



2018 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

EPA CCR RULE COMPLIANCE

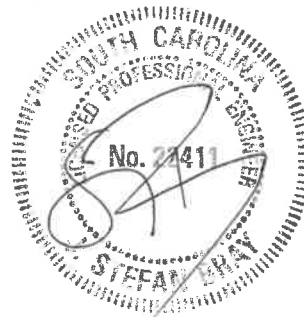
SOUTH CAROLINA ELECTRIC & GAS: Wateree Station: Ash Pond

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1.0 INTRODUCTION

This document presents the *2018 Annual Groundwater Monitoring and Corrective Action* report for the Ash Pond at South Carolina Electric & Gas (SCE&G) Wateree Generating Station in Wateree, Richland County, South Carolina in accordance with 40 CFR Part 257.90 (e). The Ash Pond is a coal combustion residuals (CCR) handling facility as defined by the US Environmental Protection Agency (EPA) CCR Rule (40 CFR Part 257.93).

This report presents the following information as required under 40 CFR Part 257.90 (e):

1. A facility map (aerial image) showing the Class 3 landfill and all background (or upgradient) and downgradient monitoring wells, including the well identification numbers, that are part of the groundwater monitoring program for the landfill;
2. Identification of additional monitoring wells that were installed during 2018, along with a narrative description of why the wells were installed;
3. In addition to all the monitoring data obtained under §§ 257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;
4. A narrative discussion of transitions between monitoring programs (*e.g.*, the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and
5. Other information required to be included in the annual report as specified in Parts 257.90 through 257.98 of the CCR Rule.

The following sections present the components of the annual report.



2.0 GROUNDWATER MONITORING WELL SYSTEM

Five Type II groundwater monitoring wells (designated MW-AP-01 through MW-AP-05) were installed and developed at Wateree Station Ash Pond in March 2016 to serve as EPA CCR Rule Compliance monitoring wells. Rising head permeability (slug) tests were conducted at the new monitoring wells, as well as at existing monitoring wells MW-AP-01A and MW-AP-08, in May 2016. A site location map is presented as **Figure 1** and a site map showing the locations and designations of the monitoring wells at Wateree Station is presented as **Figure 2**. A South Carolina licensed well driller with Terracon, Inc. of Columbia, South Carolina (SC License #2116) performed the drilling and monitoring well installations. A South Carolina registered surveyor from the GEL Group, Inc. of Charleston, South Carolina (ELS SC license #15513) surveyed the monitoring wells for horizontal position, ground surface elevation and top of PVC pipe elevation.

The five Type II groundwater monitoring wells were installed to monitor groundwater quality in the vicinity of the Ash Pond in compliance with the groundwater monitoring requirements of the US EPA CCR Rule (40 CFR Part 257.93). In addition, existing monitoring wells MW-AP-01A and MW-AP-08, which are also used for NPDES and South Carolina Department of Health and Environmental Control (SCDHEC) groundwater monitoring compliance for the Ash Pond, are included as part of the monitoring well network for groundwater monitoring, as is monitoring well MW-FGD-01, which is used for EPA CCR Rule compliance monitoring of groundwater quality for the facility FGD Pond. Monitoring wells MW-AP-01A and MW-FGD-01 serve as up-gradient wells to monitor the quality of background groundwater in the surficial aquifer entering the area of the Ash Pond. The remaining monitoring wells (MW-AP-01 through MW-AP-05, and MW-AP-08) serve as down gradient wells to monitor the quality of groundwater down gradient of the Ash Pond.

The results of the September 2017 Detection Monitoring event indicated statistically significant increases in the concentrations of multiple EPA CCR Rule Appendix III constituents relative to background concentrations in groundwater at all down gradient compliance monitoring wells. Consequently, in accordance with 40 CFR Part 257.95, SCE&G conducted Assessment Monitoring at all EPA CCR Rule monitoring wells associated with the Ash Pond in March, June and September 2018 and established groundwater protection standards (GPS) for all detected EPA CCR Rule Appendix IV constituents. A notification of exceedance of the GPS based on the Assessment



Monitoring event conducted in March 2018 was placed in the facility operating record on October 17, 2018, in which arsenic and lithium were identified as constituents exceeding the GPS.

In accordance with the requirements of 40 CFR Part 257.95 (g)(1), a characterization of the nature and extent of the release of arsenic and lithium to groundwater was initiated in November 2018 (Release Characterization). As part of the Release Characterization, seven additional groundwater monitoring wells were installed in the vicinity of the Ash Pond in November and December 2018 to monitor groundwater quality and delineate the nature, extent and magnitude of the release of arsenic and lithium to groundwater. The additional monitoring wells included four shallow Type II wells, designated MW-AP-09, MW-AP-10, MW-AP-11 and MW-AP-12, and three deep Type III wells, designated MW-AP-03D, MW-AP-09D and MW-AP-11D. The Type III wells were installed immediately adjacent to the Type II sharing the same well number (e.g., MW-AP-03 and MW-AP-03D). The locations and designations of the additional groundwater monitoring wells installed at the site in November and December 2018 are shown in **Figure 2**. A South Carolina licensed well driller with Red Dog Drilling, LLC of Midland, North Carolina (SC License #1230) performed the drilling and monitoring well installations for monitoring wells MW-AP-03S, MW-AP-09, MW-AP-09D, MW-AP-10, MW-AP-11, MW-AP-11D and MW-AP-12. A South Carolina registered surveyor from Cox and Dinkins, Inc. of Columbia, South Carolina (ELS SC license #294) surveyed the monitoring wells for horizontal position, ground surface elevation and top of PVC pipe elevation.



3.0 GROUNDWATER MONITORING

3.1 Groundwater Sampling

In accordance with 40 CFR Part 257.95, the first round of Assessment Monitoring was conducted on March 5 and 6, 2018 and included groundwater sampling from monitoring wells MW-AP-01A, MW-FGD-01, MW-AP-01 through MW-AP-05, and MW-AP-08. One groundwater sample was collected from each of the monitoring wells during the Assessment Monitoring event. All groundwater samples collected from the monitoring wells for Assessment Monitoring in March 2018 were analyzed by South Carolina Certified laboratories (SCE&G Central Laboratory (Certification Number 32006) and GEL Laboratories, LLC (Certification Numbers 10120001 and 10120002) for the constituents listed in Appendix III and Appendix IV of the EPA CCR Rule (40 CFR Parts 257.50 through 257.107).

In accordance with 40CFR Part 257.95 (d)(1), a confirmatory round of Assessment Monitoring was conducted on June 4 and 5, 2018 and included groundwater sampling from monitoring wells MW-AP-01A, MW-FGD-01, MW-AP-01 through MW-AP-05, and MW-AP-08. One groundwater sample was collected from each of the monitoring wells during the Assessment Monitoring event. All groundwater samples collected from the monitoring wells for Assessment Monitoring in June 2018 were analyzed by South Carolina Certified laboratories (SCE&G Central Laboratory and GEL Laboratories, LLC) for the constituents listed in Appendix III and Appendix IV of the EPA CCR Rule (40 CFR Parts 257.50 through 257.107).

In accordance with 40 CFR Part 257.95, the second round of Assessment Monitoring was conducted on September 10, 2018 and included groundwater sampling from monitoring wells MW-AP-01A, MW-FGD-01, MW-AP-01 through MW-AP-05, and MW-AP-08. One groundwater sample was collected from each of the monitoring wells during the Assessment Monitoring event. All groundwater samples collected from the monitoring wells for Assessment Monitoring in September 2018 were analyzed by South Carolina Certified laboratories (SCE&G Central Laboratory and GEL Laboratories, LLC) for the constituents listed in Appendix III and Appendix IV of the EPA CCR Rule (40 CFR Parts 257.50 through 257.107).

3.2 Results of Field and Laboratory Analyses of Groundwater Samples

The results of the field and laboratory analyses of the groundwater samples collected from the monitoring wells during the Assessment Monitoring events conducted in March, June and September 2018, as well as the Release Characterization monitoring



conducted in December 2018, are presented **Appendix A**. Historical results of field and laboratory analyses of groundwater samples collected from the Ash Pond monitoring wells for EPA CCR Rule compliance monitoring, including the Assessment and Release Characterization groundwater quality monitoring conducted in 2018, are presented in **Table 1**. Groundwater Protection Standards (GPS) established for groundwater at the Ash Pond are indicated beneath the name of each CCR Rule Appendix IV constituent listed in **Table 1**. The results of statistical analyses of data from the Assessment Monitoring events conducted in 2018 are presented in **Appendix B**.

3.3 Release Characterization

In accordance with 40 CFR Part 257.95 (g)(1), an initial round of groundwater sampling was conducted as part of the Release Characterization (discussed in **Section 2.0**) on December 11 and 12, 2018 and included groundwater sampling from monitoring wells MW-AP-01A, MW-AP-01 through MW-AP-05, MW-AP-08 through MW-AP-12, MW-AP-03D, MW-AP-09D and MW-AP-11D. One groundwater sample was collected from each of the monitoring wells during the Release Characterization monitoring event.

Groundwater samples collected from monitoring wells MW-AP-01A, MW-AP-01 through MW-AP-05, and MW-AP-08 during the December 2018 Release Characterization monitoring event were analyzed by SCE&G Central Laboratory for the constituents listed in Appendix III of the EPA CCR Rule (40 CFR Parts 257.50 through 257.107), as well as total arsenic and total lithium. Groundwater samples collected from monitoring wells MW-AP-03D, MW-AP-09, MW-AP-09D, MW-AP-10, MW-AP-11, MW-AP-11D and MW-AP-12 during the December 2018 Release Characterization monitoring event were analyzed by SCE&G Central Laboratory for the constituents listed in Appendix III and Appendix IV of the EPA CCR Rule (40 CFR Parts 257.50 through 257.107), except Radium 226/228.

The results of the Release Characterization monitoring conducted in December 2018 indicate: 1) arsenic was detected at concentrations exceeding the GPS in groundwater of 10 µg/L at monitoring wells MW-AP-02, MW-AP-03, MW-AP-03D, MW-AP-04, MW-AP-09, MW-AP-09D, MW-AP-10, MW-AP-11, MW-AP-11D and MW-AP-12; 2) cobalt was detected at concentrations exceeding the GPS in groundwater of 6 µg/L at monitoring wells, MW-AP-09D and MW-AP-11D; and 3) lithium was detected at concentrations exceeding the GPS in groundwater of 40 µg/L at monitoring wells MW-AP-03 and MW-AP-10. No other CCR Rule Appendix IV constituents were detected in



groundwater at concentrations in excess of the associated GPS during the December 2018 Release Characterization monitoring.



4.0 KEY PROJECT ACTIVITIES FOR 2019

In 2019, the Release Characterization at the Ash Pond will be completed in accordance with 40 CFR Part 257.95 (g)(1). Based on the initial results of the Release Characterization groundwater quality monitoring completed in December 2018, it is anticipated that additional monitoring wells will need to be installed near the Ash Pond to complete delineation of the extent of arsenic in groundwater. It is further anticipated that the concentrations of arsenic, lithium, and possibly cobalt, detected in groundwater at certain monitoring wells during the December 2018 Release Characterization monitoring (and subsequent groundwater quality monitoring to be conducted in 2019) will be determined to be at statistically significant levels exceeding the corresponding GPS. Consequently, an Assessment of Corrective Measures (ACM) will be initiated and completed in 2019 in accordance with 40 CFR Part 257.96. Moreover, a public meeting will be held subsequent to placing the ACM report in the facility operating record to discuss the results of the ACM with interested and affected parties. Following the public meeting, a remedy will be selected for addressing groundwater contamination at the Ash Pond, and a final report will be prepared describing the selected remedy and how it meets the standards set forth in 40 CFR Part 257.97 (b). Implementation of the corrective action program may be initiated in 2019 depending on the length of time required to complete the preceding steps in the process leading to corrective action implementation.

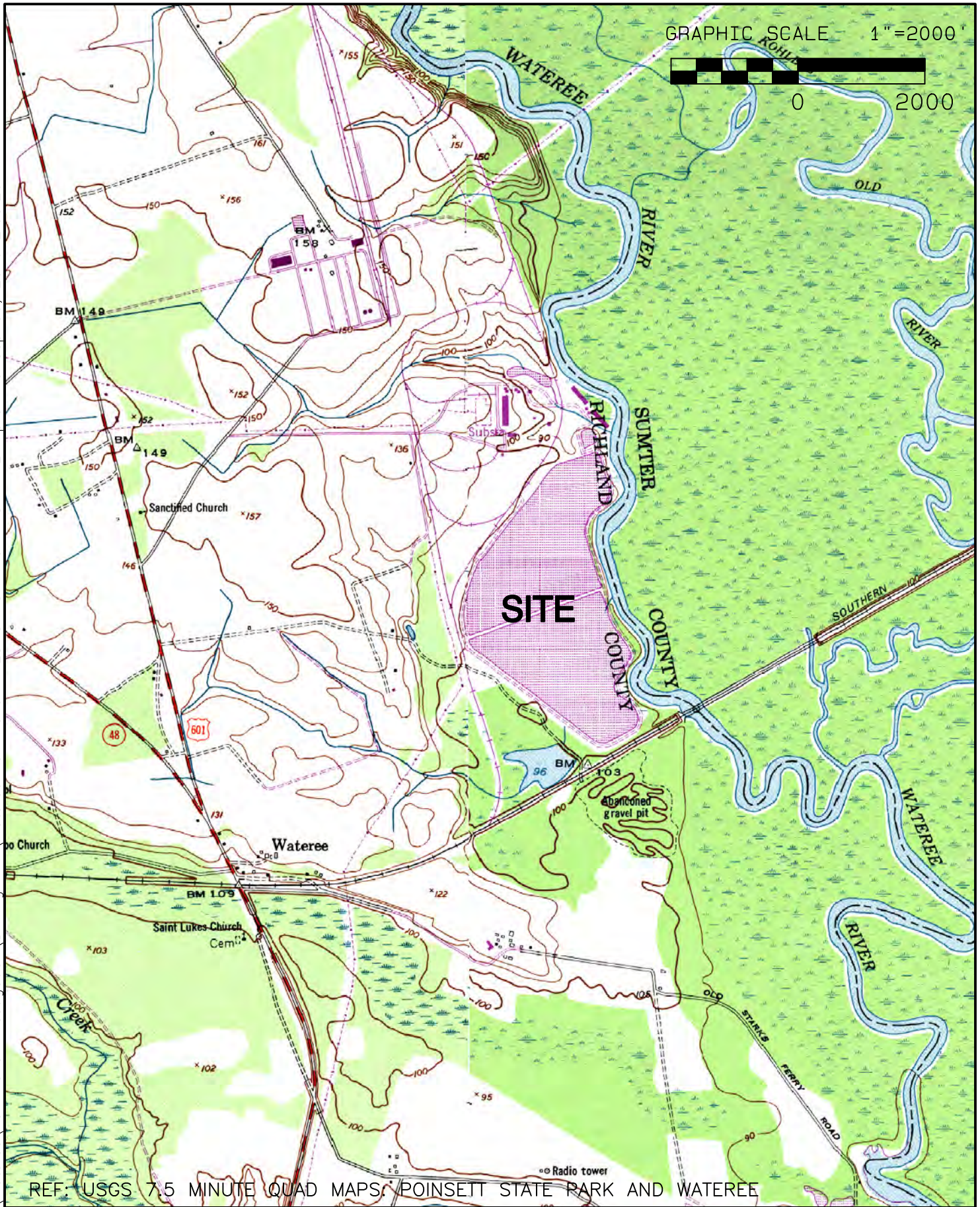
Assessment Monitoring will continue in 2019. Two rounds of Assessment Monitoring will be completed during March and September 2019 with groundwater samples being collected from monitoring wells MW-AP-01A, MW-FGD-01, MW-AP-01 through MW-AP-05, MW-AP-08 through MW-AP-12, MW-AP-03D, MW-AP-09D and MW-AP-11D.

