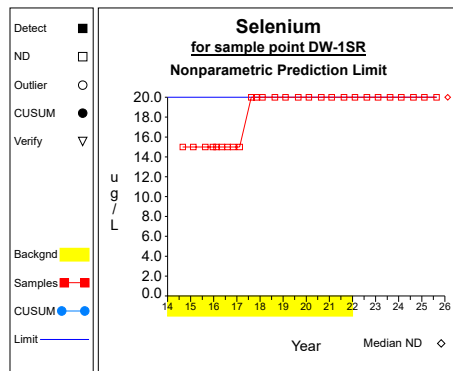
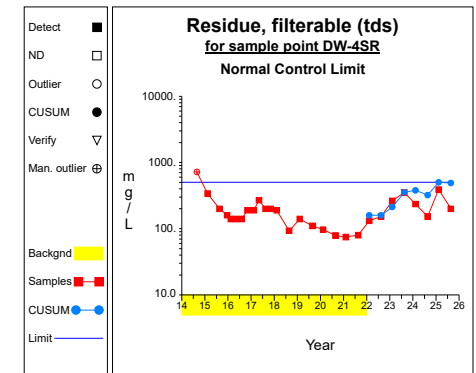
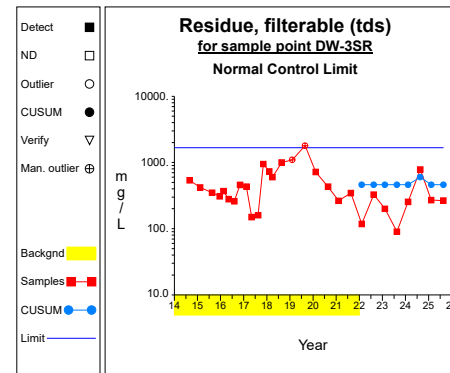
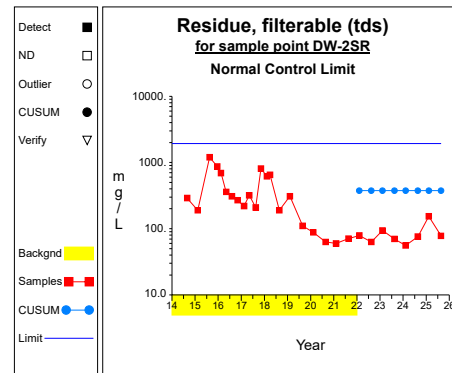
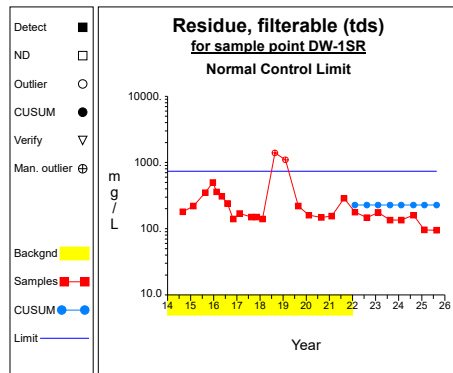
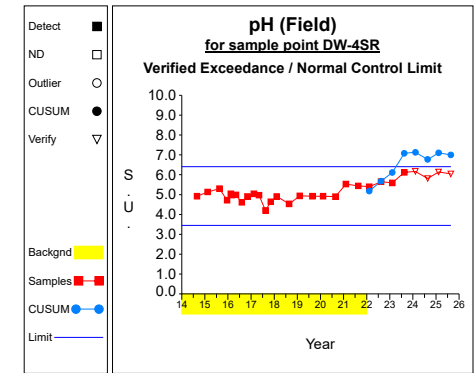
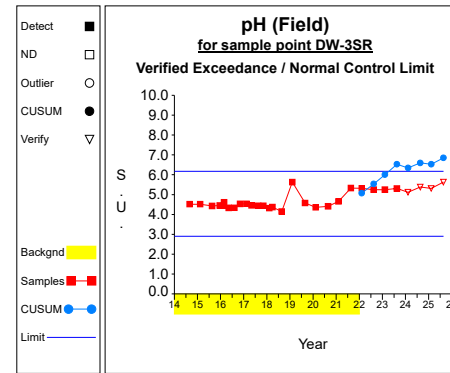
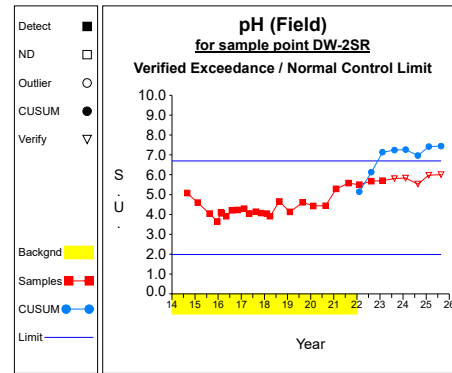
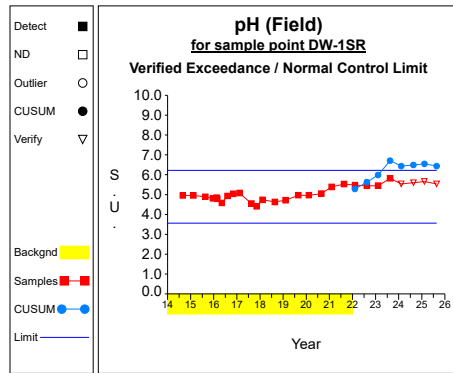


Graph 48

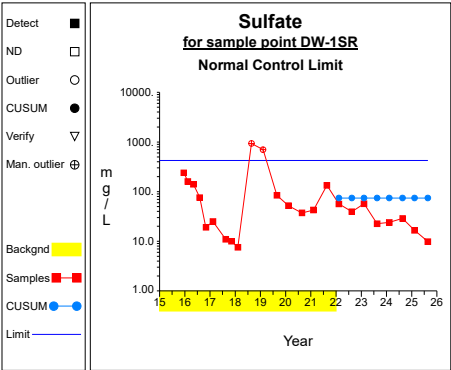
Prepared by: Otter Creek Environmental



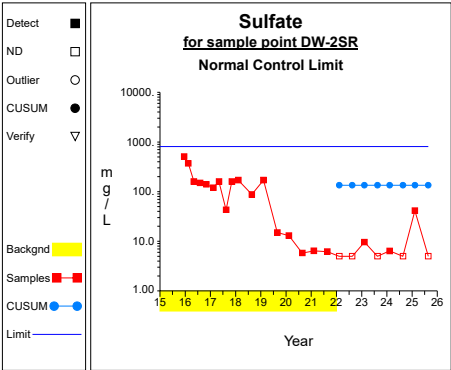
Intra-Well Control Charts / Prediction Limits



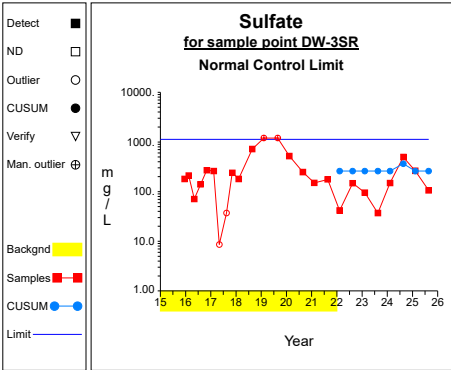
Intra-Well Control Charts / Prediction Limits



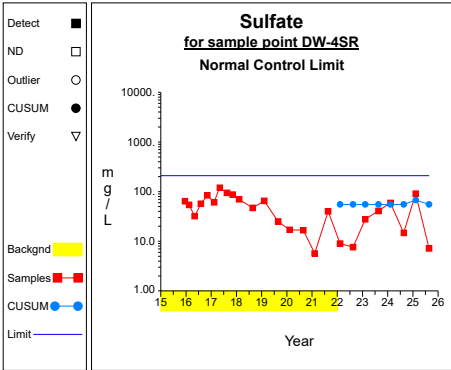
Graph 73



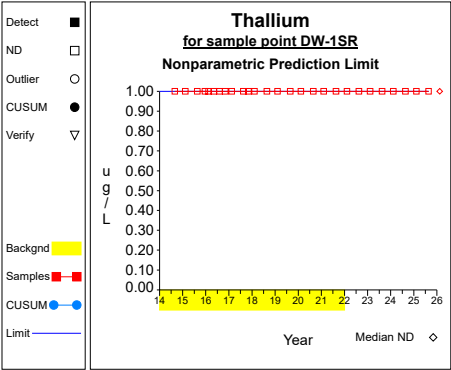
Graph 74



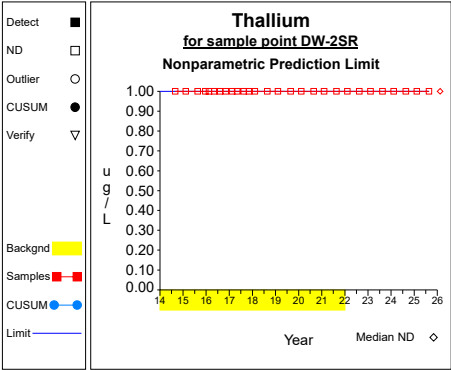
Graph 75



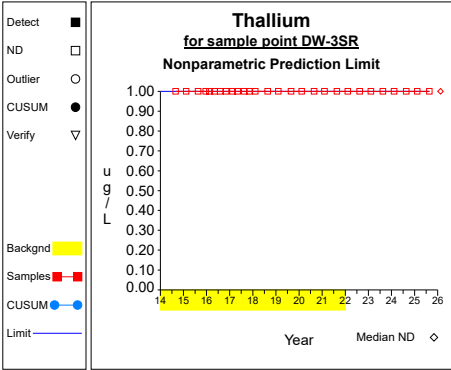
Graph 76



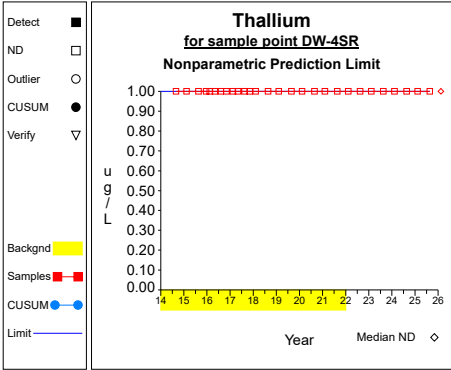
Graph 77



Graph 78



Graph 79



Graph 80

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

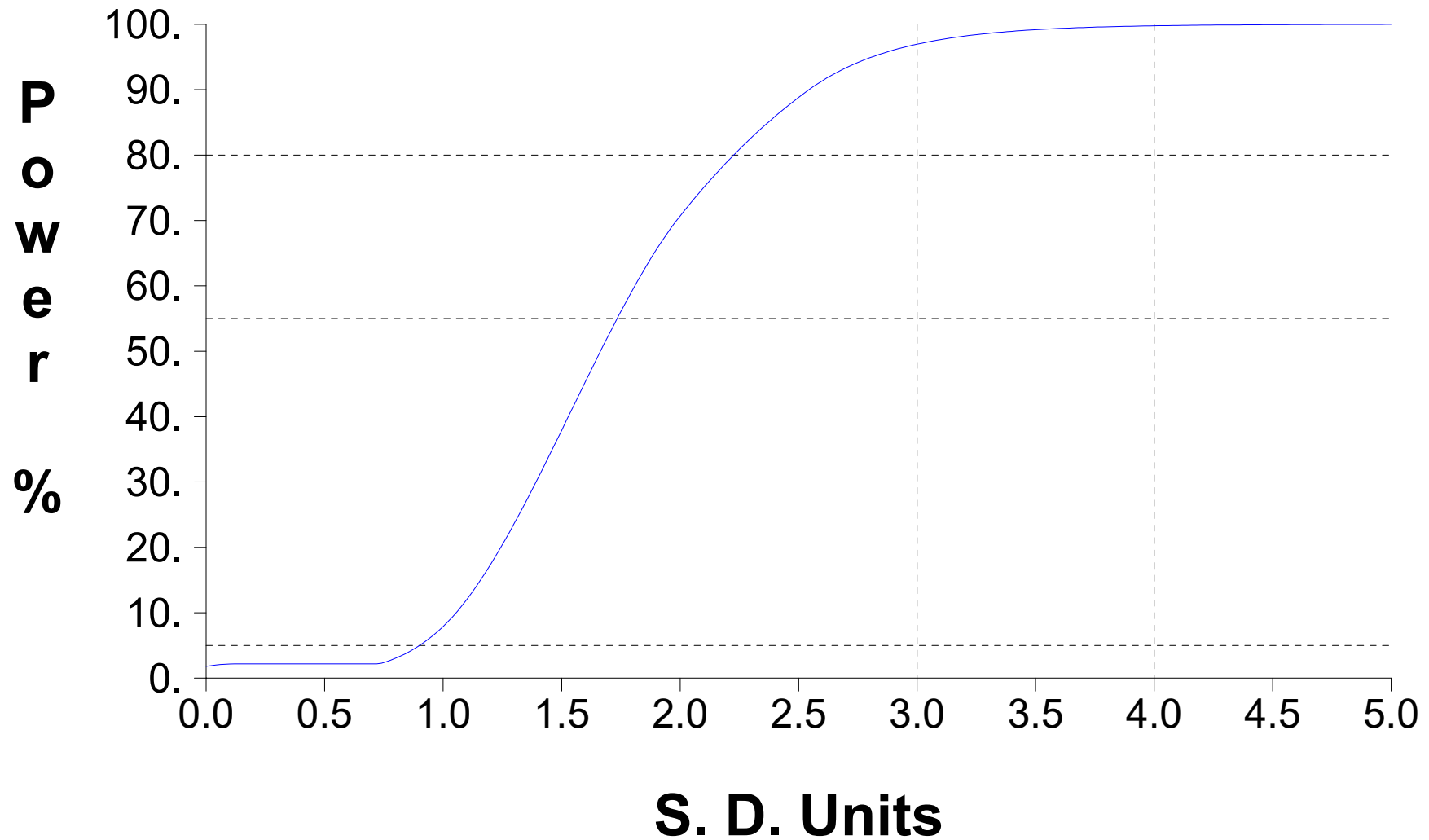


Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Antimony	ug/L	DW-1SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/15/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	11/02/2016	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/24/2020	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-1SR	02/10/2022		2.0000	ND				
Antimony	ug/L	DW-1SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-1SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-1SR	08/17/2023		2.0000	ND				
Antimony	ug/L	DW-1SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-1SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-1SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-1SR	08/22/2025		2.0000	ND				
Antimony	ug/L	DW-2SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/15/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	11/02/2016	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	05/03/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/24/2020	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-2SR	02/10/2022		2.0000	ND				
Antimony	ug/L	DW-2SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-2SR	02/10/2023		2.0000	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	
Antimony	ug/L	DW-2SR	08/17/2023		2.0000	ND				
Antimony	ug/L	DW-2SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-2SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-2SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-2SR	08/22/2025		2.0000	ND				
Antimony	ug/L	DW-3SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/16/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	11/03/2016	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	05/03/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/12/2020	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/25/2020	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-3SR	02/10/2022		2.0000	ND				
Antimony	ug/L	DW-3SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-3SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-3SR	08/17/2023		2.0000	ND				
Antimony	ug/L	DW-3SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-3SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-3SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-3SR	08/22/2025		2.0000	ND				
Antimony	ug/L	DW-4SR	08/28/2014	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/13/2015	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	12/17/2015	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/16/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	05/05/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/04/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	11/03/2016	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/13/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	05/03/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/16/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	11/07/2017	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/09/2018	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/23/2018	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/08/2019	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/27/2019	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/12/2020	yes	2.0000	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	
Antimony	ug/L	DW-4SR	08/25/2020	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/08/2021	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	08/20/2021	yes	2.0000	ND				
Antimony	ug/L	DW-4SR	02/11/2022		2.0000	ND				
Antimony	ug/L	DW-4SR	08/16/2022		2.0000	ND				
Antimony	ug/L	DW-4SR	02/10/2023		2.0000	ND				
Antimony	ug/L	DW-4SR	08/18/2023		2.0000	ND				
Antimony	ug/L	DW-4SR	02/09/2024		2.0000	ND				
Antimony	ug/L	DW-4SR	08/21/2024		2.0000	ND				
Antimony	ug/L	DW-4SR	02/10/2025		2.0000	ND				
Antimony	ug/L	DW-4SR	08/22/2025		2.0000	ND				
Arsenic	ug/L	DW-1SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/15/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	11/02/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/24/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-1SR	02/10/2022		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-1SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/17/2023		5.0000	ND				
Arsenic	ug/L	DW-1SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-1SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-1SR	08/22/2025		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/15/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	11/02/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	05/03/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	11/07/2017	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic	ug/L	DW-2SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/24/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-2SR	02/10/2022		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-2SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/17/2023		5.0000	ND				
Arsenic	ug/L	DW-2SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-2SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-2SR	08/22/2025		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/16/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	05/05/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	11/03/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	05/03/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/25/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-3SR	02/10/2022		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-3SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/17/2023		5.0000	ND				
Arsenic	ug/L	DW-3SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-3SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-3SR	08/22/2025		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/28/2014	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/13/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	12/17/2015	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/16/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	05/05/2016	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Arsenic	ug/L	DW-4SR	08/04/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	11/03/2016	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/13/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	05/03/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/16/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	11/07/2017	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/09/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/23/2018	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/08/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/27/2019	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/12/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/25/2020	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/08/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	08/20/2021	yes	5.0000	ND				
Arsenic	ug/L	DW-4SR	02/11/2022		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/16/2022		5.0000	ND				
Arsenic	ug/L	DW-4SR	02/10/2023		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/18/2023		5.0000	ND				
Arsenic	ug/L	DW-4SR	02/09/2024		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/21/2024		5.0000	ND				
Arsenic	ug/L	DW-4SR	02/10/2025		5.0000	ND				
Arsenic	ug/L	DW-4SR	08/22/2025		5.0000	ND				
Barium	ug/L	DW-1SR	08/28/2014	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/13/2015	yes	21.0000					
Barium	ug/L	DW-1SR	08/17/2015	yes	33.0000					
Barium	ug/L	DW-1SR	12/17/2015	yes	27.0000					
Barium	ug/L	DW-1SR	02/15/2016	yes	15.0000					
Barium	ug/L	DW-1SR	05/05/2016	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/04/2016	yes	10.0000	ND				
Barium	ug/L	DW-1SR	11/02/2016	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/13/2017	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/16/2017	yes	10.0000	ND				
Barium	ug/L	DW-1SR	11/07/2017	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/09/2018	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/23/2018	yes	68.0000					
Barium	ug/L	DW-1SR	02/08/2019	yes	43.0000					
Barium	ug/L	DW-1SR	08/27/2019	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/12/2020	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/24/2020	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-1SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-1SR	02/10/2022		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/16/2022		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	02/10/2023		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/17/2023		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	02/09/2024		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/21/2024		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	02/10/2025		10.0000	ND		17.7368		
Barium	ug/L	DW-1SR	08/22/2025		10.0000	ND		17.7368		
Barium	ug/L	DW-2SR	08/28/2014	yes	10.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium	ug/L	DW-2SR	02/13/2015	yes	21.0000					
Barium	ug/L	DW-2SR	08/17/2015	yes	74.0000					
Barium	ug/L	DW-2SR	12/17/2015	yes	52.0000					
Barium	ug/L	DW-2SR	02/15/2016	yes	36.0000					
Barium	ug/L	DW-2SR	05/05/2016	yes	10.0000	ND				
Barium	ug/L	DW-2SR	08/04/2016	yes	16.0000					
Barium	ug/L	DW-2SR	11/02/2016	yes	17.0000					
Barium	ug/L	DW-2SR	02/13/2017	yes	16.0000					
Barium	ug/L	DW-2SR	05/03/2017	yes	12.0000					
Barium	ug/L	DW-2SR	08/16/2017	yes	12.0000					
Barium	ug/L	DW-2SR	11/07/2017	yes	37.0000					
Barium	ug/L	DW-2SR	02/09/2018	yes	35.0000					
Barium	ug/L	DW-2SR	08/23/2018	yes	19.0000					
Barium	ug/L	DW-2SR	02/08/2019	yes	27.0000					
Barium	ug/L	DW-2SR	08/27/2019	yes	10.0000	ND				
Barium	ug/L	DW-2SR	02/12/2020	yes	10.0000	ND				
Barium	ug/L	DW-2SR	08/24/2020	yes	10.0000	ND				
Barium	ug/L	DW-2SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-2SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-2SR	02/10/2022		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/16/2022		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	02/10/2023		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/17/2023		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	02/09/2024		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/21/2024		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	02/10/2025		10.0000	ND		22.2000		
Barium	ug/L	DW-2SR	08/22/2025		10.0000	ND		22.2000		
Barium	ug/L	DW-3SR	08/28/2014	yes	38.0000					
Barium	ug/L	DW-3SR	02/13/2015	yes	33.0000					
Barium	ug/L	DW-3SR	08/17/2015	yes	34.0000					
Barium	ug/L	DW-3SR	12/17/2015	yes	33.0000					
Barium	ug/L	DW-3SR	02/16/2016	yes	31.0000					
Barium	ug/L	DW-3SR	05/05/2016	yes	12.0000					
Barium	ug/L	DW-3SR	08/04/2016	yes	26.0000					
Barium	ug/L	DW-3SR	11/03/2016	yes	22.0000					
Barium	ug/L	DW-3SR	02/13/2017	yes	21.0000					
Barium	ug/L	DW-3SR	05/03/2017	yes	10.0000	ND				
Barium	ug/L	DW-3SR	08/16/2017	yes	14.0000					
Barium	ug/L	DW-3SR	11/07/2017	yes	34.0000					
Barium	ug/L	DW-3SR	02/09/2018	yes	29.0000					
Barium	ug/L	DW-3SR	08/23/2018	yes	33.0000					
Barium	ug/L	DW-3SR	02/08/2019	yes	59.0000					
Barium	ug/L	DW-3SR	08/27/2019	yes	58.0000					
Barium	ug/L	DW-3SR	02/12/2020	yes	40.0000					
Barium	ug/L	DW-3SR	08/25/2020	yes	14.0000					
Barium	ug/L	DW-3SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-3SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-3SR	02/10/2022		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	08/16/2022		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	02/10/2023		10.0000	ND		28.0500		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Barium	ug/L	DW-3SR	08/17/2023		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	02/09/2024		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	08/21/2024		28.0000			28.0500		
Barium	ug/L	DW-3SR	02/10/2025		10.0000	ND		28.0500		
Barium	ug/L	DW-3SR	08/22/2025		10.0000	ND		28.0500		
Barium	ug/L	DW-4SR	08/28/2014	yes	100.0000		yes			*
Barium	ug/L	DW-4SR	02/13/2015	yes	33.0000					
Barium	ug/L	DW-4SR	08/17/2015	yes	17.0000					
Barium	ug/L	DW-4SR	12/17/2015	yes	12.0000					
Barium	ug/L	DW-4SR	02/16/2016	yes	12.0000					
Barium	ug/L	DW-4SR	05/05/2016	yes	10.0000	ND				
Barium	ug/L	DW-4SR	08/04/2016	yes	14.0000					
Barium	ug/L	DW-4SR	11/03/2016	yes	17.0000					
Barium	ug/L	DW-4SR	02/13/2017	yes	17.0000					
Barium	ug/L	DW-4SR	05/03/2017	yes	17.0000					
Barium	ug/L	DW-4SR	08/16/2017	yes	23.0000					
Barium	ug/L	DW-4SR	11/07/2017	yes	19.0000					
Barium	ug/L	DW-4SR	02/09/2018	yes	19.0000					
Barium	ug/L	DW-4SR	08/23/2018	yes	11.0000					
Barium	ug/L	DW-4SR	02/08/2019	yes	15.0000					
Barium	ug/L	DW-4SR	08/27/2019	yes	10.0000	ND				
Barium	ug/L	DW-4SR	02/12/2020	yes	10.0000	ND				
Barium	ug/L	DW-4SR	08/25/2020	yes	10.0000	ND				
Barium	ug/L	DW-4SR	02/08/2021	yes	10.0000	ND				
Barium	ug/L	DW-4SR	08/20/2021	yes	10.0000	ND				
Barium	ug/L	DW-4SR	02/11/2022		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	08/16/2022		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	02/10/2023		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	08/18/2023		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	02/09/2024		11.0000			15.0526		
Barium	ug/L	DW-4SR	08/21/2024		10.0000	ND		15.0526		
Barium	ug/L	DW-4SR	02/10/2025		10.0000			15.0526		
Barium	ug/L	DW-4SR	08/22/2025		10.0000	ND		15.0526		
Beryllium	ug/L	DW-1SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/15/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	11/02/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/24/2020	yes	1.0000	ND				

* - Outlier for that well and constituent.

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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	
Beryllium	ug/L	DW-1SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-1SR	02/10/2022		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-1SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/17/2023		1.0000	ND				
Beryllium	ug/L	DW-1SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-1SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-1SR	08/22/2025		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/15/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	11/02/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	05/03/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/24/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-2SR	02/10/2022		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-2SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/17/2023		1.0000	ND				
Beryllium	ug/L	DW-2SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-2SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-2SR	08/22/2025		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/16/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	11/03/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	05/03/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	11/07/2017	yes	1.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Beryllium	ug/L	DW-3SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/25/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-3SR	02/10/2022		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-3SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/17/2023		1.0000	ND				
Beryllium	ug/L	DW-3SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-3SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-3SR	08/22/2025		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/28/2014	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/13/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	12/17/2015	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/16/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	05/05/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/04/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	11/03/2016	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/13/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	05/03/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/16/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	11/07/2017	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/09/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/23/2018	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/08/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/27/2019	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/12/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/25/2020	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/08/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	08/20/2021	yes	1.0000	ND				
Beryllium	ug/L	DW-4SR	02/11/2022		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/16/2022		1.0000	ND				
Beryllium	ug/L	DW-4SR	02/10/2023		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/18/2023		1.0000	ND				
Beryllium	ug/L	DW-4SR	02/09/2024		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/21/2024		1.0000	ND				
Beryllium	ug/L	DW-4SR	02/10/2025		1.0000	ND				
Beryllium	ug/L	DW-4SR	08/22/2025		1.0000	ND				
Boron	ug/L	DW-1SR	12/17/2015	yes	280.0000					
Boron	ug/L	DW-1SR	02/15/2016	yes	180.0000					
Boron	ug/L	DW-1SR	05/05/2016	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/04/2016	yes	100.0000	ND				
Boron	ug/L	DW-1SR	11/02/2016	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/13/2017	yes	100.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Boron	ug/L	DW-1SR	08/16/2017	yes	100.0000	ND				
Boron	ug/L	DW-1SR	11/07/2017	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/09/2018	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/23/2018	yes	610.0000		yes			*
Boron	ug/L	DW-1SR	02/08/2019	yes	660.0000		yes			*
Boron	ug/L	DW-1SR	08/27/2019	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/24/2020	yes	100.0000	ND				
Boron	ug/L	DW-1SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-1SR	08/20/2021	yes	123.0000					
Boron	ug/L	DW-1SR	02/10/2022		100.0000	ND				
Boron	ug/L	DW-1SR	08/16/2022		100.0000	ND				
Boron	ug/L	DW-1SR	02/10/2023		102.0000					
Boron	ug/L	DW-1SR	08/17/2023		100.0000	ND				
Boron	ug/L	DW-1SR	02/09/2024		100.0000	ND				
Boron	ug/L	DW-1SR	08/21/2024		100.0000	ND				
Boron	ug/L	DW-1SR	02/10/2025		100.0000	ND				
Boron	ug/L	DW-1SR	08/22/2025		100.0000	ND				
Boron	ug/L	DW-2SR	12/17/2015	yes	350.0000					
Boron	ug/L	DW-2SR	02/15/2016	yes	290.0000					
Boron	ug/L	DW-2SR	05/05/2016	yes	210.0000					
Boron	ug/L	DW-2SR	08/04/2016	yes	140.0000					
Boron	ug/L	DW-2SR	11/02/2016	yes	180.0000					
Boron	ug/L	DW-2SR	02/13/2017	yes	180.0000					
Boron	ug/L	DW-2SR	05/03/2017	yes	210.0000					
Boron	ug/L	DW-2SR	08/16/2017	yes	100.0000	ND				
Boron	ug/L	DW-2SR	11/07/2017	yes	140.0000					
Boron	ug/L	DW-2SR	02/09/2018	yes	150.0000					
Boron	ug/L	DW-2SR	08/23/2018	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/08/2019	yes	100.0000	ND				
Boron	ug/L	DW-2SR	08/27/2019	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-2SR	08/24/2020	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-2SR	08/20/2021	yes	100.0000	ND				
Boron	ug/L	DW-2SR	02/10/2022		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/16/2022		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	02/10/2023		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/17/2023		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	02/09/2024		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/21/2024		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	02/10/2025		100.0000	ND		155.8824		
Boron	ug/L	DW-2SR	08/22/2025		100.0000	ND		155.8824		
Boron	ug/L	DW-3SR	12/17/2015	yes	150.0000					
Boron	ug/L	DW-3SR	02/16/2016	yes	160.0000					
Boron	ug/L	DW-3SR	05/05/2016	yes	140.0000					
Boron	ug/L	DW-3SR	08/04/2016	yes	180.0000					
Boron	ug/L	DW-3SR	11/03/2016	yes	260.0000					
Boron	ug/L	DW-3SR	02/13/2017	yes	230.0000					
Boron	ug/L	DW-3SR	05/03/2017	yes	100.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Boron	ug/L	DW-3SR	08/16/2017	yes	110.0000					
Boron	ug/L	DW-3SR	11/07/2017	yes	130.0000					
Boron	ug/L	DW-3SR	02/09/2018	yes	150.0000					
Boron	ug/L	DW-3SR	08/23/2018	yes	100.0000	ND				
Boron	ug/L	DW-3SR	02/08/2019	yes	160.0000					
Boron	ug/L	DW-3SR	08/27/2019	yes	140.0000					
Boron	ug/L	DW-3SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-3SR	08/25/2020	yes	100.0000	ND				
Boron	ug/L	DW-3SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-3SR	08/20/2021	yes	100.0000	ND				
Boron	ug/L	DW-3SR	02/10/2022		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/16/2022		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	02/10/2023		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/17/2023		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	02/09/2024		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/21/2024		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	02/10/2025		100.0000	ND		141.7647		
Boron	ug/L	DW-3SR	08/22/2025		100.0000	ND		141.7647		
Boron	ug/L	DW-4SR	12/17/2015	yes	110.0000					
Boron	ug/L	DW-4SR	02/16/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	05/05/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/04/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	11/03/2016	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/13/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	05/03/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/16/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	11/07/2017	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/09/2018	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/23/2018	yes	100.0000					
Boron	ug/L	DW-4SR	02/08/2019	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/27/2019	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/12/2020	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/25/2020	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/08/2021	yes	100.0000	ND				
Boron	ug/L	DW-4SR	08/20/2021	yes	100.0000	ND				
Boron	ug/L	DW-4SR	02/11/2022		100.0000	ND				
Boron	ug/L	DW-4SR	08/16/2022		100.0000	ND				
Boron	ug/L	DW-4SR	02/10/2023		100.0000	ND				
Boron	ug/L	DW-4SR	08/18/2023		100.0000	ND				
Boron	ug/L	DW-4SR	02/09/2024		100.0000	ND				
Boron	ug/L	DW-4SR	08/21/2024		100.0000	ND				
Boron	ug/L	DW-4SR	02/10/2025		100.0000	ND				
Boron	ug/L	DW-4SR	08/22/2025		100.0000	ND				
Cadmium	ug/L	DW-1SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/15/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/04/2016	yes	5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium	ug/L	DW-1SR	11/02/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/24/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-1SR	02/10/2022		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-1SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/17/2023		5.0000	ND				
Cadmium	ug/L	DW-1SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-1SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-1SR	08/22/2025		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/15/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	11/02/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	05/03/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/24/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-2SR	02/10/2022		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-2SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/17/2023		5.0000	ND				
Cadmium	ug/L	DW-2SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-2SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-2SR	08/22/2025		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/13/2015	yes	5.0000	ND				

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium	ug/L	DW-3SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/16/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	11/03/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	05/03/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/25/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-3SR	02/10/2022		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-3SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/17/2023		5.0000	ND				
Cadmium	ug/L	DW-3SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-3SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-3SR	08/22/2025		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/28/2014	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/13/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	12/17/2015	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/16/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	05/05/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/04/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	11/03/2016	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/13/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	05/03/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/16/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	11/07/2017	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/09/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/23/2018	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/08/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/27/2019	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/12/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/25/2020	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/08/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	08/20/2021	yes	5.0000	ND				
Cadmium	ug/L	DW-4SR	02/11/2022		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/16/2022		5.0000	ND				
Cadmium	ug/L	DW-4SR	02/10/2023		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/18/2023		5.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cadmium	ug/L	DW-4SR	02/09/2024		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/21/2024		5.0000	ND				
Cadmium	ug/L	DW-4SR	02/10/2025		5.0000	ND				
Cadmium	ug/L	DW-4SR	08/22/2025		5.0000	ND				
Calcium	mg/L	DW-1SR	12/17/2015	yes	50.0000					
Calcium	mg/L	DW-1SR	02/15/2016	yes	35.0000					
Calcium	mg/L	DW-1SR	05/05/2016	yes	32.0000					
Calcium	mg/L	DW-1SR	08/04/2016	yes	21.0000					
Calcium	mg/L	DW-1SR	11/02/2016	yes	10.0000					
Calcium	mg/L	DW-1SR	02/13/2017	yes	10.0000					
Calcium	mg/L	DW-1SR	08/16/2017	yes	11.0000					
Calcium	mg/L	DW-1SR	11/07/2017	yes	8.9000					
Calcium	mg/L	DW-1SR	02/09/2018	yes	8.5000					
Calcium	mg/L	DW-1SR	08/23/2018	yes	320.0000		yes			*
Calcium	mg/L	DW-1SR	02/08/2019	yes	260.0000		yes			*
Calcium	mg/L	DW-1SR	08/27/2019	yes	40.0000					
Calcium	mg/L	DW-1SR	02/12/2020	yes	24.0000					
Calcium	mg/L	DW-1SR	08/24/2020	yes	20.7000					
Calcium	mg/L	DW-1SR	02/08/2021	yes	23.7000					
Calcium	mg/L	DW-1SR	08/20/2021	yes	63.9000					
Calcium	mg/L	DW-1SR	02/10/2022		28.1000			25.6214		
Calcium	mg/L	DW-1SR	08/16/2022		23.9000			25.6214		
Calcium	mg/L	DW-1SR	02/10/2023		31.9000			25.6214		
Calcium	mg/L	DW-1SR	08/17/2023		18.2000			25.6214		
Calcium	mg/L	DW-1SR	02/09/2024		20.7000			25.6214		
Calcium	mg/L	DW-1SR	08/21/2024		26.1000			25.6214		
Calcium	mg/L	DW-1SR	02/10/2025		15.8000			25.6214		
Calcium	mg/L	DW-1SR	08/22/2025		15.7000			25.6214		
Calcium	mg/L	DW-2SR	12/17/2015	yes	140.0000					
Calcium	mg/L	DW-2SR	02/15/2016	yes	100.0000					
Calcium	mg/L	DW-2SR	05/05/2016	yes	36.0000					
Calcium	mg/L	DW-2SR	08/04/2016	yes	38.0000					
Calcium	mg/L	DW-2SR	11/02/2016	yes	31.0000					
Calcium	mg/L	DW-2SR	02/13/2017	yes	29.0000					
Calcium	mg/L	DW-2SR	05/03/2017	yes	30.0000					
Calcium	mg/L	DW-2SR	08/16/2017	yes	26.0000					
Calcium	mg/L	DW-2SR	11/07/2017	yes	72.0000					
Calcium	mg/L	DW-2SR	02/09/2018	yes	61.0000					
Calcium	mg/L	DW-2SR	08/23/2018	yes	40.0000					
Calcium	mg/L	DW-2SR	02/08/2019	yes	62.0000					
Calcium	mg/L	DW-2SR	08/27/2019	yes	12.0000					
Calcium	mg/L	DW-2SR	02/12/2020	yes	11.0000					
Calcium	mg/L	DW-2SR	08/24/2020	yes	8.0600					
Calcium	mg/L	DW-2SR	02/08/2021	yes	8.6700					
Calcium	mg/L	DW-2SR	08/20/2021	yes	13.8000					
Calcium	mg/L	DW-2SR	02/10/2022		14.2000			42.2665		
Calcium	mg/L	DW-2SR	08/16/2022		15.0000			42.2665		
Calcium	mg/L	DW-2SR	02/10/2023		16.9000			42.2665		
Calcium	mg/L	DW-2SR	08/17/2023		16.9000			42.2665		
Calcium	mg/L	DW-2SR	02/09/2024		15.9000			42.2665		