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GARRETT & MOORE
Engineering for the Power and Waste Industries

SCE&G
WATREEE STATION
SITE LOCATION MAP

JOB

FIG

1

TABLE 1
RESULTS OF FIELD AND LABORATORY ANALYSES OF GROUNDWATER SAMPLES
EPA CCR RULE BACKGROUND AND COMPLIANCE GROUNDWATER MONITORING WELLS
Wateree Generating Station Ash Pond
Eastover, Richland County, South Carolina

Well ID	Groundwater Monitoring Indicator Parameters						40 CFR Part 257 Appendix III Detection Monitoring Parameters									40 CFR Part 257 Appendix IV Assessment Monitoring Constituents															
	Groundwater Elevation ft	ORP mV	DO mg/L	Specific conductance u mhos/cm	Temperature degrees C	Turbidity NTU	pH (lab) S.U.	pH (field) S.U.	Boron ug/L BG	Calcium ug/L BG	Chloride mg/L 250 mg/L	Fluoride mg/L 4 mg/L	Sulfate mg/L 250 mg/L	TDS mg/L 500 mg/L	Antimony ug/L 6 ug/L	Arsenic ug/L 10 ug/L	Barium ug/L 2000 ug/L	Beryllium ug/L 4 ug/L	Cadmium ug/L 5 ug/L	Chromium ug/L 100 ug/L	Cobalt ug/L 6 ug/L	Lead ug/L 15 ug/L	Lithium ug/L 40 ug/L	Mercury ug/L 2 ug/L	Molybdenum ug/L 100 ug/L	Radium 226 pCi/L 5 pCi/L	Radium 228 pCi/L 5 pCi/L	Radium 226 + 228 pCi/L 5 pCi/L	Selenium ug/L 50 ug/L	Thallium ug/L 2 ug/L	
Wateree Ash Pond																															
MW-AP-01A																															
5/11/16	115.56	198.5	3.4	51	20.89	0.7	4.82	4.74	1,000	781	5.64	0.033	0.5	32	1	1	55.8	1	1	1	1	1.2	2	0.2	5	1.15	1.93	3.08	5	1	
7/11/16	114.06	167.2	5.57	55	24.41	0.94	5.93	4.63	1,000	781	5.4	0.033	0.5	27	1	1	56.5	1	1	1	1	1.4	2	0.2	5	0.915	0.568	1.483	5	1	
9/19/16	114.19	179.4	5.21	47	25.61	1	5.8	4.45	1,000	721	5.35	0.0597	0.5	37	1	1	53.7	2	1	1	1	1.5	3	0.2	5	0.536	0.536	1.56	5	1	
11/15/16	113.69	293	3.97	58	20.17	1.3	4.66	4.81	1,000	732	5.41	0.0396	0.5	36	1	1	55.5	2	1	1	1	1.6	2	0.2	1	0.755	3.42	4.175	5	1	
1/17/17	115.37	172.7	4.11	42	19.27	2.18	4.72	4.63	1,000	678	4.93	0.0492	0.83	36	1	1.2	54.1	2	1	1	1	1.3	2	0.2	1	0.859	2.51	3.369	5	1	
3/20/17	114.39	174	4.6	40	18.68	9.5	5.5	4.45	1,000	1,510	4.77	0.033	0.5	26	1	1	56	2	1	1	1	1.6	2	0.2	1	0.664	0.979	1.643	5	1	
5/22/17	114.19	198.8	4.95	68	22.1	2.72	4.65	4.98	1,000	677	4.6	0.033	0.5	32	1	1	53.2	2	1	1	1	1.11	2	0.2	1	0.314	1.54	1.854	5	1	
7/10/17	114.06	225.4	2.64	53	21.61	1.5	4.73	4.32	1,000	700	5.37	0.0398	0.5	33	1	2	54.9	2	1	2	2	1.2	2	0.2	1	1.63	1.85	3.48	10	1	
9/26/17	113.93	253.9	5.39	40	21.53	5.1	5.43	4.55	1,000	511	4.97	0.04	0.5	27	1	1	55.7	2	1	1	1	1	2	0.2	1	0.513	1.61	1.61	5	1	
3/5/18	113.33	372.2	3.83	46	15.37	2.3	4.98	4.44	1,000	557	5.02	0.2	0.5	32	1	1	49.4	2	1	1	1	1	2	0.2	1	0.513	1.61	1.61	5	1	
6/4/18	113.21	335	4.54	45	21.54	2.65	4.77	4.09	500	520	4.84	0.2	0.5	32	1	1	46.9	2	1	1	0.70 J	1	1.10 J	0.2	1	0.914	1.34	2.254	5	0.5	
9/10/18	113.23	386.7	3.72	57	25.81	2.1	5.31	4.57	21.9	514	5.36	0.025	0.129	31	0.09	0.292	50.6	0.285	0.035	0.345	0.34	1.2	1.3	0.071	0.111	0.622	1.22	1.842	2.06	0.071	
11/20/18	114.60	171.9	4.84	51	21.74	4.65	4.53	50.0	5,000	6	0.1	1	27																		
12/11/18	115.25	185.5	4.68	57	13.12	2.4	4.24	4.24	38.5	625	5.61	0.008	0.93	42		0.292						1.4									
MW-AP-01																															
5/11/16	89.46	-85.1	0.36	655	20.84	1.1	6.435	6.17	1,000	39,100	112	0.3355	1.34	331.5	1	1	180	1	1	1	1	2	0.2	5	1.6	1.186	2.786	5	1		
7/11/16	87.68	-123.7	0.4	583	22	5.3	6.78	6.62	1,000	41,800	130	0.3365	1.8	353.75	1	1	184	1	1	1	1	2	0.2	5.05	0.8365	1.54	2.3765	5	1		
9/19/16	87.86	-100.5	0.08	705	23	0.6	6.7	6.53	1,250	47,800	148.5	0.363	9.2	405	1	1	209	2	1	1	1	2	0.2	6.4	1.44	2.27	1.44	5	1		
11/15/16	87.37	-72	0.46	801	20.99	4.2	6.73	6.97	1,330	48,500	157	0.334	8.626	412	1	1	215	2	1	1	1	2	0.2	5.6	0.754	1.36	0.754	5	1		
1/18/17	88.65	-117.5	0.38	734	22.25	3.22	6.75	6.69	1,380	52,700	167	0.372	6.62	399	1	1.4	229	2	1	2.9	1	2	0.2	5.7	0.446	1.5	1.946	5	1		
3/21/17	87.96	-128.7	0.64	719	21.06	2.9	5.64	6.55	1,480	53,600	164	0.311	5.52	441	1	1	218	2	1	1	1	2	0.2	5.1	0.447	0.628	1.075	5	1		
5/23/17	89.57	-104.2	1.14	779	20.54	1.77	6.73	6.55	1,422	57,180	168	0.351	3.7	433	1	1	216	2	1	1	1	2	0.2	4.4	0.477	0.761	1.94	0.761	5	1	
7/10/17	88.61	-73.6	0.32	782	23.37	6.82	6.58	6.25	1,340	52,450	187	0.34	5.52	442	1	1	214	2	1	1	1	2	0.2	1	2.36	1.07	2.36	5	1		
9/26/17	87.83	-122	0.81	784	21.9	2.2	6.73	6.71	1,900	59,700	195	0.311	11.1	473																	
3/5/18	89.65	-82.5	0.21	1025	17.54	1.7	7.01	6.71	2,080	67,000	224	0.4	1	523	1	1	263	2	1	1	1	2	0.2	4.1	0.982	1.57	0.982	5	1		
6/5/18	91.19	28.1	0.4	1000	20.95	3.57	6.8	6.51	2,032	73,000	75.9	0.43	0.5	587	1	1	291	2	1	1	1	2	0.2	4.1	0.4	1.68	0.4	5	0.5		
9/10/18	87.67	-93.7	1.04	966	21.9	1.5	6.67	6.59	2,310	72,400	234	0.37	7.26	709	0.09	0.292	281	0.285	0.035	0.345	0.072	0.102	0.77	0.071	5	0.777	1.38	0.777	2.06	0.071	
12/11/18	91.56	14.31	1.52	1118	13.39	1.54	6.08	6.08	2,224	74,840	216	0.31	0.387	674		0.38						0.758									
MW-AP-02																															
5/11/16	87.65	-55.5	0.17	638	22.2	9.1	6.38	5.95	1,000	59,100	43.6	0.293	47.1	361	1	1	119	191	1	1	1.3	1	16.5	0.2	35.1	1.83	1.09	2.92	5	1	
7/11/16	85.07	-83.7	0.39	607	25.8	8.6	6.62	6.42	1,000	70,700	41	0.32	48	375	1	1	206	204	1	1	1	1	17.7	0.2	46.9	1.05	3.32	4.37	5	1	
9/19/16	84.63	-97.1	0.25	664	28.79	7.05	6.6	6.5	1,000	71,100	67.2	0.372	48.4	367	1	1	280	179	2	1	1	1	19.8	0.2	57.1	1.16	1.68	1.16	5	1	
11/15/16	84.01	-40	0.48	749	19.19	7.2	6.7	6.88	1,020	66,200	105	0.391	51.979	419	1	1	330	166	105	2	1	1	21.3	0.2	51.2	0.608	1.7	0.608	5	1	
1/18/17	85.70	-104.2	0.4	653	22.28	6.15	6.56	6.46	1,000	64,700	100	0.43	39	432	1	1	166	170	2	1	1.1	1	23.7	0.2	30	1.06	1.59	1.06	5	1	
3/21/17	84.91	-88	0.48	639	22.29	5.8	5.5	6.33	1,340	61,100	125.2	0.372	28.9	420	1	1	298	194	2	1	1	1	37.9	0.2	25.2	0.556	0.818	1.374	5	1	
5/23/17	88.78	-23	1.39	592	20.3	9.82	6.27	6.11	1,000	53,230	91.1	0.269	23.5	341	1	1	39.4	184	2	1	1	1	9.79	0.2	5.2	0.517	1.29	0.517	5	1	
7/10/17	86.18	-59.3	0.62	575	25.44	2.97	6.32	5.99	1,000	40,300	57.76	0.199	8.6	313	1	1	48.7	185	2	1	1	1	6.46	0.2	7.2	0.943	0.968	0.943	5	1	
9/26/17	84.93	-52.3	0.86	645	18.59	3	6.59	6.44	1,070	63,000	104	0.334	41.4	407																	
3/5/18	88.00	-53.8	0.28	404	16.89	4.3	6.69	6.34	1,690	68,000	173	0.4	44	460	1	278	234	2	1	1	1	29.1	0.2	28.7	0.915	1.5	0.915	5	1		
6/5/18	90.26	23.2	0.4	846	21.39	3.84	6.63	6.33	1,649	70,310	83.1	0.41	24	525	1	243	244	2	1	0.50 J	0.96 J	1	35.2	0.2	31.1	0.685	2.17	2.855	5	0.5	
9/10/18	85.10	-50.3	1.07	600	22.18	4.3	6.42	6.03	798	42,700	64.1	0.21	7.37	382	0.13	85.4	189	0.285	0.035	0.345	0.27	0.15	4.6	0.071	4.7	0.537	1.15	1.687	2.06	0.071	
12/11/18	91.39	145.6	0.8	911	13.43	2.08	5.74	1.705	1,705	71,060	156	0.4	44.9	597		208						23.5									
MW-AP-03																															
5/11/16	88.78	-95	0.22	603	22.64	4.1	6.63	6.26	1,020	73,900	19.5	0.745	66.9	353	1	1	1390	133	1	1	1	1	91.5	0.2	28.1	2	-0.0212	1.9788	5	1	
7/11/16	86.90	-96.6	0.29	411.8	24	6.9	6.9	6.58	1,000	57,000	18	0.904	53	281	1	1	1120	103	1	1	1	1	81.3	0.2	27.3	0.244	-0.235	0.009	5	1	
9/19/16	86.48	-68	0.07	522	21.85	7.86	6.7	6.2	1,080	64,500	20.5	0.805	55.3	312	1	1	1170	122	2	1	1	1	82.5	0.2	21.4	1.02	1.65	1.02	5	1	
11/15/16	85.58	-56	0.51	565	18.99	7.4	6.76	7.01	1,070	61,600	20.7	0.759	55.4	320	1	1	1340	120	2	1	1	1	80	0.2	19.9	1.07	1.76	1.07	5	1	
1/18/17	86.61	-107.6	0.31	601	20.81	0.78	6.57	6.57	1,630	113,000	68.8	0.672	31.4	396	1	1	64.4	226	2	1	1	1	80.7	0.2	1	1.17	2.04	1.17	5	1	
3/2																															



APPENDIX A

Results of Field and Laboratory Analyses of Groundwater Samples



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00640**

Wateree Well AP1-01A (NPDES/CCR)

Date & Time Sampled: March 05, 2018 14:37
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A.HILL Location Code: WAAP101ATDS

AP1-01

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	5.02	0.50	0.038	mg/L	3/8/18 13:44	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	4.98			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	Less than PQL	.50	0.129	mg/L	3/8/18 13:44	BB
Total Alkalinity by SM2320B	2.55		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	32	2.0	2.0	mg/L	3/8/18 12:30	BF
NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	Less than PQL	0.20	0.025	mg/L	3/8/18 13:44	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00644**

Wateree Well AP1-02 (NPDES/CCR)

Date & Time Sampled: March 05, 2018 16:34
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A.HILL Location Code: WAAP102TDS

AP1-02

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	173	1.00	0.076	mg/L	3/8/18 13:44	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.69			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	44.0	1.00	0.258	mg/L	3/8/18 13:44	BB
Total Alkalinity by SM2320B	168		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	460	2.0	2.0	mg/L	3/8/18 12:30	BF
NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	Less than PQL	0.40	0.050	mg/L	3/8/18 13:44	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
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 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00646**

Wateree Well AP1-03 (NPDES/CCR)

Date & Time Sampled: March 05, 2018 17:40
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A.HILL Location Code: WAAP103TDS

AP1-03

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	106	1.00	0.076	mg/L	3/8/18 14:03	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.96			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	84.1	1.00	0.258	mg/L	3/8/18 14:03	BB
Total Alkalinity by SM2320B	148		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	414	2.0	2.0	mg/L	3/8/18 12:30	BF
NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	Less than PQL	0.40	0.050	mg/L	3/8/18 14:03	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
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March 09, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00647**

Wateree Well AP1-04 (NPDES/CCR)

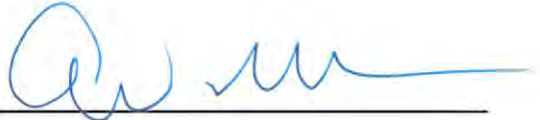
Date & Time Sampled: March 06, 2018 08:55
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A.HILL Location Code: WAAP104TDS

AP1-04

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	15.5	0.50	0.038	mg/L	3/8/18 14:03	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.75			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	Less than PQL	.50	0.129	mg/L	3/8/18 14:03	BB
Total Alkalinity by SM2320B	446		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	424	2.0	2.0	mg/L	3/8/18 12:30	BF
NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	0.99	0.20	0.025	mg/L	3/8/18 14:03	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00648**

Wateree Well AP1-05 (NPDES/CCR)

Date & Time Sampled: March 06, 2018 10:35
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A.HILL Location Code: WAAP105TDS

AP1-05

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
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Chlorides by IC EPA 300.0	20.4	0.50	0.038	mg/L	3/8/18 14:03	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.43			S.U.	3/7/18 10:15	BF

Sulfates by IC EPA 300.0	Less than PQL	.50	0.129	mg/L	3/8/18 14:03	BB
Total Alkalinity by SM2320B	230		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	258	2.0	2.0	mg/L	3/8/18 12:30	BF

NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
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Fluoride by IC EPA 300.0	Less than PQL	0.20	0.025	mg/L	3/8/18 14:03	BB
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00668

Wateree Well AP1-01A TM (NPDES/CCR)

Date & Time Sampled: March 05, 2018 14:37
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A HILL Location Code: WAAP101ATM

AP1-01

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:02	MC
Arsenic by ICP_MS 200.8	Less Than PQL	1.0	0.106	ppb	3/9/18 11:50	CDB/IV
Barium by ICP-OES 200.7	49.4	10.0	1.648	ppb	3/9/18 10:39	CDB/IV
Beryllium EPA 200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/IV
Boron - EPA 200.7	Less than PQL	1000	44.2	ppb	3/9/18 10:24	CDB/IV
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Calcium EPA 200.7	557	500	54.4	ppb	3/9/18 10:39	CDB/IV
Chromium by ICP_MS 200.8	Less than PQL	1.0	0.075	ppb	3/9/18 12:02	MC
Cobalt by ICP_MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Iron by ICP-OES 200.7	Less than PQL	20.0	4.5	ppb	3/9/18 10:52	CDB/IV
Lead by ICP-MS 200.8	1.0	1.0	0.02	ppb	3/9/18 12:02	MC
Lithium (CWA) 200.7	Less Than PQL	2.0	0.407	ppb	3/9/18 10:52	CDB/IV
Magnesium EPA 200.7	895	100	9.6	ppb	3/9/18 10:39	CDB/IV
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Potassium EPA 200.7	Less Than PQL	1000	87.7	ppb	3/9/18 10:52	CDB/IV
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 12:02	MC
Sodium EPA 200.7	3390	1000	252.0	ppb	3/9/18 10:39	CDB/IV



Sample ID: BA00668

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00669

Wateree Well AP1-01 TM (NPDES/CCR)

Date & Time Sampled: March 05, 2018 15:37
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A HILL Location Code: WAAP101TM

AP1-01

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:02	MC
Arsenic by ICP_MS 200.8	Less Than PQL	1.0	0.106	ppb	3/9/18 11:50	CDB/IV
Barium by ICP-OES 200.7	263	10.0	1.648	ppb	3/9/18 10:39	CDB/IV
Beryllium EPA 200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/IV
Boron - EPA 200.7	2080	1000	44.2	ppb	3/9/18 10:24	CDB/IV
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Calcium EPA 200.7	67000	500	54.4	ppb	3/9/18 10:39	CDB/IV
Chromium by ICP_MS 200.8	Less Than PQL	1.0	0.075	ppb	3/9/18 12:02	MC
Cobalt by ICP_MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Iron by ICP-OES 200.7	27900	20.0	4.5	ppb	3/9/18 10:52	CDB/IV
Lead by ICP-MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Lithium (CWA) 200.7	Less than PQL	2.0	0.407	ppb	3/9/18 10:52	CDB/IV
Magnesium EPA 200.7	22300	100	9.6	ppb	3/9/18 10:39	CDB/IV
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	4.1	1.0	0.03	ppb	3/9/18 12:02	MC
Potassium EPA 200.7	11000	1000	87.7	ppb	3/9/18 10:52	CDB/IV
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 12:02	MC
Sodium EPA 200.7	60100	1000	252.0	ppb	3/9/18 10:39	CDB/IV



Sample ID: BA00669

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00670

Wateree Well AP1-02 TM (NPDES/CCR)

Date & Time Sampled: March 05, 2018 16:34

Date & Time Submitted: March 06, 2018 14:30

Collected by: A HILL Location Code: WAAP102TM

AP1-02

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:02	MC
Arsenic by ICP_OES 200.7	278	10.0	4.1	ppb	3/9/18 11:57	MC
Barium by ICP-OES 200.7	234	10.0	1.648	ppb	3/9/18 10:39	CDB/IV
Beryllium EPA 200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/IV
Boron - EPA 200.7	1690	1000	44.2	ppb	3/9/18 10:24	CDB/IV
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Calcium EPA 200.7	68000	500	54.4	ppb	3/9/18 10:39	CDB/IV
Chromium by ICP_MS 200.8	Less Than PQL	1.0	0.075	ppb	3/9/18 12:02	MC
Cobalt by ICP_MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Iron by ICP-OES 200.7	38000	20.0	4.5	ppb	3/9/18 10:52	CDB/IV
Lead by ICP-MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Lithium (CWA) 200.7	29.1	2.0	0.407	ppb	3/9/18 10:52	CDB/IV
Magnesium EPA 200.7	18100	100	9.6	ppb	3/9/18 10:39	CDB/IV
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	28.7	1.0	0.03	ppb	3/9/18 12:02	MC
Potassium EPA 200.7	8920	1000	87.7	ppb	3/9/18 10:52	CDB/IV
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 12:02	MC
Sodium EPA 200.7	44400	1000	252.0	ppb	3/9/18 10:39	CDB/IV



Sample ID: BA00670

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC

Arsenic value verified by ICP-OES and ICP-MS.

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00671

Wateree Well AP1-03 TM (NPDES/CCR)

Date & Time Sampled: March 05, 2018 17:40

Date & Time Submitted: March 06, 2018 14:30

Collected by: A HILL Location Code: WAAP103TM

AP1-03

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:02	MC
Arsenic by ICP_OES 200.7	1290	10.0	4.1	ppb	3/9/18 11:57	MC
Barium by ICP-OES 200.7	164	10.0	1.648	ppb	3/9/18 10:39	CDB/M
Beryllium EPA 200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/M
Boron - EPA 200.7	1350	1000	44.2	ppb	3/9/18 10:24	CDB/M
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Calcium EPA 200.7	71900	500	54.4	ppb	3/9/18 10:39	CDB/M
Chromium by ICP_MS 200.8	Less than PQL	1.0	0.075	ppb	3/9/18 12:02	MC
Cobalt by ICP_MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Iron by ICP-OES 200.7	24100	20.0	4.5	ppb	3/9/18 10:52	CDB/M
Lead by ICP-MS 200.8	Less than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Lithium (CWA) 200.7	96.2	2.0	0.407	ppb	3/9/18 10:52	CDB/M
Magnesium EPA 200.7	11600	100	9.6	ppb	3/9/18 10:39	CDB/M
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	19.3	1.0	0.03	ppb	3/9/18 12:02	MC
Potassium EPA 200.7	8520	1000	87.7	ppb	3/9/18 10:52	CDB/M
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 12:02	MC
Sodium EPA 200.7	41800	1000	252.0	ppb	3/9/18 10:39	CDB/M



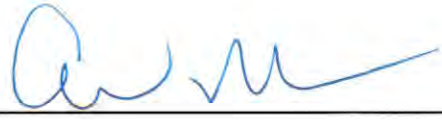
Sample ID: BA00671

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC

Arsenic value verified by ICP-OES and ICP-MS.

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00672

Wateree Well AP1-04 TM (NPDES/CCR)

Date & Time Sampled: March 06, 2018 08:55
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A HILL Location Code: WAAP104TM

AP1-04

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:02	MC
Arsenic by ICP_MS 200.8	29.6	1.0	0.106	ppb	3/9/18 11:50	CDB/IV
Barium by ICP-OES 200.7	198	10.0	1.648	ppb	3/9/18 10:39	CDB/IV
Beryllium EPA.200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/IV
Boron - EPA 200.7	2050	1000	44.2	ppb	3/9/18 10:24	CDB/IV
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Calcium EPA 200.7	104000	500	54.4	ppb	3/9/18 10:39	CDB/IV
Chromium by ICP_MS 200.8	Less Than PQL	1.0	0.075	ppb	3/9/18 12:02	MC
Cobalt by ICP_MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Iron by ICP-OES 200.7	27800	20.0	4.5	ppb	3/9/18 10:52	CDB/IV
Lead by ICP-MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:02	MC
Lithium (CWA) 200.7	Less than PQL	2.0	0.407	ppb	3/9/18 10:52	CDB/IV
Magnesium EPA 200.7	18900	100	9.6	ppb	3/9/18 10:39	CDB/IV
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	Less Than PQL	1.0	0.03	ppb	3/9/18 12:02	MC
Potassium EPA 200.7	7990	1000	87.7	ppb	3/9/18 10:52	CDB/IV
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 12:02	MC
Sodium EPA 200.7	19000	1000	252.0	ppb	3/9/18 10:39	CDB/IV




Sample ID: BA00672

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:02	MC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00673

Wateree Well AP1-05 TM (NPDES/CCR)

Date & Time Sampled: March 06, 2018 10:35
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A HILL Location Code: WAAP105TM

AP1-05

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:08	CDB/IV
Arsenic by ICP_MS 200.8	1.4	1.0	0.106	ppb	3/9/18 12:08	CDB/IV
Barium by ICP-OES 200.7	183	10.0	1.648	ppb	3/9/18 10:39	CDB/IV
Beryllium EPA 200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/IV
Boron - EPA 200.7	Less Than PQL	1000	44.2	ppb	3/9/18 10:24	CDB/IV
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:08	CDB/IV
Calcium EPA 200.7	10900	500	54.4	ppb	3/9/18 10:39	CDB/IV
Chromium by ICP_MS 200.8	Less Than PQL	1.0	0.075	ppb	3/9/18 12:08	CDB/IV
Cobalt by ICP_MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:08	CDB/IV
Iron by ICP-OES 200.7	75700	20.0	4.5	ppb	3/9/18 10:52	CDB/IV
Lead by ICP-MS 200.8	Less Than PQL	1.0	0.02	ppb	3/9/18 12:08	CDB/IV
Lithium (CWA) 200.7	Less Than PQL	2.0	0.407	ppb	3/9/18 10:52	CDB/IV
Magnesium EPA 200.7	9350	100	9.6	ppb	3/9/18 10:39	CDB/IV
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	Less Than PQL	1.0	0.03	ppb	3/9/18 12:08	CDB/IV
Potassium EPA 200.7	1760	1000	87.7	ppb	3/9/18 10:52	CDB/IV
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 12:08	CDB/IV
Sodium EPA 200.7	17600	1000	252.0	ppb	3/9/18 10:39	CDB/IV



Sample ID: BA00673

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:08	CDB/M

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: BA00693

Wateree Well AP1-08 TM (NPDES/CCR)

Date & Time Sampled: March 06, 2018 12:35

Date & Time Submitted: March 06, 2018 15:10

Collected by: A HILL Location Code: WAAP108TM

AP1-01

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 12:08	CDB/IV
Arsenic by ICP_MS 200.8	2.4	1.0	0.106	ppb	3/9/18 12:08	CDB/IV
Barium by ICP-OES 200.7	156	10.0	1.648	ppb	3/9/18 10:39	CDB/IV
Beryllium EPA 200.7	Less Than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/IV
Boron - EPA 200.7	Less Than PQL	1000	44.2	ppb	3/9/18 10:39	CDB/IV
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:08	CDB/IV
Calcium EPA 200.7	17600	500	54.4	ppb	3/9/18 10:39	CDB/IV
Chromium by ICP_MS 200.8	Less Than PQL	1.0	0.075	ppb	3/9/18 12:08	CDB/IV
Cobalt by ICP_MS 200.8	8.5	1.0	0.02	ppb	3/9/18 12:08	CDB/IV
Iron by ICP-OES 200.7	63600	20.0	4.5	ppb	3/9/18 10:52	CDB/IV
Lead by ICP-MS 200.8	Less than PQL	1.0	0.02	ppb	3/9/18 12:08	CDB/IV
Lithium (CWA) 200.7	7.8	2.0	0.407	ppb	3/9/18 10:52	CDB/IV
Magnesium EPA 200.7	16700	100	9.6	ppb	3/9/18 10:39	CDB/IV
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:08	CDB/IV
Potassium EPA 200.7	3770	1000	87.7	ppb	3/9/18 10:52	CDB/IV
Selenium by ICP-MS 200.8	5.0	5.0	1.47	ppb	3/9/18 12:08	CDB/IV
Sodium EPA 200.7	15500	1000	252.0	ppb	3/9/18 10:39	CDB/IV

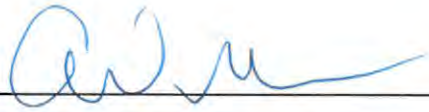


Sample ID: BA00693

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 12:08	CDB/V

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
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 Fax: (803) 217-9911

March 09, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00695**

Wateree Well Field Blank T Metals (NPDES)

Date & Time Sampled: March 06, 2018 13:10
 Date & Time Submitted: March 06, 2018 15:10
 Collected by: A HILL Location Code: WAFBTM