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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	
Calcium	mg/L	DW-2SR	08/21/2024		16.3000			42.2665		
Calcium	mg/L	DW-2SR	02/10/2025		23.7000			42.2665		
Calcium	mg/L	DW-2SR	08/22/2025		17.7000			42.2665		
Calcium	mg/L	DW-3SR	12/17/2015	yes	64.0000					
Calcium	mg/L	DW-3SR	02/16/2016	yes	74.0000					
Calcium	mg/L	DW-3SR	05/05/2016	yes	49.0000					
Calcium	mg/L	DW-3SR	08/04/2016	yes	51.0000					
Calcium	mg/L	DW-3SR	11/03/2016	yes	87.0000					
Calcium	mg/L	DW-3SR	02/13/2017	yes	79.0000					
Calcium	mg/L	DW-3SR	05/03/2017	yes	21.0000					
Calcium	mg/L	DW-3SR	08/16/2017	yes	20.0000					
Calcium	mg/L	DW-3SR	11/07/2017	yes	140.0000					
Calcium	mg/L	DW-3SR	02/09/2018	yes	110.0000					
Calcium	mg/L	DW-3SR	03/29/2018	yes	100.0000					
Calcium	mg/L	DW-3SR	08/23/2018	yes	240.0000					
Calcium	mg/L	DW-3SR	02/08/2019	yes	460.0000		yes			*
Calcium	mg/L	DW-3SR	08/27/2019	yes	470.0000		yes			*
Calcium	mg/L	DW-3SR	02/12/2020	yes	330.0000					
Calcium	mg/L	DW-3SR	08/25/2020	yes	112.0000					
Calcium	mg/L	DW-3SR	02/08/2021	yes	64.4000					
Calcium	mg/L	DW-3SR	08/20/2021	yes	89.2000					
Calcium	mg/L	DW-3SR	02/10/2022		76.5000			101.9125		
Calcium	mg/L	DW-3SR	08/16/2022		63.7000			101.9125		
Calcium	mg/L	DW-3SR	02/10/2023		46.6000			101.9125		
Calcium	mg/L	DW-3SR	08/17/2023		17.8000			101.9125		
Calcium	mg/L	DW-3SR	02/09/2024		62.7000			101.9125		
Calcium	mg/L	DW-3SR	08/21/2024		197.0000			137.0330		
Calcium	mg/L	DW-3SR	02/10/2025		66.0000			101.9125		
Calcium	mg/L	DW-3SR	08/22/2025		69.5000			101.9125		
Calcium	mg/L	DW-4SR	12/17/2015	yes	23.0000					
Calcium	mg/L	DW-4SR	02/16/2016	yes	20.0000					
Calcium	mg/L	DW-4SR	05/05/2016	yes	16.0000					
Calcium	mg/L	DW-4SR	08/04/2016	yes	19.0000					
Calcium	mg/L	DW-4SR	11/03/2016	yes	30.0000					
Calcium	mg/L	DW-4SR	02/13/2017	yes	26.0000					
Calcium	mg/L	DW-4SR	05/03/2017	yes	29.0000					
Calcium	mg/L	DW-4SR	08/16/2017	yes	26.0000					
Calcium	mg/L	DW-4SR	11/07/2017	yes	21.0000					
Calcium	mg/L	DW-4SR	02/09/2018	yes	21.0000					
Calcium	mg/L	DW-4SR	08/23/2018	yes	11.0000					
Calcium	mg/L	DW-4SR	02/08/2019	yes	19.0000					
Calcium	mg/L	DW-4SR	08/27/2019	yes	10.0000					
Calcium	mg/L	DW-4SR	02/12/2020	yes	8.5000					
Calcium	mg/L	DW-4SR	08/25/2020	yes	7.3000					
Calcium	mg/L	DW-4SR	02/08/2021	yes	8.6900					
Calcium	mg/L	DW-4SR	08/20/2021	yes	6.2000					
Calcium	mg/L	DW-4SR	02/11/2022		25.7000			19.8047		
Calcium	mg/L	DW-4SR	08/16/2022		33.6000			29.7630		
Calcium	mg/L	DW-4SR	02/10/2023		52.1000			58.2213		**
Calcium	mg/L	DW-4SR	08/18/2023		48.8000			54.9213		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Calcium	mg/L	DW-4SR	02/09/2024		49.5000			80.7795		**
Calcium	mg/L	DW-4SR	08/21/2024		23.7000			54.9795		
Calcium	mg/L	DW-4SR	02/10/2025		107.0000			138.3378		**
Calcium	mg/L	DW-4SR	08/22/2025		38.4000			69.7378		**
Chloride	mg/L	DW-1SR	08/28/2014	yes	4.8000					
Chloride	mg/L	DW-1SR	02/13/2015	yes	8.3000					
Chloride	mg/L	DW-1SR	08/17/2015	yes	41.0000					
Chloride	mg/L	DW-1SR	12/17/2015	yes	37.0000					
Chloride	mg/L	DW-1SR	02/15/2016	yes	15.0000					
Chloride	mg/L	DW-1SR	05/05/2016	yes	7.8000					
Chloride	mg/L	DW-1SR	08/04/2016	yes	6.5000					
Chloride	mg/L	DW-1SR	11/02/2016	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	02/13/2017	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	08/16/2017	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	11/07/2017	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	02/09/2018	yes	3.0000	ND				
Chloride	mg/L	DW-1SR	08/23/2018	yes	12.0000					
Chloride	mg/L	DW-1SR	02/08/2019	yes	12.0000					
Chloride	mg/L	DW-1SR	08/27/2019	yes	6.5000					
Chloride	mg/L	DW-1SR	02/12/2020	yes	3.5000					
Chloride	mg/L	DW-1SR	08/24/2020	yes	2.3100					
Chloride	mg/L	DW-1SR	02/08/2021	yes	3.4700					
Chloride	mg/L	DW-1SR	08/20/2021	yes	7.8600					
Chloride	mg/L	DW-1SR	02/10/2022		5.1600			9.6337		
Chloride	mg/L	DW-1SR	08/16/2022		3.5200			9.6337		
Chloride	mg/L	DW-1SR	02/10/2023		6.0700			9.6337		
Chloride	mg/L	DW-1SR	08/17/2023		3.6700			9.6337		
Chloride	mg/L	DW-1SR	02/09/2024		3.6500			9.6337		
Chloride	mg/L	DW-1SR	08/21/2024		4.5900			9.6337		
Chloride	mg/L	DW-1SR	02/10/2025		3.0000	ND		9.6337		
Chloride	mg/L	DW-1SR	08/22/2025		3.0900			9.6337		
Chloride	mg/L	DW-2SR	08/28/2014	yes	13.0000					
Chloride	mg/L	DW-2SR	02/13/2015	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	08/17/2015	yes	15.0000					
Chloride	mg/L	DW-2SR	12/17/2015	yes	64.0000					
Chloride	mg/L	DW-2SR	02/15/2016	yes	47.0000					
Chloride	mg/L	DW-2SR	05/05/2016	yes	26.0000					
Chloride	mg/L	DW-2SR	08/04/2016	yes	14.0000					
Chloride	mg/L	DW-2SR	11/02/2016	yes	6.2000					
Chloride	mg/L	DW-2SR	02/13/2017	yes	5.6000					
Chloride	mg/L	DW-2SR	05/03/2017	yes	6.9000					
Chloride	mg/L	DW-2SR	08/16/2017	yes	56.0000					
Chloride	mg/L	DW-2SR	11/07/2017	yes	300.0000					*
Chloride	mg/L	DW-2SR	02/09/2018	yes	200.0000		yes			*
Chloride	mg/L	DW-2SR	03/29/2018	yes	140.0000		yes			*
Chloride	mg/L	DW-2SR	08/23/2018	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/08/2019	yes	4.4000					
Chloride	mg/L	DW-2SR	08/27/2019	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/12/2020	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	08/24/2020	yes	3.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chloride	mg/L	DW-2SR	02/08/2021	yes	2.7400					
Chloride	mg/L	DW-2SR	08/20/2021	yes	3.0000	ND				
Chloride	mg/L	DW-2SR	02/10/2022		5.8300			15.4911		
Chloride	mg/L	DW-2SR	08/16/2022		3.0000	ND		15.4911		
Chloride	mg/L	DW-2SR	02/10/2023		4.6900			15.4911		
Chloride	mg/L	DW-2SR	08/17/2023		3.0000	ND		15.4911		
Chloride	mg/L	DW-2SR	02/09/2024		3.7400			15.4911		
Chloride	mg/L	DW-2SR	08/21/2024		3.0000	ND		15.4911		
Chloride	mg/L	DW-2SR	02/10/2025		4.4400			15.4911		
Chloride	mg/L	DW-2SR	08/22/2025		3.0000	ND		15.4911		
Chloride	mg/L	DW-3SR	08/28/2014	yes	7.6000					
Chloride	mg/L	DW-3SR	02/13/2015	yes	8.3000					
Chloride	mg/L	DW-3SR	08/17/2015	yes	6.6000					
Chloride	mg/L	DW-3SR	12/17/2015	yes	10.0000					
Chloride	mg/L	DW-3SR	02/16/2016	yes	17.0000					
Chloride	mg/L	DW-3SR	05/05/2016	yes	4.6000					
Chloride	mg/L	DW-3SR	08/04/2016	yes	6.2000					
Chloride	mg/L	DW-3SR	11/03/2016	yes	18.0000					
Chloride	mg/L	DW-3SR	02/13/2017	yes	17.0000					
Chloride	mg/L	DW-3SR	05/03/2017	yes	29.0000					
Chloride	mg/L	DW-3SR	08/16/2017	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	11/07/2017	yes	330.0000		yes			*
Chloride	mg/L	DW-3SR	02/09/2018	yes	230.0000		yes			*
Chloride	mg/L	DW-3SR	03/29/2018	yes	230.0000		yes			*
Chloride	mg/L	DW-3SR	08/23/2018	yes	11.0000					
Chloride	mg/L	DW-3SR	02/08/2019	yes	6.6000					
Chloride	mg/L	DW-3SR	08/27/2019	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	02/12/2020	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	08/25/2020	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	02/08/2021	yes	2.6600					
Chloride	mg/L	DW-3SR	08/20/2021	yes	3.0000	ND				
Chloride	mg/L	DW-3SR	02/10/2022		4.9200			8.8644		
Chloride	mg/L	DW-3SR	08/16/2022		3.0000	ND		8.8644		
Chloride	mg/L	DW-3SR	02/10/2023		4.2100			8.8644		
Chloride	mg/L	DW-3SR	08/17/2023		3.0000	ND		8.8644		
Chloride	mg/L	DW-3SR	02/09/2024		3.8700			8.8644		
Chloride	mg/L	DW-3SR	08/21/2024		3.0000	ND		8.8644		
Chloride	mg/L	DW-3SR	02/10/2025		4.6900			8.8644		
Chloride	mg/L	DW-3SR	08/22/2025		3.0000	ND		8.8644		
Chloride	mg/L	DW-4SR	08/28/2014	yes	29.0000		yes			*
Chloride	mg/L	DW-4SR	02/13/2015	yes	6.1000					
Chloride	mg/L	DW-4SR	08/17/2015	yes	3.4000					
Chloride	mg/L	DW-4SR	12/17/2015	yes	3.2000					
Chloride	mg/L	DW-4SR	02/16/2016	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	05/05/2016	yes	3.3000					
Chloride	mg/L	DW-4SR	08/04/2016	yes	4.8000					
Chloride	mg/L	DW-4SR	11/03/2016	yes	6.1000					
Chloride	mg/L	DW-4SR	02/13/2017	yes	5.9000					
Chloride	mg/L	DW-4SR	05/03/2017	yes	6.5000					
Chloride	mg/L	DW-4SR	08/16/2017	yes	3.2000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chloride	mg/L	DW-4SR	11/07/2017	yes	3.6000					
Chloride	mg/L	DW-4SR	02/09/2018	yes	4.3000					
Chloride	mg/L	DW-4SR	08/23/2018	yes	3.7000					
Chloride	mg/L	DW-4SR	02/08/2019	yes	3.7000					
Chloride	mg/L	DW-4SR	08/27/2019	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	02/12/2020	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	08/25/2020	yes	3.0000	ND				
Chloride	mg/L	DW-4SR	02/08/2021	yes	2.0700					
Chloride	mg/L	DW-4SR	08/20/2021	yes	4.7800					
Chloride	mg/L	DW-4SR	02/11/2022		3.5600			4.0342		
Chloride	mg/L	DW-4SR	08/16/2022		3.0000	ND		4.0342		
Chloride	mg/L	DW-4SR	02/10/2023		33.3000			32.3287		**
Chloride	mg/L	DW-4SR	08/18/2023		23.9000			22.9287		**
Chloride	mg/L	DW-4SR	02/09/2024		16.8000			15.8287		**
Chloride	mg/L	DW-4SR	08/21/2024		6.3000			5.3287		
Chloride	mg/L	DW-4SR	02/10/2025		8.1800			8.5031		
Chloride	mg/L	DW-4SR	08/22/2025		3.0000	ND		4.0342		
Chromium	ug/L	DW-1SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/15/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	11/02/2016	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/24/2020	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-1SR	02/10/2022		10.0000	ND				
Chromium	ug/L	DW-1SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-1SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-1SR	08/17/2023		10.0000	ND				
Chromium	ug/L	DW-1SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-1SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-1SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-1SR	08/22/2025		10.0000	ND				
Chromium	ug/L	DW-2SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/15/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	05/05/2016	yes	10.0000	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	ug/L	DW-2SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	11/02/2016	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	05/03/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/24/2020	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-2SR	02/10/2022		10.0000	ND				
Chromium	ug/L	DW-2SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-2SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-2SR	08/17/2023		10.0000	ND				
Chromium	ug/L	DW-2SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-2SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-2SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-2SR	08/22/2025		10.0000	ND				
Chromium	ug/L	DW-3SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/16/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	11/03/2016	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	05/03/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/25/2020	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-3SR	02/10/2022		10.0000	ND				
Chromium	ug/L	DW-3SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-3SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-3SR	08/17/2023		12.1000					**
Chromium	ug/L	DW-3SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-3SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-3SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-3SR	08/22/2025		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Chromium	ug/L	DW-4SR	08/28/2014	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/13/2015	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	12/17/2015	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/16/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	05/05/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/04/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	11/03/2016	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/13/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	05/03/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/16/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	11/07/2017	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/09/2018	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/23/2018	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/08/2019	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/27/2019	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/12/2020	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/25/2020	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/08/2021	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	08/20/2021	yes	10.0000	ND				
Chromium	ug/L	DW-4SR	02/11/2022		10.0000	ND				
Chromium	ug/L	DW-4SR	08/16/2022		10.0000	ND				
Chromium	ug/L	DW-4SR	02/10/2023		10.0000	ND				
Chromium	ug/L	DW-4SR	08/18/2023		10.0000	ND				
Chromium	ug/L	DW-4SR	02/09/2024		10.0000	ND				
Chromium	ug/L	DW-4SR	08/21/2024		10.0000	ND				
Chromium	ug/L	DW-4SR	02/10/2025		10.0000	ND				
Chromium	ug/L	DW-4SR	08/22/2025		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/15/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	11/02/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/24/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-1SR	02/10/2022		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-1SR	02/10/2023		10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt	ug/L	DW-1SR	08/17/2023		10.0000	ND				
Cobalt	ug/L	DW-1SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-1SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-1SR	08/22/2025		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/15/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	11/02/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	05/03/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/24/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-2SR	02/10/2022		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-2SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/17/2023		10.0000	ND				
Cobalt	ug/L	DW-2SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-2SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-2SR	08/22/2025		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/16/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	11/03/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	05/03/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/12/2020	yes	10.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Cobalt	ug/L	DW-3SR	08/25/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-3SR	02/10/2022		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-3SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/17/2023		10.0000	ND				
Cobalt	ug/L	DW-3SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-3SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-3SR	08/22/2025		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/28/2014	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/13/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	12/17/2015	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/16/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	05/05/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/04/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	11/03/2016	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/13/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	05/03/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/16/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	11/07/2017	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/09/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/23/2018	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/08/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/27/2019	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/12/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/25/2020	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/08/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	08/20/2021	yes	10.0000	ND				
Cobalt	ug/L	DW-4SR	02/11/2022		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/16/2022		10.0000	ND				
Cobalt	ug/L	DW-4SR	02/10/2023		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/18/2023		10.0000	ND				
Cobalt	ug/L	DW-4SR	02/09/2024		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/21/2024		10.0000	ND				
Cobalt	ug/L	DW-4SR	02/10/2025		10.0000	ND				
Cobalt	ug/L	DW-4SR	08/22/2025		10.0000	ND				
Fluoride	mg/L	DW-1SR	12/17/2015	yes	0.5000	ND	yes			*
Fluoride	mg/L	DW-1SR	02/15/2016	yes	2.5000	ND				
Fluoride	mg/L	DW-1SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	11/02/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	11/07/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/08/2019	yes	0.5000	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	
Fluoride	mg/L	DW-1SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/24/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-1SR	02/10/2022		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-1SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/17/2023		0.5000	ND				
Fluoride	mg/L	DW-1SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-1SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-1SR	08/22/2025		0.5000	ND				
Fluoride	mg/L	DW-2SR	12/17/2015	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/15/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	11/02/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	05/03/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	11/07/2017	yes	0.5300					
Fluoride	mg/L	DW-2SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/08/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/24/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-2SR	02/10/2022		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-2SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/17/2023		0.5000	ND				
Fluoride	mg/L	DW-2SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-2SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-2SR	08/22/2025		0.5000	ND				
Fluoride	mg/L	DW-3SR	12/17/2015	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/16/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	11/03/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	05/03/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	11/07/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/08/2019	yes	0.6700					

* - 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	
Fluoride	mg/L	DW-3SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/25/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-3SR	02/10/2022		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-3SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/17/2023		0.5000	ND				
Fluoride	mg/L	DW-3SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-3SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-3SR	08/22/2025		0.5000	ND				
Fluoride	mg/L	DW-4SR	12/17/2015	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/16/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	05/05/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/04/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	11/03/2016	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/13/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	05/03/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/16/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	11/07/2017	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/09/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/23/2018	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/08/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/27/2019	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/12/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/25/2020	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/08/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	08/20/2021	yes	0.5000	ND				
Fluoride	mg/L	DW-4SR	02/11/2022		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/16/2022		0.5000	ND				
Fluoride	mg/L	DW-4SR	02/10/2023		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/18/2023		0.5000	ND				
Fluoride	mg/L	DW-4SR	02/09/2024		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/21/2024		0.5000	ND				
Fluoride	mg/L	DW-4SR	02/10/2025		0.5000	ND				
Fluoride	mg/L	DW-4SR	08/22/2025		0.5000	ND				
Lead	ug/L	DW-1SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-1SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/15/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	11/02/2016	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-1SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/09/2018	yes	9.0000	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	
Lead	ug/L	DW-1SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/24/2020	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-1SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-1SR	02/10/2022		9.0000	ND				
Lead	ug/L	DW-1SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-1SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-1SR	08/17/2023		9.0000	ND				
Lead	ug/L	DW-1SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-1SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-1SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-1SR	08/22/2025		9.0000	ND				
Lead	ug/L	DW-2SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-2SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/15/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	11/02/2016	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	05/03/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/24/2020	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-2SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-2SR	02/10/2022		9.0000	ND				
Lead	ug/L	DW-2SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-2SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-2SR	08/17/2023		9.0000	ND				
Lead	ug/L	DW-2SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-2SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-2SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-2SR	08/22/2025		9.0000	ND				
Lead	ug/L	DW-3SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-3SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/16/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/04/2016	yes	9.0000	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	
Lead	ug/L	DW-3SR	11/03/2016	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	05/03/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/25/2020	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-3SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-3SR	02/10/2022		9.0000	ND				
Lead	ug/L	DW-3SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-3SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-3SR	08/17/2023		9.0000	ND				
Lead	ug/L	DW-3SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-3SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-3SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-3SR	08/22/2025		9.0000	ND				
Lead	ug/L	DW-4SR	08/28/2014	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/13/2015	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-4SR	12/17/2015	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/16/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	05/05/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/04/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	11/03/2016	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/13/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	05/03/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/16/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	11/07/2017	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/09/2018	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/23/2018	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/08/2019	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/27/2019	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/12/2020	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/25/2020	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/08/2021	yes	9.0000	ND				
Lead	ug/L	DW-4SR	08/20/2021	yes	9.0000	ND				
Lead	ug/L	DW-4SR	02/11/2022		9.0000	ND				
Lead	ug/L	DW-4SR	08/16/2022		9.0000	ND				
Lead	ug/L	DW-4SR	02/10/2023		9.0000	ND				
Lead	ug/L	DW-4SR	08/18/2023		9.0000	ND				
Lead	ug/L	DW-4SR	02/09/2024		9.0000	ND				
Lead	ug/L	DW-4SR	08/21/2024		9.0000	ND				
Lead	ug/L	DW-4SR	02/10/2025		9.0000	ND				
Lead	ug/L	DW-4SR	08/22/2025		9.0000	ND				
Lithium	ug/L	DW-1SR	12/17/2015	yes	10.0000	ND			20.0000	***

* - Outlier for that well and constituent.

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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	
Lithium	ug/L	DW-1SR	02/15/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	11/02/2016	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/24/2020	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-1SR	02/10/2022		20.0000	ND				
Lithium	ug/L	DW-1SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-1SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-1SR	08/17/2023		20.0000	ND				
Lithium	ug/L	DW-1SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-1SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-1SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-1SR	08/22/2025		20.0000	ND				
Lithium	ug/L	DW-2SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-2SR	02/15/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	11/02/2016	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	05/03/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/24/2020	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-2SR	02/10/2022		20.0000	ND				
Lithium	ug/L	DW-2SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-2SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-2SR	08/17/2023		20.0000	ND				
Lithium	ug/L	DW-2SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-2SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-2SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-2SR	08/22/2025		20.0000	ND				
Lithium	ug/L	DW-3SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-3SR	02/16/2016	yes	20.0000	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	
Lithium	ug/L	DW-3SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	11/03/2016	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	05/03/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/25/2020	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-3SR	02/10/2022		20.0000	ND				
Lithium	ug/L	DW-3SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-3SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-3SR	08/17/2023		20.0000	ND				
Lithium	ug/L	DW-3SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-3SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-3SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-3SR	08/22/2025		20.0000	ND				
Lithium	ug/L	DW-4SR	12/17/2015	yes	10.0000	ND			20.0000	***
Lithium	ug/L	DW-4SR	02/16/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	05/05/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/04/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	11/03/2016	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/13/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	05/03/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/16/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	11/07/2017	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/09/2018	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/23/2018	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/08/2019	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/27/2019	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/12/2020	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/25/2020	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/08/2021	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	08/20/2021	yes	20.0000	ND				
Lithium	ug/L	DW-4SR	02/11/2022		20.0000	ND				
Lithium	ug/L	DW-4SR	08/16/2022		20.0000	ND				
Lithium	ug/L	DW-4SR	02/10/2023		20.0000	ND				
Lithium	ug/L	DW-4SR	08/18/2023		20.0000	ND				
Lithium	ug/L	DW-4SR	02/09/2024		20.0000	ND				
Lithium	ug/L	DW-4SR	08/21/2024		20.0000	ND				
Lithium	ug/L	DW-4SR	02/10/2025		20.0000	ND				
Lithium	ug/L	DW-4SR	08/22/2025		20.0000	ND				
Mercury	ug/L	DW-1SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/13/2015	yes	0.2000	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	
Mercury	ug/L	DW-1SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/15/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	11/02/2016	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/24/2020	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-1SR	02/10/2022		0.2000	ND				
Mercury	ug/L	DW-1SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-1SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-1SR	08/17/2023		0.2000	ND				
Mercury	ug/L	DW-1SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-1SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-1SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-1SR	08/22/2025		0.2000	ND				
Mercury	ug/L	DW-2SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/15/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	11/02/2016	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	05/03/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/24/2020	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-2SR	02/10/2022		0.2000	ND				
Mercury	ug/L	DW-2SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-2SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-2SR	08/17/2023		0.2000	ND				
Mercury	ug/L	DW-2SR	02/09/2024		0.2000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Mercury	ug/L	DW-2SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-2SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-2SR	08/22/2025		0.2000	ND				
Mercury	ug/L	DW-3SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/16/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	11/03/2016	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	05/03/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/25/2020	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/08/2021	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-3SR	02/10/2022		0.2000	ND				
Mercury	ug/L	DW-3SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-3SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-3SR	08/17/2023		0.2000	ND				
Mercury	ug/L	DW-3SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-3SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-3SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-3SR	08/22/2025		0.2000	ND				
Mercury	ug/L	DW-4SR	08/28/2014	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/13/2015	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	12/17/2015	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/16/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	05/05/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/04/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	11/03/2016	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/13/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	05/03/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/16/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	11/07/2017	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/09/2018	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/23/2018	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/08/2019	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/27/2019	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/12/2020	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	08/25/2020	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/08/2021	yes	0.2000	ND				

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*** - ND value replaced with median RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Mercury	ug/L	DW-4SR	08/20/2021	yes	0.2000	ND				
Mercury	ug/L	DW-4SR	02/11/2022		0.2000	ND				
Mercury	ug/L	DW-4SR	08/16/2022		0.2000	ND				
Mercury	ug/L	DW-4SR	02/10/2023		0.2000	ND				
Mercury	ug/L	DW-4SR	08/18/2023		0.2000	ND				
Mercury	ug/L	DW-4SR	02/09/2024		0.2000	ND				
Mercury	ug/L	DW-4SR	08/21/2024		0.2000	ND				
Mercury	ug/L	DW-4SR	02/10/2025		0.2000	ND				
Mercury	ug/L	DW-4SR	08/22/2025		0.2000	ND				
Molybdenum	ug/L	DW-1SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/15/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	11/02/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/24/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/20/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/10/2022		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/17/2023		20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-1SR	02/10/2025		20.0000	ND				
Molybdenum	ug/L	DW-1SR	08/22/2025		20.0000	ND				
Molybdenum	ug/L	DW-2SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/15/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	11/02/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	05/03/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/24/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/20/2021	yes	20.0000	ND				

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Molybdenum	ug/L	DW-2SR	02/10/2022		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/17/2023		20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-2SR	02/10/2025		20.0000	ND				
Molybdenum	ug/L	DW-2SR	08/22/2025		20.0000	ND				
Molybdenum	ug/L	DW-3SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/16/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	11/03/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	05/03/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/25/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/20/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/10/2022		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/17/2023		20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-3SR	02/10/2025		20.0000	ND				
Molybdenum	ug/L	DW-3SR	08/22/2025		20.0000	ND				
Molybdenum	ug/L	DW-4SR	12/17/2015	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/16/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	05/05/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/04/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	11/03/2016	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/13/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	05/03/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/16/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	11/07/2017	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/09/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/23/2018	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/08/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/27/2019	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/12/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/25/2020	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/08/2021	yes	20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/20/2021	yes	20.0000	ND				

* - Outlier for that well and constituent.

** - Non-outlier detected sample Result and / or CUSUM value exceeds limit.

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**** - ND value replaced with manual RL.

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Molybdenum	ug/L	DW-4SR	02/11/2022		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/16/2022		20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/10/2023		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/18/2023		20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/09/2024		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/21/2024		20.0000	ND				
Molybdenum	ug/L	DW-4SR	02/10/2025		20.0000	ND				
Molybdenum	ug/L	DW-4SR	08/22/2025		20.0000	ND				
pH (Field)	S.U.	DW-1SR	08/28/2014	yes	4.9600					
pH (Field)	S.U.	DW-1SR	02/13/2015	yes	4.9600					
pH (Field)	S.U.	DW-1SR	08/17/2015	yes	4.8900					
pH (Field)	S.U.	DW-1SR	12/17/2015	yes	4.8100					
pH (Field)	S.U.	DW-1SR	02/15/2016	yes	4.8500					
pH (Field)	S.U.	DW-1SR	02/25/2016	yes	4.7900					
pH (Field)	S.U.	DW-1SR	05/05/2016	yes	4.5800					
pH (Field)	S.U.	DW-1SR	08/04/2016	yes	4.9300					
pH (Field)	S.U.	DW-1SR	11/02/2016	yes	5.0400					
pH (Field)	S.U.	DW-1SR	02/13/2017	yes	5.0800					
pH (Field)	S.U.	DW-1SR	08/16/2017	yes	4.5500					
pH (Field)	S.U.	DW-1SR	11/07/2017	yes	4.4100					
pH (Field)	S.U.	DW-1SR	02/09/2018	yes	4.7400					
pH (Field)	S.U.	DW-1SR	08/23/2018	yes	4.6300					
pH (Field)	S.U.	DW-1SR	02/08/2019	yes	4.7200					
pH (Field)	S.U.	DW-1SR	08/27/2019	yes	4.9700					
pH (Field)	S.U.	DW-1SR	02/12/2020	yes	4.9700					
pH (Field)	S.U.	DW-1SR	08/24/2020	yes	5.0500					
pH (Field)	S.U.	DW-1SR	02/08/2021	yes	5.3900					
pH (Field)	S.U.	DW-1SR	08/20/2021	yes	5.5300					
pH (Field)	S.U.	DW-1SR	02/10/2022		5.4800			5.2803		
pH (Field)	S.U.	DW-1SR	08/16/2022		5.4400			5.6281		
pH (Field)	S.U.	DW-1SR	02/10/2023		5.4500			5.9859		
pH (Field)	S.U.	DW-1SR	08/17/2023		5.8200			6.7137		**
pH (Field)	S.U.	DW-1SR	02/09/2024		5.5400			6.4337		**
pH (Field)	S.U.	DW-1SR	08/21/2024		5.6000			6.4937		**
pH (Field)	S.U.	DW-1SR	02/10/2025		5.6600			6.5537		**
pH (Field)	S.U.	DW-1SR	08/22/2025		5.5400			6.4337		**
pH (Field)	S.U.	DW-2SR	08/28/2014	yes	5.0800					
pH (Field)	S.U.	DW-2SR	02/13/2015	yes	4.6000					
pH (Field)	S.U.	DW-2SR	08/17/2015	yes	4.0400					
pH (Field)	S.U.	DW-2SR	12/17/2015	yes	3.6500					
pH (Field)	S.U.	DW-2SR	02/15/2016	yes	4.1100					
pH (Field)	S.U.	DW-2SR	02/25/2016	yes	4.0600					
pH (Field)	S.U.	DW-2SR	05/05/2016	yes	3.9100					
pH (Field)	S.U.	DW-2SR	08/04/2016	yes	4.2100					
pH (Field)	S.U.	DW-2SR	11/02/2016	yes	4.2300					
pH (Field)	S.U.	DW-2SR	02/13/2017	yes	4.3000					
pH (Field)	S.U.	DW-2SR	05/03/2017	yes	4.0500					
pH (Field)	S.U.	DW-2SR	08/16/2017	yes	4.1400					
pH (Field)	S.U.	DW-2SR	11/07/2017	yes	4.0700					
pH (Field)	S.U.	DW-2SR	02/09/2018	yes	4.0400					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
pH (Field)	S.U.	DW-2SR	03/29/2018	yes	3.9100					
pH (Field)	S.U.	DW-2SR	08/23/2018	yes	4.6500					
pH (Field)	S.U.	DW-2SR	02/08/2019	yes	4.1300					
pH (Field)	S.U.	DW-2SR	08/27/2019	yes	4.6100					
pH (Field)	S.U.	DW-2SR	02/12/2020	yes	4.4300					
pH (Field)	S.U.	DW-2SR	08/24/2020	yes	4.4400					
pH (Field)	S.U.	DW-2SR	02/08/2021	yes	5.2900					
pH (Field)	S.U.	DW-2SR	08/20/2021	yes	5.5800					
pH (Field)	S.U.	DW-2SR	02/10/2022		5.5000			5.1463		
pH (Field)	S.U.	DW-2SR	08/16/2022		5.6800			6.1303		
pH (Field)	S.U.	DW-2SR	02/10/2023		5.7000			7.1343		**
pH (Field)	S.U.	DW-2SR	08/17/2023		5.8100			7.2443		**
pH (Field)	S.U.	DW-2SR	02/09/2024		5.8300			7.2643		**
pH (Field)	S.U.	DW-2SR	08/21/2024		5.5300			6.9643		**
pH (Field)	S.U.	DW-2SR	02/10/2025		5.9800			7.4143		**
pH (Field)	S.U.	DW-2SR	08/22/2025		6.0100			7.4443		**
pH (Field)	S.U.	DW-3SR	08/28/2014	yes	4.5200					
pH (Field)	S.U.	DW-3SR	02/13/2015	yes	4.5200					
pH (Field)	S.U.	DW-3SR	08/17/2015	yes	4.4300					
pH (Field)	S.U.	DW-3SR	12/17/2015	yes	4.4500					
pH (Field)	S.U.	DW-3SR	02/16/2016	yes	4.4400					
pH (Field)	S.U.	DW-3SR	02/25/2016	yes	4.6100					
pH (Field)	S.U.	DW-3SR	05/05/2016	yes	4.3300					
pH (Field)	S.U.	DW-3SR	08/04/2016	yes	4.3400					
pH (Field)	S.U.	DW-3SR	11/03/2016	yes	4.5300					
pH (Field)	S.U.	DW-3SR	02/13/2017	yes	4.5400					
pH (Field)	S.U.	DW-3SR	05/03/2017	yes	4.4600					
pH (Field)	S.U.	DW-3SR	08/16/2017	yes	4.4400					
pH (Field)	S.U.	DW-3SR	11/07/2017	yes	4.4400					
pH (Field)	S.U.	DW-3SR	02/09/2018	yes	4.3200					
pH (Field)	S.U.	DW-3SR	03/29/2018	yes	4.3700					
pH (Field)	S.U.	DW-3SR	08/23/2018	yes	4.1500					
pH (Field)	S.U.	DW-3SR	02/08/2019	yes	5.6300					
pH (Field)	S.U.	DW-3SR	08/27/2019	yes	4.5800					
pH (Field)	S.U.	DW-3SR	02/12/2020	yes	4.3600					
pH (Field)	S.U.	DW-3SR	08/25/2020	yes	4.4100					
pH (Field)	S.U.	DW-3SR	02/08/2021	yes	4.6600					
pH (Field)	S.U.	DW-3SR	08/20/2021	yes	5.3300					
pH (Field)	S.U.	DW-3SR	02/10/2022		5.3200			5.0743		
pH (Field)	S.U.	DW-3SR	08/16/2022		5.2500			5.5395		
pH (Field)	S.U.	DW-3SR	02/10/2023		5.2500			6.0048		
pH (Field)	S.U.	DW-3SR	08/17/2023		5.3100			6.5300		**
pH (Field)	S.U.	DW-3SR	02/09/2024		5.1200			6.3400		**
pH (Field)	S.U.	DW-3SR	08/21/2024		5.3800			6.6000		**
pH (Field)	S.U.	DW-3SR	02/10/2025		5.3100			6.5300		**
pH (Field)	S.U.	DW-3SR	08/22/2025		5.6300			6.8500		**
pH (Field)	S.U.	DW-4SR	08/28/2014	yes	4.9200					
pH (Field)	S.U.	DW-4SR	02/13/2015	yes	5.1300					
pH (Field)	S.U.	DW-4SR	08/17/2015	yes	5.3000					
pH (Field)	S.U.	DW-4SR	12/17/2015	yes	4.7200					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
pH (Field)	S.U.	DW-4SR	02/16/2016	yes	5.0400					
pH (Field)	S.U.	DW-4SR	02/25/2016	yes	4.9800					
pH (Field)	S.U.	DW-4SR	05/05/2016	yes	4.9900					
pH (Field)	S.U.	DW-4SR	08/04/2016	yes	4.6100					
pH (Field)	S.U.	DW-4SR	11/03/2016	yes	4.9100					
pH (Field)	S.U.	DW-4SR	02/13/2017	yes	5.0400					
pH (Field)	S.U.	DW-4SR	05/03/2017	yes	4.9700					
pH (Field)	S.U.	DW-4SR	08/16/2017	yes	4.2000					
pH (Field)	S.U.	DW-4SR	11/07/2017	yes	4.6400					
pH (Field)	S.U.	DW-4SR	02/09/2018	yes	4.9100					
pH (Field)	S.U.	DW-4SR	08/23/2018	yes	4.5300					
pH (Field)	S.U.	DW-4SR	02/08/2019	yes	4.9400					
pH (Field)	S.U.	DW-4SR	08/27/2019	yes	4.9200					
pH (Field)	S.U.	DW-4SR	02/12/2020	yes	4.9200					
pH (Field)	S.U.	DW-4SR	08/25/2020	yes	4.9000					
pH (Field)	S.U.	DW-4SR	02/08/2021	yes	5.5300					
pH (Field)	S.U.	DW-4SR	08/20/2021	yes	5.4400					
pH (Field)	S.U.	DW-4SR	02/11/2022		5.4000			5.1779		
pH (Field)	S.U.	DW-4SR	08/16/2022		5.6500			5.6752		
pH (Field)	S.U.	DW-4SR	02/10/2023		5.5900			6.1126		
pH (Field)	S.U.	DW-4SR	08/18/2023		6.1200			7.0800		**
pH (Field)	S.U.	DW-4SR	02/09/2024		6.1700			7.1300		**
pH (Field)	S.U.	DW-4SR	08/21/2024		5.8100			6.7700		**
pH (Field)	S.U.	DW-4SR	02/10/2025		6.1400			7.1000		**
pH (Field)	S.U.	DW-4SR	08/22/2025		6.0400			7.0000		**
Residue, filterable (tds)	mg/L	DW-1SR	08/28/2014	yes	180.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/13/2015	yes	220.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/17/2015	yes	350.0000					
Residue, filterable (tds)	mg/L	DW-1SR	12/17/2015	yes	500.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/15/2016	yes	360.0000					
Residue, filterable (tds)	mg/L	DW-1SR	05/05/2016	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/04/2016	yes	240.0000					
Residue, filterable (tds)	mg/L	DW-1SR	11/02/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/13/2017	yes	170.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/16/2017	yes	150.0000					
Residue, filterable (tds)	mg/L	DW-1SR	11/07/2017	yes	150.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/09/2018	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/23/2018	yes	1400.0000		yes			*
Residue, filterable (tds)	mg/L	DW-1SR	02/08/2019	yes	1100.0000		yes			*
Residue, filterable (tds)	mg/L	DW-1SR	08/27/2019	yes	220.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/12/2020	yes	160.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/24/2020	yes	148.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/08/2021	yes	155.0000					
Residue, filterable (tds)	mg/L	DW-1SR	08/20/2021	yes	288.0000					
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2022		178.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/16/2022		147.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2023		176.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/17/2023		135.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	02/09/2024		135.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/21/2024		160.0000			228.2941		