Login Record File: 180307002

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than PQL	1.0	0.25	ppb	3/9/18 11:45	MC
Arsenic by ICP_MS 200.8	Less than PQL	1.0	0.106	ppb	3/9/18 11:45	MC
Barium by ICP-OES 200.7	Less than PQL	10.0	1.648	ppb	3/9/18 10:39	CDB/V
Beryllium EPA 200.7	Less than PQL	2.0	0.140	ppb	3/9/18 10:39	CDB/V
Boron - EPA 200.7	Less than PQL	1000	44.2	ppb	3/9/18 10:39	CDB/V
Cadmium by ICP_MS EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 11:45	MC
Calcium EPA 200.7	Less than PQL	500	54.4	ppb	3/9/18 10:39	CDB/V
Chromium by ICP_MS 200.8	Less Than PQL	1.0	0.075	ppb	3/9/18 11:45	MC
Cobalt by ICP_MS 200.8	Less than PQL	1.0	0.02	ppb	3/9/18 11:45	MC
Iron by ICP-OES 200.7	Less than PQL	20.0	4.5	ppb	3/9/18 10:52	CDB/V
Lead by ICP-MS 200.8	Less than PQL	1.0	0.02	ppb	3/9/18 11:45	MC
Lithium (CWA) 200.7	Less than PQL	2.0	0.407	ppb	3/9/18 10:52	CDB/V
Magnesium EPA 200.7	Less than PQL	100	9.6	ppb	3/9/18 10:39	CDB/V
Mercury (CWA) by EPA 245.2	Less than PQL	0.2	0.046	ppb	3/9/18 11:28	PRC
Molybdenum - EPA 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 11:45	MC
Potassium EPA 200.7	Less than PQL	1000	87.7	ppb	3/9/18 10:52	CDB/V
Selenium by ICP-MS 200.8	Less than PQL	5.0	1.47	ppb	3/9/18 11:45	MC
Sodium EPA 200.7	Less than PQL	1000	252.0	ppb	3/9/18 10:39	CDB/V



Central Laboratory (P-08)
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 Columbia, SC 29212
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 Fax: (803) 217-9911

March 13, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00642**

Wateree Well AP1-01 (NPDES/CCR)

Date & Time Sampled: March 05, 2018 15:37
 Date & Time Submitted: March 06, 2018 14:30
 Collected by: A.HILL Location Code: WAAP101TDS

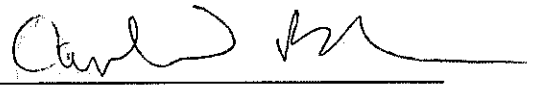
AP1-01

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	224	1.50	0.114	mg/L	3/8/18 20:11	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	7.01			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	Less than PQL	1.00	0.258	mg/L	3/8/18 13:44	BB
Total Alkalinity by SM2320B	176		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	523	2.0	2.0	mg/L	3/8/18 12:30	BF

NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	Less than PQL	0.40	0.050	mg/L	3/8/18 13:44	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 13, 2018

REPORT TO:
Mike Moore

Sample ID: BA00660

Wateree Well AP1-08 (NPDES/CCR)

Date & Time Sampled: March 06, 2018 12:35
 Date & Time Submitted: March 06, 2018 15:10
 Collected by: A.HILL Location Code: WAAP108TDS

AP1-01

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	17.1	0.50	0.038	mg/L	3/8/18 20:11	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.24			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	56.7	.50	0.129	mg/L	3/8/18 20:11	BB
Total Alkalinity by SM2320B	186		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	301	2.0	2.0	mg/L	3/8/18 12:30	BF

NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	Less than PQL	0.20	0.025	mg/L	3/8/18 20:11	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

March 13, 2018

REPORT TO:
Mike Moore

Sample ID: **BA00662**

Wateree Well Field Blank (NPDES)

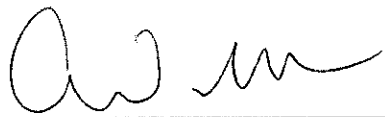
Date & Time Sampled: March 06, 2018 13:10
 Date & Time Submitted: March 06, 2018 15:10
 Collected by: A.HILL Location Code: WAFBTDS

Login Record File: 180307001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	Less than PQL	0.50	0.038	mg/L	3/8/18 20:11	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	5.89			S.U.	3/7/18 10:15	BF
Sulfates by IC EPA 300.0	Less than PQL	.50	0.129	mg/L	3/8/18 20:11	BB
Total Alkalinity by SM2320B	2.55		1.0	mg/L	3/7/18 10:15	BF
Total Dissolved Solid-SM2540C	3	2.0	2.0	mg/L	3/8/18 12:30	BF

NON-CERTIFIED PARAMETERS:	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Fluoride by IC EPA 300.0	Less than PQL	0.20	0.025	mg/L	3/8/18 20:11	BB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 



Sample ID: BA00695

March 09, 2018

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(PQL)	Detection Limit(MDL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than PQL	1.0	0.03	ppb	3/9/18 11:45	MC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: 

List of current GEL Certifications as of 26 March 2018

State	Certification
Alaska	17-018
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC00012
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA180011
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122018-1
New Hampshire NELAP	205415
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	9904
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-18-13
Utah NELAP	SC000122018-26
Vermont	VT87156
Virginia NELAP	460202
Washington	C780
West Virginia	997404

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis Report for

GEEL003 GEL Engineering, LLC

Client SDG: 445507 GEL Work Order: 445507

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Jake Crook.



Reviewed by _____

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 26, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-01A	Project: SCEG01716c
Sample ID: 445507003	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 05-MAR-18 14:37	
Receive Date: 08-MAR-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228		1.61	1.37	3.00	pCi/L			JXC9	03/26/18	1025	1745881	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226	U	ND	0.513	1.00	pCi/L			PCW	03/23/18	0835	1745745	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			89.2	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 26, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-01	Project: SCEG01716c
Sample ID: 445507004	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 05-MAR-18 15:37	
Receive Date: 08-MAR-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.57	3.00	pCi/L			JXC9	03/26/18	1025	1745881	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226		0.982	0.313	1.00	pCi/L			PCW	03/23/18	0835	1745745	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			91.6	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 26, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-04	Project: SCEG01716c
Sample ID: 445507007	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 06-MAR-18 08:55	
Receive Date: 08-MAR-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.59	3.00	pCi/L			JXC9	03/26/18	1025	1745881	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226		1.15	0.438	1.00	pCi/L			PCW	03/23/18	0910	1745745	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			92	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 26, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-05	Project: SCEG01716c
Sample ID: 445507008	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 06-MAR-18 10:35	
Receive Date: 08-MAR-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.48	3.00	pCi/L			JXC9	03/26/18	1025	1745881	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226		0.745	0.484	1.00	pCi/L			PCW	03/23/18	0910	1745745	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			87.9	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: March 26, 2018

Page 1 of 2

GEL Laboratories
2040 Savage Rd
Charleston, South Carolina

Contact: Sandra Chzasz

Workorder: 445507

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1745881										
QC1203986956	445507008	DUP									
Radium-228		U	0.435	U	0.521	pCi/L	N/A		N/A	JXC9	03/26/18 10:25
QC1203986957	LCS										
Radium-228	18.4				18.8	pCi/L	102	(75%-125%)			03/26/18 10:25
QC1203986955	MB										
Radium-228			U	0.621	pCi/L						03/26/18 10:24
Rad Ra-226											
Batch	1745745										
QC1203986699	445471001	DUP									
Radium-226		U	0.285		0.650	pCi/L	78.1	(0% - 100%)	PCW		03/23/18 09:40
QC1203986702	LCS										
Radium-226	26.0				24.1	pCi/L	92.7	(75%-125%)			03/23/18 10:15
QC1203986698	MB										
Radium-226			U	0.311	pCi/L						03/23/18 09:40
QC1203986700	445471001	MS									
Radium-226	130	U	0.285		99.8	pCi/L	76.8	(75%-125%)			03/23/18 09:40
QC1203986701	445471001	MSD									
Radium-226	130	U	0.285		139	pCi/L	32.8*	107	(0%-20%)		03/23/18 09:40

Notes:

The Qualifiers in this report are defined as follows:

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Workorder: 445507

Page 2 of 2

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
BD		Results are either below the MDC or tracer recovery is low									
FA		Failed analysis.									
H		Analytical holding time was exceeded									
J		Value is estimated									
K		Analyte present. Reported value may be biased high. Actual value is expected to be lower.									
L		Analyte present. Reported value may be biased low. Actual value is expected to be higher.									
M		M if above MDC and less than LLD									
M		REMP Result > MDC/CL and < RDL									
N/A		RPD or %Recovery limits do not apply.									
NI		See case narrative									
ND		Analyte concentration is not detected above the detection limit									
NJ		Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
Q		One or more quality control criteria have not been met. Refer to the applicable narrative or DER.									
R		Sample results are rejected									
U		Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.									
UI		Gamma Spectroscopy--Uncertain identification									
UJ		Gamma Spectroscopy--Uncertain identification									
UL		Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.									
X		Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
Y		Other specific qualifiers were required to properly define the results. Consult case narrative.									
^		RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.									
h		Preparation or preservation holding time was exceeded									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

SAMPLE RECEIPT & REVIEW FORM

30

Client: <u>SCEG</u>		SDG/AR/COC/Work Order: <u>445507 + 445508</u>	
Received By: <u>Chakeris Tarplin</u>		Date Received: <u>March 08, 2018</u>	
Carrier and Tracking Number		Circle Applicable: FedEx Express FedEx Ground UPS <u>Field Services</u> Courier Other	
Suspected Hazard Information	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.	
Shipped as a DOT Hazardous?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hazard Class Shipped: _____ UN#: _____	
COC/Samples marked or classified as radioactive?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> <u>CPM</u> mR/Hr Classified as: Rad 1 Rad 2 Rad 3	
Is package, COC, and/or Samples marked HAZ?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, select Hazards below, and contact the GEL Safety Group. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		<input checked="" type="checkbox"/>		Preservation Method: Wet Ice Ice Packs Dry ice <u>(None)</u> Other: *all temperatures are recorded in Celsius TEMP: 19°C
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: <u>IR4-17</u> Secondary Temperature Device Serial # (If Applicable): _____
5 Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>			Sample ID's and Containers Affected: If Preservation added, Lot#: _____
7 Do any samples require Volatile Analysis?			<input checked="" type="checkbox"/>	If Yes, Are Encores or Soil Kits present? Yes ___ No ___ (If yes, take to VOA Freezer) Do VOA vials contain acid preservation? Yes ___ No ___ N/A ___ (If unknown, select No) VOA vials free of headspace? Yes ___ No ___ N/A ___ Sample ID's and containers affected:
8 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
10 Date & time on COC match date & time on bottles?			<input checked="" type="checkbox"/>	Sample ID's affected: <u>MW-AP-01 time on bottle is 1535</u>
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
12 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			

Comments (Use Continuation Form if needed):

CLIENT EMAILED 3/9/18
-AM

PM (or PMA) review: Initials AM Date 3/12/18 Page 1 of

Radiochemistry
Technical Case Narrative
GEL Engineering, LLC (GEEL)
SDG #: 445507

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

Analytical Procedure: GL-RAD-A-063 REV# 1

Analytical Batch: 1745881

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
445507001	MW-FGD-01
445507002	DUP-01
445507003	MW-AP-01A
445507004	MW-AP-01
445507005	MW-AP-02
445507006	MW-AP-03
445507007	MW-AP-04
445507008	MW-AP-05
1203986955	Method Blank (MB)
1203986956	445507008(MW-AP-05) Sample Duplicate (DUP)
1203986957	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: Lucas Cell, Ra226, liquid

Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 1745745

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
445507001	MW-FGD-01
445507002	DUP-01
445507003	MW-AP-01A
445507004	MW-AP-01
445507005	MW-AP-02
445507006	MW-AP-03
445507007	MW-AP-04
445507008	MW-AP-05

1203986698	Method Blank (MB)
1203986699	445471001(NonSDG) Sample Duplicate (DUP)
1203986700	445471001(NonSDG) Matrix Spike (MS)
1203986701	445471001(NonSDG) Matrix Spike Duplicate (MSD)
1203986702	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between MS and MSD

The Matrix Spike and Matrix Spike Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1203986700MS and 1203986701MSD (Non SDG 445471001)	Radium-226	RPD 32.8* (0%-20%)

Miscellaneous Information

Additional Comments

The matrix spike and matrix spike duplicate, 1203986700 (Non SDG 445471001MS) and 1203986701 (Non SDG 445471001MSD), aliquots were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

List of current GEL Certifications as of 26 March 2018

State	Certification
Alaska	17-018
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC00012
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA180011
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122018-1
New Hampshire NELAP	205415
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	9904
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-18-13
Utah NELAP	SC000122018-26
Vermont	VT87156
Virginia NELAP	460202
Washington	C780
West Virginia	997404

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 – (843) 556-8171 – www.gel.com

Certificate of Analysis Report for

GEEL003 GEL Engineering, LLC

Client SDG: 445508 GEL Work Order: 445508

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Jake Crook.



Reviewed by _____

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 26, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: FB-01	Project: SCEG01716c
Sample ID: 445508003	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 06-MAR-18 13:10	
Receive Date: 08-MAR-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.33	3.00	pCi/L			JXC9	03/26/18	1026	1745881	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226	U	ND	0.552	1.00	pCi/L			PCW	03/23/18	0910	1745745	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			85.3	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: March 26, 2018

Page 1 of 2

GEL Laboratories
2040 Savage Rd
Charleston, South Carolina

Contact: Sandra Chzasz

Workorder: 445508

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1745881										
QC1203986956	445507008	DUP									
Radium-228		U	0.435	U	0.521	pCi/L	N/A		N/A	JXC9	03/26/18 10:25
QC1203986957	LCS										
Radium-228	18.4				18.8	pCi/L	102	(75%-125%)			03/26/18 10:25
QC1203986955	MB										
Radium-228				U	0.621	pCi/L					03/26/18 10:24
Rad Ra-226											
Batch	1745745										
QC1203986699	445471001	DUP									
Radium-226		U	0.285		0.650	pCi/L	78.1	(0% - 100%)	PCW		03/23/18 09:40
QC1203986702	LCS										
Radium-226	26.0				24.1	pCi/L	92.7	(75%-125%)			03/23/18 10:15
QC1203986698	MB										
Radium-226				U	0.311	pCi/L					03/23/18 09:40
QC1203986700	445471001	MS									
Radium-226	130	U	0.285		99.8	pCi/L	76.8	(75%-125%)			03/23/18 09:40
QC1203986701	445471001	MSD									
Radium-226	130	U	0.285		139	pCi/L	32.8*	107	(0%-20%)		03/23/18 09:40

Notes:

The Qualifiers in this report are defined as follows:

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported



SAMPLE RECEIPT & REVIEW FORM

3C

Client: <u>SCEG</u>		SDG/AR/COC/Work Order: <u>445507 + 445508</u>
Received By: <u>Chakeris Tarplin</u>		Date Received: <u>March 08, 2018</u>
Carrier and Tracking Number		Circle Applicable: FedEx Express FedEx Ground UPS <u>Field Services</u> Courier Other
Suspected Hazard Information	Yes <input type="checkbox"/> No <input type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
Shipped as a DOT Hazardous?	<input checked="" type="checkbox"/>	Hazard Class Shipped: _____ UN#: _____
COC/Samples marked or classified as radioactive?	<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> <u>CPM</u> mR/Hr Classified as: Rad 1 Rad 2 Rad 3
Is package, COC, and/or Samples marked HAZ?	<input checked="" type="checkbox"/>	If yes, select Hazards below, and contact the GEL Safety Group. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		<input checked="" type="checkbox"/>		Preservation Method: Wet Ice Ice Packs Dry ice <u>(None)</u> Other: *all temperatures are recorded in Celsius TEMP: 19°C
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: _____ IR4-17 Secondary Temperature Device Serial # (If Applicable): _____
5 Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>			Sample ID's and Containers Affected: If Preservation added, Lot#: _____
7 Do any samples require Volatile Analysis?		<input checked="" type="checkbox"/>		If Yes, Are Encores or Soil Kits present? Yes ___ No ___ (If yes, take to VOA Freezer) Do VOA vials contain acid preservation? Yes ___ No ___ N/A ___ (If unknown, select No) VOA vials free of headspace? Yes ___ No ___ N/A ___ Sample ID's and containers affected:
8 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
10 Date & time on COC match date & time on bottles?			<input checked="" type="checkbox"/>	Sample ID's affected: <u>MW-AP-01 time on bottle is 1535</u>
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
12 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			

Comments (Use Continuation Form if needed):
CLIENT EMAILED 3/9/18
AM

PM (or PMA) review: Initials AM Date 3/12/18 Page 1 of 1

Radiochemistry
Technical Case Narrative
GEL Engineering, LLC (GEEL)
SDG #: 445508

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

Analytical Procedure: GL-RAD-A-063 REV# 1

Analytical Batch: 1745881

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
445508001	MW-AP-08
445508002	MW-BG-73
445508003	FB-01
1203986955	Method Blank (MB)
1203986956	445507008(MW-AP-05) Sample Duplicate (DUP)
1203986957	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: Lucas Cell, Ra226, liquid

Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 1745745

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
445508001	MW-AP-08
445508002	MW-BG-73
445508003	FB-01
1203986698	Method Blank (MB)
1203986699	445471001(NonSDG) Sample Duplicate (DUP)
1203986700	445471001(NonSDG) Matrix Spike (MS)
1203986701	445471001(NonSDG) Matrix Spike Duplicate (MSD)
1203986702	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between MS and MSD

The Matrix Spike and Matrix Spike Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1203986700MS and 1203986701MSD (Non SDG 445471001)	Radium-226	RPD 32.8* (0%-20%)

Miscellaneous Information

Additional Comments

The matrix spike and matrix spike duplicate, 1203986700 (Non SDG 445471001MS) and 1203986701 (Non SDG 445471001MSD), aliquots were reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02839**

Wateree Well AP1-01A (NPDES/CCR)

Date & Time Sampled: September 10, 2018 14:07
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP101ATDS

AP1-01

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	5.36	0.038	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	Less than	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011)	5.31		S.U.	9/12/18 16:45	PRC
Holding Time of 15 minutes has been exceeded.					
Sulfates by IC EPA 300.0	Less than	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	4.97	1.0	mg/L	9/12/18 16:50	PRC
Total Dissolved Solid-SM2540C	31	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02840**

Wateree Well AP1-01 (NPDES/CCR)

Date & Time Sampled: September 10, 2018 11:15
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP101TDS

AP1-01

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	234	0.114	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	0.37	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.67		S.U.	9/12/18 16:45	PRC
Sulfates by IC EPA 300.0	7.26	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	132	1.0	mg/L	9/12/18 16:50	PRC
Total Dissolved Solid-SM2540C	709	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe Rocky Archer

Sample ID: **BA02841**

Wateree Well AP1-02 (NPDES/CCR)

Date & Time Sampled: September 10, 2018 12:35
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP102TDS

AP1-02

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	64.1	0.038	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	0.21	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.42		S.U.	9/12/18 16:45	PRC
Sulfates by IC EPA 300.0	7.37	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	201	1.0	mg/L	9/12/18 16:50	PRC
Total Dissolved Solid-SM2540C	382	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe Rocky Archer

Sample ID: **BA02842**

Wateree Well AP1-03 (NPDES/CCR)

Date & Time Sampled: September 10, 2018 14:15
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP103TDS

AP1-03

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	68.5	0.038	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	0.52	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.56		S.U.	9/12/18 16:45	PRC
Sulfates by IC EPA 300.0	51.3	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	179	1.0	mg/L	9/12/18 16:50	PRC
Total Dissolved Solid-SM2540C	409	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe Rocky Archer

Sample ID: **BA02843**

Wateree Well AP1-04 (NPDES/CCR)

Date & Time Sampled: September 10, 2018 15:33
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP104TDS

AP1-04

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	15.0	0.038	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	0.22	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.64		S.U.	9/12/18 16:45	PRC
Sulfates by IC EPA 300.0	Less than	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	387	1.0	mg/L	9/12/18 16:50	PRC
Total Dissolved Solid-SM2540C	443	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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 2102 North Lake Drive
 Columbia, SC 29212
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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe Rocky Archer

Sample ID: **BA02844**

Wateree Well AP1-05 (NPDES/CCR)

Date & Time Sampled: September 10, 2018 13:53
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP105TDS

AP1-05

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	19.1	0.038	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	Less than	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.24		S.U.	9/12/18 16:45	PRC
Sulfates by IC EPA 300.0	0.65	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	199	1.0	mg/L	9/12/18 16:50	PRC
Total Dissolved Solid-SM2540C	298	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe Rocky Archer

Sample ID: **BA02845**

Wateree Well AP1-08 (NPDES/CCR)

Date & Time Sampled: September 10, 2018 11:55

Date & Time Submitted: September 11, 2018 14:28

Collected by: A.HILL Location Code: WAAP108TDS

AP1-01

Login Record File: 180911003

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	19.2	0.038	mg/L	9/17/18 11:29	BB
Fluoride by IC EPA 300.0	0.31	0.025	mg/L	9/17/18 11:29	BB
pH by SM4500HB(2011) Holding Time of 15 minutes has been exceeded.	6.15		S.U.	9/17/18 16:45	PRC
Sulfates by IC EPA 300.0	30.5	0.129	mg/L	9/17/18 11:29	BB
Total Alkalinity by SM2320B	134	1.0	mg/L	9/17/18 16:50	PRC
Total Dissolved Solid-SM2540C	389	2.0	mg/L	9/12/18 15:26	PRC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02873**

Wateree Well AP1-01A TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 14:07

Date & Time Submitted: September 11, 2018 14:28

Collected by: A.HILL

Location Code: WAAP101ATM

AP1-01

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	9/19/18 15:31	MC
Arsenic by ICP_MS 200.8	Less than	0.292	ppb	9/19/18 15:31	MC
Barium - 6010D (RCRA)	50.6	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	Less than	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	Less than	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 15:31	MC
Calcium - 6010D (RCRA)	514	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	Less than	0.345	ppb	9/19/18 15:31	MC
Cobalt by ICP_MS 200.8	0.34	0.072	ppb	9/19/18 15:31	MC
Iron - 6010D (RCRA)	Less than	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	1.2	0.102	ppb	9/19/18 15:31	MC
Lithium - 6010D (RCRA)	1.3	0.77	ppb	9/13/18 14:14	MC
Magnesium - 6010D (RCRA)	899	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	Less than	0.111	ppb	9/19/18 15:31	MC
Potassium - 6010D (RCRA)	825	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	Less than	2.06	ppb	9/19/18 15:31	MC
Sodium - 6010D (RCRA)	3910	149	ppb	9/13/18 14:14	MC
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 15:31	MC



Sample ID: BA02873

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02874**

Wateree Well AP1-01 TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 11:15
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP101TM

AP1-01

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	9/19/18 15:31	MC
Arsenic by ICP_MS 200.8	0.30	0.292	ppb	9/19/18 15:31	MC
Barium - 6010D (RCRA)	281	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	Less than	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	2310	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 15:31	MC
Calcium - 6010D (RCRA)	72400	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	Less than	0.345	ppb	9/19/18 15:31	MC
Cobalt by ICP_MS 200.8	Less than	0.072	ppb	9/19/18 15:31	MC
Iron - 6010D (RCRA)	31800	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	Less than	0.102	ppb	9/19/18 15:31	MC
Lithium - 6010D (RCRA)	Less than	0.77	ppb	9/13/18 14:14	MC
Magnesium - 6010D (RCRA)	25300	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	5.0	0.111	ppb	9/19/18 15:31	MC
Potassium - 6010D (RCRA)	11300	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	Less than	2.06	ppb	9/19/18 15:31	MC
Sodium - 6010D (RCRA)	64000	149	ppb	9/13/18 14:14	MC
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 15:31	MC



Sample ID: BA02874

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02875**

Wateree Well AP1-02 TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 12:35
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP102TM

AP1-02

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	0.13	0.090	ppb	9/19/18 15:31	MC
Arsenic by ICP_MS 200.8	85.4	0.292	ppb	9/19/18 15:31	MC
Barium - 6010D (RCRA)	189	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	Less than	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	798	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 15:31	MC
Calcium - 6010D (RCRA)	42700	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	Less than	0.345	ppb	9/19/18 15:31	MC
Cobalt by ICP_MS 200.8	0.27	0.072	ppb	9/19/18 15:31	MC
Iron - 6010D (RCRA)	62600	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	0.15	0.102	ppb	9/19/18 15:31	MC
Lithium - 6010D (RCRA)	4.6	0.77	ppb	9/13/18 14:14	MC
Magnesium - 6010D (RCRA)	15000	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	4.7	0.111	ppb	9/19/18 15:31	MC
Potassium - 6010D (RCRA)	5840	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	Less than	2.06	ppb	9/19/18 15:31	MC
Sodium - 6010D (RCRA)	28200	149	ppb	9/13/18 14:14	MC
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 15:31	MC



Sample ID: BA02875

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02876**

Wateree Well AP1-03 TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 14:15
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP103TM

AP1-03

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	9/19/18 15:31	MC
Arsenic by ICP_MS 200.8	943	2.92	ppb	9/21/18 08:46	MC
Barium - 6010D (RCRA)	165	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	Less than	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	1080	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 15:31	MC
Calcium - 6010D (RCRA)	58500	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	Less than	0.345	ppb	9/19/18 15:31	MC
Cobalt by ICP_MS 200.8	0.18	0.072	ppb	9/19/18 15:31	MC
Iron - 6010D (RCRA)	42600	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	Less than	0.102	ppb	9/19/18 15:31	MC
Lithium - 6010D (RCRA)	53.2	0.77	ppb	9/13/18 14:14	MC
Magnesium - 6010D (RCRA)	10400	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	11.0	0.111	ppb	9/19/18 15:31	MC
Potassium - 6010D (RCRA)	7730	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	Less than	2.06	ppb	9/19/18 15:31	MC
Sodium - 6010D (RCRA)	34900	149	ppb	9/13/18 14:14	MC
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 15:31	MC



Sample ID: BA02876

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02877**

Wateree Well AP1-04 TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 15:33
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP104TM

AP1-04

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	9/19/18 15:31	MC
Arsenic by ICP_MS 200.8	49.1	2.92	ppb	9/21/18 08:46	MC
Barium - 6010D (RCRA)	204	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	Less than	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	2100	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 15:31	MC
Calcium - 6010D (RCRA)	95400	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	Less than	0.345	ppb	9/19/18 15:31	MC
Cobalt by ICP_MS 200.8	0.12	0.072	ppb	9/19/18 15:31	MC
Iron - 6010D (RCRA)	32700	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	Less than	0.102	ppb	9/19/18 15:31	MC
Lithium - 6010D (RCRA)	0.19	0.77	ppb	9/13/18 14:14	MC
*** Result is less than MRL ***					
Magnesium - 6010D (RCRA)	18100	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	0.24	0.111	ppb	9/19/18 15:31	MC
Potassium - 6010D (RCRA)	8480	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	Less than	2.06	ppb	9/19/18 15:31	MC
Sodium - 6010D (RCRA)	19000	149	ppb	9/13/18 14:14	MC



Sample ID: BA02877

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 15:31	MC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02878**

Wateree Well AP1-05 TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 13:53
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP105TM

AP1-05

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	9/19/18 16:14	MC
Arsenic by ICP_MS 200.8	1.3	0.292	ppb	9/19/18 16:14	MC
Barium - 6010D (RCRA)	192	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	Less than	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	118	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 16:14	MC
Calcium - 6010D (RCRA)	11700	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	Less than	0.345	ppb	9/19/18 16:14	MC
Cobalt by ICP_MS 200.8	0.81	0.072	ppb	9/19/18 16:14	MC
Iron - 6010D (RCRA)	81200	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	Less than	0.102	ppb	9/19/18 16:14	MC
Lithium - 6010D (RCRA)	0.36	0.77	ppb	9/13/18 14:14	MC
*** Result is less than MRL ***					
Magnesium - 6010D (RCRA)	10600	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	0.11	0.111	ppb	9/19/18 16:14	MC
*** Result is less than MRL ***					
Potassium - 6010D (RCRA)	1470	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	Less than	2.06	ppb	9/19/18 16:14	MC
Sodium - 6010D (RCRA)	16900	149	ppb	9/13/18 14:14	MC



Sample ID: BA02878

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 16:14	MC

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
 Columbia, SC 29212
 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore
Rashida Marlowe
Rocky Archer

Sample ID: **BA02879**

Wateree Well AP1-08 TM (NPDES/CCR)

Date & Time Sampled: September 10, 2018 11:55
 Date & Time Submitted: September 11, 2018 14:28
 Collected by: A.HILL Location Code: WAAP108TM

AP1-01

Login Record File: 180912001

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	9/19/18 16:14	MC
Arsenic by ICP_MS 200.8	1.8	0.292	ppb	9/19/18 16:14	MC
Barium - 6010D (RCRA)	179	1.85	ppb	9/13/18 14:14	MC
Beryllium - 6010D (RCRA)	0.85	0.285	ppb	9/13/18 14:14	MC
Boron - 6010D (RCRA)	180	21.90	ppb	9/13/18 14:14	MC
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	9/19/18 16:14	MC
Calcium - 6010D (RCRA)	15000	59.0	ppb	9/13/18 14:14	MC
Chromium by ICP_MS 200.8	0.68	0.345	ppb	9/19/18 16:14	MC
Cobalt by ICP_MS 200.8	2.8	0.072	ppb	9/19/18 16:14	MC
Iron - 6010D (RCRA)	85700	18.3	ppb	9/13/18 14:14	MC
Lead by ICP-MS 200.8	Less than	0.102	ppb	9/19/18 16:14	MC
Lithium - 6010D (RCRA)	2.9	0.77	ppb	9/13/18 14:14	MC
Magnesium - 6010D (RCRA)	16700	6.91	ppb	9/13/18 14:14	MC
Mercury - 7470A (RCRA)	Less than	0.071	ppb	9/19/18 15:21	PRC
Molybdenum - EPA 200.8	Less than	0.111	ppb	9/19/18 16:14	MC
Potassium - 6010D (RCRA)	3000	139	ppb	9/13/18 14:14	MC
Selenium by ICP-MS 200.8	6.7	2.06	ppb	9/19/18 16:14	MC
Sodium - 6010D (RCRA)	15600	149	ppb	9/13/18 14:14	MC
Thallium by ICP-MS 200.8	Less than	0.071	ppb	9/19/18 16:14	MC