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Residue, filterable (tds)	mg/L	DW-1SR	02/10/2025		96.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-1SR	08/22/2025		95.0000			228.2941		
Residue, filterable (tds)	mg/L	DW-2SR	08/28/2014	yes	290.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/13/2015	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/17/2015	yes	1200.0000					
Residue, filterable (tds)	mg/L	DW-2SR	12/17/2015	yes	870.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/15/2016	yes	690.0000					
Residue, filterable (tds)	mg/L	DW-2SR	05/05/2016	yes	360.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/04/2016	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-2SR	11/02/2016	yes	270.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/13/2017	yes	220.0000					
Residue, filterable (tds)	mg/L	DW-2SR	05/03/2017	yes	320.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/16/2017	yes	210.0000					
Residue, filterable (tds)	mg/L	DW-2SR	11/07/2017	yes	810.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/09/2018	yes	620.0000					
Residue, filterable (tds)	mg/L	DW-2SR	03/29/2018	yes	650.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/23/2018	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/08/2019	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/27/2019	yes	110.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/12/2020	yes	88.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/24/2020	yes	63.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/08/2021	yes	60.0000					
Residue, filterable (tds)	mg/L	DW-2SR	08/20/2021	yes	71.0000					
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2022		79.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/16/2022		63.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2023		94.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/17/2023		70.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	02/09/2024		56.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/21/2024		76.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	02/10/2025		154.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-2SR	08/22/2025		78.0000			376.2857		
Residue, filterable (tds)	mg/L	DW-3SR	08/28/2014	yes	540.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/13/2015	yes	420.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/17/2015	yes	350.0000					
Residue, filterable (tds)	mg/L	DW-3SR	12/17/2015	yes	310.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/16/2016	yes	370.0000					
Residue, filterable (tds)	mg/L	DW-3SR	05/05/2016	yes	280.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/04/2016	yes	260.0000					
Residue, filterable (tds)	mg/L	DW-3SR	11/03/2016	yes	460.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/13/2017	yes	430.0000					
Residue, filterable (tds)	mg/L	DW-3SR	05/03/2017	yes	150.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/16/2017	yes	160.0000					
Residue, filterable (tds)	mg/L	DW-3SR	11/07/2017	yes	950.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/09/2018	yes	730.0000					
Residue, filterable (tds)	mg/L	DW-3SR	03/29/2018	yes	600.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/23/2018	yes	1000.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/08/2019	yes	1100.0000		yes			*
Residue, filterable (tds)	mg/L	DW-3SR	08/27/2019	yes	1800.0000		yes			*
Residue, filterable (tds)	mg/L	DW-3SR	02/12/2020	yes	720.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/25/2020	yes	430.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Residue, filterable (tds)	mg/L	DW-3SR	02/08/2021	yes	264.0000					
Residue, filterable (tds)	mg/L	DW-3SR	08/20/2021	yes	346.0000					
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2022		118.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/16/2022		328.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2023		200.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/17/2023		90.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	02/09/2024		254.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/21/2024		783.0000			601.4989		
Residue, filterable (tds)	mg/L	DW-3SR	02/10/2025		271.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-3SR	08/22/2025		266.0000			461.5789		
Residue, filterable (tds)	mg/L	DW-4SR	08/28/2014	yes	720.0000		yes			*
Residue, filterable (tds)	mg/L	DW-4SR	02/13/2015	yes	340.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/17/2015	yes	200.0000					
Residue, filterable (tds)	mg/L	DW-4SR	12/17/2015	yes	160.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/16/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	05/05/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/04/2016	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	11/03/2016	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/13/2017	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-4SR	05/03/2017	yes	270.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/16/2017	yes	200.0000					
Residue, filterable (tds)	mg/L	DW-4SR	11/07/2017	yes	200.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/09/2018	yes	190.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/23/2018	yes	93.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/08/2019	yes	140.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/27/2019	yes	110.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/12/2020	yes	97.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/25/2020	yes	79.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/08/2021	yes	75.0000					
Residue, filterable (tds)	mg/L	DW-4SR	08/20/2021	yes	80.0000					
Residue, filterable (tds)	mg/L	DW-4SR	02/11/2022		132.0000			159.6842		
Residue, filterable (tds)	mg/L	DW-4SR	08/16/2022		153.0000			159.6842		
Residue, filterable (tds)	mg/L	DW-4SR	02/10/2023		264.0000			212.5394		
Residue, filterable (tds)	mg/L	DW-4SR	08/18/2023		353.0000			354.3946		
Residue, filterable (tds)	mg/L	DW-4SR	02/09/2024		236.0000			379.2499		
Residue, filterable (tds)	mg/L	DW-4SR	08/21/2024		153.0000			321.1051		
Residue, filterable (tds)	mg/L	DW-4SR	02/10/2025		391.0000			500.9603		
Residue, filterable (tds)	mg/L	DW-4SR	08/22/2025		200.0000			489.8155		
Selenium	ug/L	DW-1SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	02/15/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	11/02/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-1SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/09/2018	yes	20.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Selenium	ug/L	DW-1SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/24/2020	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-1SR	02/10/2022		20.0000	ND				
Selenium	ug/L	DW-1SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-1SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-1SR	08/17/2023		20.0000	ND				
Selenium	ug/L	DW-1SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-1SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-1SR	02/10/2025		20.0000	ND				
Selenium	ug/L	DW-1SR	08/22/2025		20.0000	ND				
Selenium	ug/L	DW-2SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	02/15/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	11/02/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-2SR	05/03/2017	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/24/2020	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-2SR	02/10/2022		20.0000	ND				
Selenium	ug/L	DW-2SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-2SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-2SR	08/17/2023		20.0000	ND				
Selenium	ug/L	DW-2SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-2SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-2SR	02/10/2025		20.0000	ND				
Selenium	ug/L	DW-2SR	08/22/2025		20.0000	ND				
Selenium	ug/L	DW-3SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	02/16/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	08/04/2016	yes	15.0000	ND			20.0000	***

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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	
Selenium	ug/L	DW-3SR	11/03/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-3SR	05/03/2017	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/25/2020	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-3SR	02/10/2022		20.0000	ND				
Selenium	ug/L	DW-3SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-3SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-3SR	08/17/2023		20.0000	ND				
Selenium	ug/L	DW-3SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-3SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-3SR	02/10/2025		20.0000	ND				
Selenium	ug/L	DW-3SR	08/22/2025		20.0000	ND				
Selenium	ug/L	DW-4SR	08/28/2014	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	02/13/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	08/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	12/17/2015	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	02/16/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	05/05/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	08/04/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	11/03/2016	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	02/13/2017	yes	15.0000	ND			20.0000	***
Selenium	ug/L	DW-4SR	05/03/2017	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/16/2017	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	11/07/2017	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/09/2018	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/23/2018	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/08/2019	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/27/2019	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/12/2020	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/25/2020	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/08/2021	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	08/20/2021	yes	20.0000	ND				
Selenium	ug/L	DW-4SR	02/11/2022		20.0000	ND				
Selenium	ug/L	DW-4SR	08/16/2022		20.0000	ND				
Selenium	ug/L	DW-4SR	02/10/2023		20.0000	ND				
Selenium	ug/L	DW-4SR	08/18/2023		20.0000	ND				
Selenium	ug/L	DW-4SR	02/09/2024		20.0000	ND				
Selenium	ug/L	DW-4SR	08/21/2024		20.0000	ND				
Selenium	ug/L	DW-4SR	02/10/2025		20.0000	ND				
Selenium	ug/L	DW-4SR	08/22/2025		20.0000	ND				
Sulfate	mg/L	DW-1SR	12/17/2015	yes	240.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Sulfate	mg/L	DW-1SR	02/15/2016	yes	160.0000					
Sulfate	mg/L	DW-1SR	05/05/2016	yes	140.0000					
Sulfate	mg/L	DW-1SR	08/04/2016	yes	76.0000					
Sulfate	mg/L	DW-1SR	11/02/2016	yes	19.0000					
Sulfate	mg/L	DW-1SR	02/13/2017	yes	25.0000					
Sulfate	mg/L	DW-1SR	08/16/2017	yes	11.0000					
Sulfate	mg/L	DW-1SR	11/07/2017	yes	10.0000					
Sulfate	mg/L	DW-1SR	02/09/2018	yes	7.6000					
Sulfate	mg/L	DW-1SR	08/23/2018	yes	930.0000		yes			*
Sulfate	mg/L	DW-1SR	02/08/2019	yes	700.0000		yes			*
Sulfate	mg/L	DW-1SR	08/27/2019	yes	84.0000					
Sulfate	mg/L	DW-1SR	02/12/2020	yes	52.0000					
Sulfate	mg/L	DW-1SR	08/24/2020	yes	37.2000					
Sulfate	mg/L	DW-1SR	02/08/2021	yes	42.6000					
Sulfate	mg/L	DW-1SR	08/20/2021	yes	134.0000					
Sulfate	mg/L	DW-1SR	02/10/2022		56.5000			74.1714		
Sulfate	mg/L	DW-1SR	08/16/2022		39.4000			74.1714		
Sulfate	mg/L	DW-1SR	02/10/2023		56.9000			74.1714		
Sulfate	mg/L	DW-1SR	08/17/2023		22.5000			74.1714		
Sulfate	mg/L	DW-1SR	02/09/2024		24.0000			74.1714		
Sulfate	mg/L	DW-1SR	08/21/2024		28.8000			74.1714		
Sulfate	mg/L	DW-1SR	02/10/2025		16.6000			74.1714		
Sulfate	mg/L	DW-1SR	08/22/2025		9.8600			74.1714		
Sulfate	mg/L	DW-2SR	12/17/2015	yes	510.0000					
Sulfate	mg/L	DW-2SR	02/15/2016	yes	370.0000					
Sulfate	mg/L	DW-2SR	05/05/2016	yes	160.0000					
Sulfate	mg/L	DW-2SR	08/04/2016	yes	150.0000					
Sulfate	mg/L	DW-2SR	11/02/2016	yes	140.0000					
Sulfate	mg/L	DW-2SR	02/13/2017	yes	120.0000					
Sulfate	mg/L	DW-2SR	05/03/2017	yes	160.0000					
Sulfate	mg/L	DW-2SR	08/16/2017	yes	43.0000					
Sulfate	mg/L	DW-2SR	11/07/2017	yes	160.0000					
Sulfate	mg/L	DW-2SR	02/09/2018	yes	170.0000					
Sulfate	mg/L	DW-2SR	08/23/2018	yes	88.0000					
Sulfate	mg/L	DW-2SR	02/08/2019	yes	170.0000					
Sulfate	mg/L	DW-2SR	08/27/2019	yes	15.0000					
Sulfate	mg/L	DW-2SR	02/12/2020	yes	13.0000					
Sulfate	mg/L	DW-2SR	08/24/2020	yes	5.8000					
Sulfate	mg/L	DW-2SR	02/08/2021	yes	6.4200					
Sulfate	mg/L	DW-2SR	08/20/2021	yes	6.2000					
Sulfate	mg/L	DW-2SR	02/10/2022		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	08/16/2022		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	02/10/2023		9.6400			134.5541		
Sulfate	mg/L	DW-2SR	08/17/2023		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	02/09/2024		6.3900			134.5541		
Sulfate	mg/L	DW-2SR	08/21/2024		5.0000	ND		134.5541		
Sulfate	mg/L	DW-2SR	02/10/2025		41.3000			134.5541		
Sulfate	mg/L	DW-2SR	08/22/2025		5.0000	ND		134.5541		
Sulfate	mg/L	DW-3SR	12/17/2015	yes	180.0000					
Sulfate	mg/L	DW-3SR	02/16/2016	yes	210.0000					

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Sulfate	mg/L	DW-3SR	05/05/2016	yes	71.0000					
Sulfate	mg/L	DW-3SR	08/04/2016	yes	140.0000					
Sulfate	mg/L	DW-3SR	11/03/2016	yes	270.0000					
Sulfate	mg/L	DW-3SR	02/13/2017	yes	260.0000					
Sulfate	mg/L	DW-3SR	05/03/2017	yes	8.6000		yes			*
Sulfate	mg/L	DW-3SR	08/16/2017	yes	37.0000		yes			*
Sulfate	mg/L	DW-3SR	11/07/2017	yes	240.0000					
Sulfate	mg/L	DW-3SR	02/09/2018	yes	180.0000					
Sulfate	mg/L	DW-3SR	08/23/2018	yes	720.0000					
Sulfate	mg/L	DW-3SR	02/08/2019	yes	1200.0000		yes			*
Sulfate	mg/L	DW-3SR	08/27/2019	yes	1200.0000		yes			*
Sulfate	mg/L	DW-3SR	02/12/2020	yes	520.0000					
Sulfate	mg/L	DW-3SR	08/25/2020	yes	248.0000					
Sulfate	mg/L	DW-3SR	02/08/2021	yes	150.0000					
Sulfate	mg/L	DW-3SR	08/20/2021	yes	176.0000					
Sulfate	mg/L	DW-3SR	02/10/2022		41.5000			258.8462		
Sulfate	mg/L	DW-3SR	08/16/2022		148.0000			258.8462		
Sulfate	mg/L	DW-3SR	02/10/2023		95.4000			258.8462		
Sulfate	mg/L	DW-3SR	08/17/2023		36.9000			258.8462		
Sulfate	mg/L	DW-3SR	02/09/2024		149.0000			258.8462		
Sulfate	mg/L	DW-3SR	08/21/2024		496.0000			365.3041		
Sulfate	mg/L	DW-3SR	02/10/2025		262.0000			258.8462		
Sulfate	mg/L	DW-3SR	08/22/2025		106.0000			258.8462		
Sulfate	mg/L	DW-4SR	12/17/2015	yes	64.0000					
Sulfate	mg/L	DW-4SR	02/16/2016	yes	54.0000					
Sulfate	mg/L	DW-4SR	05/05/2016	yes	32.0000					
Sulfate	mg/L	DW-4SR	08/04/2016	yes	57.0000					
Sulfate	mg/L	DW-4SR	11/03/2016	yes	84.0000					
Sulfate	mg/L	DW-4SR	02/13/2017	yes	61.0000					
Sulfate	mg/L	DW-4SR	05/03/2017	yes	120.0000					
Sulfate	mg/L	DW-4SR	08/16/2017	yes	94.0000					
Sulfate	mg/L	DW-4SR	11/07/2017	yes	87.0000					
Sulfate	mg/L	DW-4SR	02/09/2018	yes	70.0000					
Sulfate	mg/L	DW-4SR	08/23/2018	yes	47.0000					
Sulfate	mg/L	DW-4SR	02/08/2019	yes	65.0000					
Sulfate	mg/L	DW-4SR	08/27/2019	yes	25.0000					
Sulfate	mg/L	DW-4SR	02/12/2020	yes	17.0000					
Sulfate	mg/L	DW-4SR	08/25/2020	yes	16.7000					
Sulfate	mg/L	DW-4SR	02/08/2021	yes	5.7000					
Sulfate	mg/L	DW-4SR	08/20/2021	yes	40.0000					
Sulfate	mg/L	DW-4SR	02/11/2022		8.9800			55.2588		
Sulfate	mg/L	DW-4SR	08/16/2022		7.6400			55.2588		
Sulfate	mg/L	DW-4SR	02/10/2023		27.8000			55.2588		
Sulfate	mg/L	DW-4SR	08/18/2023		40.8000			55.2588		
Sulfate	mg/L	DW-4SR	02/09/2024		59.2000			55.2588		
Sulfate	mg/L	DW-4SR	08/21/2024		14.8000			55.2588		
Sulfate	mg/L	DW-4SR	02/10/2025		90.5000			67.4472		
Sulfate	mg/L	DW-4SR	08/22/2025		7.1700			55.2588		
Thallium	ug/L	DW-1SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/13/2015	yes	1.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium	ug/L	DW-1SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/15/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	11/02/2016	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/24/2020	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-1SR	02/10/2022		1.0000	ND				
Thallium	ug/L	DW-1SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-1SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-1SR	08/17/2023		1.0000	ND				
Thallium	ug/L	DW-1SR	02/09/2024		1.0000	ND				
Thallium	ug/L	DW-1SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-1SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-1SR	08/22/2025		1.0000	ND				
Thallium	ug/L	DW-2SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/13/2015	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/15/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	11/02/2016	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	05/03/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/24/2020	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-2SR	02/10/2022		1.0000	ND				
Thallium	ug/L	DW-2SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-2SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-2SR	08/17/2023		1.0000	ND				
Thallium	ug/L	DW-2SR	02/09/2024		1.0000	ND				

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Table 2

Analytical Data and CUSUM Summary

Constituent	Units	Well	Date	Background	Result		Outlier	CUSUM	Adjusted	
Thallium	ug/L	DW-2SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-2SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-2SR	08/22/2025		1.0000	ND				
Thallium	ug/L	DW-3SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/13/2015	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/16/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	11/03/2016	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	05/03/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/25/2020	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/08/2021	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-3SR	02/10/2022		1.0000	ND				
Thallium	ug/L	DW-3SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-3SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-3SR	08/17/2023		1.0000	ND				
Thallium	ug/L	DW-3SR	02/09/2024		1.0000	ND				
Thallium	ug/L	DW-3SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-3SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-3SR	08/22/2025		1.0000	ND				
Thallium	ug/L	DW-4SR	08/28/2014	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/13/2015	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	12/17/2015	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/16/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	05/05/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/04/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	11/03/2016	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/13/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	05/03/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/16/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	11/07/2017	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/09/2018	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/23/2018	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/08/2019	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/27/2019	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/12/2020	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	08/25/2020	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/08/2021	yes	1.0000	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	
Thallium	ug/L	DW-4SR	08/20/2021	yes	1.0000	ND				
Thallium	ug/L	DW-4SR	02/11/2022		1.0000	ND				
Thallium	ug/L	DW-4SR	08/16/2022		1.0000	ND				
Thallium	ug/L	DW-4SR	02/10/2023		1.0000	ND				
Thallium	ug/L	DW-4SR	08/18/2023		1.0000	ND				
Thallium	ug/L	DW-4SR	02/09/2024		1.0000	ND				
Thallium	ug/L	DW-4SR	08/21/2024		1.0000	ND				
Thallium	ug/L	DW-4SR	02/10/2025		1.0000	ND				
Thallium	ug/L	DW-4SR	08/22/2025		1.0000	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 4

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

Constituent	Units	Well	Date	Result	ND Qualifier	Date Range	N	Critical Value
Barium	ug/L	DW-4SR	08/28/2014	100.0000		08/28/2014-08/20/2021	20	0.5381
Boron	ug/L	DW-1SR	08/23/2018	610.0000		12/17/2015-08/20/2021	16	0.6177
Boron	ug/L	DW-1SR	02/08/2019	660.0000		12/17/2015-08/20/2021	16	0.6177
Chloride	mg/L	DW-4SR	08/28/2014	29.0000		08/28/2014-08/20/2021	20	0.5381
Fluoride	mg/L	DW-1SR	02/15/2016	2.5000	< 2.5000	12/17/2015-08/20/2021	16	0.5973
Sulfate	mg/L	DW-3SR	05/03/2017	8.6000		12/17/2015-08/20/2021	15	0.6403
Sulfate	mg/L	DW-3SR	08/16/2017	37.0000		12/17/2015-08/20/2021	15	0.6403

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.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Antimony (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 2.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Arsenic (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 337.0 / 19$ $= 17.737$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((10257.0 - 113569.0/19) / (19-1))^{1/2}$ $= 15.419$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 17.737 + 5.0 * 15.419$ $= 94.834$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = 0.0$	Sen's estimator of trend.
6	$\text{var}(S) = 548.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 548.333^{1/2}) / 2$ $= 58.267$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -1.616$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 444.0 / 20$ $= 22.2$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((15390.0 - 197136.0/20) / (20-1) \right)^{1/2}$ $= 17.065$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 22.2 + 5.0 * 17.065$ $= 107.526$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 20 * (20-1) / 2$ $= 190$	Number of sample pairs during trend detection period.
5	$S = -1.702$	Sen's estimator of trend.
6	$\text{var}(S) = 903.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (190 - 2.326 * 903.667^{1/2}) / 2$ $= 60.039$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -7.752$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 561.0 / 20$ $= 28.05$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((19707.0 - 314721.0/20) / (20-1))^{1/2}$ $= 14.457$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 28.05 + 5.0 * 14.457$ $= 100.334$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 20 * (20-1) / 2$ $= 190$	Number of sample pairs during trend detection period.
5	$S = -1.999$	Sen's estimator of trend.
6	$\text{var}(S) = 940.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (190 - 2.326 * 940.667^{1/2}) / 2$ $= 59.33$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -5.996$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Barium (ug/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 286.0 / 19$ $= 15.053$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((4926.0 - 81796.0/19) / (19-1) \right)^{1/2}$ $= 5.873$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 15.053 + 5.0 * 5.873$ $= 44.42$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -0.793$	Sen's estimator of trend.
6	$\text{var}(S) = 778.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 778.0^{1/2}) / 2$ $= 53.061$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -2.749$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 1.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Beryllium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 280.0	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 2650.0 / 17$ $= 155.882$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((501300.0 - 7.02 \times 10^6 / 17) / (17-1))^{1/2}$ $= 74.251$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 155.882 + 5.0 * 74.251$ $= 527.138$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -26.142$	Sen's estimator of trend.
6	$\text{var}(S) = 521.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 521.0^{1/2}) / 2$ $= 41.454$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -48.247$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 2410.0 / 17$ $= 141.765$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((377300.0 - 5.81 \times 10^6 / 17) / (17-1))^{1/2}$ $= 47.201$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 141.765 + 5.0 * 47.201$ $= 377.77$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -10.633$	Sen's estimator of trend.
6	$\text{var}(S) = 558.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 558.0^{1/2}) / 2$ $= 40.528$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -28.135$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Boron (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \max(X)$ $= 110.0$	Compute nonparametric prediction limit as largest background measurement.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-1SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cadmium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 5.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 358.7 / 14$ $= 25.621$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((12911.85 - 128665.69/14) / (14-1))^{1/2}$ $= 16.919$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 25.621 + 5.0 * 16.919$ $= 110.218$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 14 * (14-1) / 2$ $= 91$	Number of sample pairs during trend detection period.
5	$S = -1.18$	Sen's estimator of trend.
6	$\text{var}(S) = 332.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (91 - 2.326 * 332.667^{1/2}) / 2$ $= 24.288$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -13.344$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 718.53 / 17$ $= 42.266$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((50662.573 - 516285.361/17) / (17-1))^{1/2}$ $= 35.613$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 42.266 + 5.0 * 35.613$ $= 220.333$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -7.174$	Sen's estimator of trend.
6	$\text{var}(S) = 589.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 589.333^{1/2}) / 2$ $= 39.767$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -21.182$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 1630.6 / 16$ $= 101.913$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((262073.0 - 2.66 \times 10^6 / 16) / (16-1))^{1/2}$ $= 79.956$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 101.913 + 5.0 * 79.956$ $= 501.693$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 16 * (16-1) / 2$ $= 120$	Number of sample pairs during trend detection period.
5	$S = 12.847$	Sen's estimator of trend.
6	$\text{var}(S) = 493.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (120 - 2.326 * 493.333^{1/2}) / 2$ $= 34.168$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -5.798$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Calcium (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 301.69 / 17$ $= 17.746$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((6342.496 - 91016.856 / 17) / (17-1))^{1/2}$ $= 7.86$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 17.746 + 5.0 * 7.86$ $= 57.048$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -3.11$	Sen's estimator of trend.
6	$\text{var}(S) = 586.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 586.333^{1/2}) / 2$ $= 39.839$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -5.388$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 183.04 / 19$ $= 9.634$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((3936.677 - 33503.642 / 19) / (19-1))^{1/2}$ $= 10.988$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 9.634 + 5.0 * 10.988$ $= 64.575$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -0.731$	Sen's estimator of trend.
6	$\text{var}(S) = 798.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 798.333^{1/2}) / 2$ $= 52.64$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -3.919$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 278.84 / 18$ $= 15.491$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((10905.278 - 77751.746/18) / (18-1))^{1/2}$ $= 19.682$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 15.491 + 5.0 * 19.682$ $= 113.903$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 18 * (18-1) / 2$ $= 153$	Number of sample pairs during trend detection period.
5	$S = -1.707$	Sen's estimator of trend.
6	$\text{var}(S) = 668.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (153 - 2.326 * 668.667^{1/2}) / 2$ $= 46.426$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -5.783$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 159.56 / 18$ $= 8.864$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((2289.446 - 25459.394 / 18) / (18-1))^{1/2}$ $= 7.174$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 8.864 + 5.0 * 7.174$ $= 44.737$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 18 * (18-1) / 2$ $= 153$	Number of sample pairs during trend detection period.
5	$S = -0.802$	Sen's estimator of trend.
6	$\text{var}(S) = 678.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (153 - 2.326 * 678.333^{1/2}) / 2$ $= 46.21$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -2.861$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chloride (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 76.65 / 19$ $= 4.034$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((339.413 - 5875.223/19) / (19-1) \right)^{1/2}$ $= 1.295$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 4.034 + 5.0 * 1.295$ $= 10.51$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -0.1$	Sen's estimator of trend.
6	$\text{var}(S) = 805.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 805.333^{1/2}) / 2$ $= 52.496$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -0.655$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 10.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Chromium (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Cobalt (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 10.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.5	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 0.53	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = max(X) = 0.67	Compute nonparametric prediction limit as largest background measurement.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Fluoride (mg/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.5	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lead (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 9.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Lithium (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Mercury (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 0.2	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Molybdenum (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 97.85 / 20$ $= 4.893$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((480.078 - 9574.623/20) / (20-1))^{1/2}$ $= 0.266$	Compute background sd.
3	$SCL = \bar{X} \pm F * S$ $= 4.893 \pm 5.0 * 0.266$ $= 3.561, 6.224$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 20 * (20-1) / 2$ $= 190$	Number of sample pairs during trend detection period.
5	$S = 0.038$	Sen's estimator of trend.
6	$\text{var}(S) = 948.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (190 - 2.326 * 948.0^{1/2}) / 2$ $= 59.192$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -0.059$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
pH (Field) (S.U.) at DW-2SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 95.53 / 22$ $= 4.342$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((419.489 - 9125.981/22) / (22-1))^{1/2}$ $= 0.472$	Compute background sd.
3	$SCL = \bar{X} \pm F * S$ $= 4.342 \pm 5.0 * 0.472$ $= 1.984, 6.7$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 22 * (22-1) / 2$ $= 231$	Number of sample pairs during trend detection period.
5	$S = 0.09$	Sen's estimator of trend.
6	$\text{var}(S) = 1255.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (231 - 2.326 * 1255.667^{1/2}) / 2$ $= 74.289$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -0.033$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 99.86 / 22$ $= 4.539$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((455.527 - 9972.02/22) / (22-1))^{1/2}$ $= 0.328$	Compute background sd.
3	$\text{SCL} = \bar{X} \pm F * S$ $= 4.539 \pm 5.0 * 0.328$ $= 2.901, 6.177$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 22 * (22-1) / 2$ $= 231$	Number of sample pairs during trend detection period.
5	$S = 0.005$	Sen's estimator of trend.
6	$\text{var}(S) = 1253.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (231 - 2.326 * 1253.0^{1/2}) / 2$ $= 74.332$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -0.044$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**pH (Field) (S.U.) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 103.54 / 21$ $= 4.93$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((512.256 - 10720.532/21) / (21-1))^{1/2}$ $= 0.296$	Compute background sd.
3	$SCL = \bar{X} \pm F * S$ $= 4.93 \pm 5.0 * 0.296$ $= 3.45, 6.411$	Compute combined Shewhart-CUSUM normal control interval.
4	$N' = N * (N-1) / 2$ $= 21 * (21-1) / 2$ $= 210$	Number of sample pairs during trend detection period.
5	$S = -0.011$	Sen's estimator of trend.
6	$\text{var}(S) = 1091.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (210 - 2.326 * 1091.0^{1/2}) / 2$ $= 66.586$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -0.073$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-1SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 3881.0 / 17$ $= 228.294$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((1.05 \times 10^6 - 1.51 \times 10^7 / 17) / (17-1) \right)^{1/2}$ $= 102.03$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 228.294 + 5.0 * 102.03$ $= 738.447$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -15.703$	Sen's estimator of trend.
6	$\text{var}(S) = 586.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 586.333^{1/2}) / 2$ $= 39.839$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -51.021$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-2SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 7902.0 / 21$ $= 376.286$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((4.91 \times 10^6 - 6.24 \times 10^7 / 21) / (21-1) \right)^{1/2}$ $= 311.524$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 376.286 + 5.0 * 311.524$ $= 1933.906$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 21 * (21-1) / 2$ $= 210$	Number of sample pairs during trend detection period.
5	$S = -56.164$	Sen's estimator of trend.
6	$\text{var}(S) = 1094.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (210 - 2.326 * 1094.667^{1/2}) / 2$ $= 66.521$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -171.359$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits
Residue, filterable (tds) (mg/L) at DW-3SR
Normal Control Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 8770.0 / 19$ $= 461.579$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((5.10 \times 10^6 - 7.69 \times 10^7 / 19) / (19-1))^{1/2}$ $= 242.001$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 461.579 + 5.0 * 242.001$ $= 1671.586$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = 13.269$	Sen's estimator of trend.
6	$\text{var}(S) = 816.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 816.0^{1/2}) / 2$ $= 52.278$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -92.376$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Residue, filterable (tds) (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 3034.0 / 19$ $= 159.684$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((569224.0 - 9.21 \times 10^6 / 19) / (19-1))^{1/2}$ $= 68.614$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 159.684 + 5.0 * 68.614$ $= 502.755$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 19 * (19-1) / 2$ $= 171$	Number of sample pairs during trend detection period.
5	$S = -22.347$	Sen's estimator of trend.
6	$\text{var}(S) = 801.0$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (171 - 2.326 * 801.0^{1/2}) / 2$ $= 52.585$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -39.682$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 20.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-2SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-3SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Selenium (ug/L) at DW-4SR**
Nonparametric Prediction Limit

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 20.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-1SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 1038.4 / 14$ $= 74.171$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((140755.36 - 1.08 \times 10^6 / 14) / (14-1))^{1/2}$ $= 70.02$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 74.171 + 5.0 * 70.02$ $= 424.27$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 14 * (14-1) / 2$ $= 91$	Number of sample pairs during trend detection period.
5	$S = -16.916$	Sen's estimator of trend.
6	$\text{var}(S) = 333.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (91 - 2.326 * 333.667^{1/2}) / 2$ $= 24.256$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -67.582$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-2SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 2287.42 / 17$ $= 134.554$	Compute background mean.
2	$S = \left((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1) \right)^{1/2}$ $= \left((598200.296 - 5.23 \times 10^6 / 17) / (17-1) \right)^{1/2}$ $= 134.726$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 134.554 + 5.0 * 134.726$ $= 808.185$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -40.658$	Sen's estimator of trend.
6	$\text{var}(S) = 584.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 584.667^{1/2}) / 2$ $= 39.879$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -80.693$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-3SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 3365.0 / 13$ $= 258.846$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2/N) / (N-1))^{1/2}$ $= ((1.24 \times 10^6 - 1.13 \times 10^7 / 13) / (13-1))^{1/2}$ $= 174.261$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 258.846 + 5.0 * 174.261$ $= 1130.152$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 13 * (13-1) / 2$ $= 78$	Number of sample pairs during trend detection period.
5	$S = 11.453$	Sen's estimator of trend.
6	$\text{var}(S) = 267.667$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (78 - 2.326 * 267.667^{1/2}) / 2$ $= 19.973$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$\text{LCL}(S) = -27.665$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Sulfate (mg/L) at DW-4SR****Normal Control Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$\bar{X} = \text{sum}[X] / N$ $= 939.4 / 17$ $= 55.259$	Compute background mean.
2	$S = ((\text{sum}[X^2] - \text{sum}[X]^2 / N) / (N-1))^{1/2}$ $= ((67026.38 - 882472.36 / 17) / (17-1))^{1/2}$ $= 30.737$	Compute background sd.
3	$SCL = \bar{X} + F * S$ $= 55.259 + 5.0 * 30.737$ $= 208.944$	Compute combined Shewhart-CUSUM normal control limit.
4	$N' = N * (N-1) / 2$ $= 17 * (17-1) / 2$ $= 136$	Number of sample pairs during trend detection period.
5	$S = -9.794$	Sen's estimator of trend.
6	$\text{var}(S) = 589.333$	Variance estimate for slope.
7	$M_1(S) = (N' - Z_{.99} * \text{var}(S)^{1/2}) / 2$ $= (136 - 2.326 * 589.333^{1/2}) / 2$ $= 39.767$	Ordinal position for one-sided lower confidence limit for slope. The LCL is the M_1^{th} largest slope estimate. When M_1 is not an integer, interpolation is used.
8	$LCL(S) = -20.47$	One-sided lower confidence limit for slope.

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-1SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	$PL = \text{median}(X)$ $= 1.0$	Compute nonparametric prediction limit as median reporting limit in background.
2	$\text{Conf} = 0.99$	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-2SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

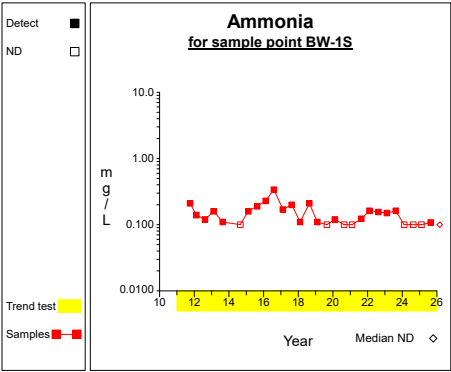
Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-3SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

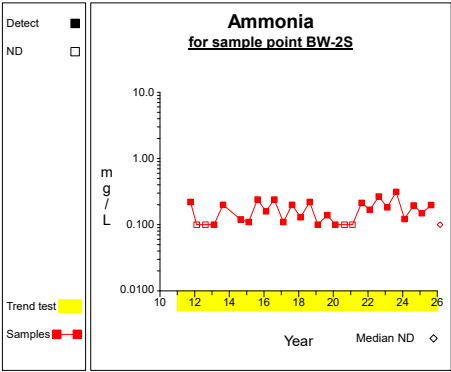
Worksheet 2 - Intra-Well Control Charts / Prediction Limits**Thallium (ug/L) at DW-4SR****Nonparametric Prediction Limit**

<u>Step</u>	<u>Equation</u>	<u>Description</u>
1	PL = median(X) = 1.0	Compute nonparametric prediction limit as median reporting limit in background.
2	Conf = 0.99	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