Sample ID: BA02879

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 5, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-01A	Project: SCEG01716c
Sample ID: 459776004	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 10-SEP-18 14:07	
Receive Date: 20-SEP-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.22	3.00	pCi/L			JXC9	10/04/18	1101	1805173	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226	U	ND	0.622	1.00	pCi/L			PCW	10/04/18	0910	1804132	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			98.2	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 5, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-01	Project: SCEG01716c
Sample ID: 459776005	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 10-SEP-18 11:15	
Receive Date: 20-SEP-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.38	3.00	pCi/L			JXC9	10/04/18	1101	1805173	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226		0.777	0.496	1.00	pCi/L			PCW	10/04/18	0910	1804132	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			91.5	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: October 5, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-02	Project: SCEG01716c
Sample ID: 459776006	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 10-SEP-18 12:35	
Receive Date: 20-SEP-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.15	3.00	pCi/L			JXC9	10/04/18	1101	1805173	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226	U	ND	0.537	1.00	pCi/L			PCW	10/04/18	0945	1804132	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			108	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: October 5, 2018

Company : GEL Laboratories
Address : 2040 Savage Rd

Charleston, South Carolina 29417

Contact: Sandra Chzasz
Project: Wateree CCR

Client Sample ID: MW-AP-04
Sample ID: 459776008
Matrix: Ground Water
Collect Date: 10-SEP-18 15:33
Receive Date: 20-SEP-18
Collector: Client

Project: SCEG01716c
Client ID: GEEL003

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228		1.39	1.25	3.00	pCi/L			JXC9	10/04/18	1101	1805173	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226		0.583	0.559	1.00	pCi/L			PCW	10/04/18	0945	1804132	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			96.8	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: October 5, 2018

Company : GEL Laboratories
 Address : 2040 Savage Rd

 Charleston, South Carolina 29417
 Contact: Sandra Chzasz
 Project: Wateree CCR

Client Sample ID: MW-AP-05	Project: SCEG01716c
Sample ID: 459776009	Client ID: GEEL003
Matrix: Ground Water	
Collect Date: 10-SEP-18 13:53	
Receive Date: 20-SEP-18	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	ND	1.14	3.00	pCi/L			JXC9	10/04/18	1133	1805173	1
Rad Radium-226												
Lucas Cell, Ra226, liquid "As Received"												
Radium-226	U	ND	0.661	1.00	pCi/L			PCW	10/04/18	0945	1804132	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	EPA 903.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			102	(15%-125%)

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit



Central Laboratory (P-08)
 2102 North Lake Drive
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 Tel: (803)217-9384
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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04160**

Wateree Well AP1-01 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 10:40
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP101TM

AP1-01

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	0.38	0.292	ppb	12/17/18 14:23	CDB
Boron - EPA 200.7	2224	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	74840	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	33850	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	Less than	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	25000	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	11000	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	Less than	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04161**

Wateree Well AP1-02 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 11:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP102TM

AP1-02

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	208	2.92	ppb	12/20/18 14:44	CDB
Boron - EPA 200.7	1705	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	71060	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	37720	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	23.5	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	18740	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	8667	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	10.6	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04162**

Wateree Well AP1-03 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 13:40
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP103TM

AP1-03

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	1050	5.84	ppb	12/20/18 14:44	CDB
Boron - EPA 200.7	1550	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	75620	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	30260	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	97.8	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	13800	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	8916	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	10.7	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04163**

Wateree Well AP1-01A TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 09:15

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL

Location Code: WAAP101ATM

AP1-01A

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	Less than	0.292	ppb	12/17/18 14:23	CDB
Boron - EPA 200.7	Less than	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	625	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	Less than	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	1.4	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	1030	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	886	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	13.5	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04164**

Wateree Well AP1-04 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 16:35
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP104TM

AP1-04

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	45.0	0.292	ppb	12/17/18 14:23	CDB
Boron - EPA 200.7	1514	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	82650	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	57550	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	Less than	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	15760	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	7368	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	Less than	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04165**

Wateree Well AP1-05 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 13:40
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP105TM

AP1-05

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	1.2	0.292	ppb	12/17/18 14:23	CDB
Boron - EPA 200.7	183	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	10870	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	59280	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	1.1	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	11320	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	2036	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	12.2	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04166**

Wateree Well AP1-08 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 12:25
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP108TM

AP1-08

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Arsenic by ICP_MS 200.8	1.3	0.292	ppb	12/17/18 14:23	CDB
Boron - EPA 200.7	165	38.458	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	13100	182	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	77990	7.68	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	2.1	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	18200	18.7	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	2824	310	ppb	12/17/18 16:30	CDB
Zinc by ICP-OES 200.7	17.6	3.45	ppb	12/17/18 16:30	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04167**

Wateree Well AP1-03D TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 15:05

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL

Location Code: WAAP103DTM

AP1-03D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	0.13	0.090	ppb	12/17/18 14:23	CDB
Arsenic by ICP_MS 200.8	507	2.92	ppb	12/20/18 14:44	CDB
Barium by ICP-OES 200.7	92.4	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	675	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	0.042	0.035	ppb	12/17/18 14:23	CDB
Calcium EPA 200.7	49630	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	0.98	0.345	ppb	12/17/18 14:23	CDB
Cobalt by ICP_MS 200.8	2.3	0.072	ppb	12/17/18 14:23	CDB
Iron by ICP-OES 200.7	2249	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	0.33	0.102	ppb	12/17/18 14:23	CDB
Lithium (CWA) 200.7	4.9	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	6586	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	79.1	0.111	ppb	12/17/18 14:23	CDB
Potassium EPA 200.7	7954	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 14:23	CDB
Sodium EPA 200.7	40180	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	Less than	0.071	ppb	12/17/18 14:23	CDB



Sample ID: BA04167

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04168**

Wateree Well AP1-09 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 17:45
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP109TM

AP1-09

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	12/17/18 16:30	CDB
Arsenic by ICP_MS 200.8	1490	5.8	ppb	12/20/18 14:32	CDB
Barium by ICP-OES 200.7	159	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	907	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	50340	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	Less than	0.345	ppb	12/17/18 16:30	CDB
Cobalt by ICP_MS 200.8	0.92	0.072	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	61790	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	Less than	0.102	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	10.6	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	9631	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	23.9	0.111	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	7402	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 16:30	CDB
Sodium EPA 200.7	28850	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	Less than	0.071	ppb	12/17/18 16:30	CDB



Sample ID: BA04168

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04169**

Wateree Well AP1-10 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 12:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP10TM

AP1-10

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	12/17/18 16:30	CDB
Arsenic by ICP_MS 200.8	358	2.92	ppb	12/20/18 14:35	CDB
Barium by ICP-OES 200.7	185	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	1940	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	63220	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	Less than	0.345	ppb	12/17/18 16:30	CDB
Cobalt by ICP_MS 200.8	2.2	0.072	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	21250	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	Less than	0.102	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	63.5	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	20600	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	32.3	0.111	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	8300	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 16:30	CDB
Sodium EPA 200.7	44990	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	Less than	0.071	ppb	12/17/18 16:30	CDB



Sample ID: BA04169

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
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 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04170**

Wateree Well AP1-11 TM (NPDES/CCR)

Date & Time Sampled: December 11, 2018 15:50
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP11TM

AP1-11

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	12/17/18 16:30	CDB
Arsenic by ICP_MS 200.8	19.9	0.292	ppb	12/17/18 16:30	CDB
Barium by ICP-OES 200.7	36.4	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	815	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	6418	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	Less than	0.345	ppb	12/17/18 16:30	CDB
Cobalt by ICP_MS 200.8	0.71	0.072	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	7261	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	0.15	0.102	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	2.7	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	1850	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	0.28	0.111	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	1593	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 16:30	CDB
Sodium EPA 200.7	26920	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	Less than	0.071	ppb	12/17/18 16:30	CDB



Sample ID: BA04170

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04171**

Wateree Well AP1-09D TM (NPDES/CCR)

Date & Time Sampled: December 12, 2018 08:25

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL

Location Code: WAAP109DTM

AP1-09D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	0.11	0.090	ppb	12/17/18 16:30	CDB
Arsenic by ICP_MS 200.8	10.3	0.292	ppb	12/17/18 16:30	CDB
Barium by ICP-OES 200.7	58.7	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	615	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	0.46	0.035	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	37980	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	0.36	0.345	ppb	12/17/18 16:30	CDB
Cobalt by ICP_MS 200.8	25.7	0.072	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	216	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	0.32	0.102	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	11.0	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	5907	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	1.6	0.111	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	13100	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 16:30	CDB
Sodium EPA 200.7	25940	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	0.49	0.071	ppb	12/17/18 16:30	CDB



Sample ID: BA04171

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04172**

Wateree Well AP1-11D TM (NPDES/CCR)

Date & Time Sampled: December 12, 2018 10:55
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP11DTM

AP1-11D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	12/17/18 16:30	CDB
Arsenic by ICP_MS 200.8	304	2.92	ppb	12/20/18 14:35	CDB
Barium by ICP-OES 200.7	79.0	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	666	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	34280	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	0.36	0.345	ppb	12/17/18 16:30	CDB
Cobalt by ICP_MS 200.8	6.7	0.072	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	3870	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	0.24	0.102	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	7.9	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	5952	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	1.7	0.111	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	5923	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 16:30	CDB
Sodium EPA 200.7	22150	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	0.19	0.071	ppb	12/17/18 16:30	CDB



Sample ID: BA04172

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04173**

Wateree Well AP1-12 TM (NPDES/CCR)

Date & Time Sampled: December 12, 2018 09:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP12TM

AP1-12

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	12/17/18 16:30	CDB
Arsenic by ICP_MS 200.8	225	2.92	ppb	12/20/18 14:35	CDB
Barium by ICP-OES 200.7	140	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	1190	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	12/17/18 16:30	CDB
Calcium EPA 200.7	70310	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	Less than	0.345	ppb	12/17/18 16:30	CDB
Cobalt by ICP_MS 200.8	1.1	0.072	ppb	12/17/18 16:30	CDB
Iron by ICP-OES 200.7	5745	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	Less than	0.102	ppb	12/17/18 16:30	CDB
Lithium (CWA) 200.7	7.2	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	8952	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	62.8	0.111	ppb	12/17/18 16:30	CDB
Potassium EPA 200.7	8487	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 16:30	CDB
Sodium EPA 200.7	14410	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	Less than	0.071	ppb	12/17/18 16:30	CDB



Sample ID: BA04173

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04174**

Wateree Well Field Blank T Metals (NPDES)

Date & Time Sampled: December 12, 2018 09:00
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAFBTM

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Antimony by ICP-MS 200.8	Less than	0.090	ppb	12/17/18 08:04	CDB
Arsenic by ICP_MS 200.8	Less than	0.292	ppb	12/17/18 08:04	CDB
Barium by ICP-OES 200.7	Less than	2.36	ppb	12/17/18 16:30	CDB
Beryllium EPA 200.7	Less than	0.299	ppb	12/17/18 16:30	CDB
Boron - EPA 200.7	Less than	38.458	ppb	12/17/18 16:30	CDB
Cadmium by ICP_MS EPA 200.8	Less than	0.035	ppb	12/17/18 08:04	CDB
Calcium EPA 200.7	Less than	182	ppb	12/17/18 16:30	CDB
Chromium by ICP_MS 200.8	Less than	0.345	ppb	12/17/18 08:04	CDB
Cobalt by ICP_MS 200.8	Less than	0.072	ppb	12/17/18 08:04	CDB
Iron by ICP-OES 200.7	Less than	7.68	ppb	12/17/18 16:30	CDB
Lead by ICP-MS 200.8	Less than	0.102	ppb	12/17/18 08:04	CDB
Lithium (CWA) 200.7	Less than	0.758	ppb	12/17/18 16:30	CDB
Magnesium EPA 200.7	Less than	18.7	ppb	12/17/18 16:30	CDB
Mercury (CWA) by EPA 245.2	Less than	0.071	ppb	12/18/18 15:09	PRC
Molybdenum - EPA 200.8	Less than	0.111	ppb	12/17/18 08:04	CDB
Potassium EPA 200.7	Less than	310	ppb	12/17/18 16:30	CDB
Selenium by ICP-MS 200.8	Less than	2.06	ppb	12/17/18 08:04	CDB
Sodium EPA 200.7	Less than	143	ppb	12/17/18 16:30	CDB
Thallium by ICP-MS 200.8	Less than	0.071	ppb	12/17/18 08:04	CDB



Sample ID: BA04174

January 03, 2019

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
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If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04175**

Wateree Well AP1-01 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 10:40

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP101TDS

AP1-01

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	216	0.114	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	0.31	0.024	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	Less than	0.387	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	126	0.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	674	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04176**

Wateree Well AP1-02 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 11:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP102TDS

AP1-02

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	156	0.076	mg/L	12/14/18 20:36	BB
Fluoride by IC EPA 300.0	0.40	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	44.9	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	130	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	597	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04177**

Wateree Well AP1-03 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 13:40
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP103TDS

AP1-03

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	128	0.076	mg/L	12/14/18 20:36	BB
Fluoride by IC EPA 300.0	0.79	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	72.8	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	112	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	513	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04178**

Wateree Well AP1-01A (NPDES/CCR)

Date & Time Sampled: December 11, 2018 09:15
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP101ATDS

AP1-01A

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	5.61	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	Less than	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	0.93	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	Less than	0.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	42	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04179**

Wateree Well AP1-04 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 16:35
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP104TDS

AP1-04

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	11.0	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	0.18	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	Less than	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	321	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	418	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04180**

Wateree Well AP1-05 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 13:40

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP105TDS

AP1-05

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	18.8	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	Less than	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	20.3	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	158	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	262	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04181**

Wateree Well AP1-08 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 12:25
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP108TDS

AP1-08

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	17.9	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	0.30	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	6.15	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	177	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	354	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04182**

Wateree Well AP1-03D (NPDES/CCR)

Date & Time Sampled: December 11, 2018 15:05
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP103DTDS

AP1-03D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	21.3	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	0.62	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	94.4	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	116	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	317	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04183**

Wateree Well AP1-09 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 17:45
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP109TDS

AP1-09

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	40.5	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	0.44	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	101	0.258	mg/L	12/14/18 20:36	BB
Total Alkalinity by SM2320B	135	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	404	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
 2102 North Lake Drive
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 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04184**

Wateree Well AP1-10 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 12:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP10TDS

AP1-10

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	116	0.076	mg/L	12/14/18 20:36	BB
Fluoride by IC EPA 300.0	0.59	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	81.0	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	107	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	463	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04185**

Wateree Well AP1-11 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 15:50
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP11TDS

AP1-11

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	23.0	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	Less than	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	41.4	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	17.3	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	137	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04186**

Wateree Well AP1-09D (NPDES/CCR)

Date & Time Sampled: December 12, 2018 08:25
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP109DTDS

AP1-09D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	18.0	0.038	mg/L	12/14/18 02:26	BB
Fluoride by IC EPA 300.0	Less than	0.008	mg/L	12/14/18 02:26	BB
Sulfates by IC EPA 300.0	78.2	0.129	mg/L	12/14/18 02:26	BB
Total Alkalinity by SM2320B	97.6	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	260	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04187**

Wateree Well AP1-11D (NPDES/CCR)

Date & Time Sampled: December 12, 2018 10:55
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP11DTDS

AP1-11D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	16.0	0.038	mg/L	12/15/18 02:29	BB
Fluoride by IC EPA 300.0	Less than	0.008	mg/L	12/15/18 02:29	BB
Sulfates by IC EPA 300.0	78.8	0.129	mg/L	12/15/18 02:29	BB
Total Alkalinity by SM2320B	65.1	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	214	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04188**

Wateree Well AP1-12 (NPDES/CCR)

Date & Time Sampled: December 12, 2018 09:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP112TDS

AP1-12

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	12.1	0.038	mg/L	12/15/18 02:29	BB
Fluoride by IC EPA 300.0	1.04	0.008	mg/L	12/15/18 02:29	BB
Sulfates by IC EPA 300.0	106	0.258	mg/L	12/15/18 21:53	BB
Total Alkalinity by SM2320B	88.4	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	320	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04189**

Wateree Well Field Blank (NPDES)

Date & Time Sampled: December 12, 2018 09:00
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAFBTDS

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Chlorides by IC EPA 300.0	Less than	0.038	mg/L	12/15/18 02:29	BB
Fluoride by IC EPA 300.0	Less than	0.008	mg/L	12/15/18 02:29	BB
Sulfates by IC EPA 300.0	Less than	0.129	mg/L	12/15/18 02:29	BB
Total Alkalinity by SM2320B	Less than	.5	mg/L	12/17/18 16:23	GWE
Total Dissolved Solid-SM2540C	12	2.0	mg/L	12/14/18 14:16	JGR

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04190**

Wateree Well AP1-01 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 10:40

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP101TOC

AP1-01

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	5.63	0.268	mg/L	12/16/18 17:17	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
2102 North Lake Drive
Columbia, SC 29212
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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04191**

Wateree Well AP1-02 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 11:30

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP102TOC

AP1-02

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	4.98	0.268	mg/L	12/16/18 17:57	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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Columbia, SC 29212
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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04192**

Wateree Well AP1-09 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 13:40

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP103TOC

AP1-03

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	4.35	0.268	mg/L	12/16/18 18:36	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04193**

Wateree Well AP1-01A (NPDES/CCR)

Date & Time Sampled: December 11, 2018 09:15
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP101ATOC

AP1-01A

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	Less than	0.268	mg/L	12/16/18 19:16	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04194**

Wateree Well AP1-04 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 16:35

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP104TOC

AP1-04

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	9.46	0.268	mg/L	12/16/18 19:55	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04195**

Wateree Well AP1-05 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 13:40

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP105TOC

AP1-05

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	9.60	0.268	mg/L	12/16/18 20:35	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04196**

Wateree Well AP1-08 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 12:25

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP108TOC

AP1-08

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	37.3	0.536	mg/L	12/16/18 20:35	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04197**

Wateree Well AP1-03D (NPDES/CCR)

Date & Time Sampled: December 11, 2018 15:05
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP103DTCO

AP1-03D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	2.58	0.268	mg/L	12/16/18 23:01	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04198**

Wateree Well AP1-10 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 12:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP10TOC

AP1-10

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	4.99	0.268	mg/L	12/16/18 23:01	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04199**

Wateree Well AP1-11 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 15:50
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP11TOC

AP1-11

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	2.18	0.268	mg/L	12/17/18 02:20	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04200**

Wateree Well AP1-09D (NPDES/CCR)

Date & Time Sampled: December 12, 2018 08:25
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP109DTCO

AP1-09D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	1.14	0.268	mg/L	12/17/18 07:16	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04201**

Wateree Well AP1-11D (NPDES/CCR)

Date & Time Sampled: December 12, 2018 10:55
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP11DTCO

AP1-11D

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	1.27	0.268	mg/L	12/17/18 07:53	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



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2102 North Lake Drive
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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04202**

Wateree Well AP12 (NPDES/CCR)

Date & Time Sampled: December 12, 2018 09:30
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAAP12TOC

AP1-12

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	3.60	0.268	mg/L	12/17/18 08:33	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
2102 North Lake Drive
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 Tel: (803)217-9384
 Fax: (803) 217-9911

January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04203**

Wateree Well Field Blank TOC

Date & Time Sampled: December 12, 2018 09:00
 Date & Time Submitted: December 12, 2018 13:47
 Collected by: J.HILL Location Code: WAFBTOC

WA-FB

Login Record File: 181212004

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	Less than	0.268	mg/L	12/17/18 08:33	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



Central Laboratory (P-08)
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Columbia, SC 29212
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January 03, 2019

REPORT TO:
Mike Moore Rashida Marlowe

Sample ID: **BA04204**

Wateree Well AP1-09 (NPDES/CCR)

Date & Time Sampled: December 11, 2018 17:45

Date & Time Submitted: December 12, 2018 13:47

Collected by: J.HILL Location Code: WAAP109TOC

AP1-09

Login Record File: 181212005

CERTIFIED BY SCDHEC (LAB ID 32006):	Result	Reporting Limit(MRL)	Units	Completed Analysis Date & Time	Chemist
Total Organic Carbon, SM5310B	6.21	0.268	mg/L	12/19/18 09:31	CDB

If there are any questions concerning this sample, please contact the lab at (803) 217-9384.

Approved By: _____



APPENDIX B

Statistical Analysis of Detection Monitoring Groundwater Quality Results

Waterree Station
Statistical Summary for Pooled Locations

User Supplied Information

Date Range: 01/01/2018 to 06/06/2018

Option for LT Pts:

x 1.00

Pooled Locations:

MW-AP-01,MW-AP-01A,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08,MW-FGD-01

Parameter	Units	Count	Mean	Median	Maximum	Minimum	Std Dev	Sen Slope Units/yr	Normal / Log Normal	% of Non-Detects
Antimony, to	mg/L	16	0.001	0.001	0.001	0.001	0.000	0.000	No / No	100.00
Arsenic, tot	mg/L	16	0.197	0.002	1.290	0.001	0.428	0.000	No / No	43.75
Barium, tot	mg/L	16	0.172	0.183	0.291	0.047	0.073	-0.012	Yes / No	0.00
Beryllium, t	mg/L	16	0.002	0.002	0.002	0.002	0.000	0.000	No / No	100.00
Cadmium, tot	mg/L	16	0.001	0.001	0.001	0.001	0.000	0.000	No / No	100.00
Chromium, to	mg/L	16	0.001	0.001	0.001	0.001	0.000	0.000	No / No	93.75
Co, tot	mg/L	16	0.002	0.001	0.009	0.001	0.002	0.000	No / No	75.00
Fluoride, to	mg/L	16	0.361	0.285	0.990	0.200	0.229	0.000	No / No	62.50
Lead, tot	mg/L	16	0.001	0.001	0.001	0.001	0.000	0.000	No / No	75.00
Lithium, tot	mg/L	16	0.019	0.002	0.109	0.002	0.034	0.000	No / No	50.00
Mercury, tot	mg/L	16	0.000	0.000	0.000	0.000	0.000	0.000	No / No	100.00
Molybdenum,	mg/L	16	0.007	0.001	0.031	0.001	0.011	0.000	No / No	62.50
Radium 226 +	pCi/L	16	2.423	2.427	3.110	1.830	0.379	-0.514	Yes / Yes	0.00
Selenium, to	mg/L	16	0.005	0.005	0.005	0.005	0.000	0.000	No / No	93.75
Thallium, to	mg/L	16	0.001	0.001	0.001	0.001	0.000	-0.002	No / No	100.00

Shapiro-Wilk Normality test performed at 0.05 significance level.

Wateree Station
Assessment Monitoring Summary

Location Id: MW-AP-01

Background Data Information					Compliance Data Information												
<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u> <u>ND</u>	<u>Normal/</u> <u>Lognormal</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u> <u>ND</u>	<u>Trend</u>	<u>Normal/</u> <u>Lognormal</u>	<u>GWPS</u> <u>Basis</u>	<u>Comparison</u> <u>Test</u>	<u>Compare</u> <u>To</u>	<u>Comparison</u> <u>Value</u>	<u>GWPS</u>	<u>SSL</u>	
<u>Run Id:</u>	1	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	2	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.010	NO	
<u>Run Id:</u>	3	<u>Parameter:</u>	<u>Barium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.204	2.000	NO	
<u>Run Id:</u>	4	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	5	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	6	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO	
<u>Run Id:</u>	7	<u>Parameter:</u>	<u>Co, tot mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	8	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>														
---	---	---	---	---	07/30/2016	06/06/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.268	4.000	NO	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-01

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	9	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	10	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.040	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	11	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	12	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	13	Downward	Y / N	GWPS	CB-TheilSen	LCB	0.004	0.100	NO		
Normality test of residuals failed, switched to Theil-Sen																		
<u>Run Id:</u>	13	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	06/06/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.582	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	14	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	15	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-02

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	16	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	17	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.090	0.010	YES		
<u>Run Id:</u>	18	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	Upward	Y / Y	GWPS	CB-LinReg	LCB	0.207	2.000	NO		
Trend & Residuals after subtracting trend are normal, with equal variance.																		
<u>Run Id:</u>	19	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	20	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	21	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO		
<u>Run Id:</u>	22	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	23	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.231	4.000	NO		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-02

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	24	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	25	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	25	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.011	0.040	NO		
<u>Run Id:</u>	26	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	27	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.010	0.100	NO		
<u>Run Id:</u>	28	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	06/06/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.606	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	29	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	30	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-03

Background Data Information					Compliance Data Information												
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL	
<u>Run Id:</u>	31	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	32	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / N	GWPS	CI-Nrml Mean	LCL	0.658	0.010	YES	
<u>Run Id:</u>	33	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.128	2.000	NO	
<u>Run Id:</u>	34	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	35	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	36	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	37	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	38	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.429	4.000	NO	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-03

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	39	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	40	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.073	0.040	YES		
<u>Run Id:</u>	41	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	42	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	13	None	Y / N	GWPS	CI-Nrml Mean	LCL	0.000	0.100	NO		
Data is not normal and not log normal.																		
<u>Run Id:</u>	43	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	06/06/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	2.205	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	44	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	45	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-04

Background Data Information					Compliance Data Information												
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL	
<u>Run Id:</u>	46	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	47	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.005	0.010	NO	
<u>Run Id:</u>	48	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.166	2.000	NO	
<u>Run Id:</u>	49	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	50	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	51	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	52	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	53	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	0	None	N / Y	GWPS	CI-Log	LCL	0.159	4.000	NO	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-04

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	54	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	55	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.040	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	56	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	57	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	58	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	06/06/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	2.131	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	59	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	60	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station
Assessment Monitoring Summary

Location Id: MW-AP-05

Background Data Information					Compliance Data Information												
<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent ND</u>	<u>Normal/Lognormal</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent ND</u>	<u>Trend</u>	<u>Normal/Lognormal</u>	<u>GWPS Basis</u>	<u>Comparison Test</u>	<u>Compare To</u>	<u>Comparison Value</u>	<u>GWPS</u>	<u>SSL</u>	
<u>Run Id:</u> 61		<u>Parameter:</u> Antimony, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u> 62		<u>Parameter:</u> Arsenic, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	25	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.001	0.010	NO	
<u>Run Id:</u> 63		<u>Parameter:</u> Barium, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.185	2.000	NO	
<u>Run Id:</u> 64		<u>Parameter:</u> Beryllium, total mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u> 65		<u>Parameter:</u> Cadmium, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u> 66		<u>Parameter:</u> Chromium, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	38	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO	
<u>Run Id:</u> 67		<u>Parameter:</u> Co, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	75	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.006	NO	
<u>Run Id:</u> 68		<u>Parameter:</u> Fluoride, total mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	4.000	NO	
Confidence interval not calculated because all compliance data are non-detect.																	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-05

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	69	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	70	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.040	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	71	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	72	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	73	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	06/06/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.437	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	74	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	75	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station
Assessment Monitoring Summary

Location Id: MW-AP-08

Background Data Information					Compliance Data Information												
<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent ND</u>	<u>Normal/Lognormal</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent ND</u>	<u>Trend</u>	<u>Normal/Lognormal</u>	<u>GWPS Basis</u>	<u>Comparison Test</u>	<u>Compare To</u>	<u>Comparison Value</u>	<u>GWPS</u>	<u>SSL</u>	
<u>Run Id:</u> 76		<u>Parameter:</u> Antimony, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u> 77		<u>Parameter:</u> Arsenic, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.002	0.010	NO	
<u>Run Id:</u> 78		<u>Parameter:</u> Barium, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.135	2.000	NO	
<u>Run Id:</u> 79		<u>Parameter:</u> Beryllium, total mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	38	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.001	0.004	NO	
<u>Run Id:</u> 80		<u>Parameter:</u> Cadmium, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u> 81		<u>Parameter:</u> Chromium, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	50	None	N / Y	GWPS	CI-Log	LCL	0.001	0.100	NO	
<u>Run Id:</u> 82		<u>Parameter:</u> Co, tot mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.004	0.006	NO	
<u>Run Id:</u> 83		<u>Parameter:</u> Fluoride, total mg/L															
---	---	---	---	---	07/30/2016	06/06/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.207	4.000	NO	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-08

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	84	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	85	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	25	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.004	0.040	NO		
<u>Run Id:</u>	86	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	87	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	88	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	06/06/2018	8	0	None	N / Y	PARA TI	CI-Log	LCL	1.331	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	89	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.003	0.050	NO		
<u>Run Id:</u>	90	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	06/06/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station
Assessment Monitoring Summary