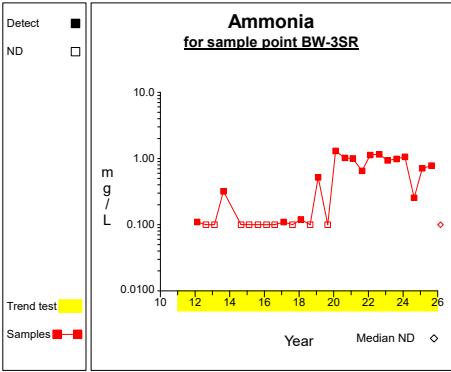
Time Series



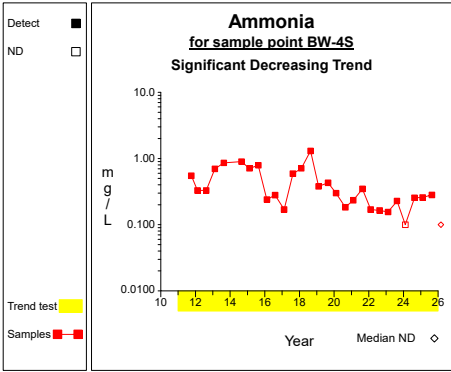
Graph 1



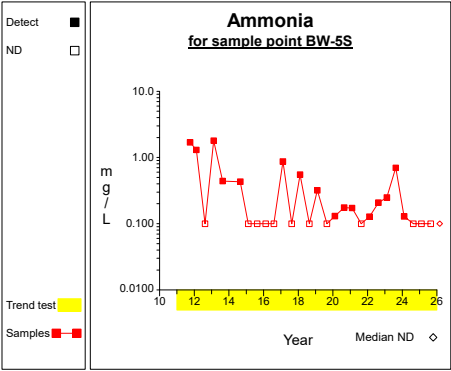
Graph 2



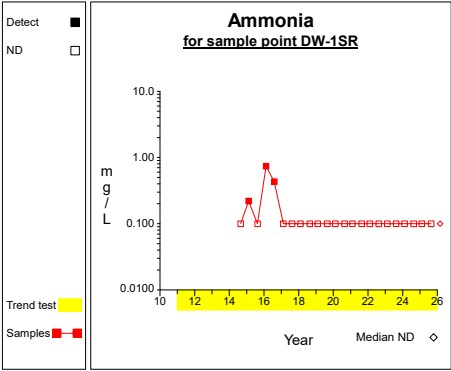
Graph 3



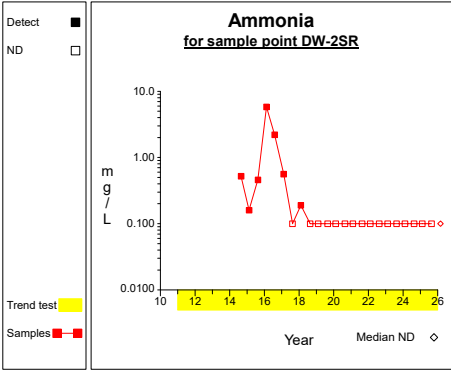
Graph 4



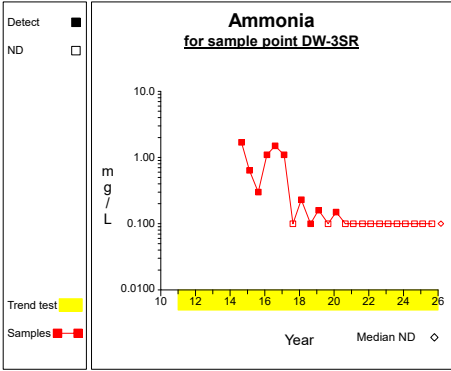
Graph 5



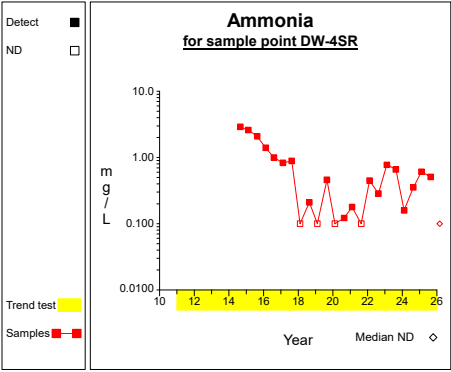
Graph 6



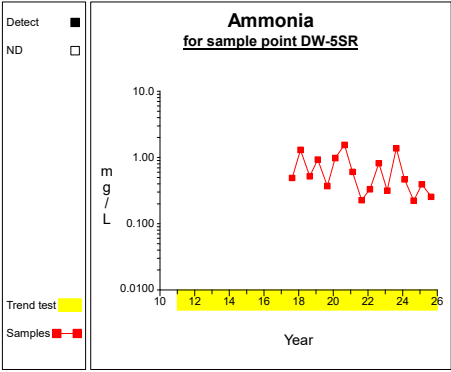
Graph 7



Graph 8

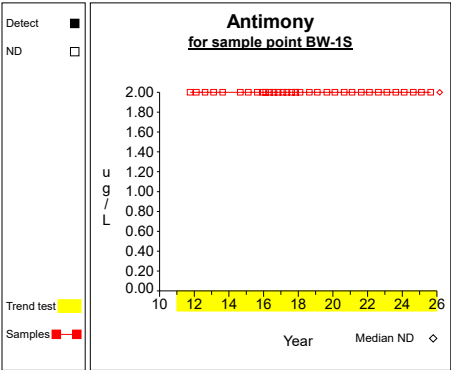


Graph 9

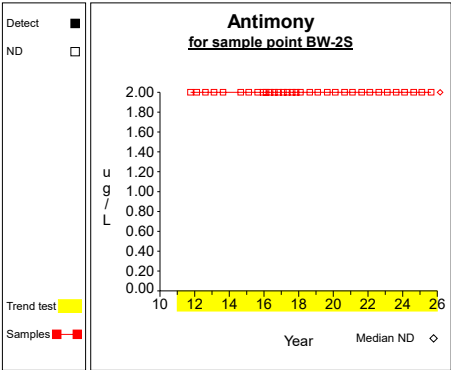


Graph 10

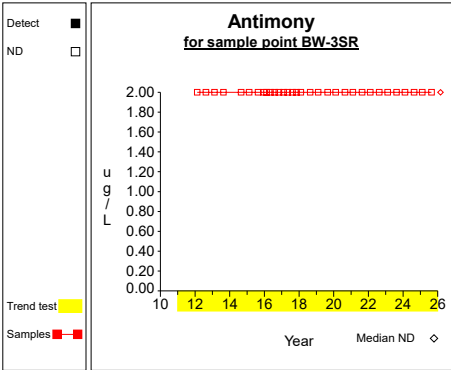
Time Series



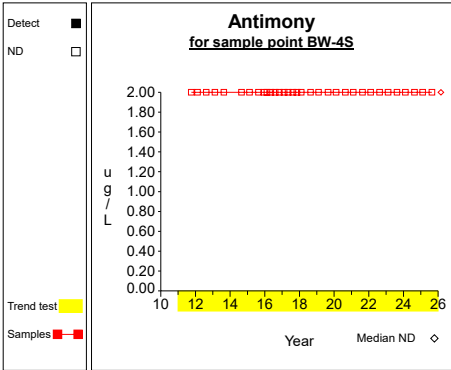
Graph 11



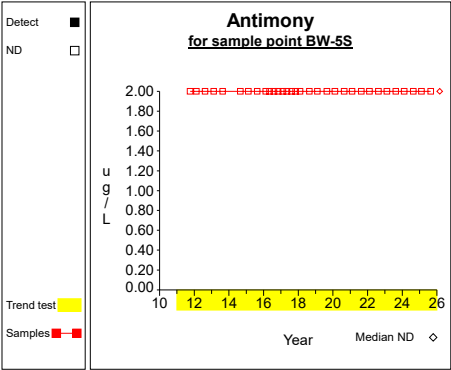
Graph 12



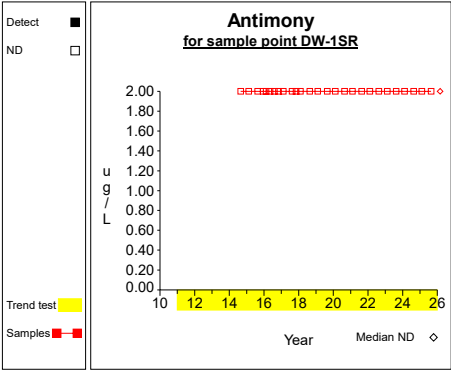
Graph 13



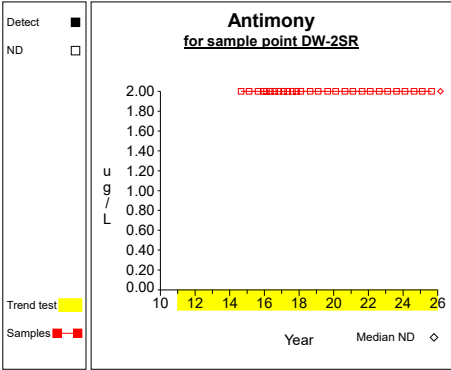
Graph 14



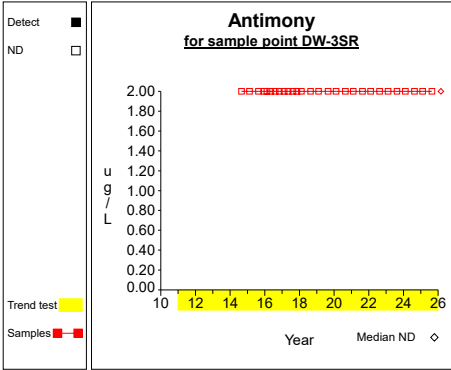
Graph 15



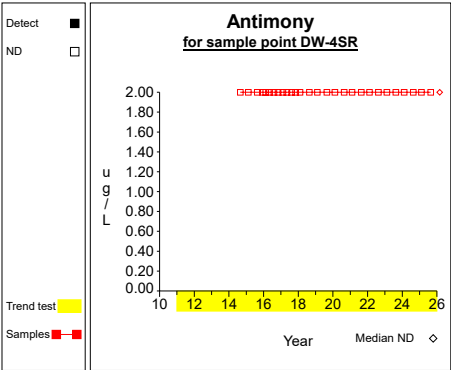
Graph 16



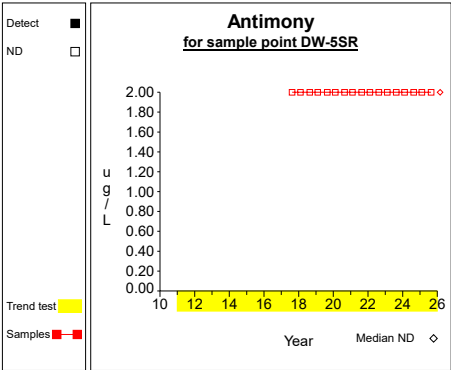
Graph 17



Graph 18

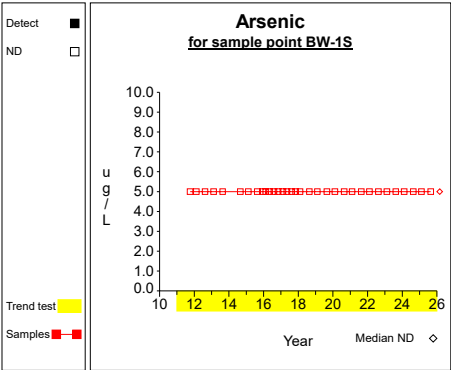


Graph 19

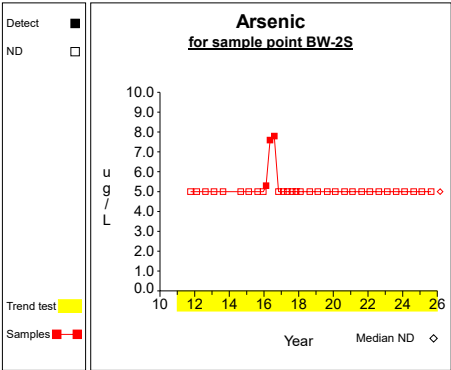


Graph 20

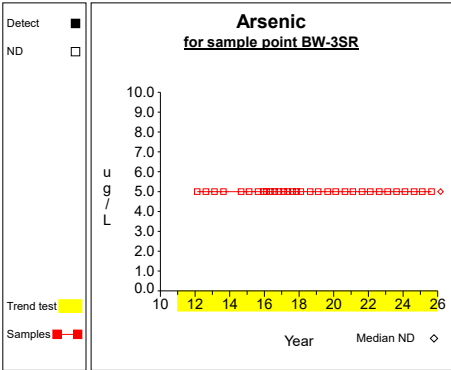
Time Series



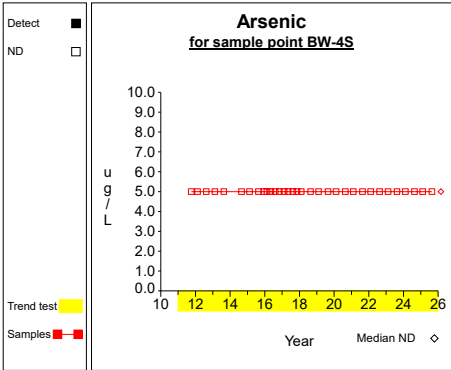
Graph 21



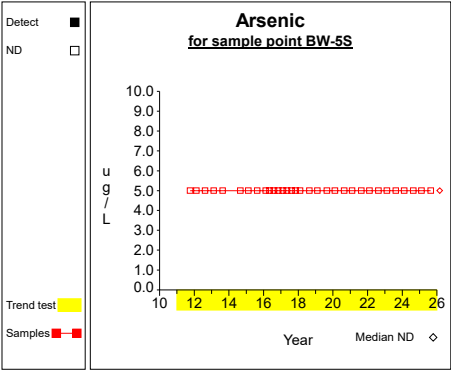
Graph 22



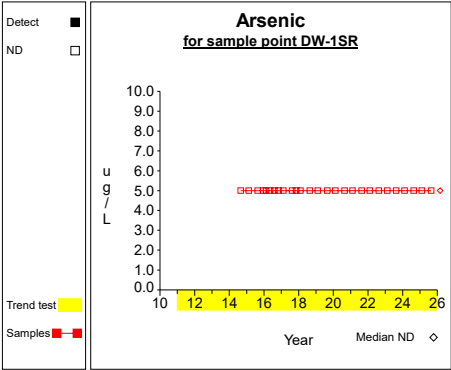
Graph 23



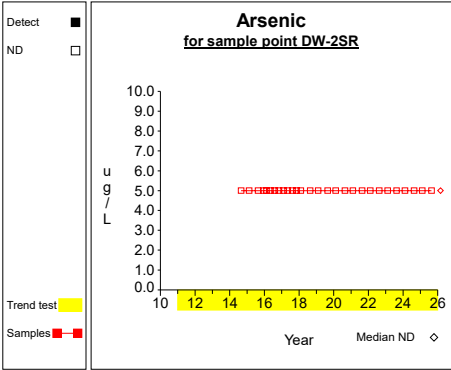
Graph 24



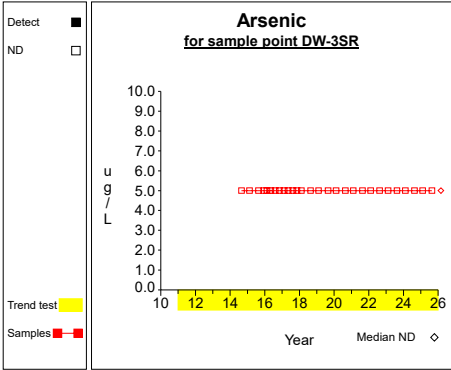
Graph 25



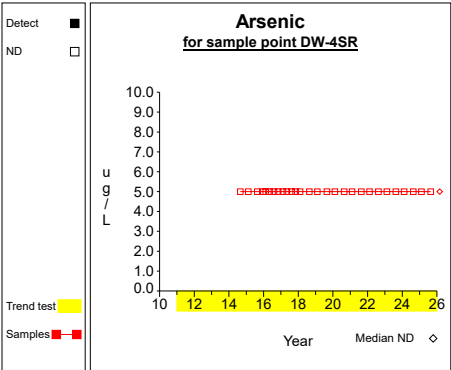
Graph 26



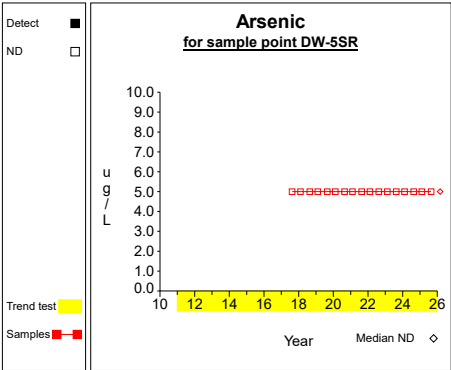
Graph 27



Graph 28

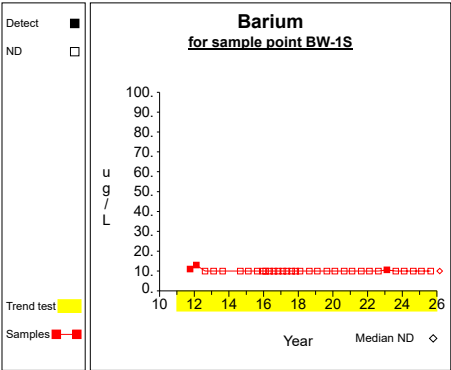


Graph 29

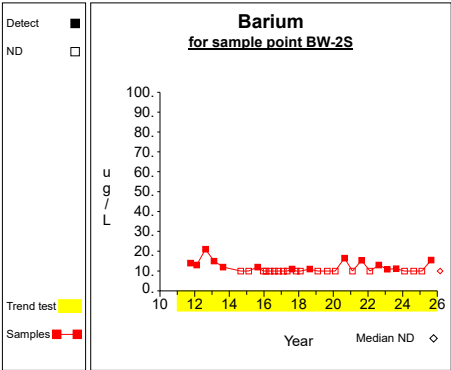


Graph 30

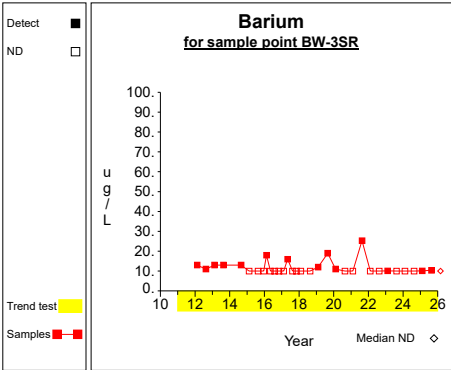
Time Series



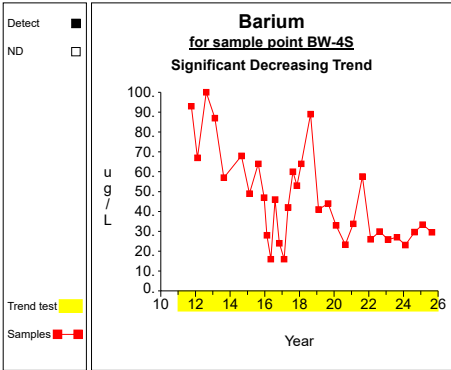
Graph 31



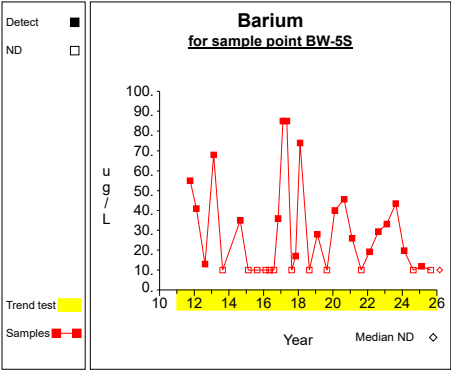
Graph 32



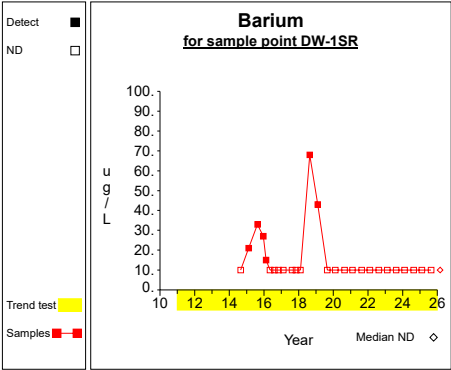
Graph 33



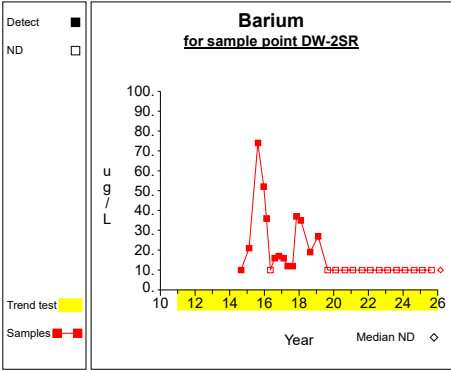
Graph 34



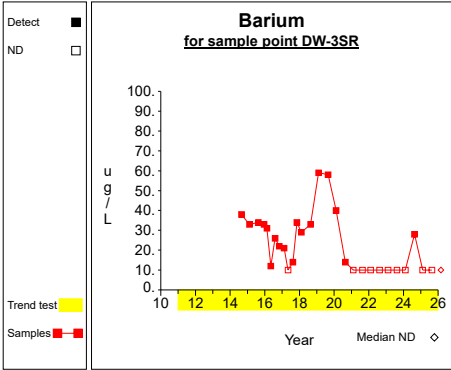
Graph 35



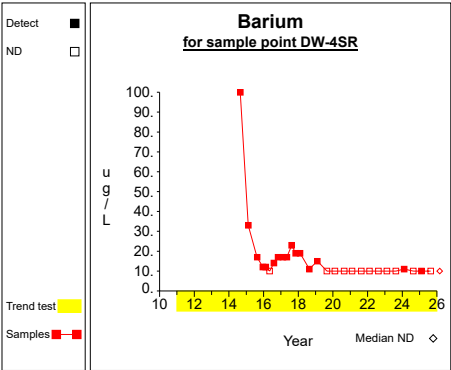
Graph 36



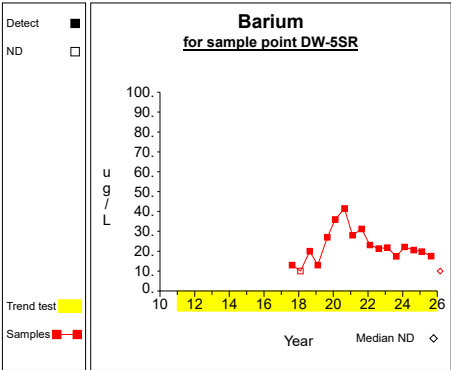
Graph 37



Graph 38

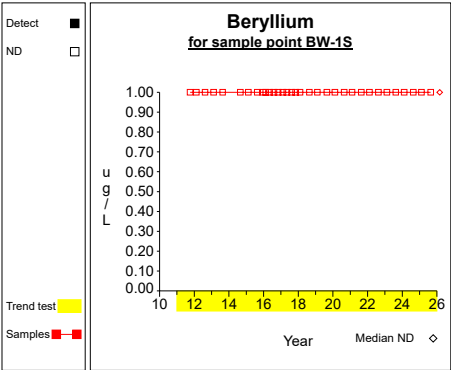


Graph 39

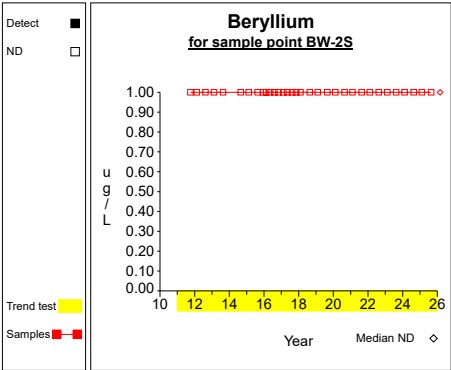


Graph 40

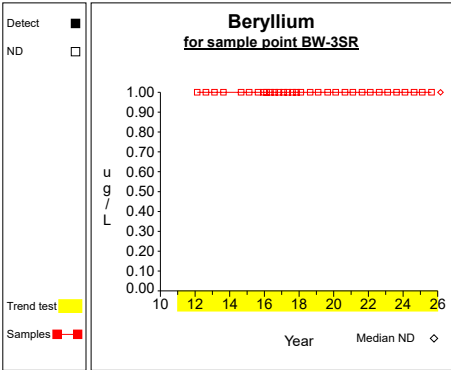
Time Series



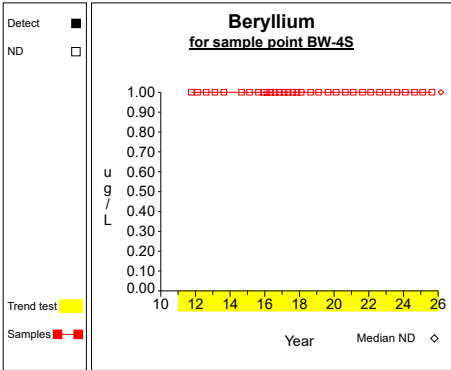
Graph 41



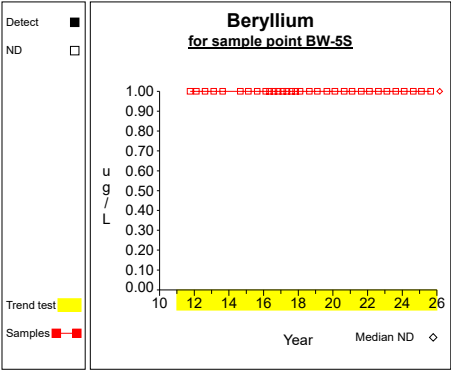
Graph 42



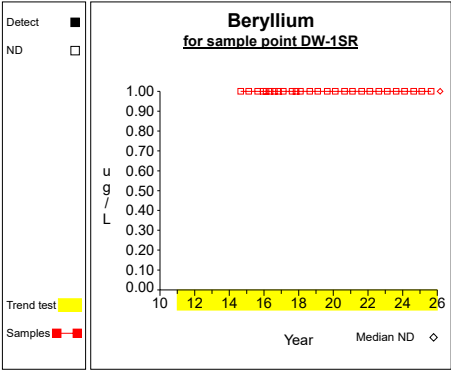
Graph 43



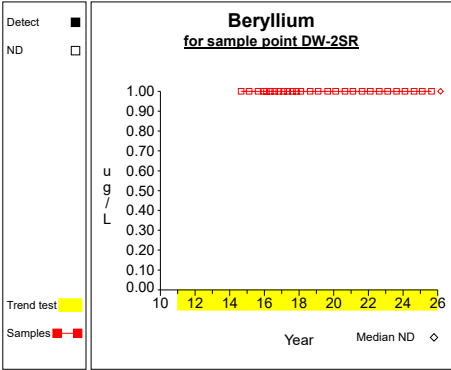
Graph 44



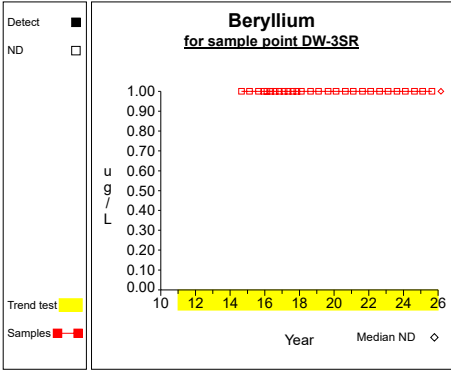
Graph 45



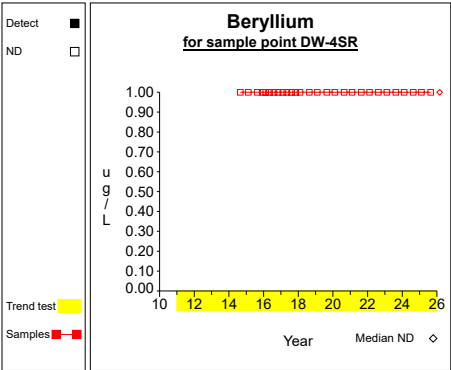
Graph 46



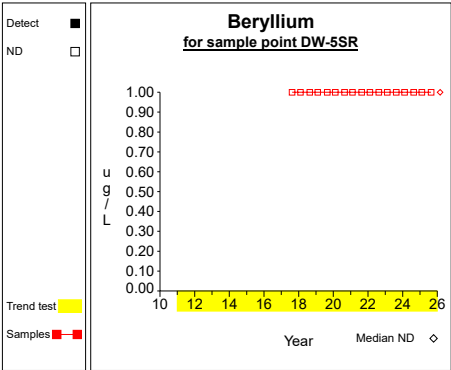
Graph 47



Graph 48

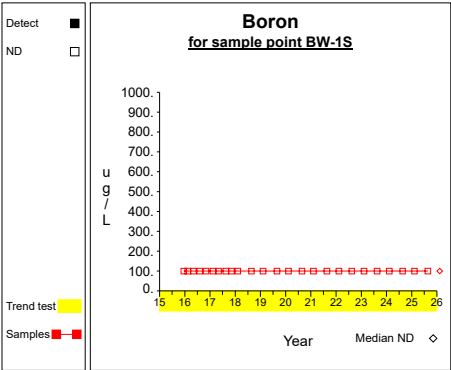


Graph 49

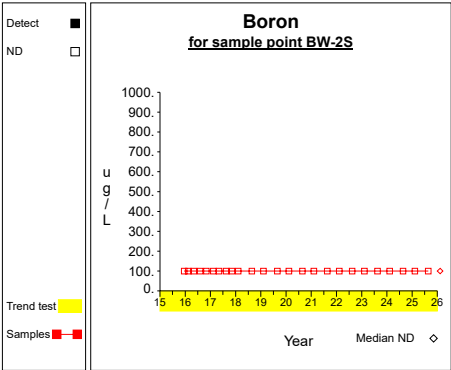


Graph 50

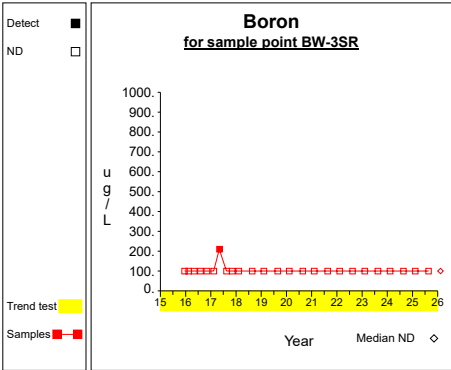
Time Series



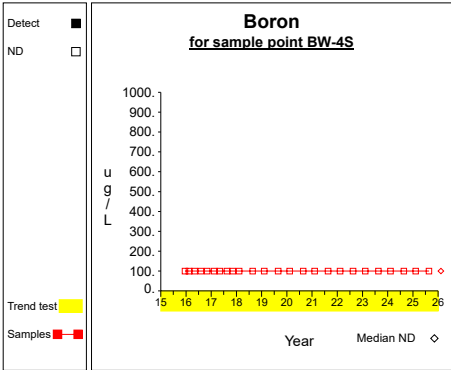
Graph 51



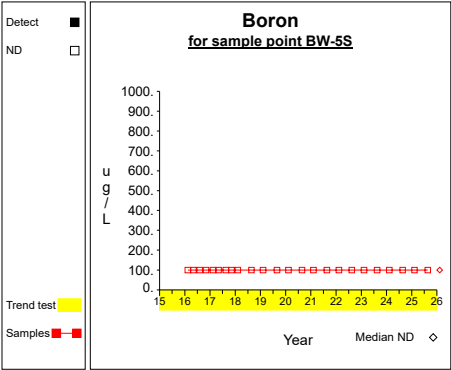
Graph 52



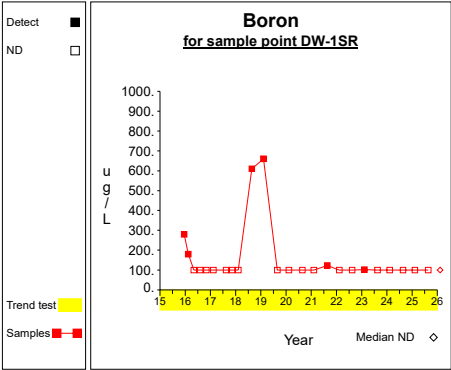
Graph 53



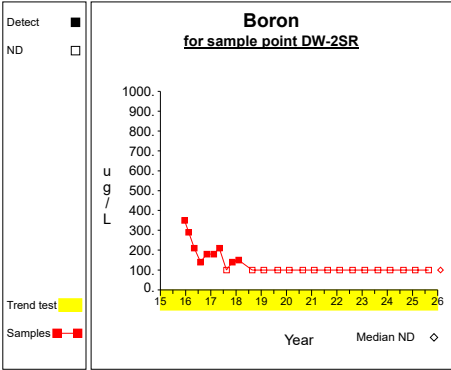
Graph 54



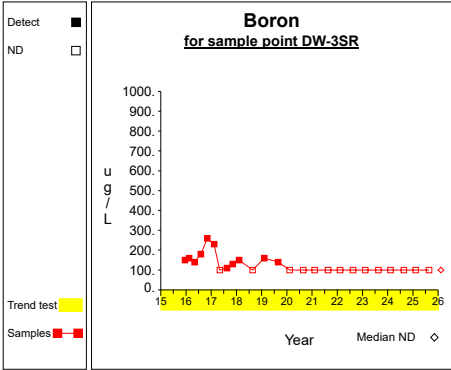
Graph 55



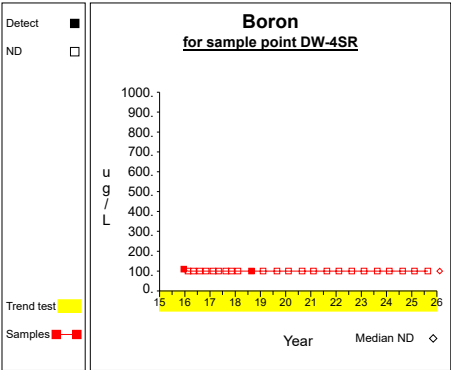
Graph 56



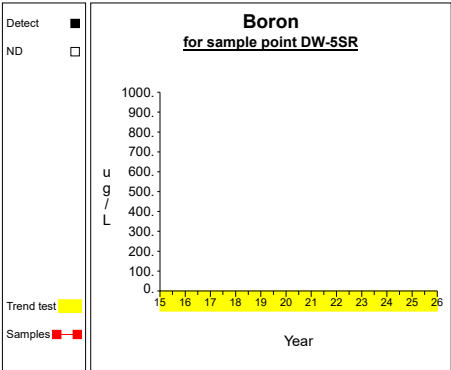
Graph 57



Graph 58

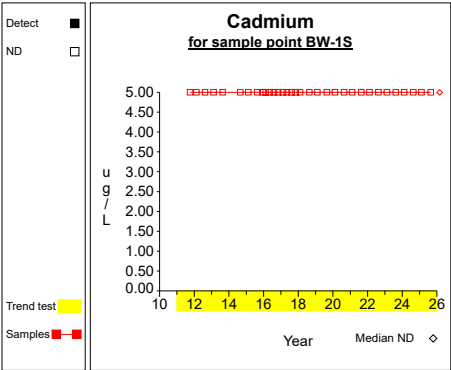


Graph 59

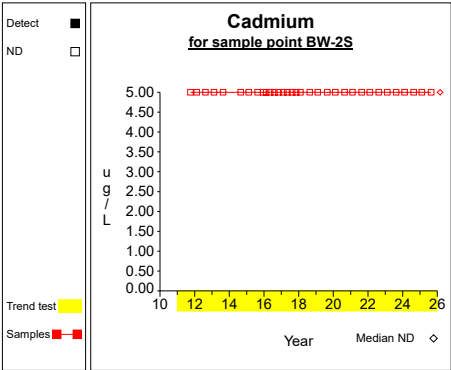


Graph 60

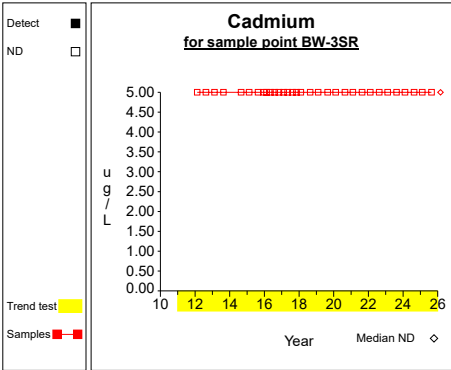
Time Series



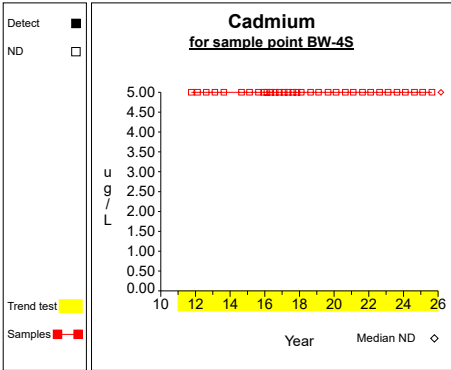
Graph 61



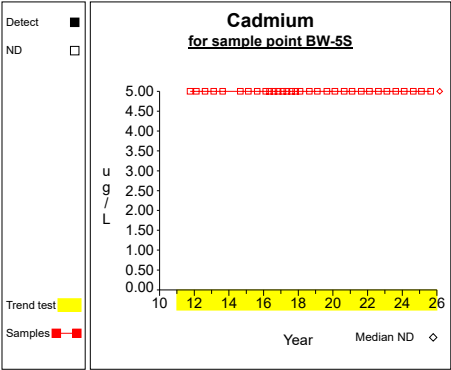
Graph 62



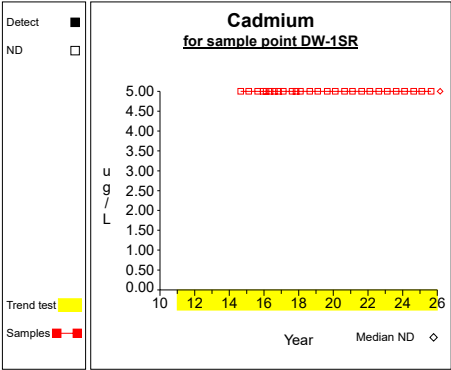
Graph 63



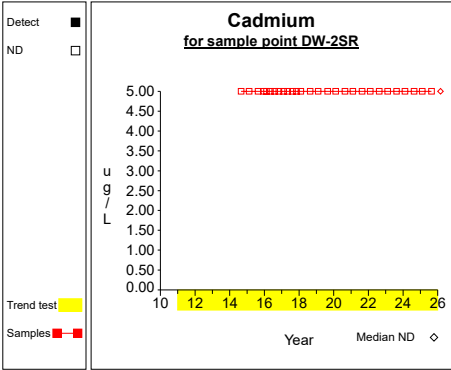
Graph 64



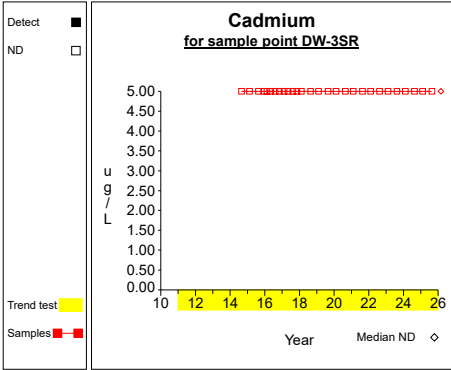
Graph 65



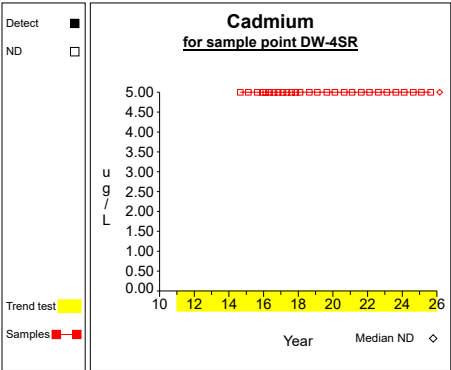
Graph 66



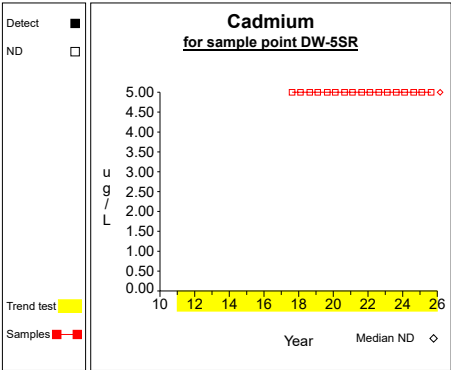
Graph 67



Graph 68

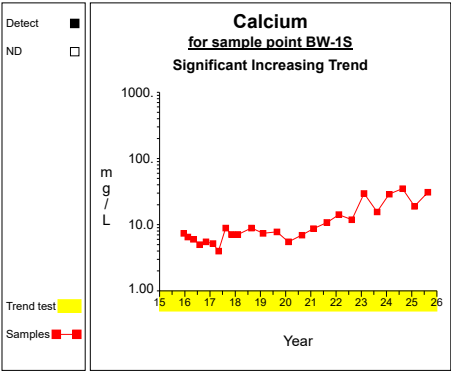


Graph 69

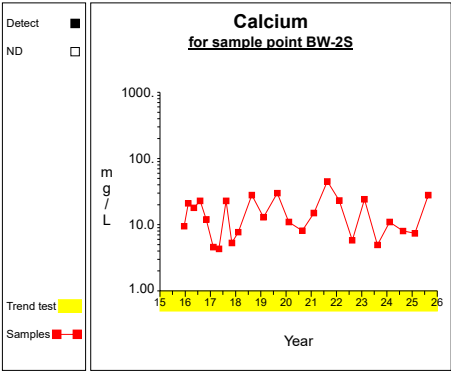


Graph 70

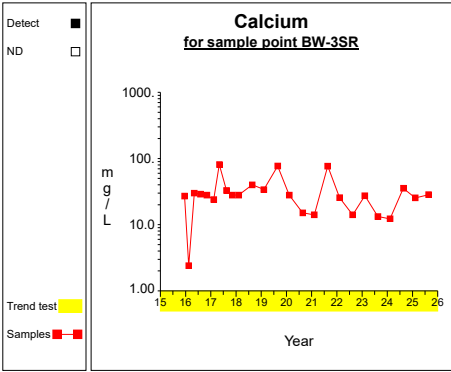
Time Series



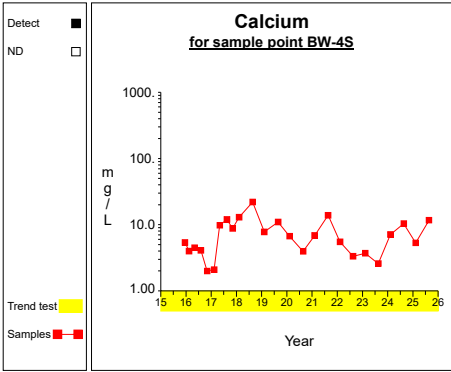
Graph 71



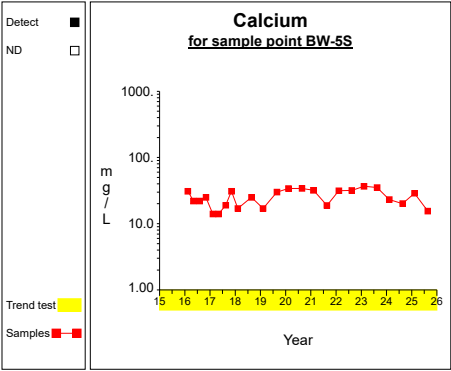
Graph 72



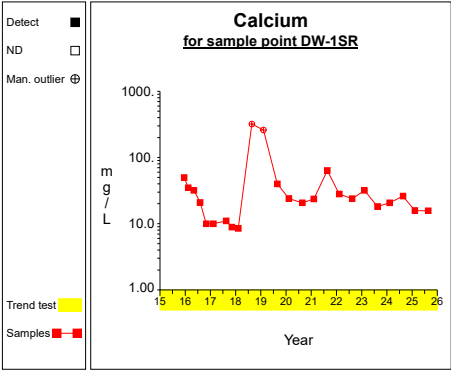
Graph 73



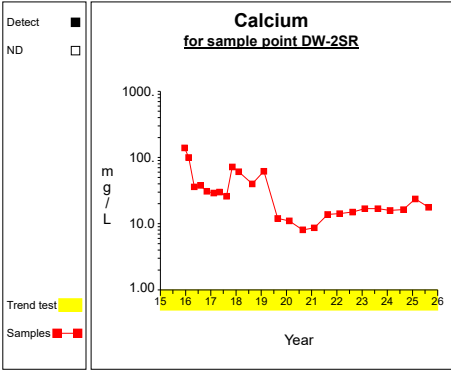
Graph 74



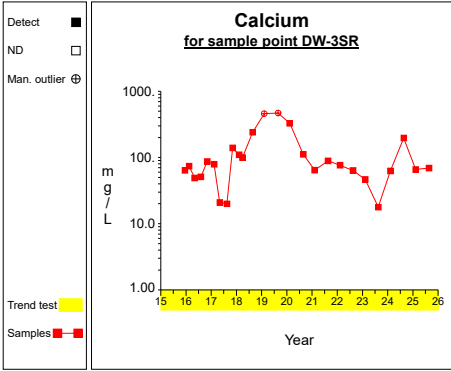
Graph 75



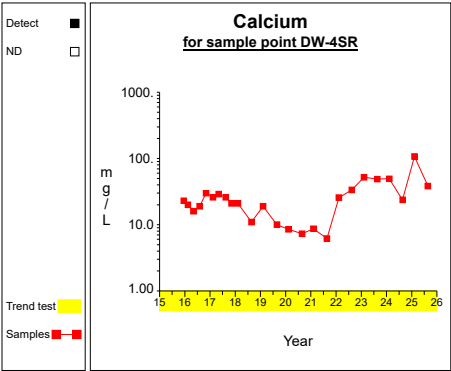
Graph 76



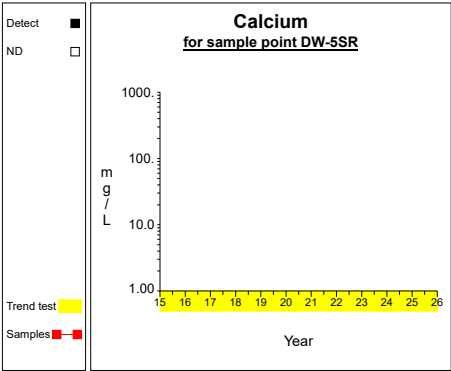
Graph 77



Graph 78

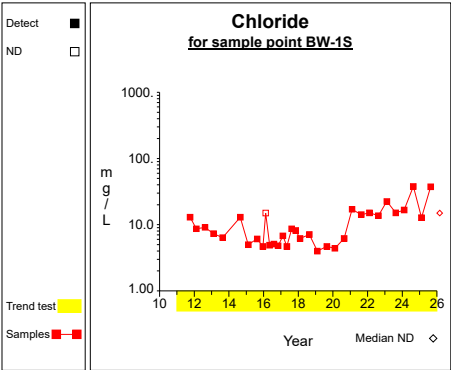


Graph 79

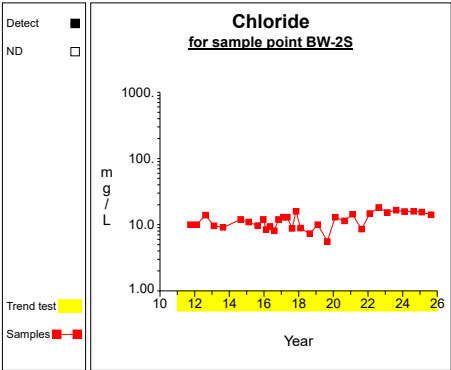


Graph 80

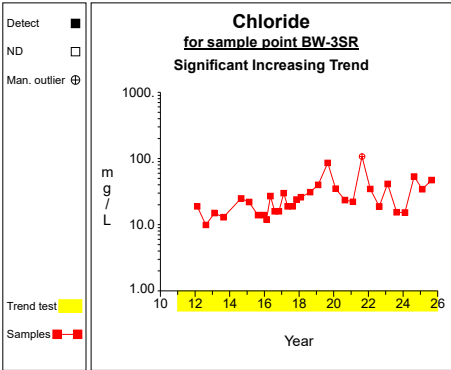
Time Series



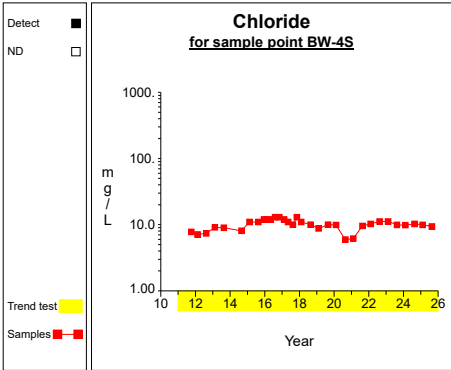
Graph 81



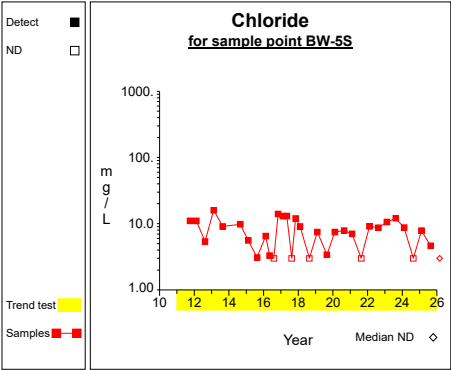
Graph 82



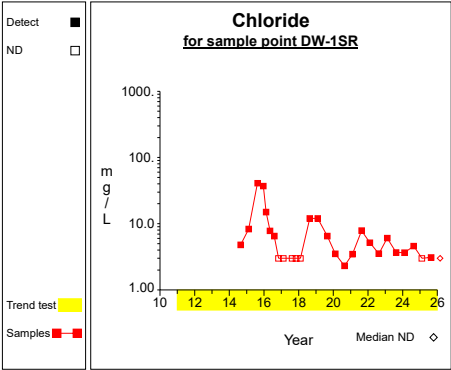
Graph 83



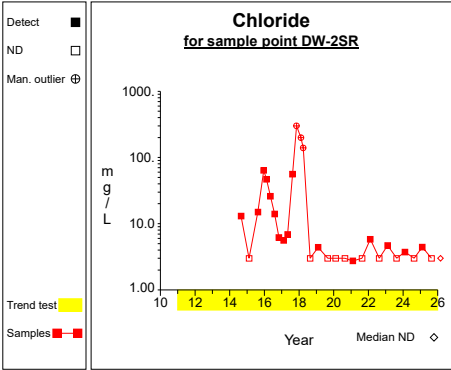
Graph 84



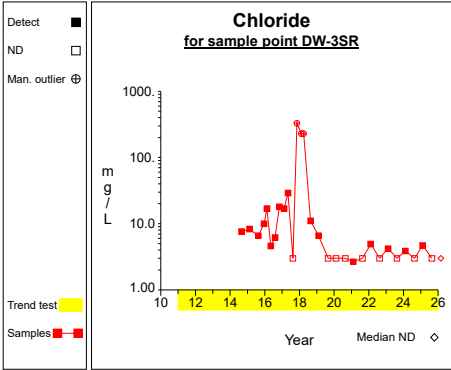
Graph 85



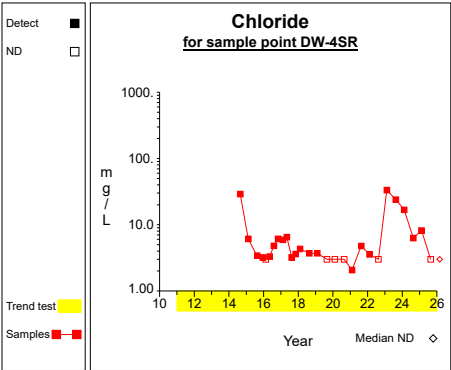
Graph 86



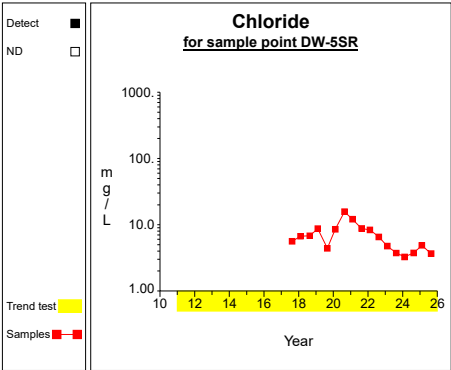
Graph 87



Graph 88

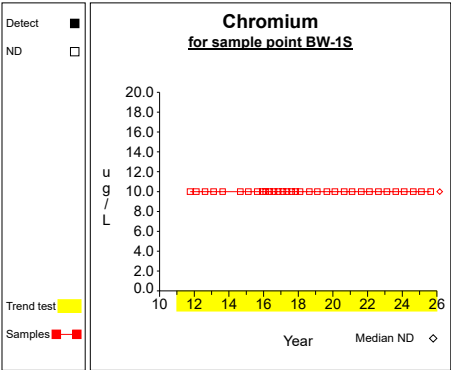


Graph 89

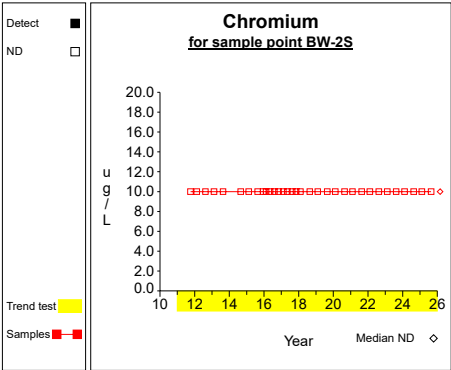


Graph 90

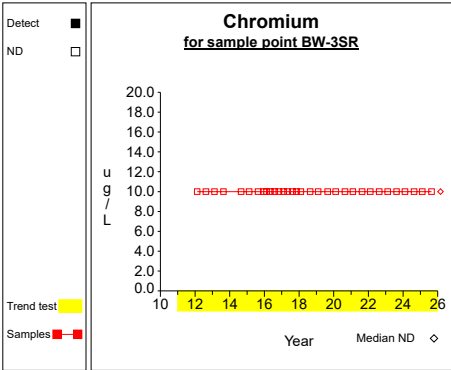
Time Series



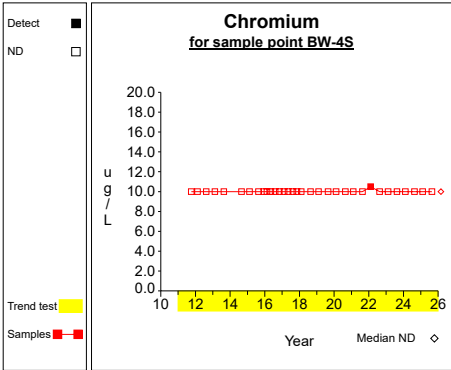
Graph 91



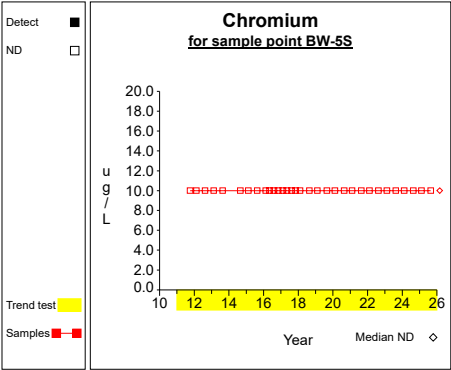
Graph 92



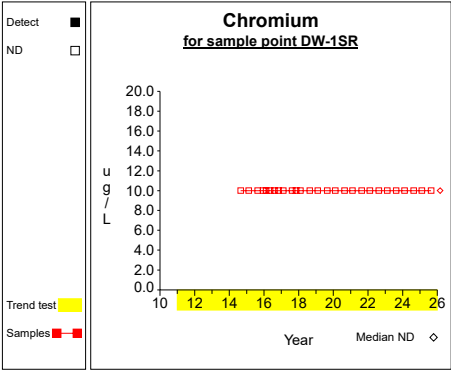
Graph 93



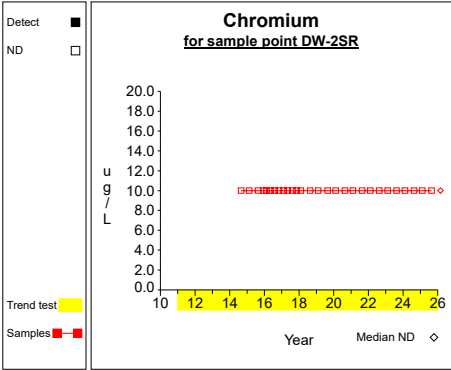
Graph 94



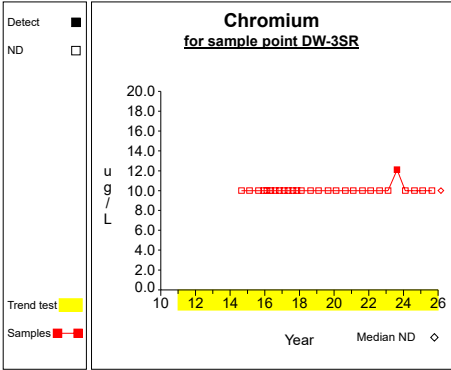
Graph 95



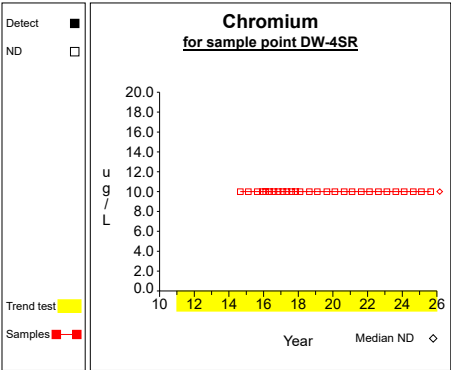
Graph 96



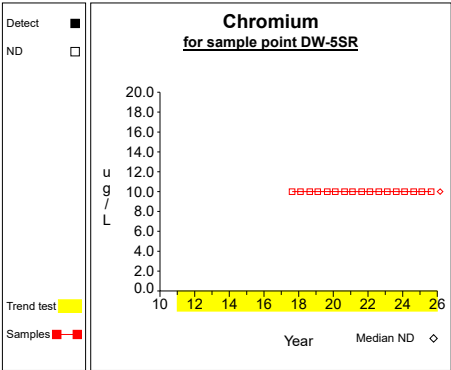
Graph 97



Graph 98

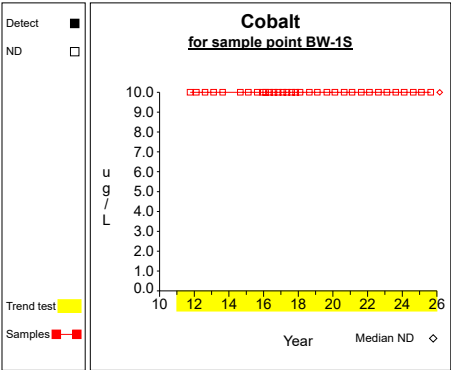


Graph 99

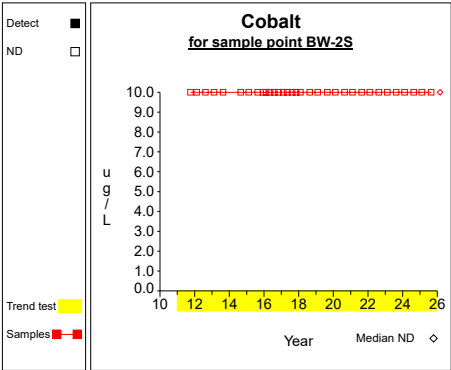


Graph 100

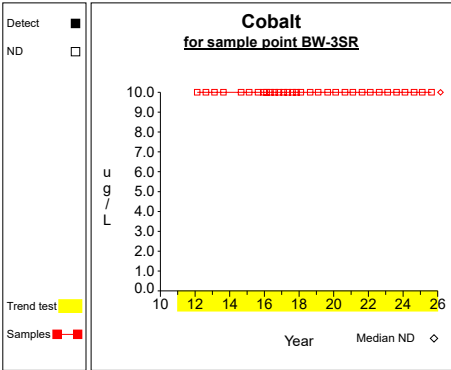
Time Series



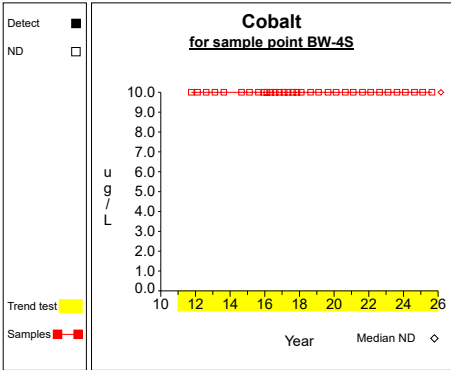
Graph 101



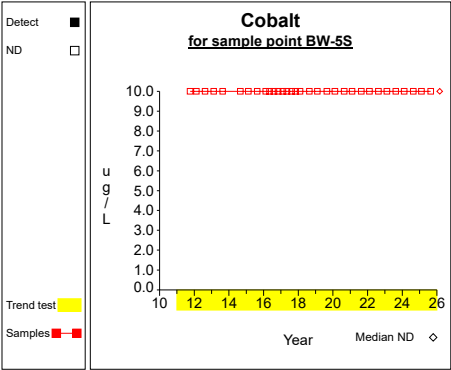
Graph 102



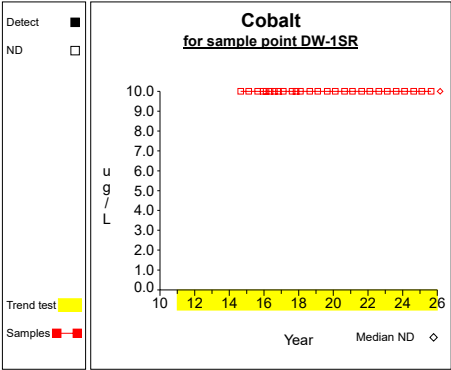
Graph 103



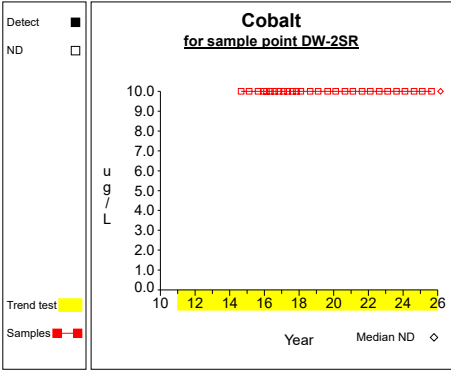
Graph 104



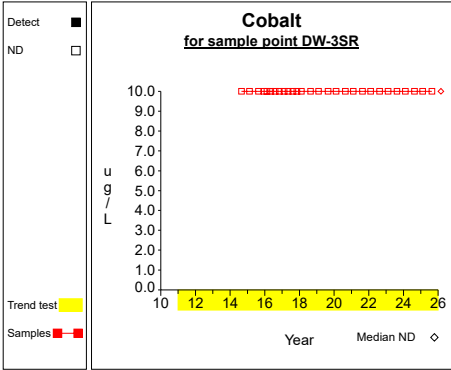
Graph 105



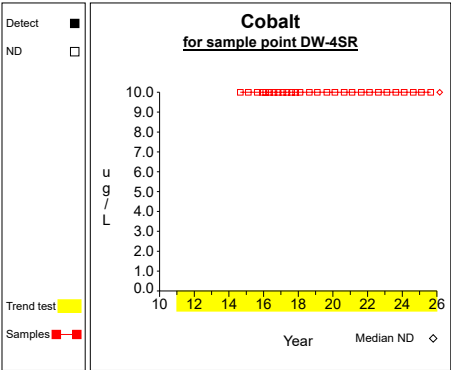
Graph 106



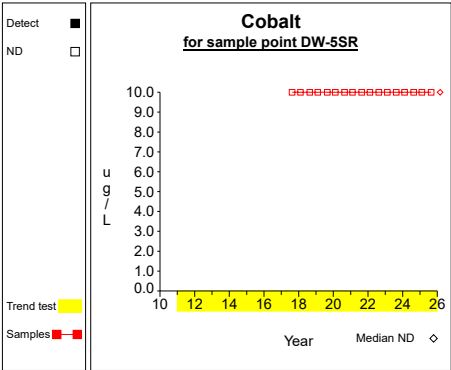
Graph 107



Graph 108

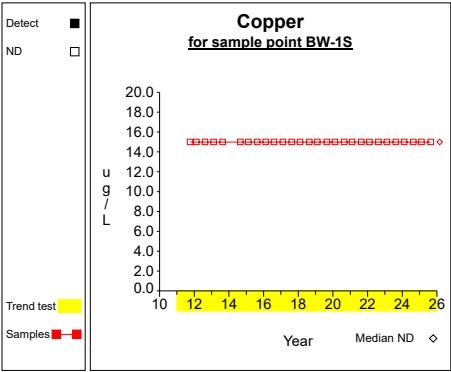


Graph 109

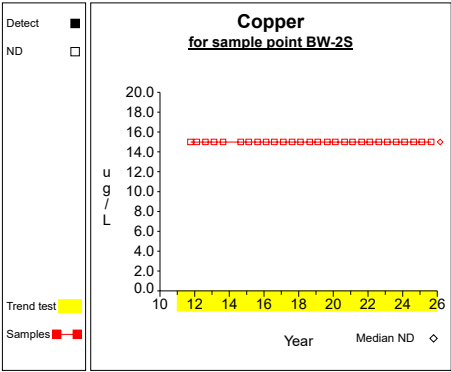


Graph 110

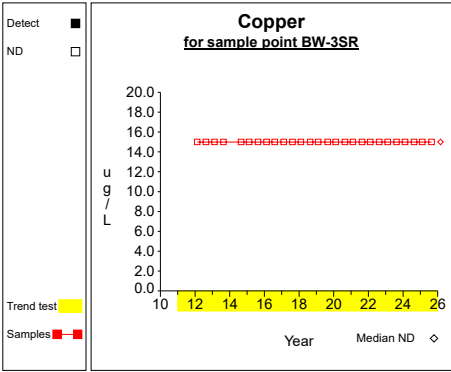
Time Series



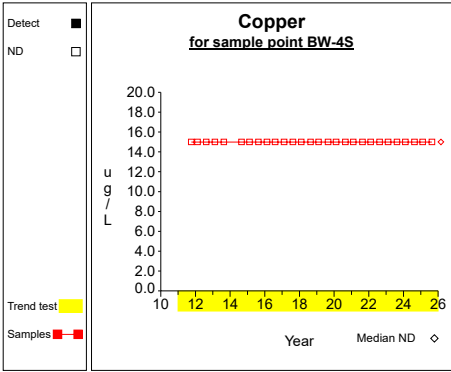
Graph 111



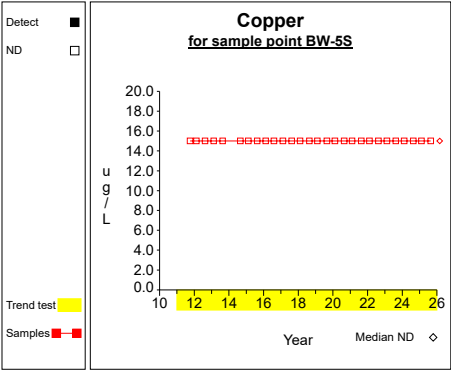
Graph 112



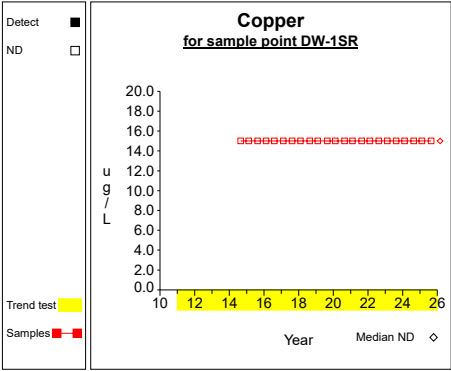
Graph 113



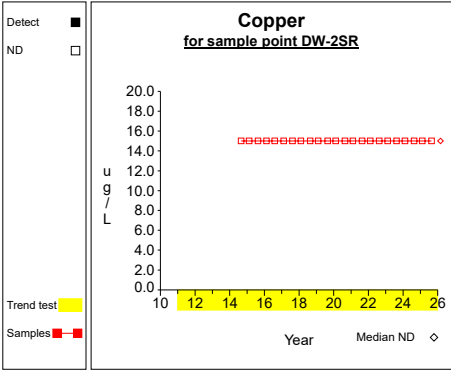
Graph 114



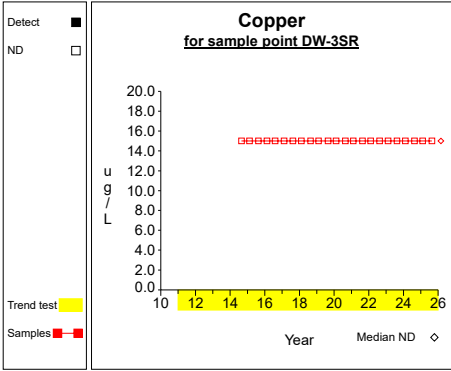
Graph 115



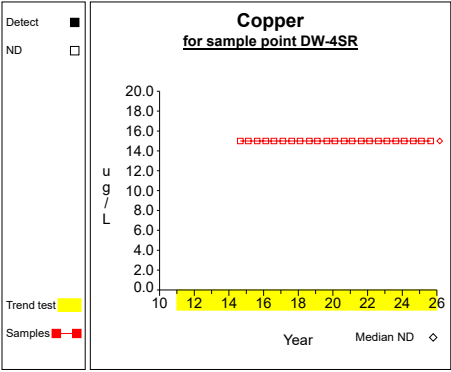
Graph 116



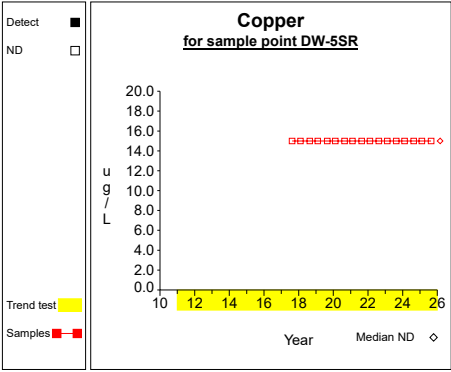
Graph 117



Graph 118

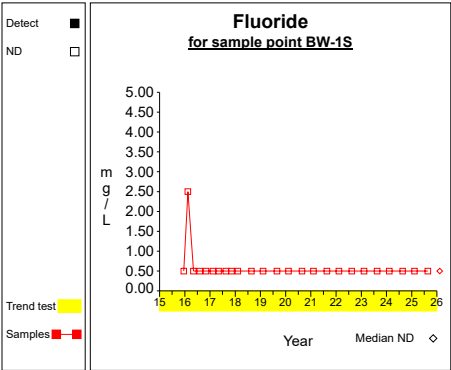


Graph 119

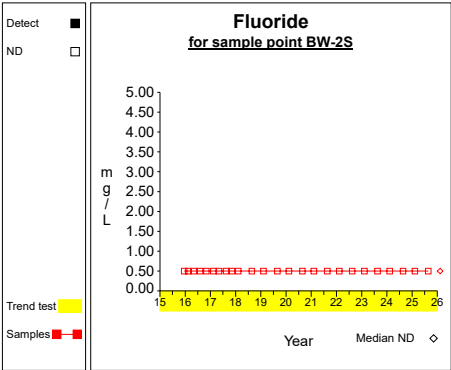


Graph 120

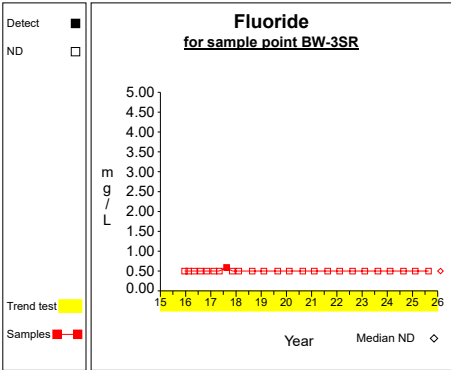
Time Series



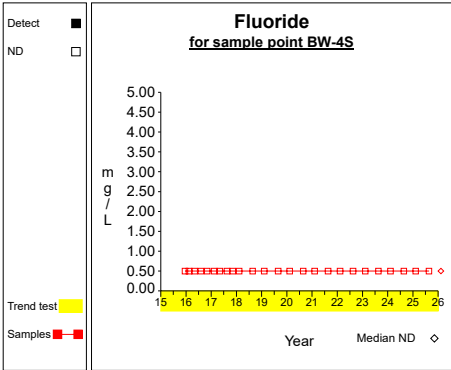
Graph 121



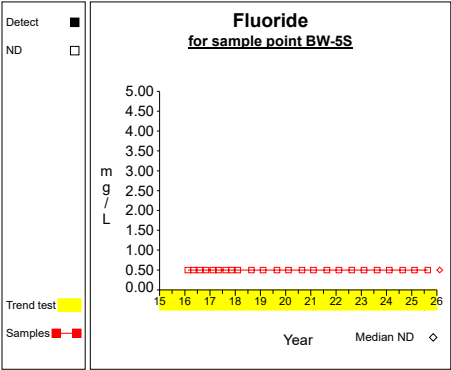
Graph 122



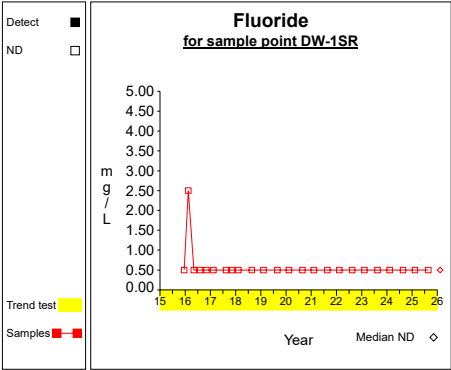
Graph 123



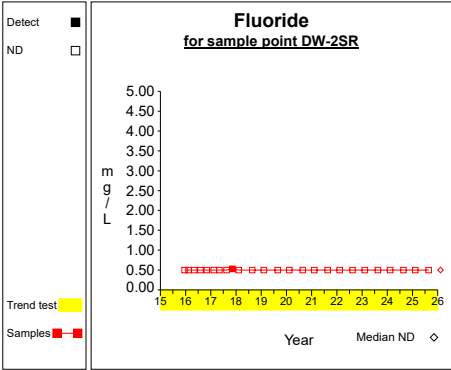
Graph 124



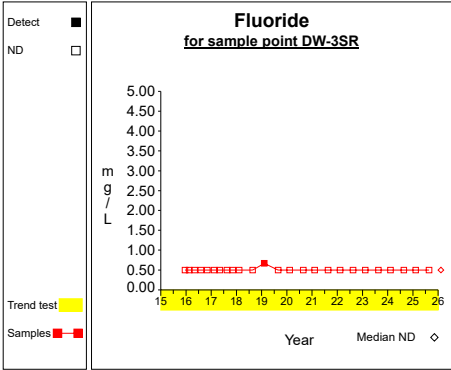
Graph 125



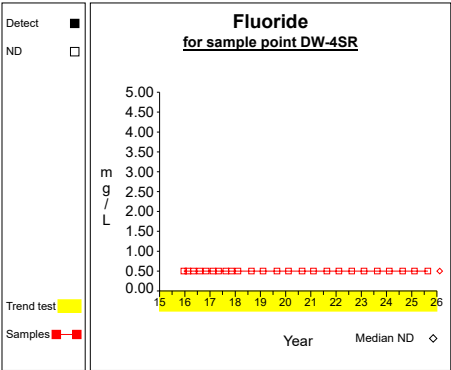
Graph 126



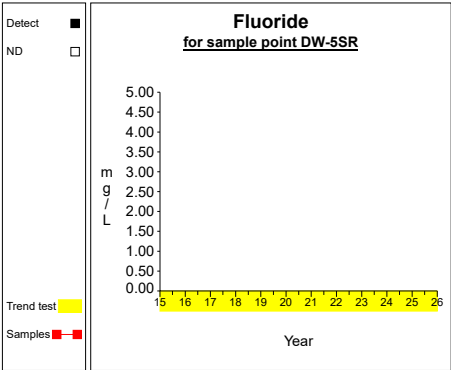
Graph 127



Graph 128

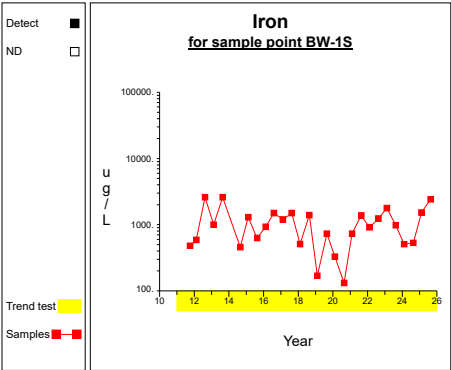


Graph 129

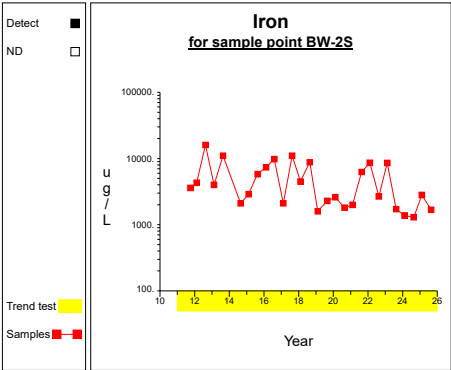


Graph 130

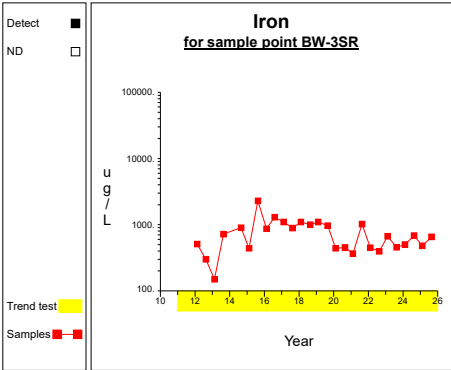
Time Series



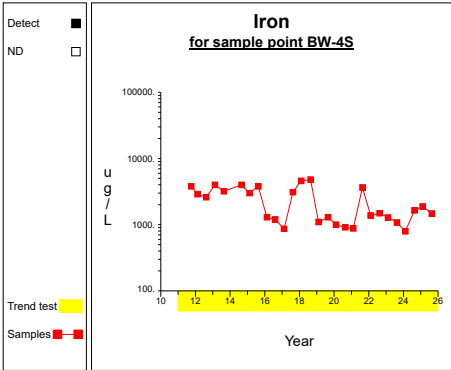
Graph 131



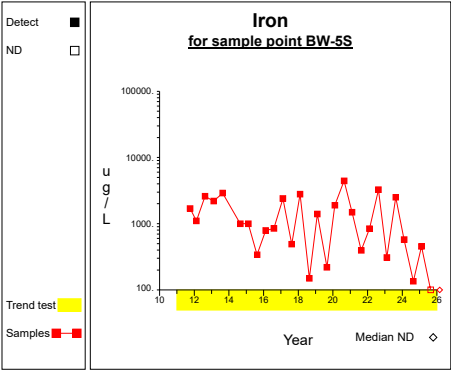
Graph 132



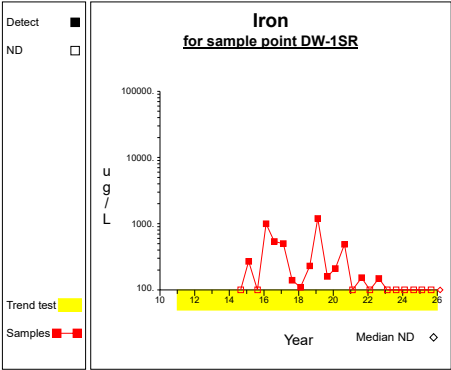
Graph 133



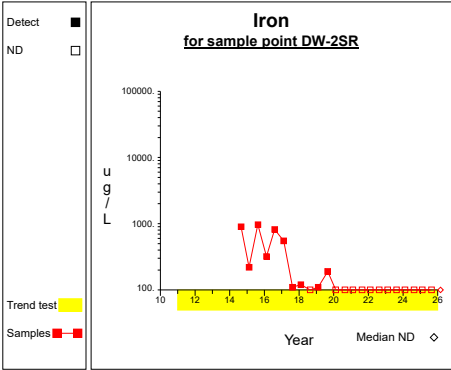
Graph 134



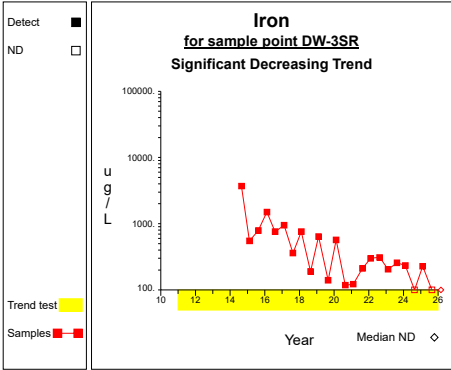
Graph 135



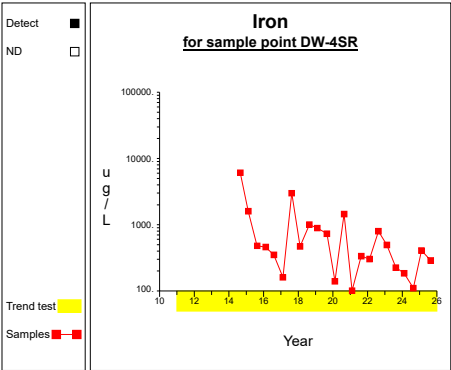
Graph 136



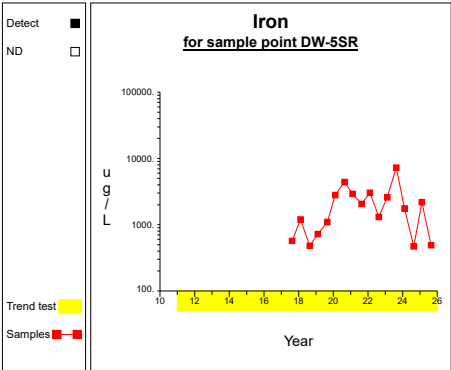
Graph 137



Graph 138

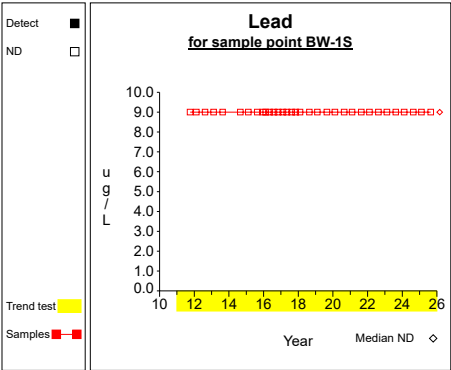


Graph 139

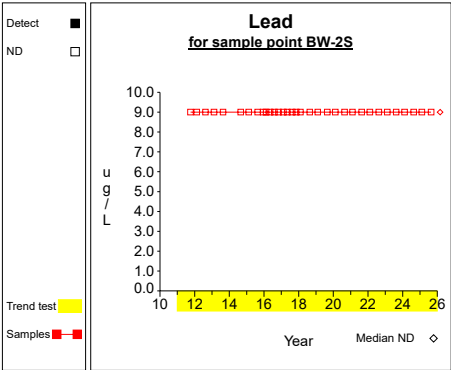


Graph 140

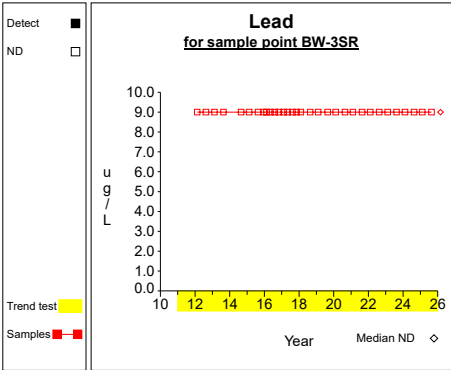
Time Series



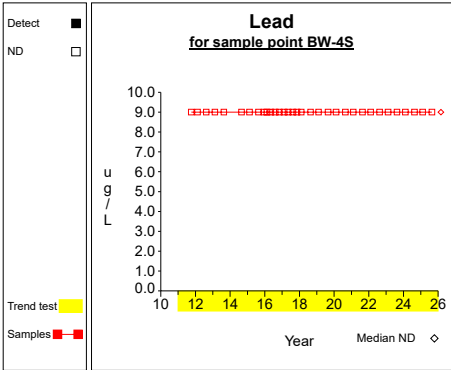
Graph 141



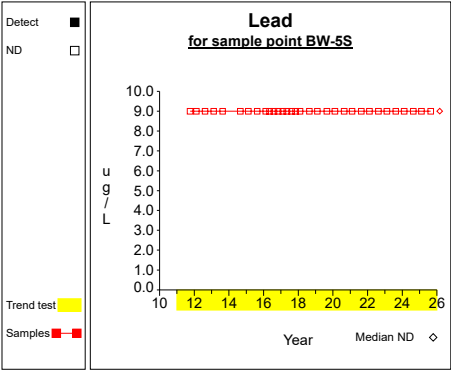
Graph 142



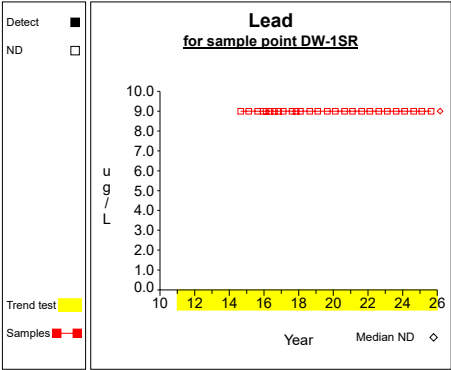
Graph 143



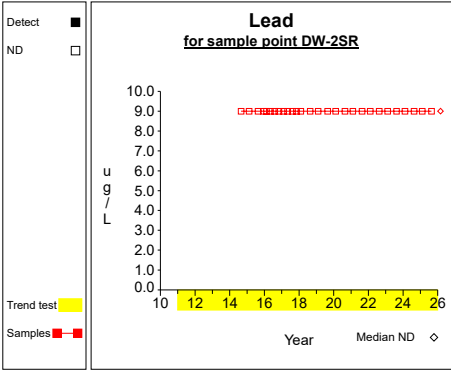
Graph 144



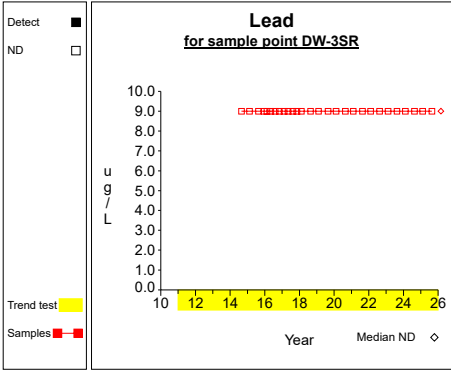
Graph 145



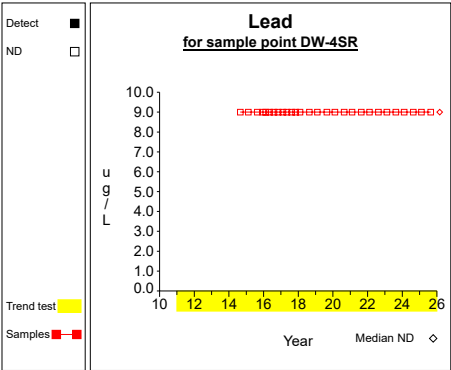
Graph 146



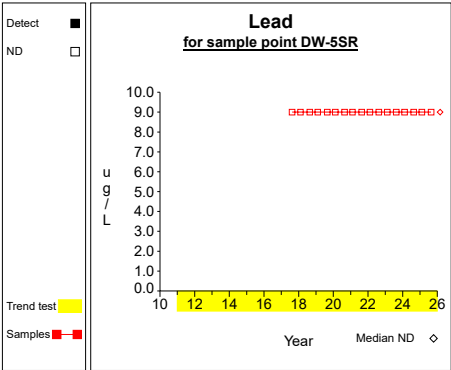
Graph 147



Graph 148

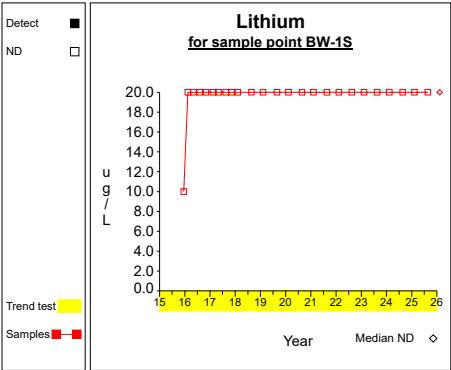


Graph 149

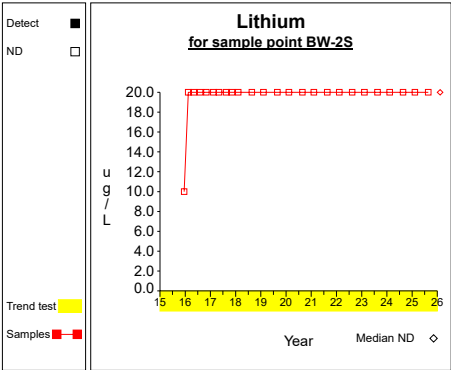


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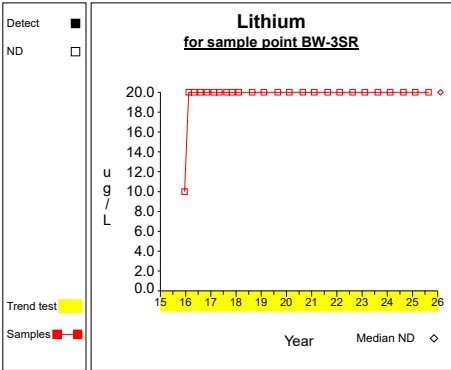
Time Series



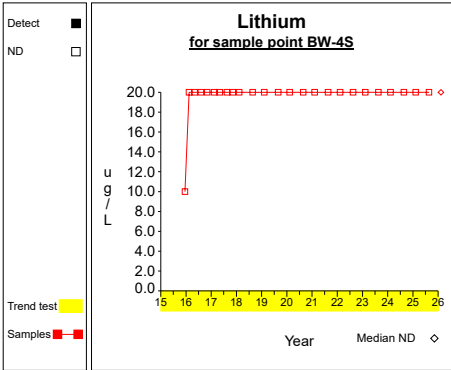
Graph 151



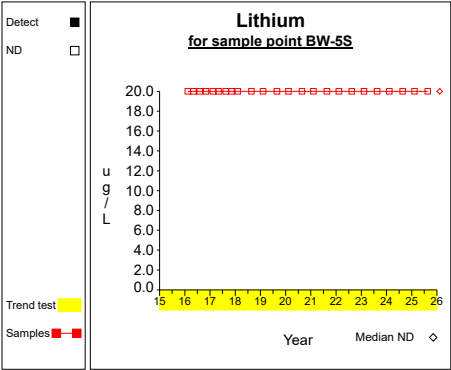
Graph 152



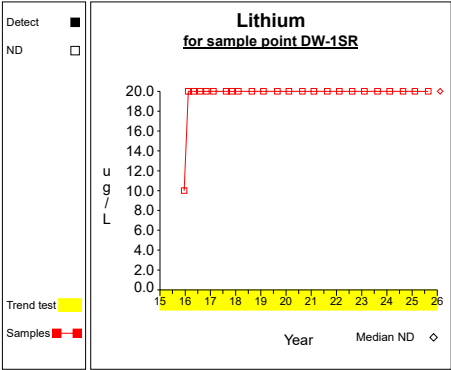
Graph 153



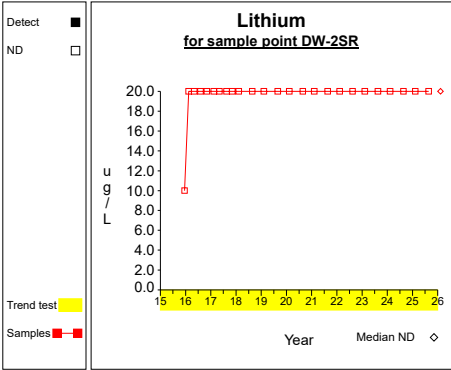
Graph 154



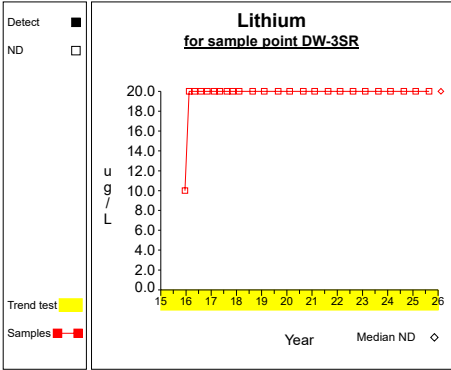
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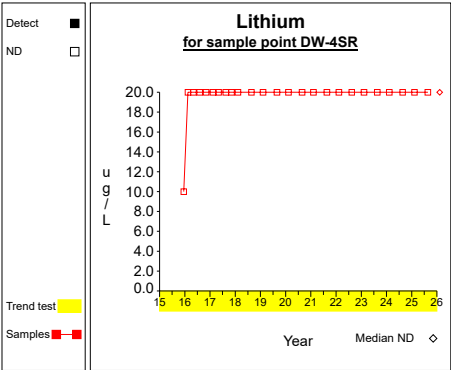
Graph 156



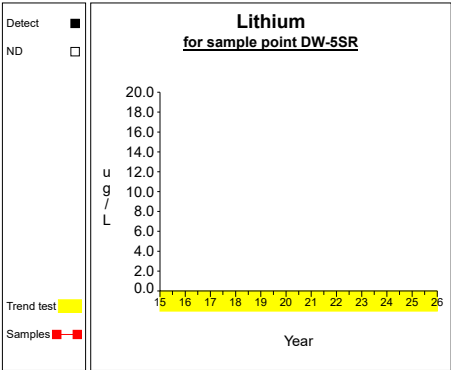
Graph 157



Graph 158

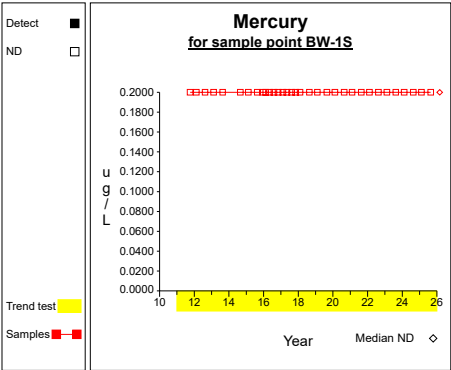


Graph 159

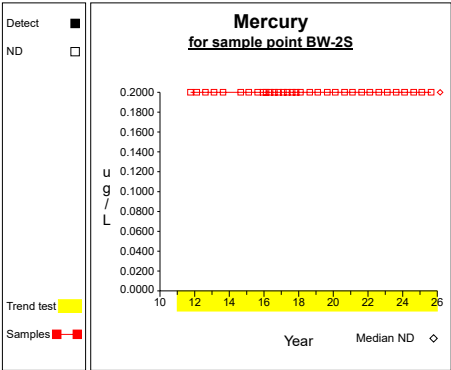


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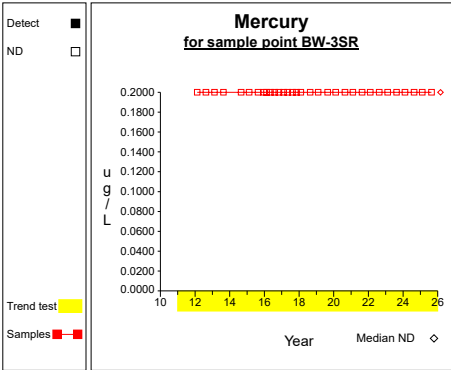
Time Series



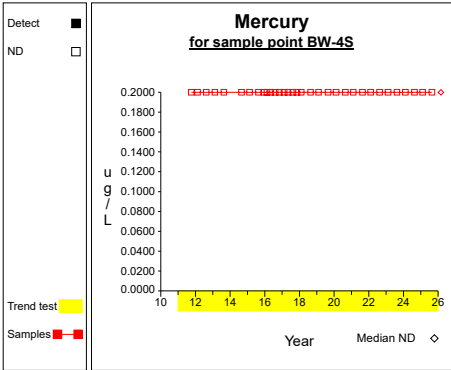
Graph 161



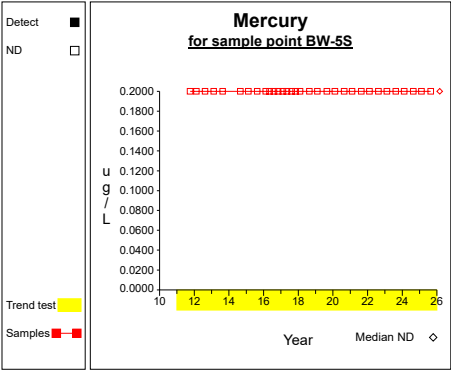
Graph 162



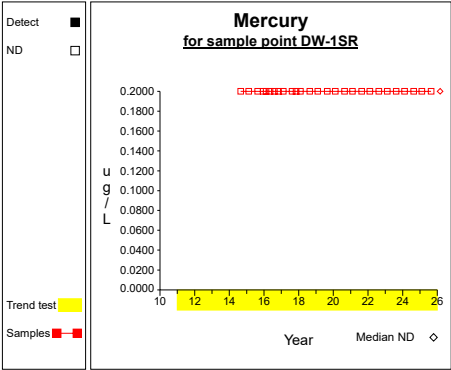
Graph 163



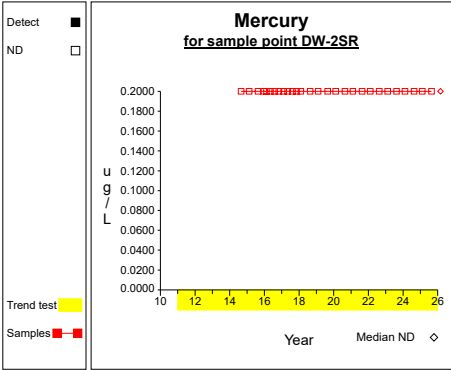
Graph 164



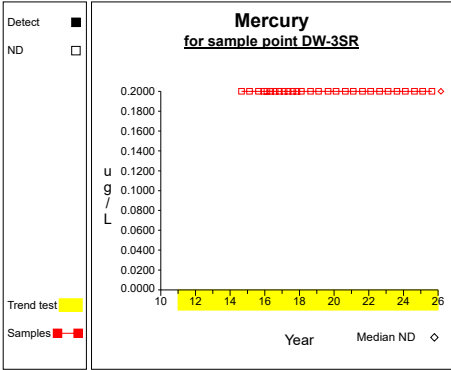
Graph 165



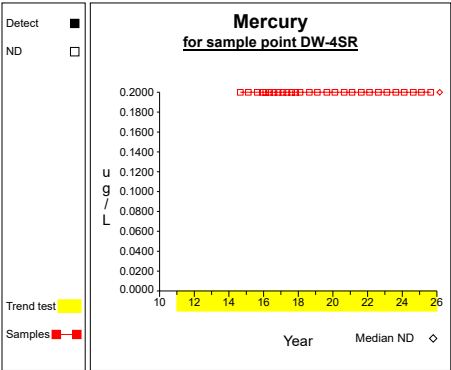
Graph 166



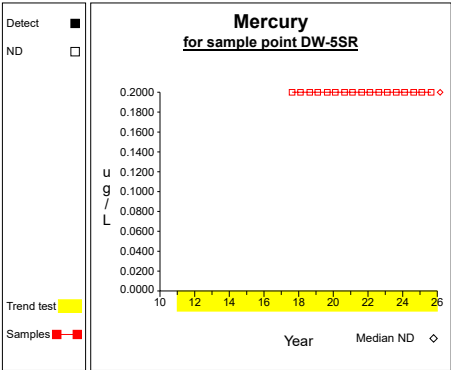
Graph 167



Graph 168

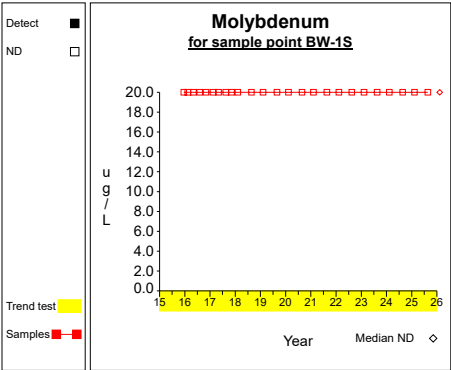


Graph 169

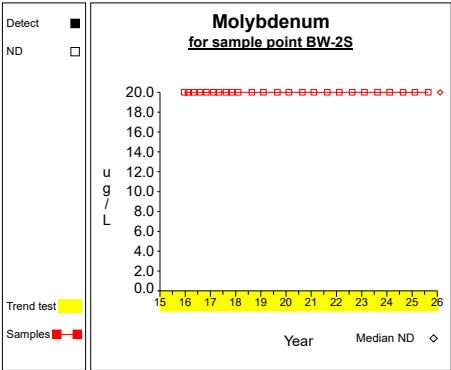


Graph 170

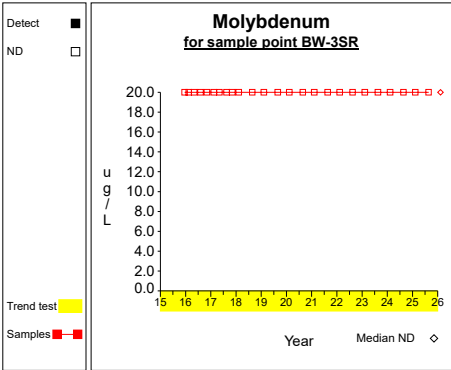
Time Series



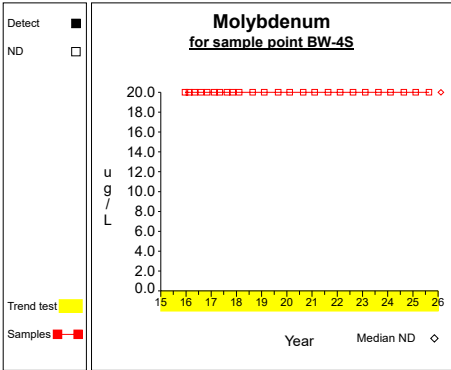
Graph 171



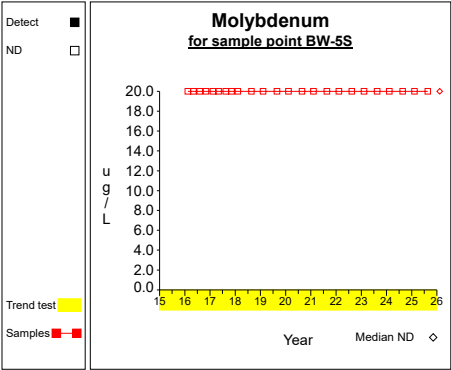
Graph 172



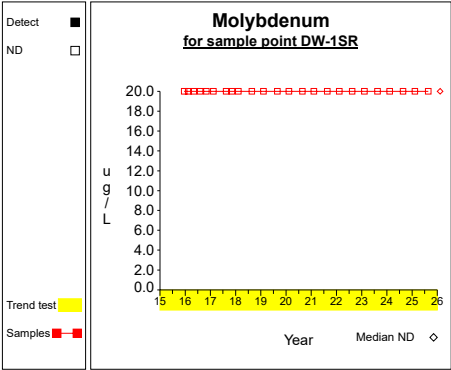
Graph 173



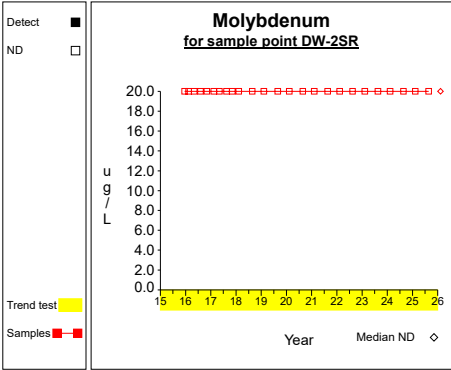
Graph 174



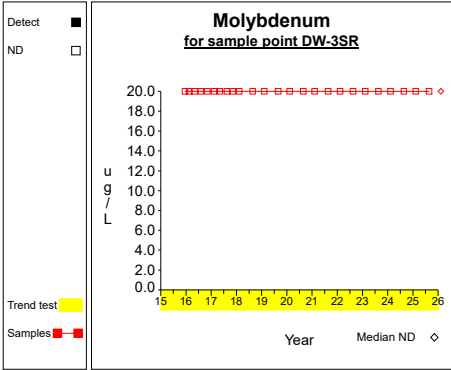
Graph 175



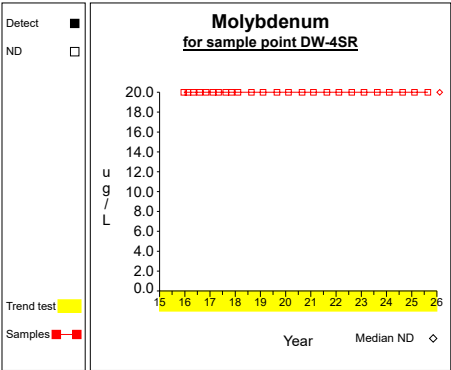
Graph 176



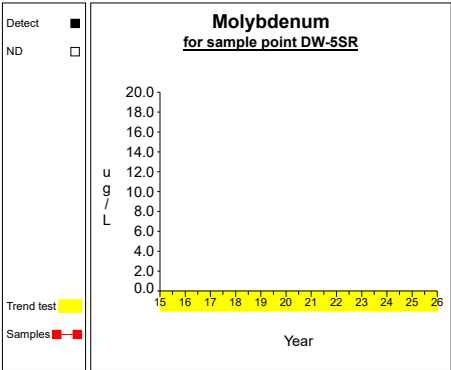
Graph 177



Graph 178

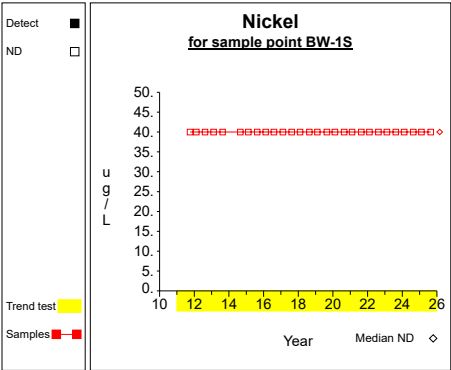


Graph 179

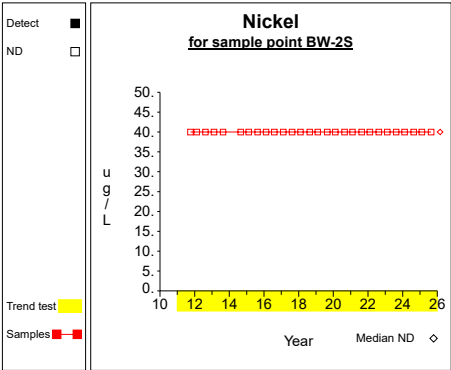


Graph 180

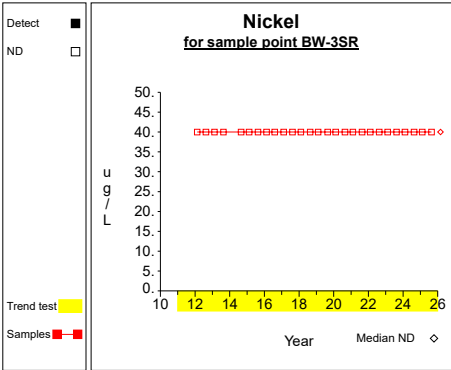
Time Series



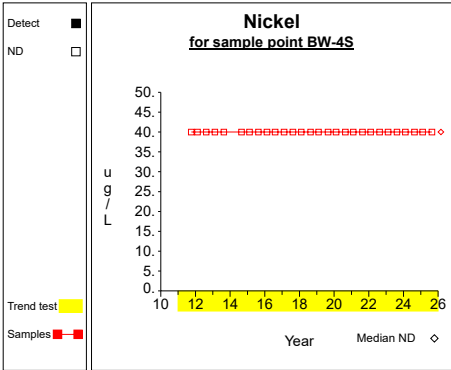
Graph 181



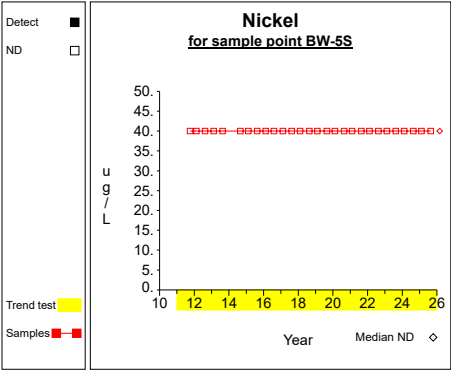
Graph 182



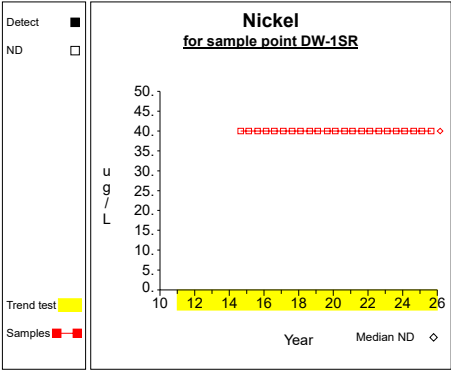
Graph 183



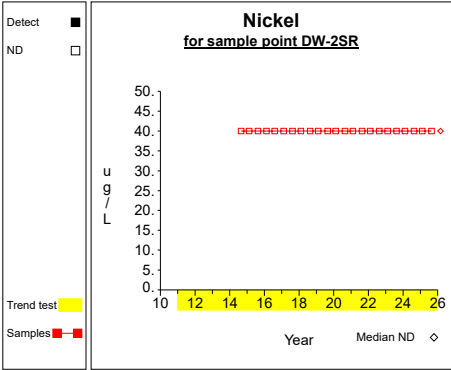
Graph 184



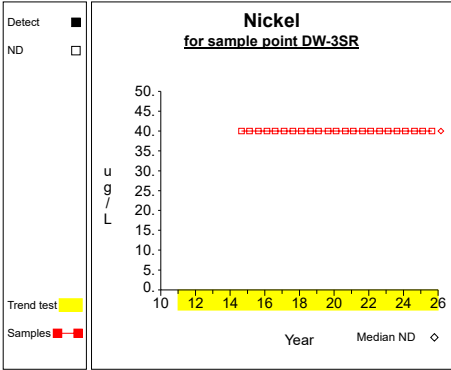
Graph 185



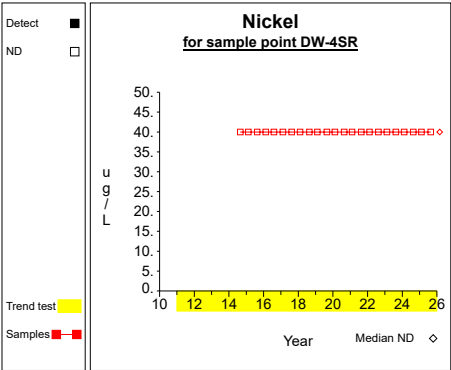
Graph 186



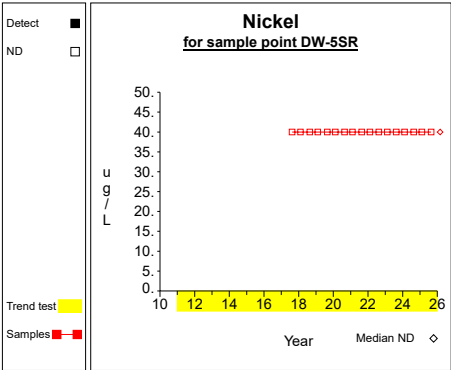
Graph 187



Graph 188

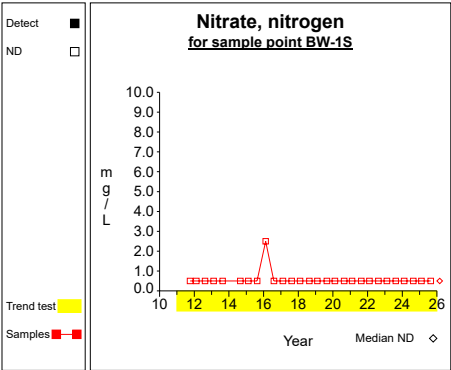


Graph 189

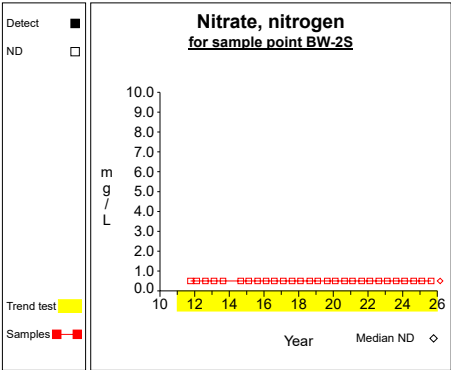


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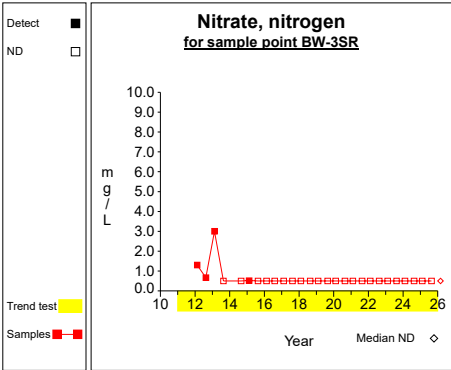
Time Series



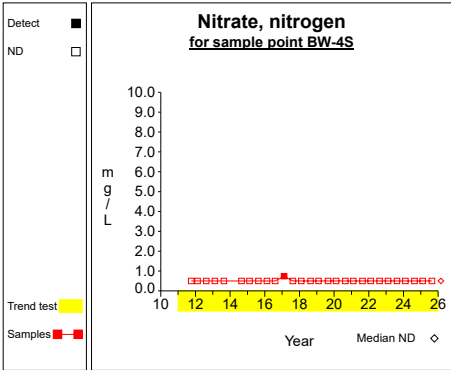
Graph 191



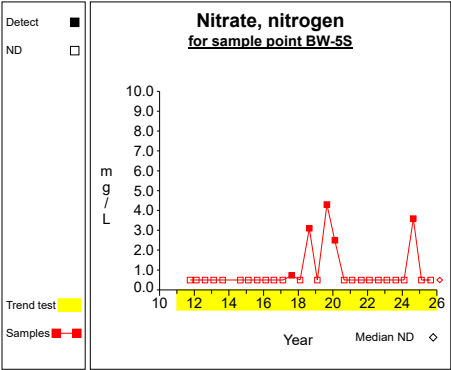
Graph 192



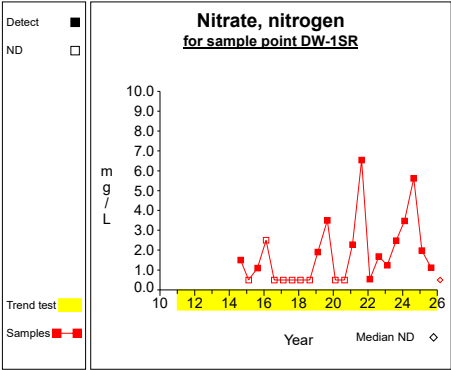
Graph 193



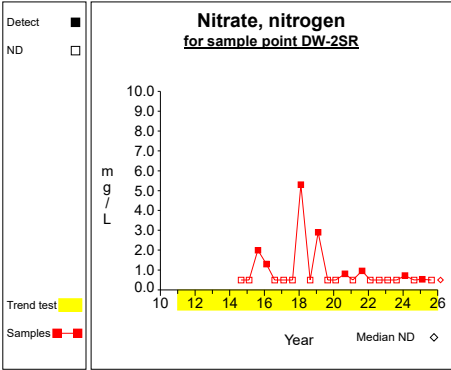
Graph 194



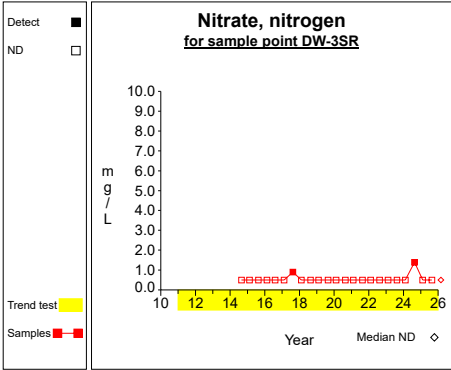
Graph 195



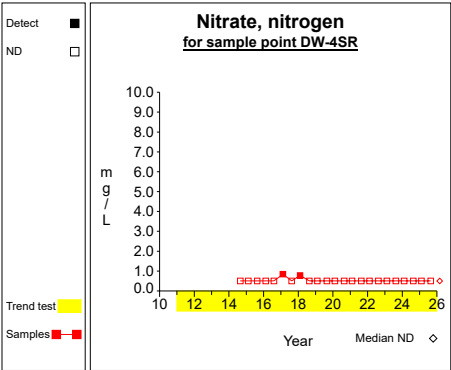
Graph 196



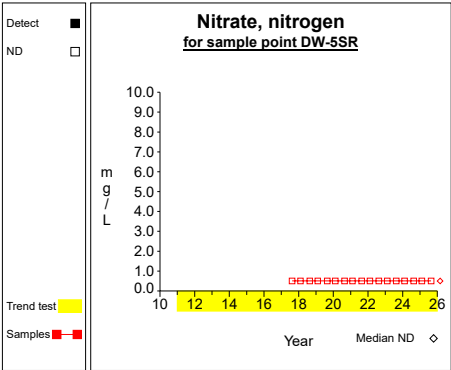
Graph 197



Graph 198

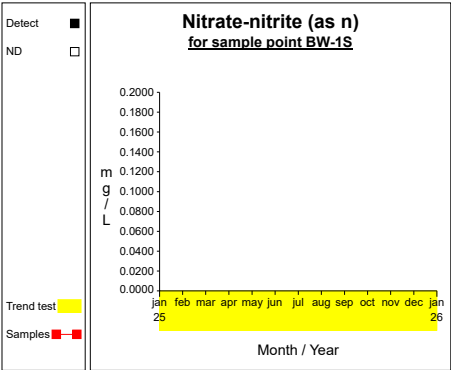


Graph 199

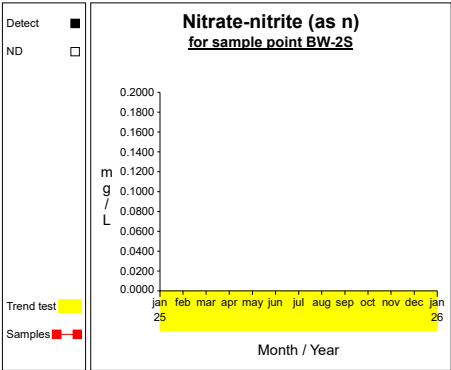


Graph 200

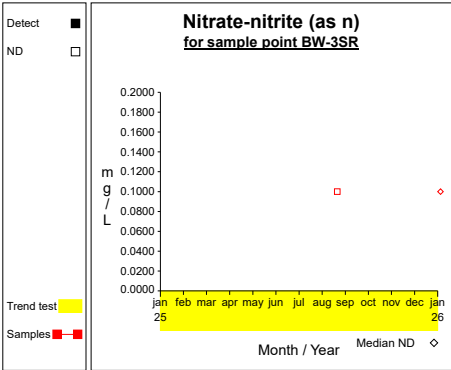
Time Series



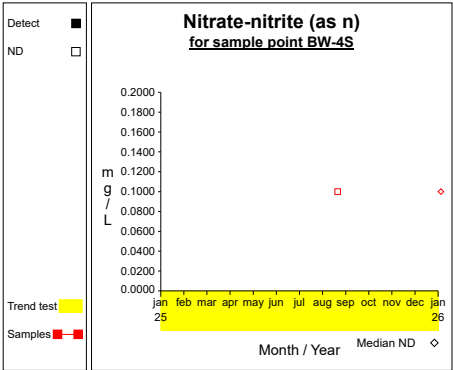
Graph 201



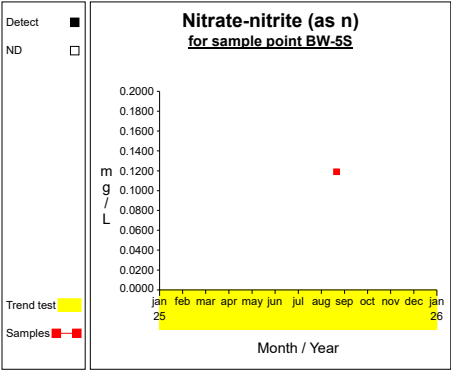
Graph 202



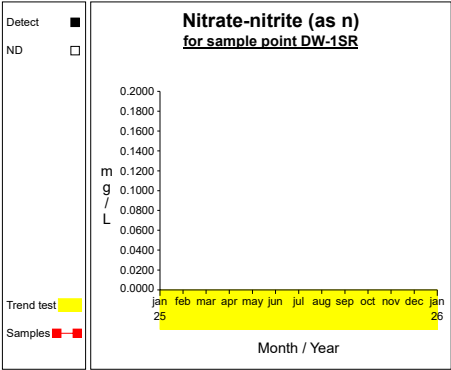
Graph 203



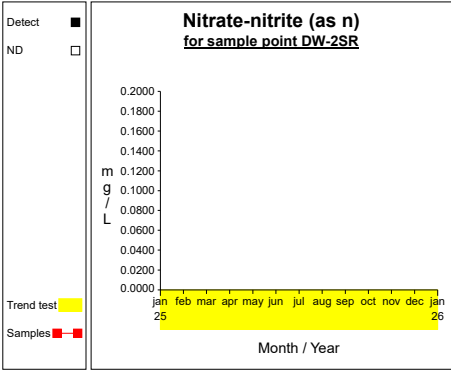
Graph 204



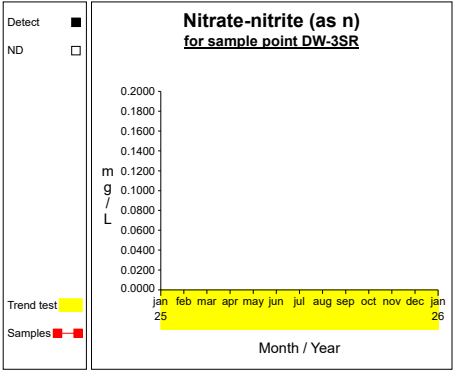
Graph 205



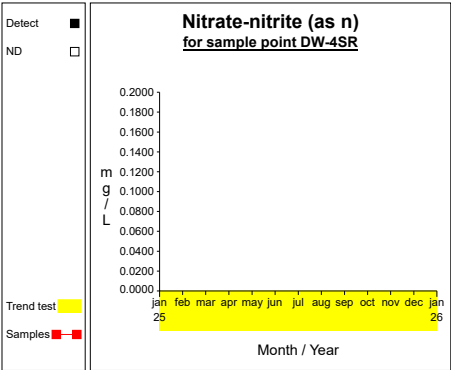
Graph 206



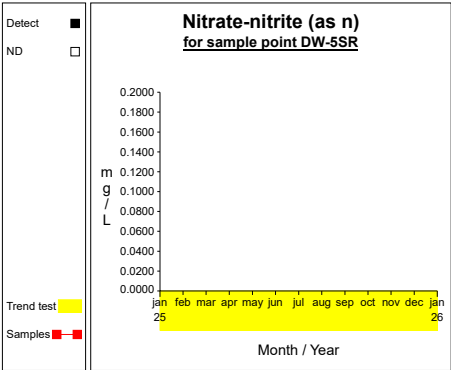
Graph 207



Graph 208

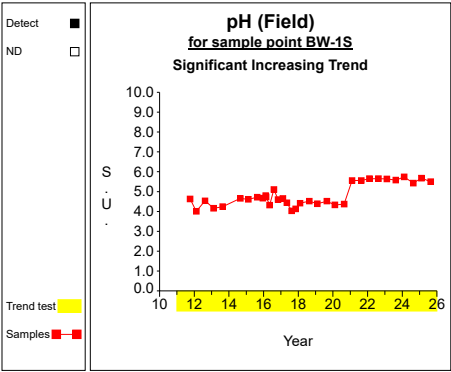


Graph 209

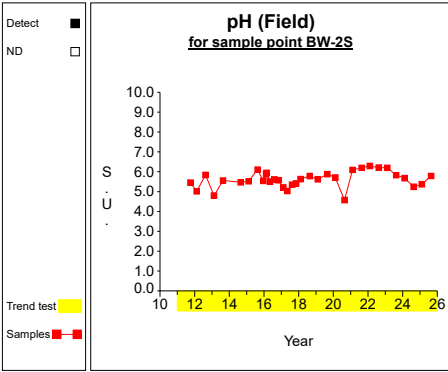


Graph 210

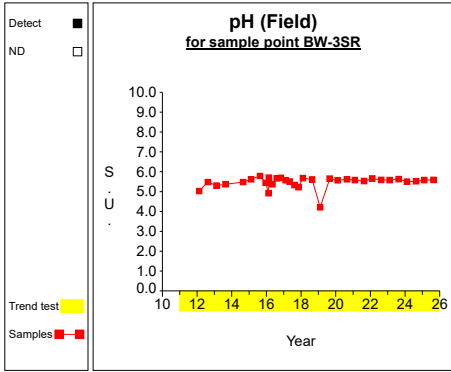
Time Series



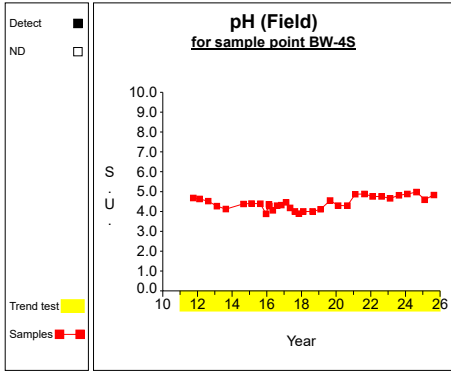
Graph 211



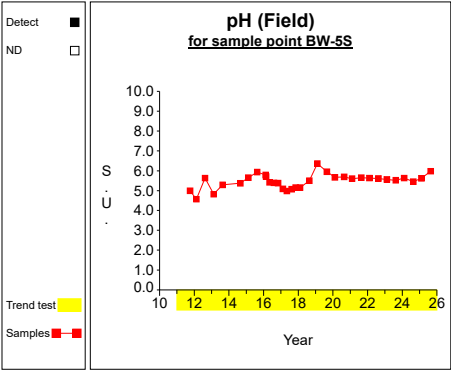
Graph 212



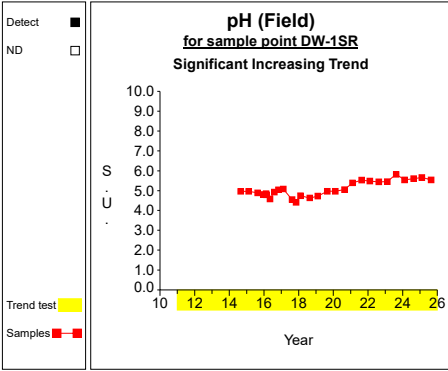
Graph 213



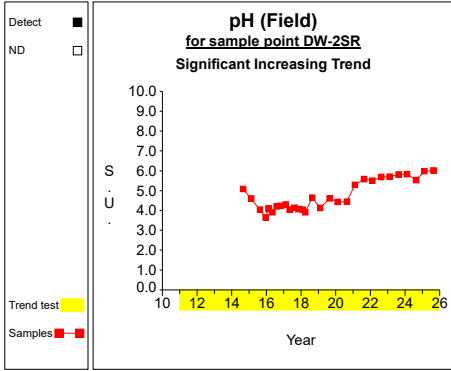
Graph 214



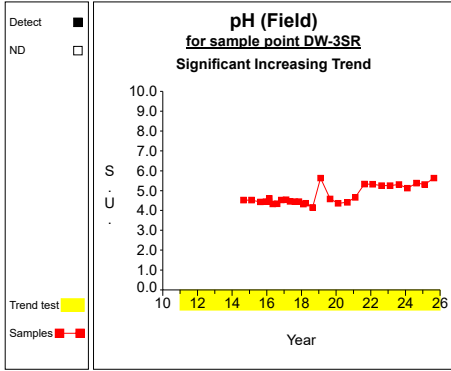
Graph 215



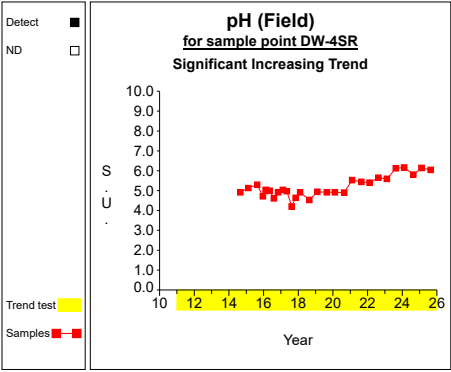
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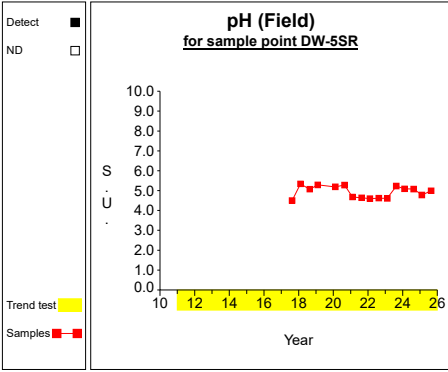
Graph 217



Graph 218

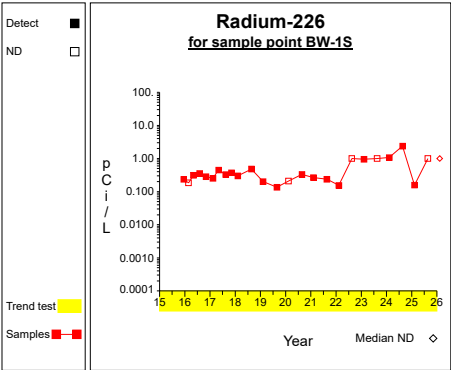


Graph 219

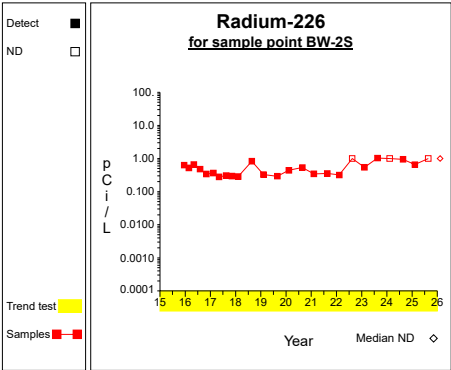


Graph 220

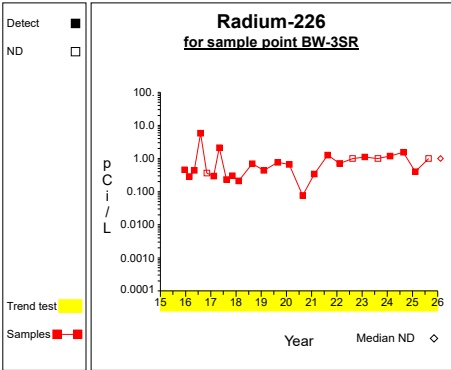
Time Series



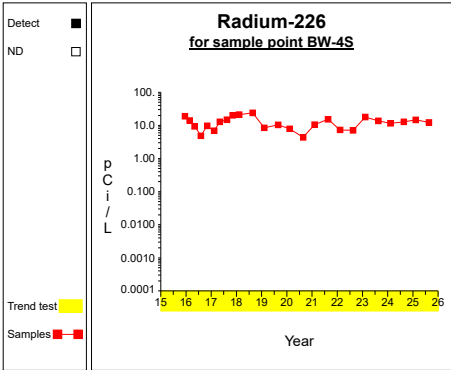
Graph 221



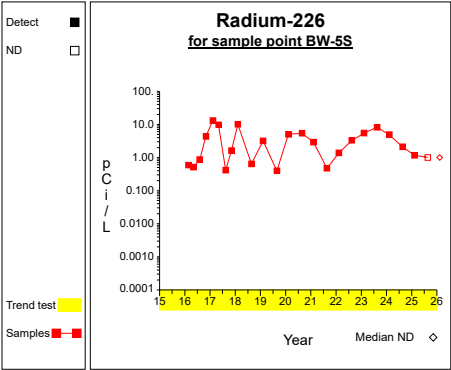
Graph 222



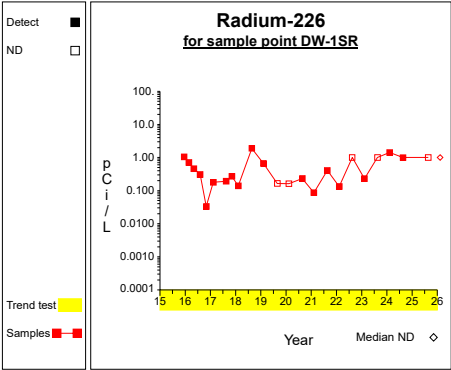
Graph 223



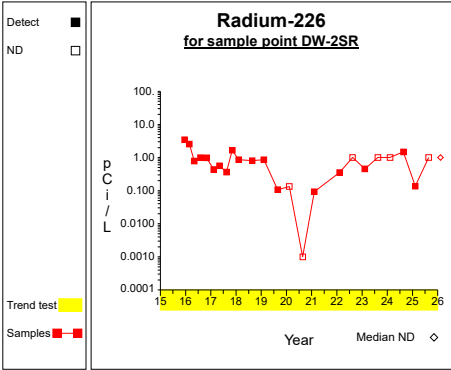
Graph 224



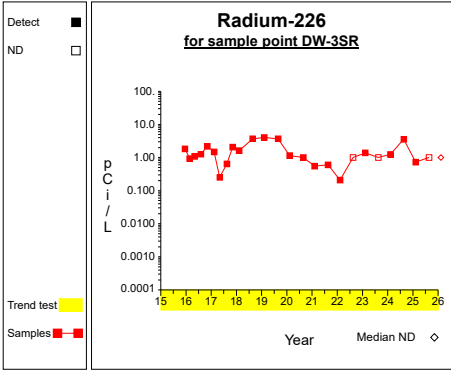
Graph 225



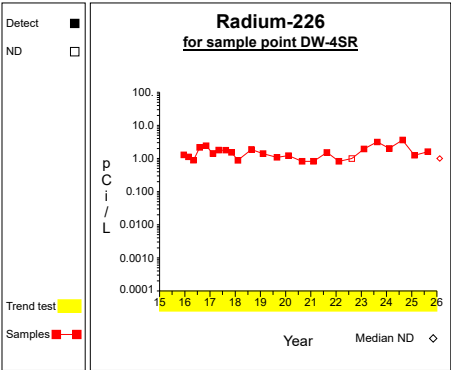
Graph 226



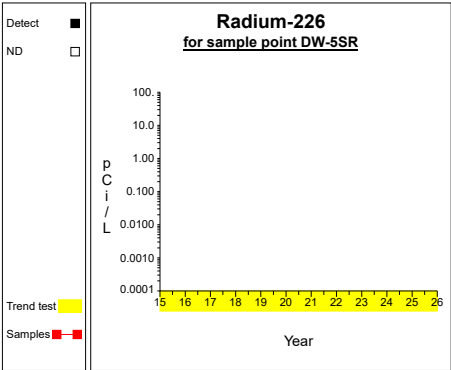
Graph 227



Graph 228

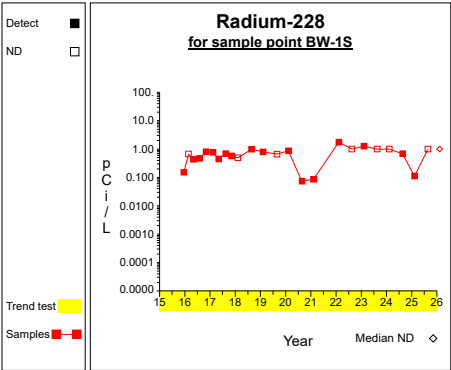


Graph 229

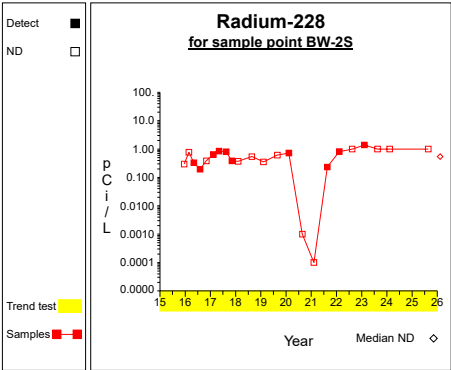


Graph 230

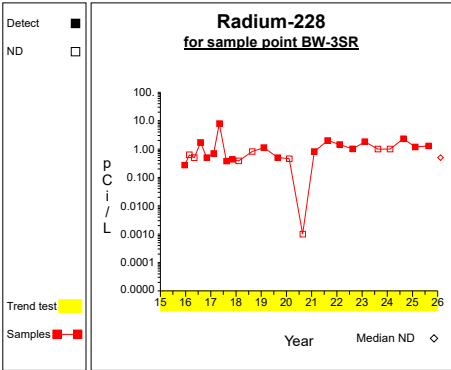
Time Series



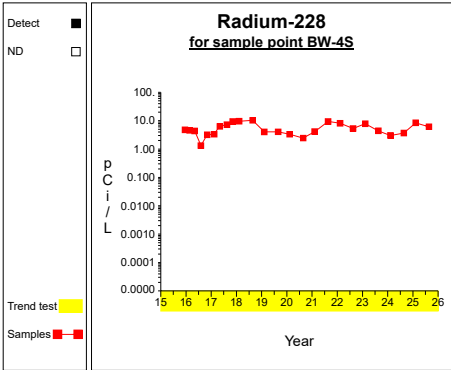
Graph 231



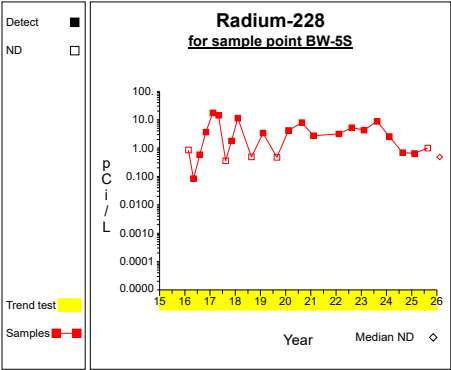
Graph 232



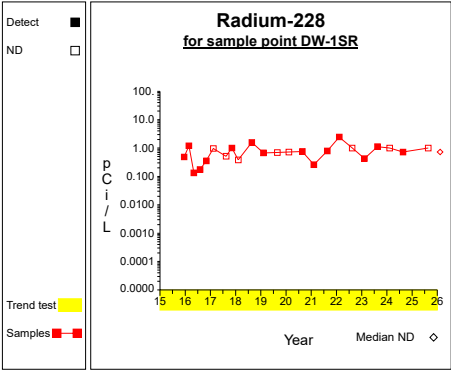
Graph 233



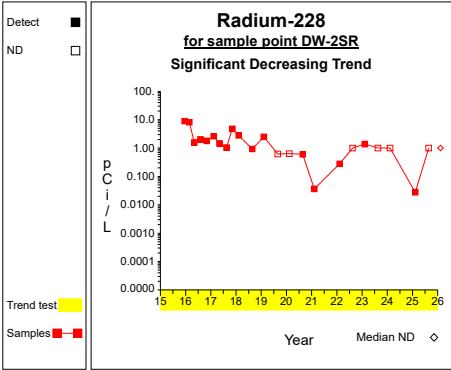
Graph 234



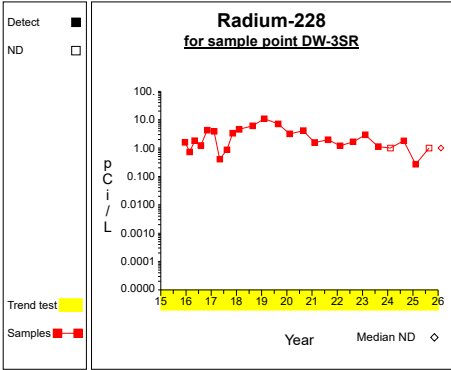
Graph 235



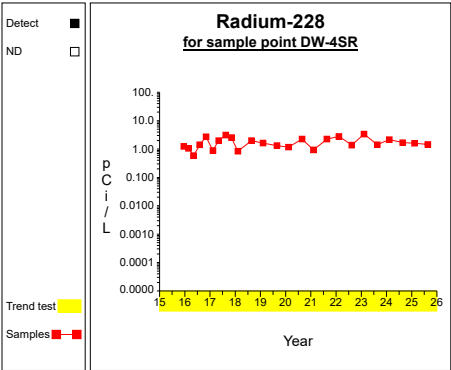
Graph 236



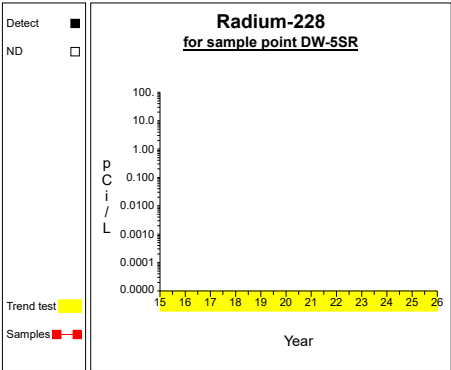
Graph 237



Graph 238

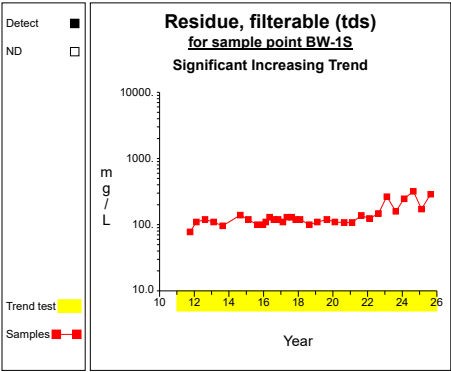


Graph 239

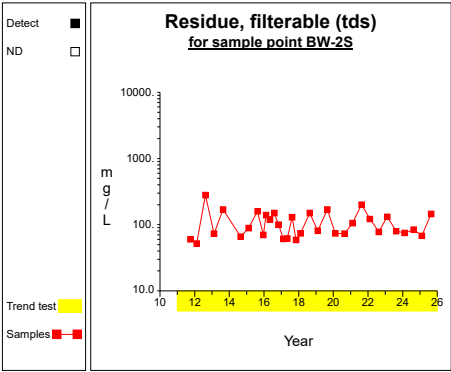


Graph 240

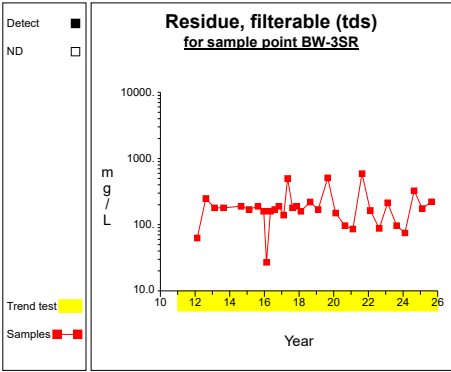
Time Series



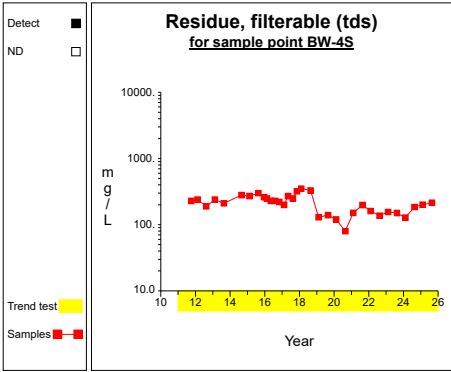
Graph 241



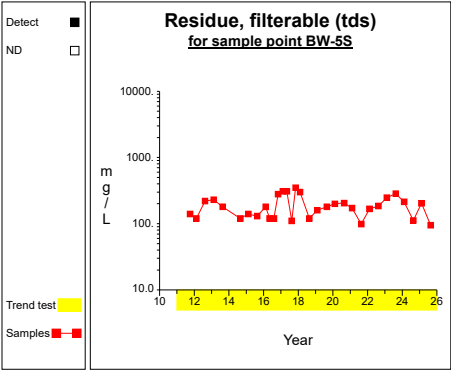
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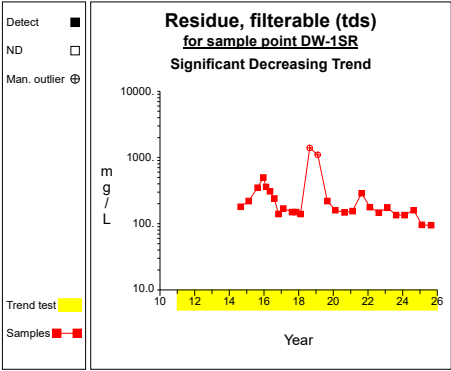
Graph 243



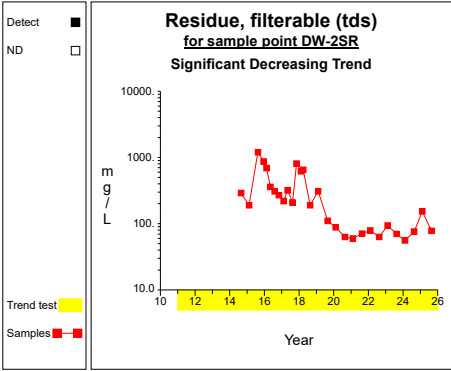
Graph 244



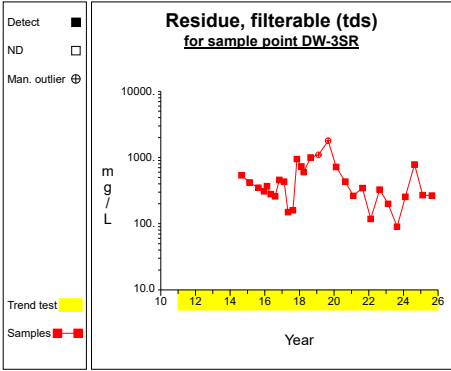
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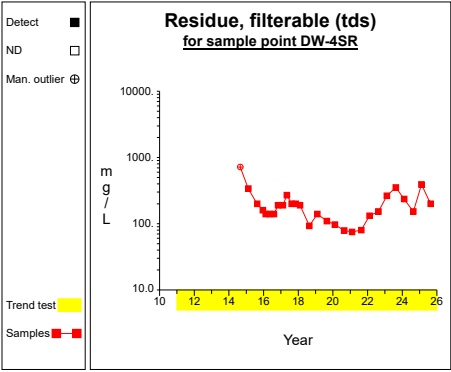
Graph 246



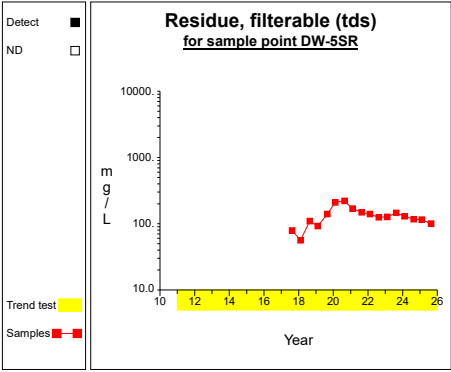
Graph 247



Graph 248

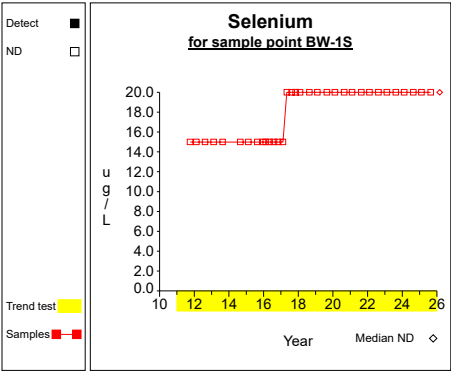


Graph 249

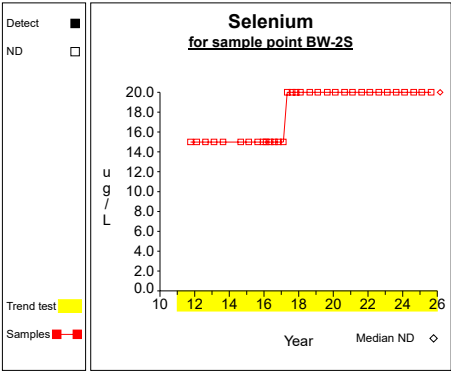


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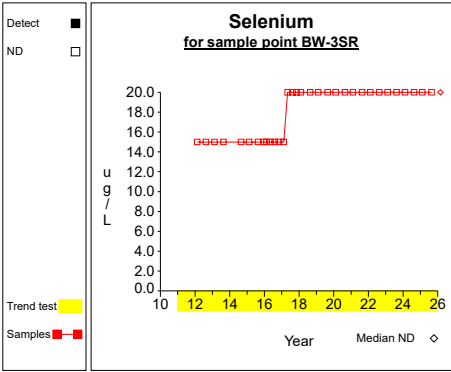
Time Series



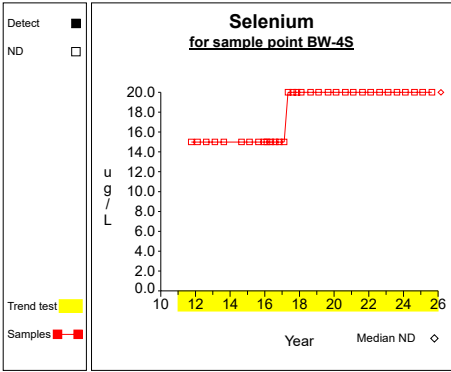
Graph 251



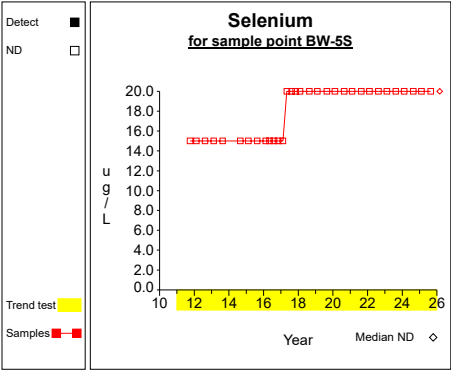
Graph 252



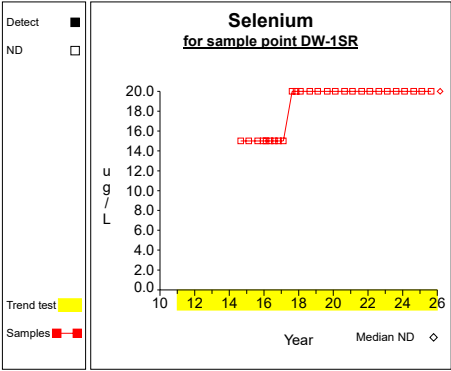
Graph 253



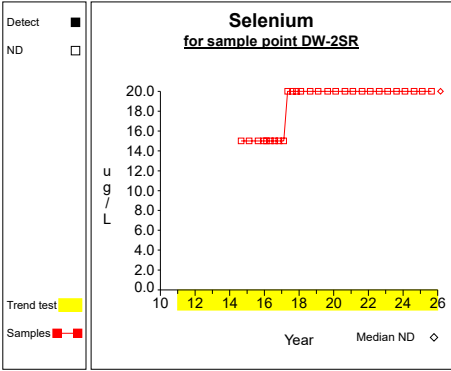
Graph 254



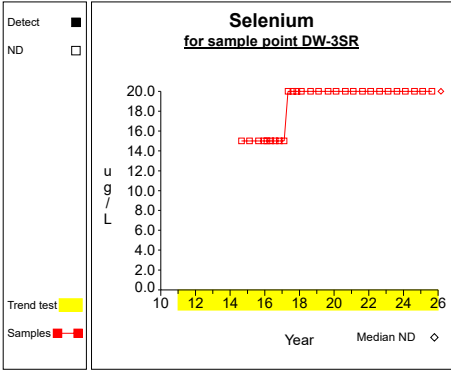
Graph 255



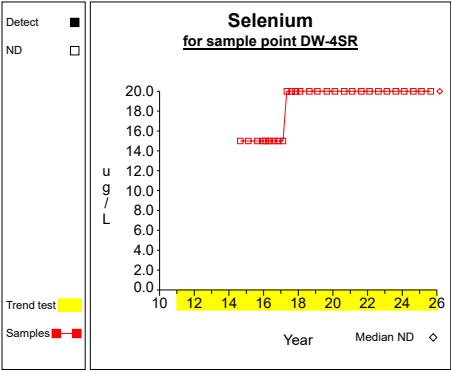
Graph 256



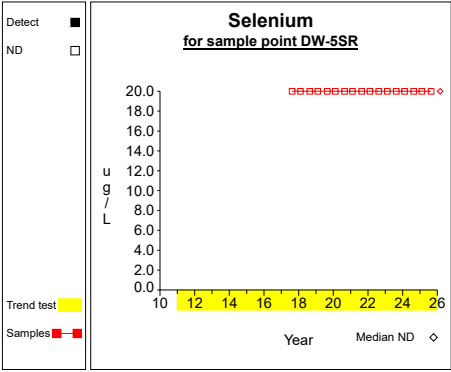
Graph 257



Graph 258

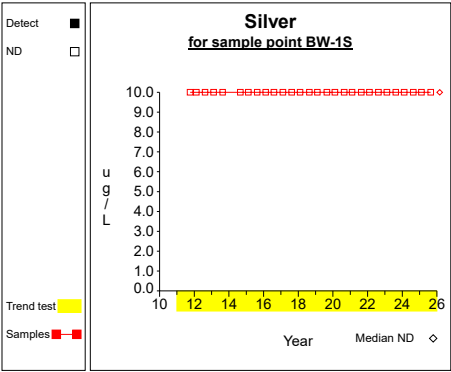


Graph 259

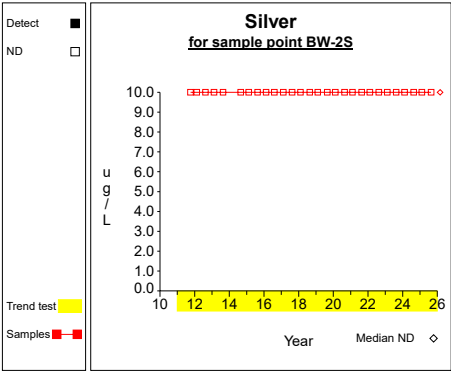


Graph 260

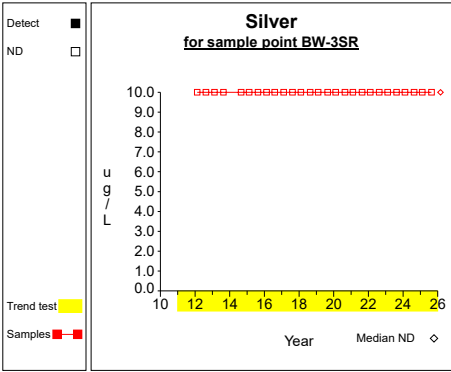
Time Series



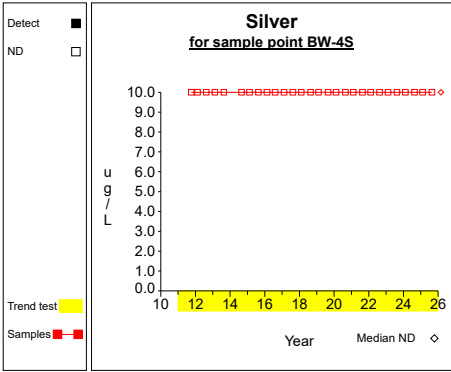
Graph 261



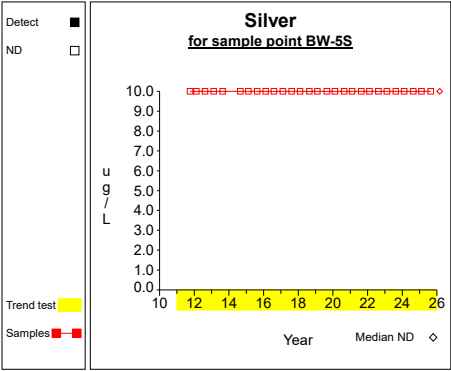
Graph 262



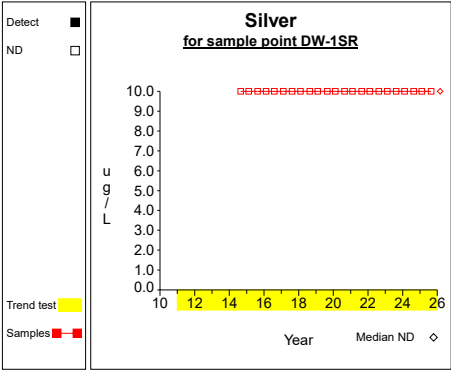
Graph 263



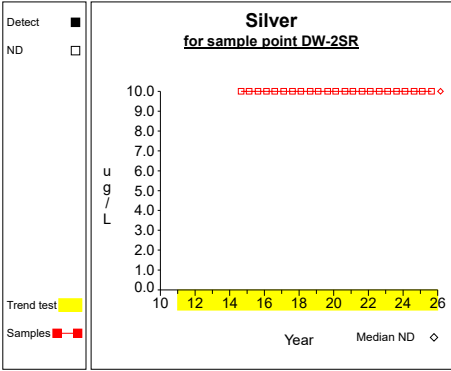
Graph 264



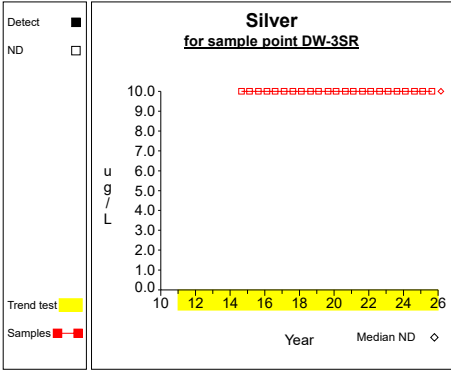
Graph 265



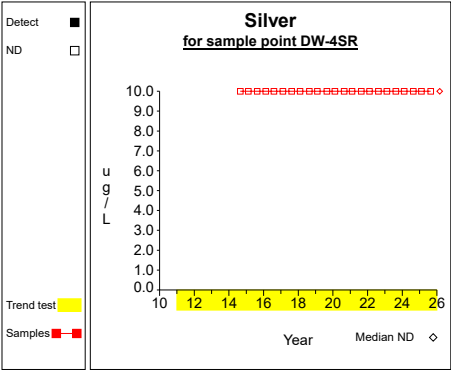
Graph 266



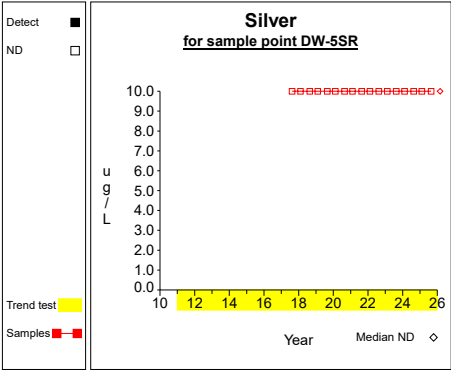
Graph 267



Graph 268

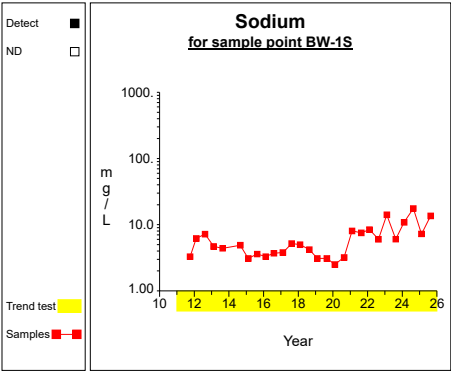


Graph 269

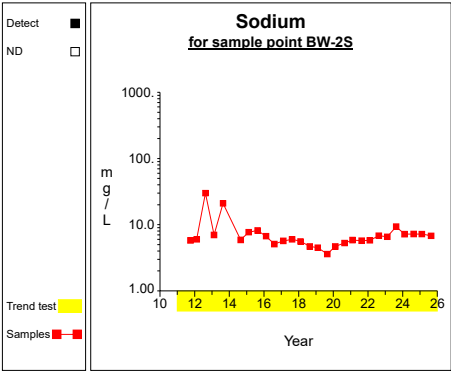


Graph 270

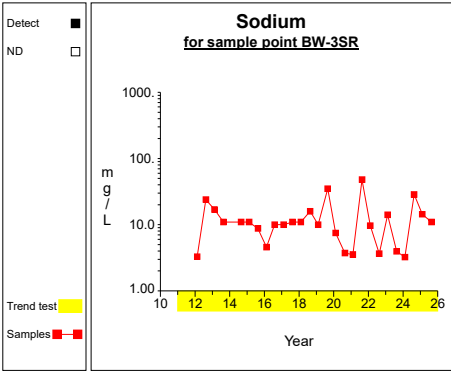
Time Series



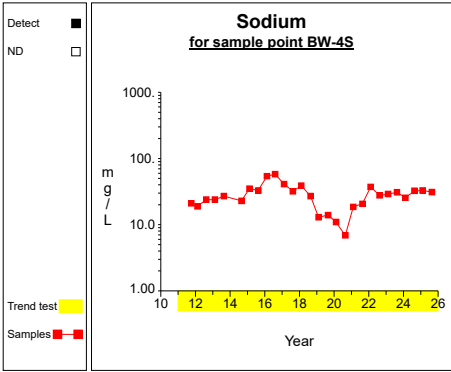
Graph 271



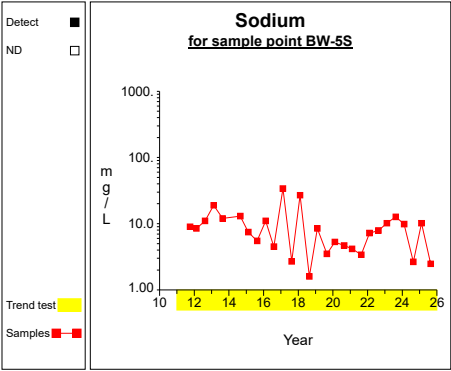
Graph 272



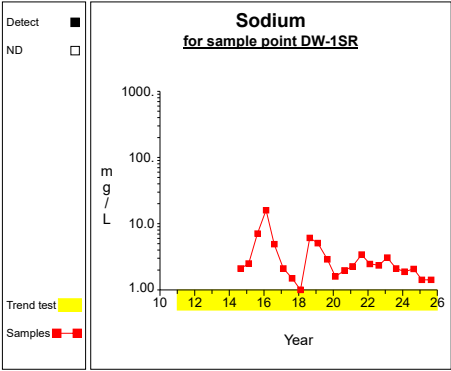
Graph 273



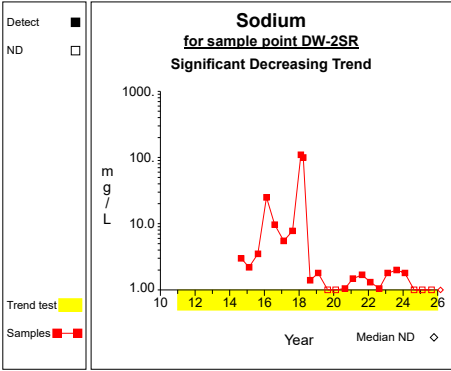
Graph 274



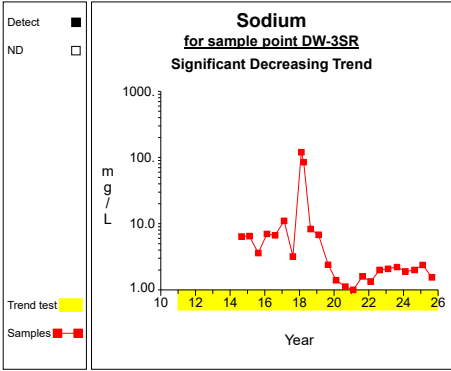
Graph 275



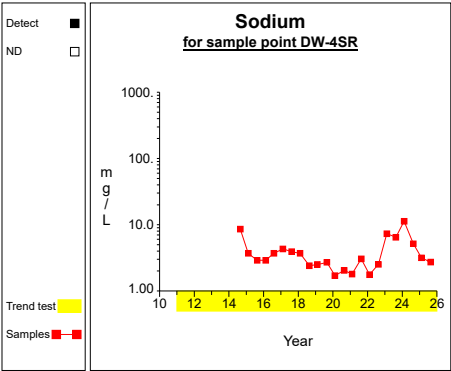
Graph 276



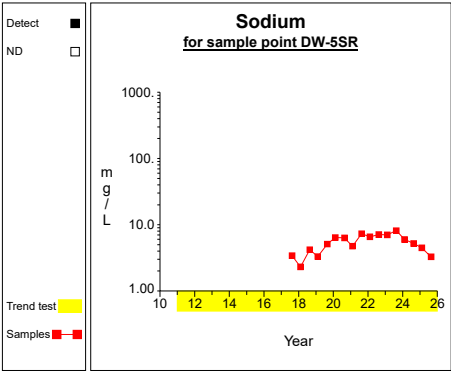
Graph 277



Graph 278

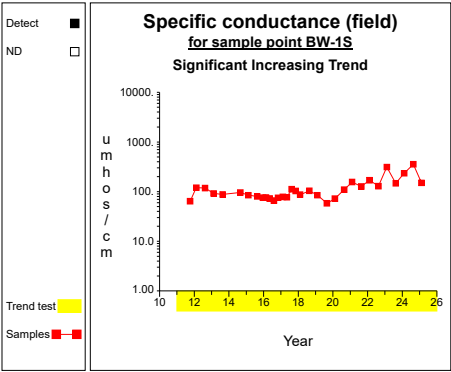


Graph 279

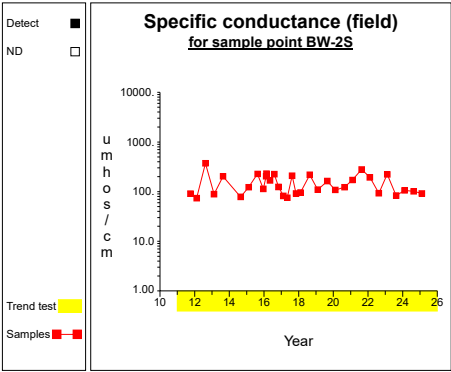


Graph 280

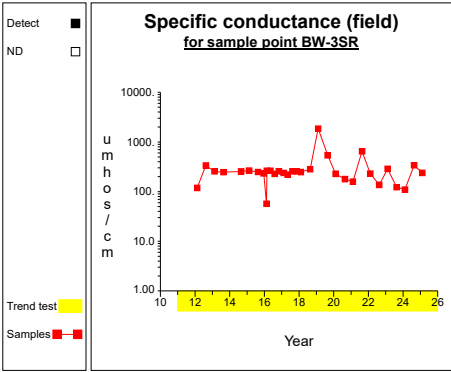
Time Series



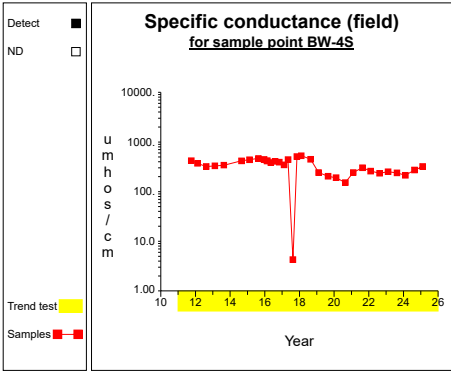
Graph 281



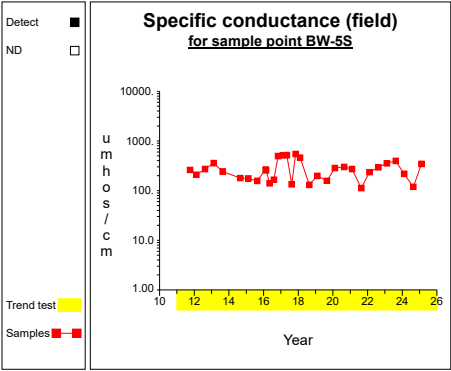
Graph 282



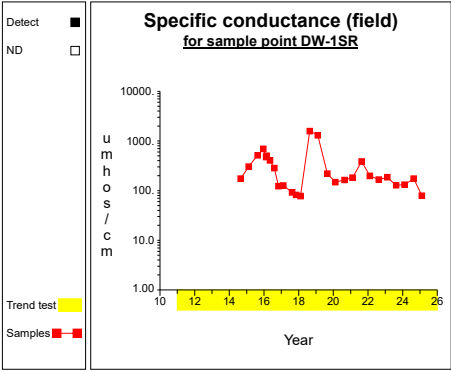
Graph 283



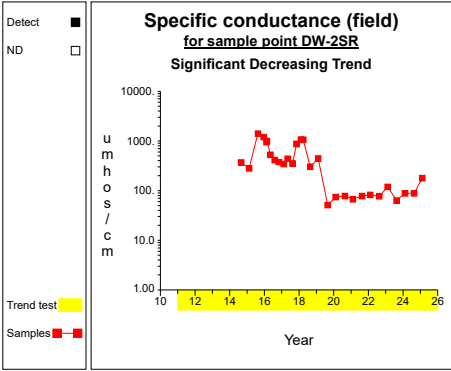
Graph 284



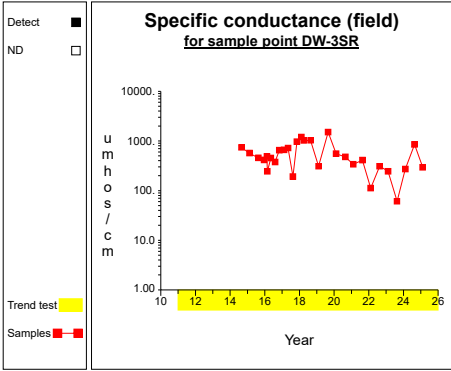
Graph 285



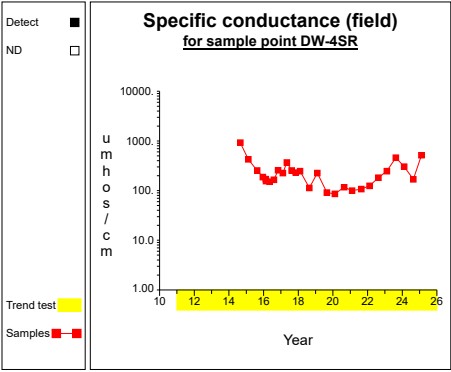
Graph 286



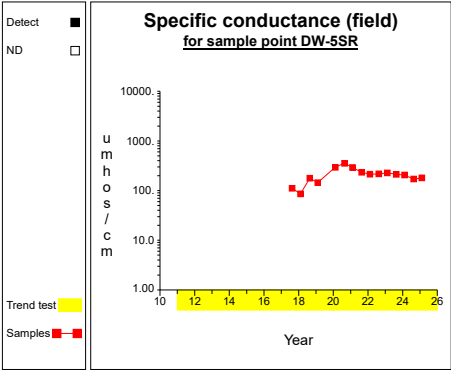
Graph 287



Graph 288

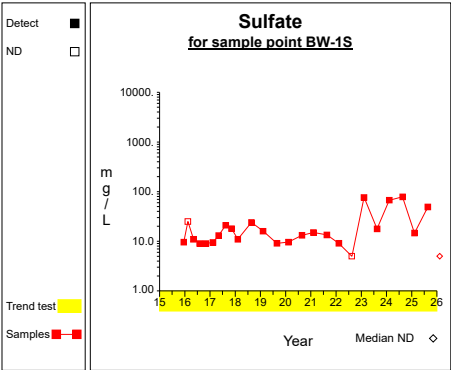


Graph 289

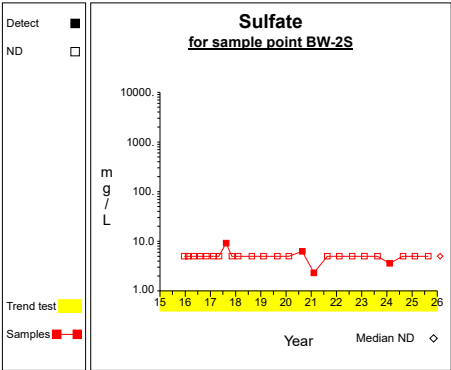


Graph 290

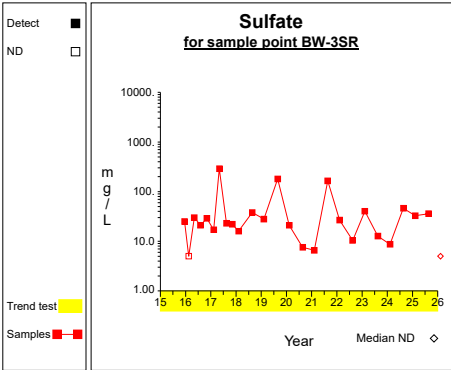
Time Series



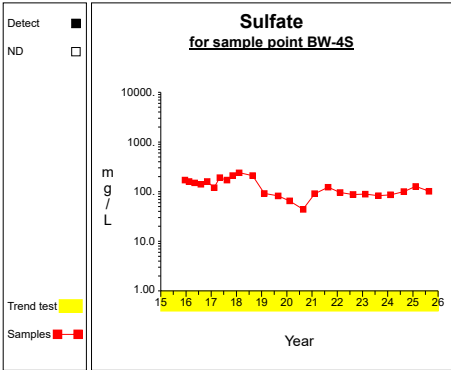
Graph 291



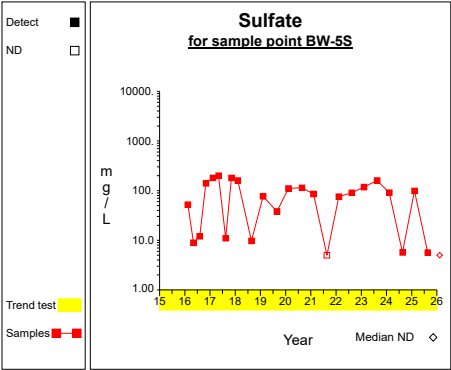
Graph 292



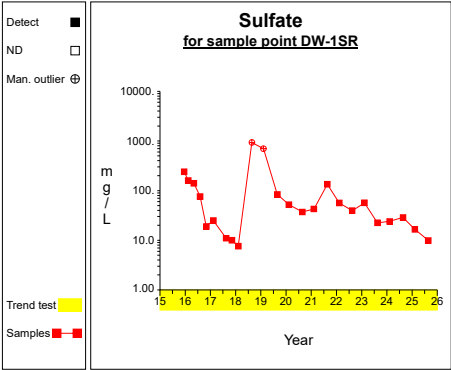
Graph 293



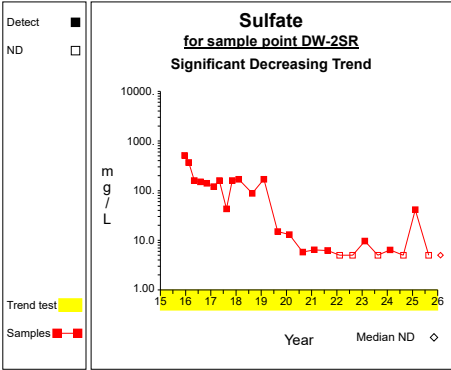
Graph 294



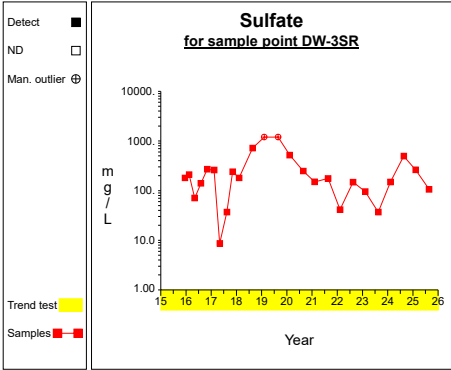
Graph 295



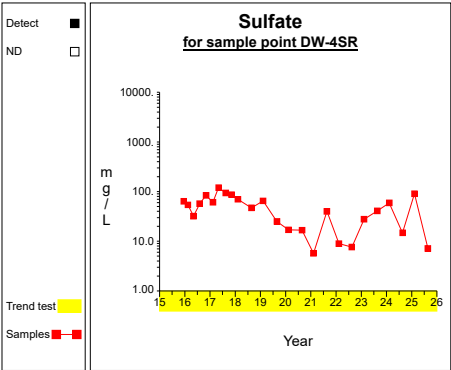
Graph 296



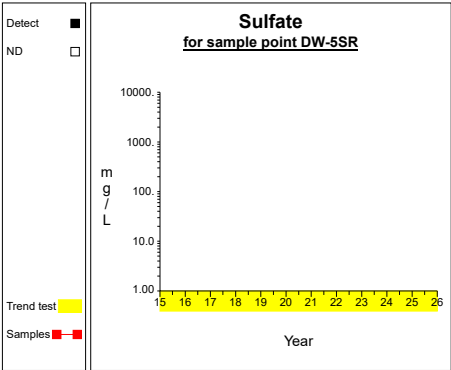
Graph 297



Graph 298

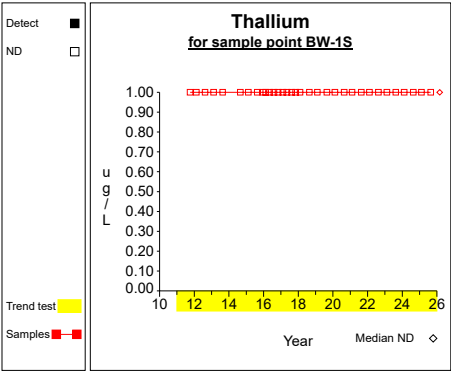


Graph 299

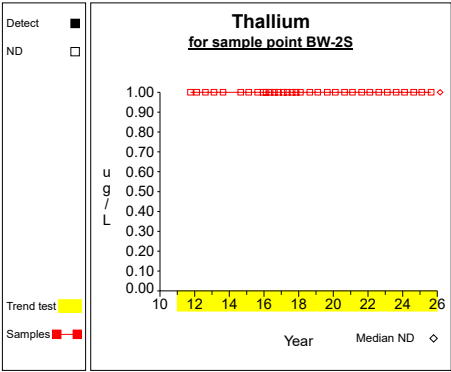


Graph 300

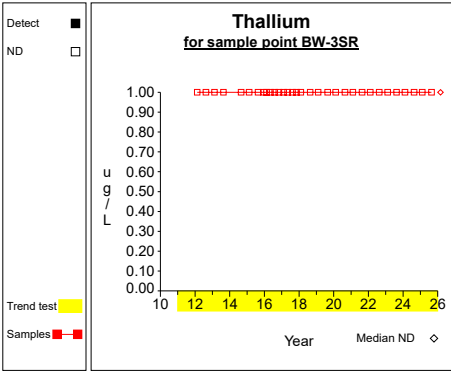
Time Series



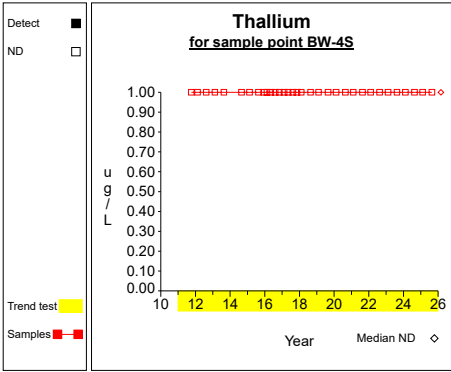
Graph 301



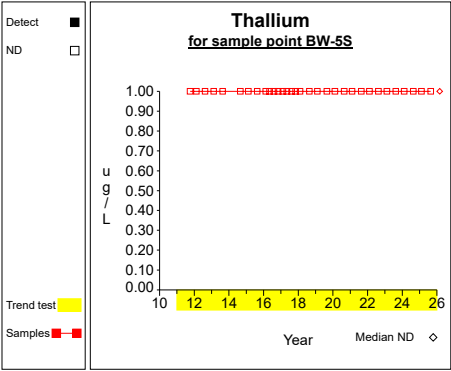
Graph 302



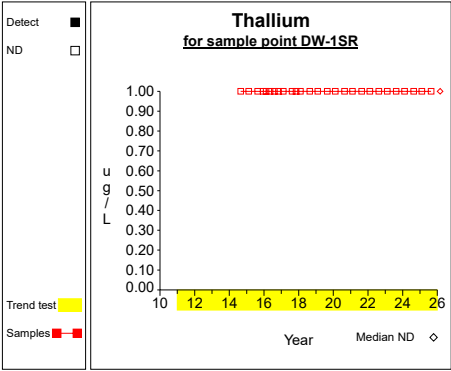
Graph 303



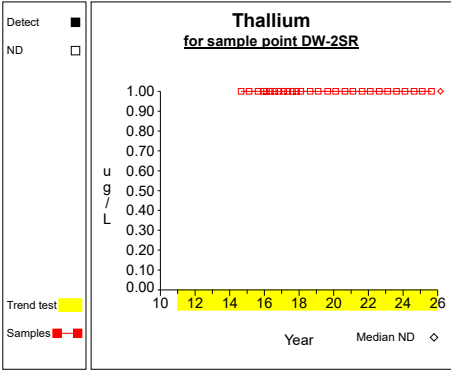
Graph 304



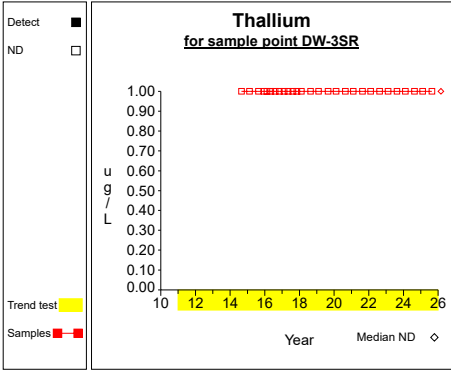
Graph 305



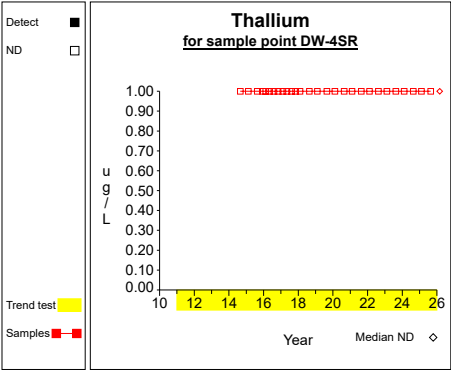
Graph 306



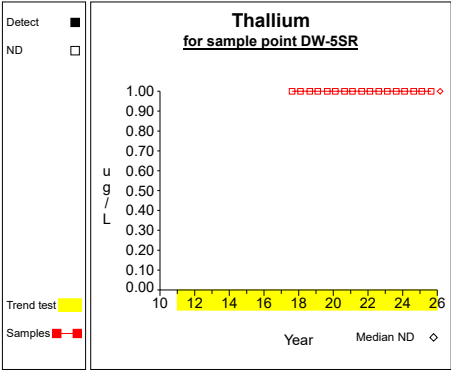
Graph 307



Graph 308

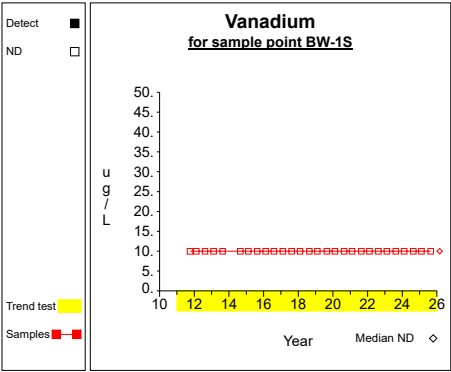


Graph 309

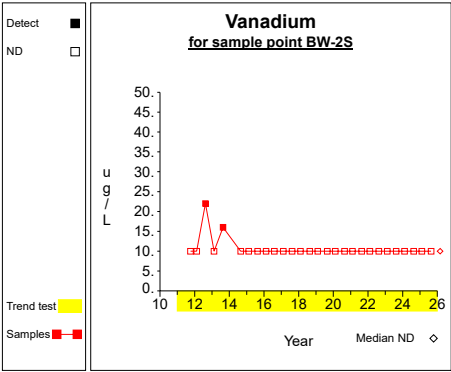


Graph 310

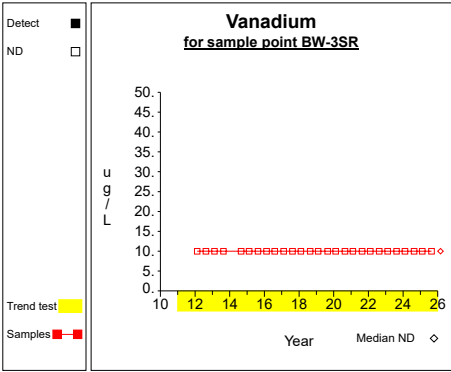
Time Series



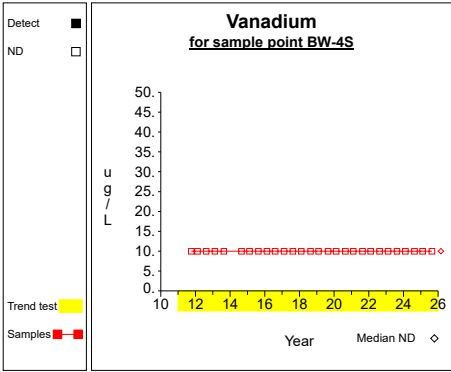
Graph 311



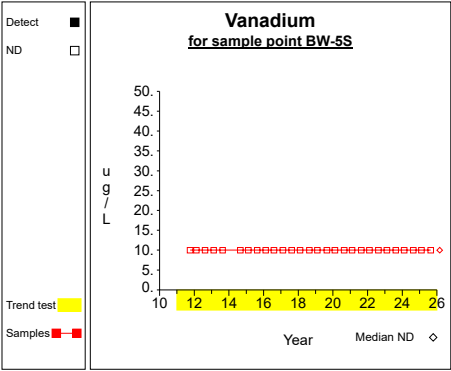
Graph 312



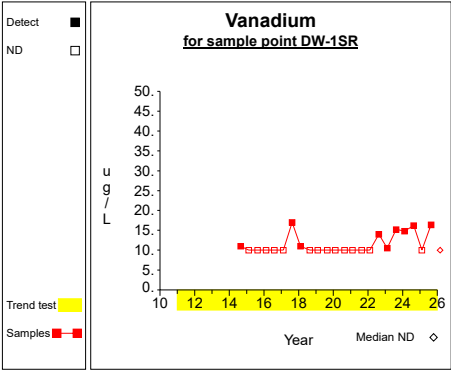
Graph 313



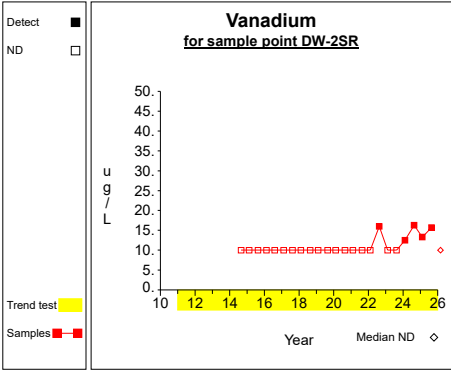
Graph 314



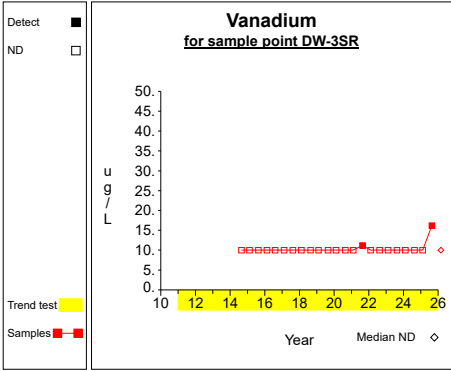
Graph 315



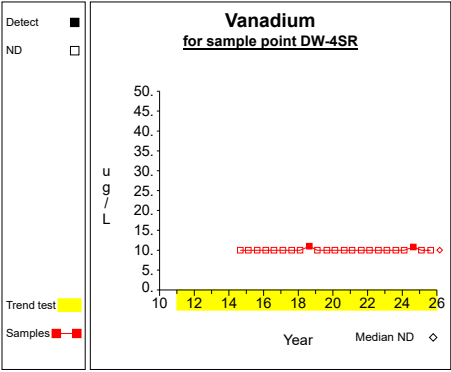
Graph 316



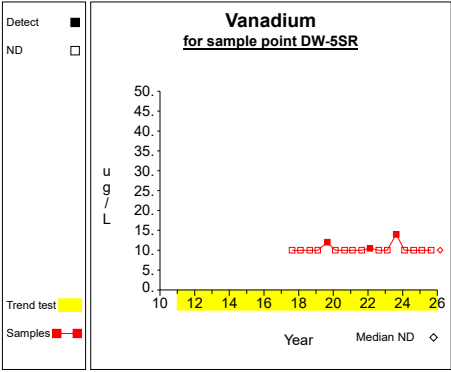
Graph 317



Graph 318

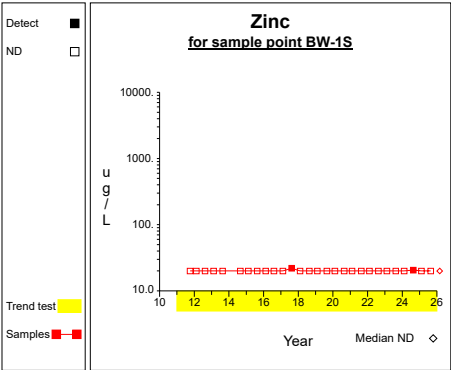


Graph 319

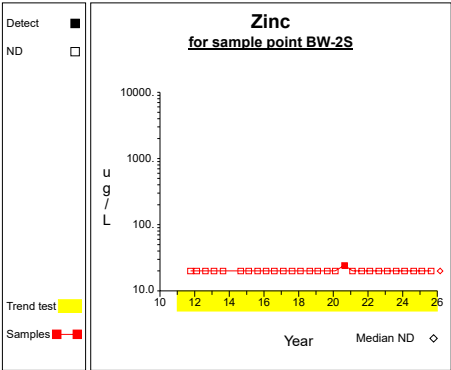


Graph 320

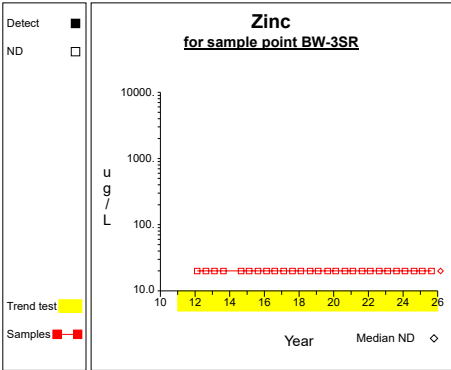
Time Series



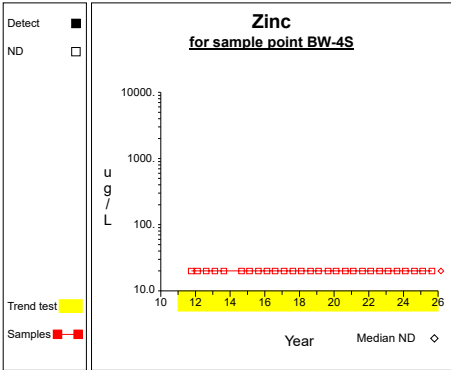
Graph 321



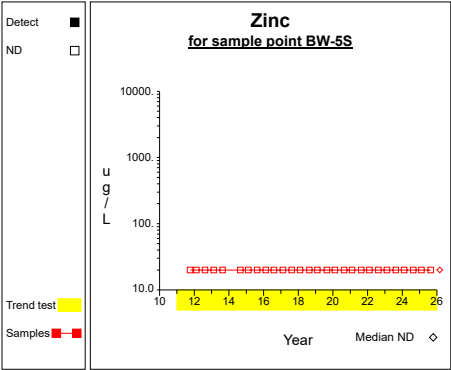
Graph 322



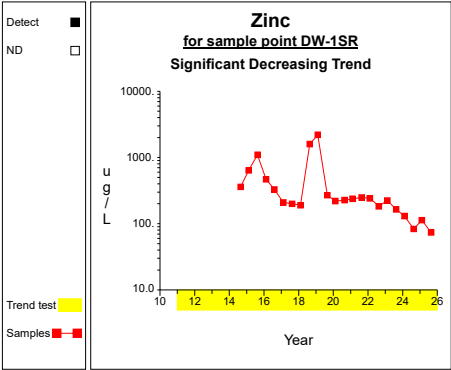
Graph 323



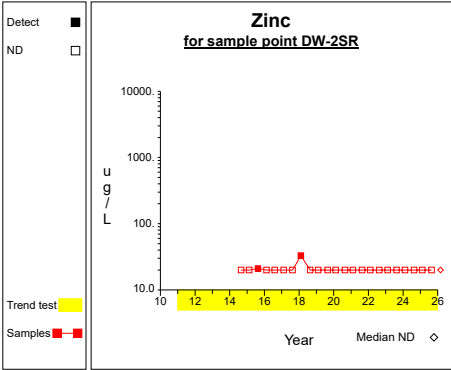
Graph 324



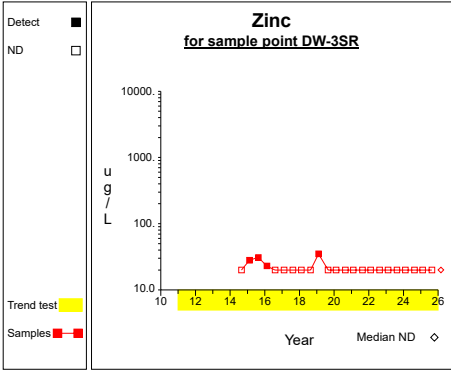
Graph 325



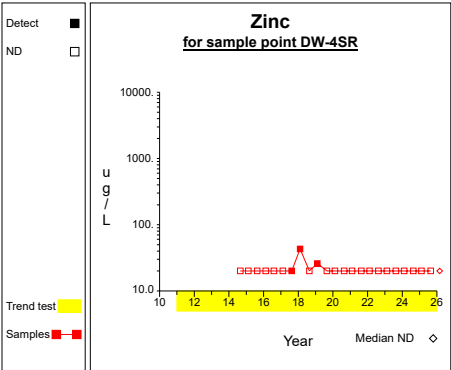
Graph 326



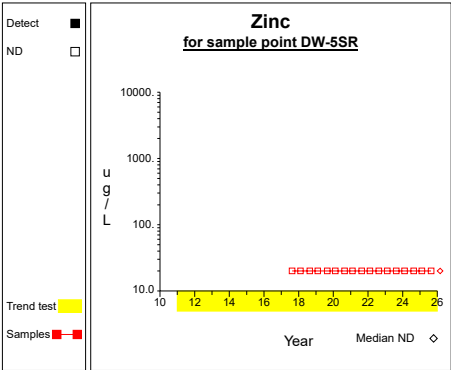
Graph 327



Graph 328



Graph 329



Graph 330