July 21, 2018
 12:29:04 PM

Location Id: MW-AP-08

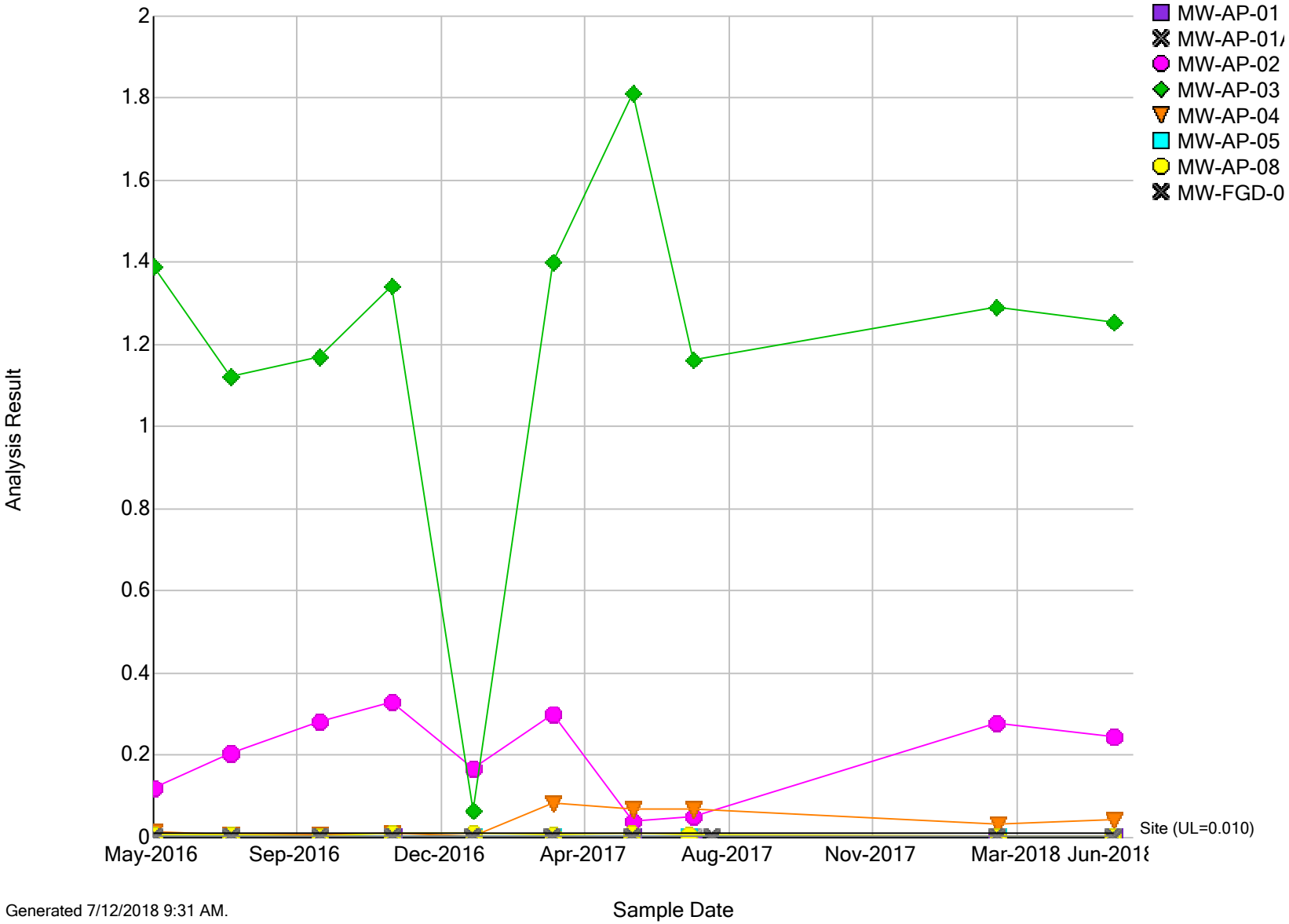
Background Data Information

Compliance Data Information

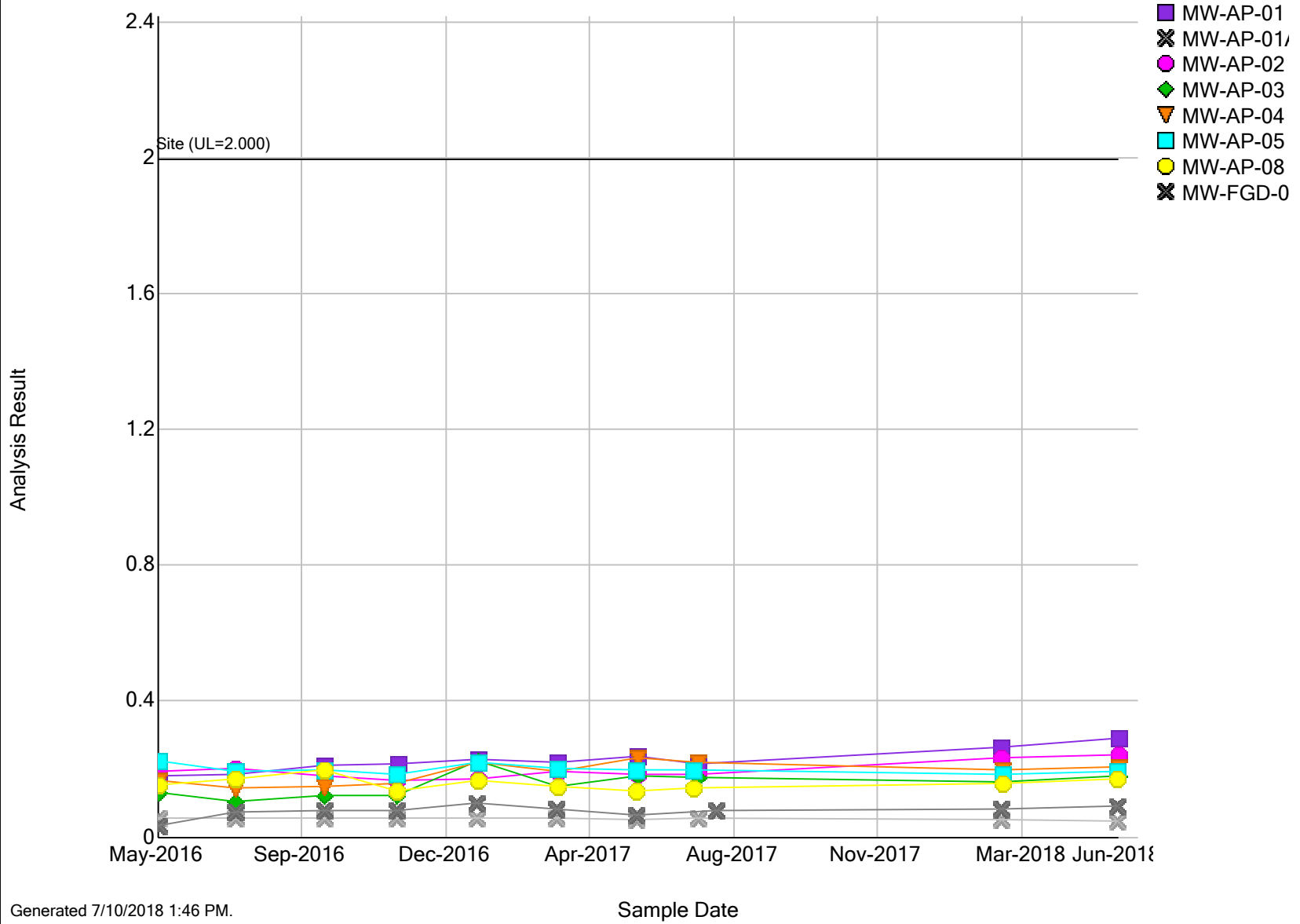
<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u> <u>ND</u>	<u>Normal/</u> <u>Lognormal</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u> <u>ND</u>	<u>Trend</u>	<u>Normal/</u> <u>Lognormal</u>	<u>GWPS</u> <u>Basis</u>	<u>Comparison</u> <u>Test</u>	<u>Compare</u> <u>To</u>	<u>Comparison</u> <u>Value</u>	<u>GWPS</u>	<u>SSL</u>
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UCL - Upper Confidence Level Value
 UCB - Upper Confidence Band Value at Last Sample Date
 LCL - Lower Confidence Level Value
 LCB - Lower Confidence Band Value at Last Sample Date
 Mean - Compliance Data Mean
 Median - Compliance Data Median
 Each - When background is based on Last, Median, Minimum Detection Limit
 PARA TI - Parametric Tolerance Interval
 NPARA TI - Non Parametric Tolerance Interval
 CI-Nrml - Confidence Interval around Normal Mean
 CI-Log - Confidence Interval around Log Normal Mean
 CI-NPARA - Non Parametric Confidence Interval around Median
 CB-LinReg - Confidence Band around Linear Regression
 CB-TheilSen - Confidence Band around Theil-Sen line

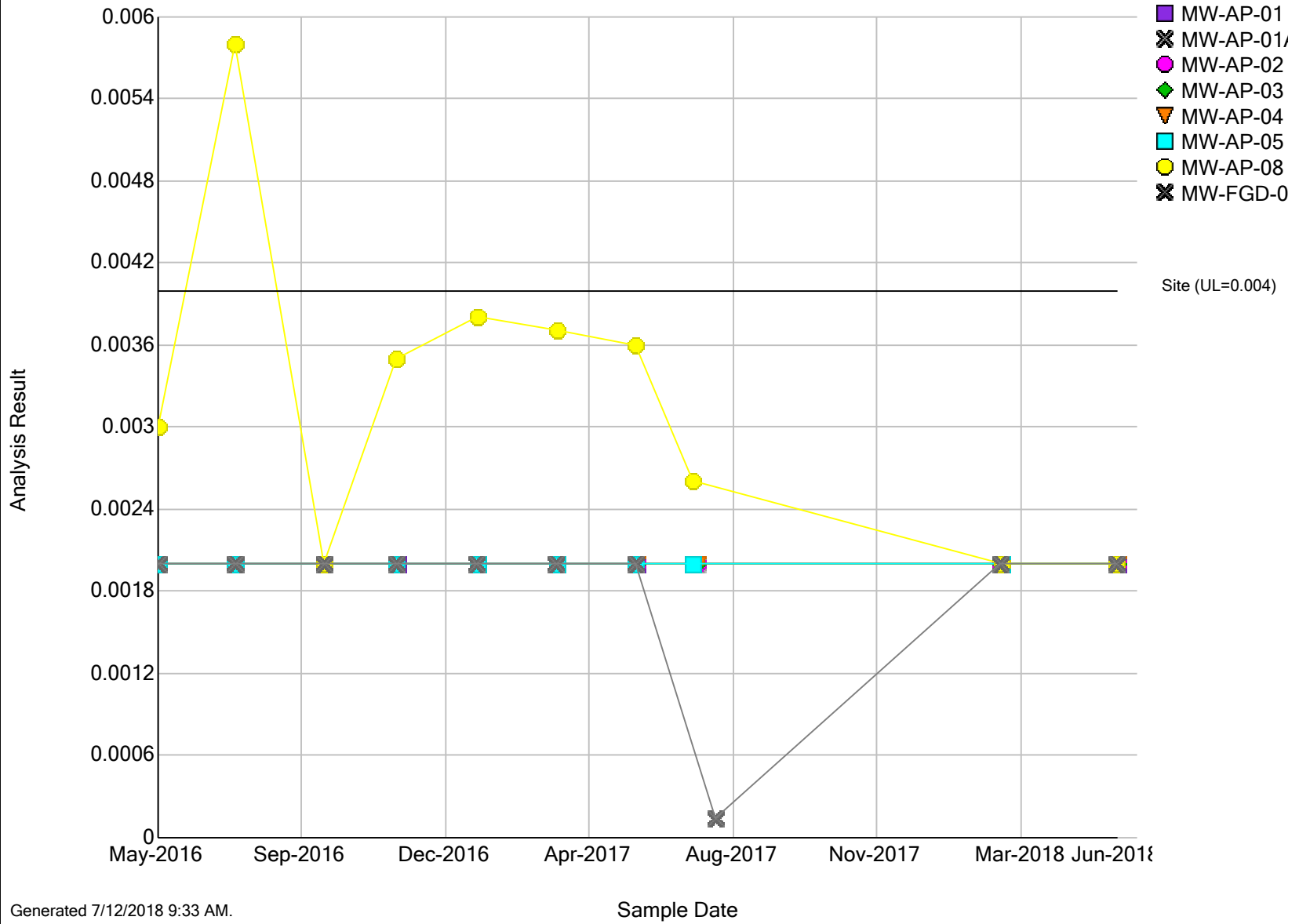
Arsenic, total (mg/L)



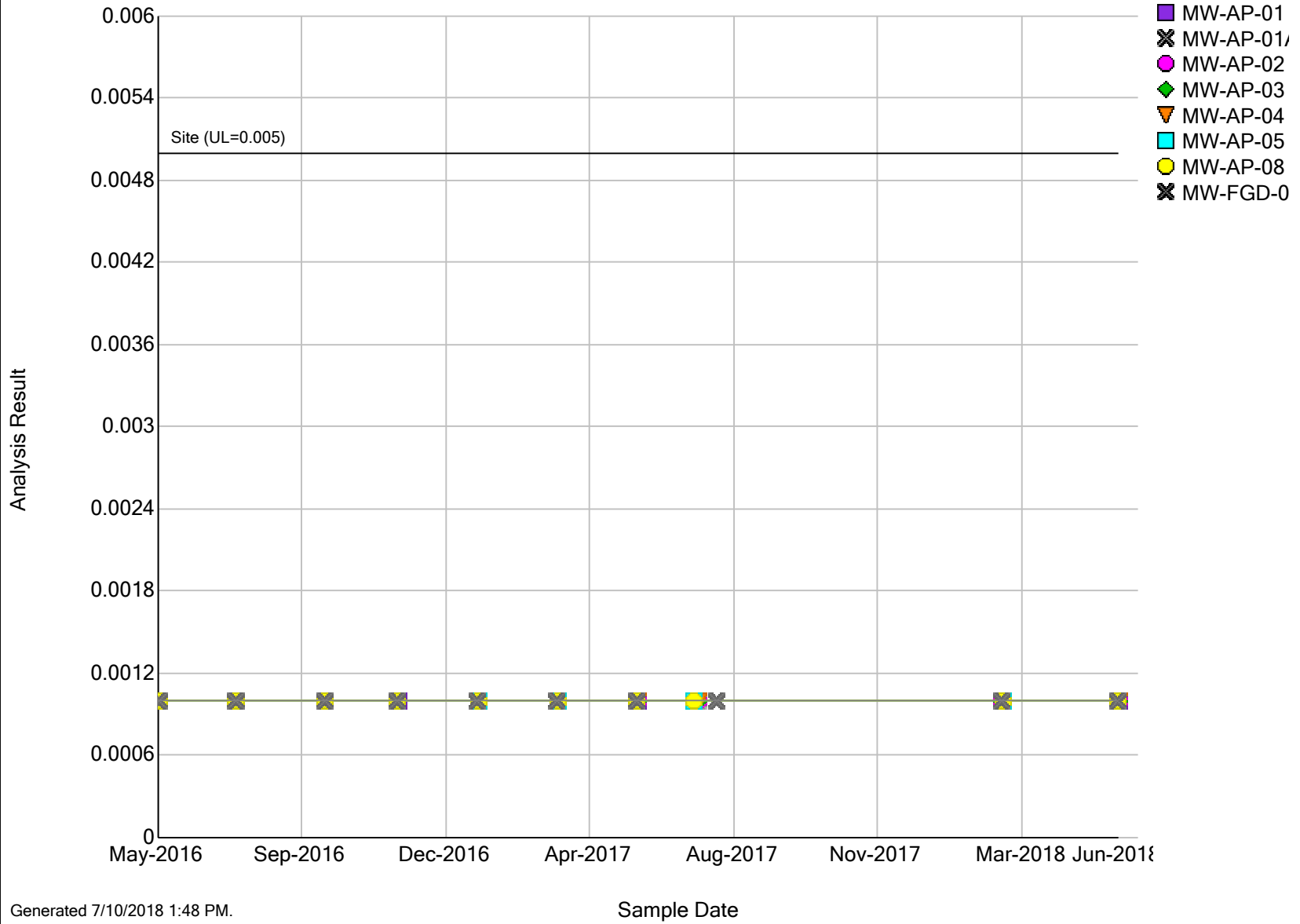
Barium, total (mg/L)



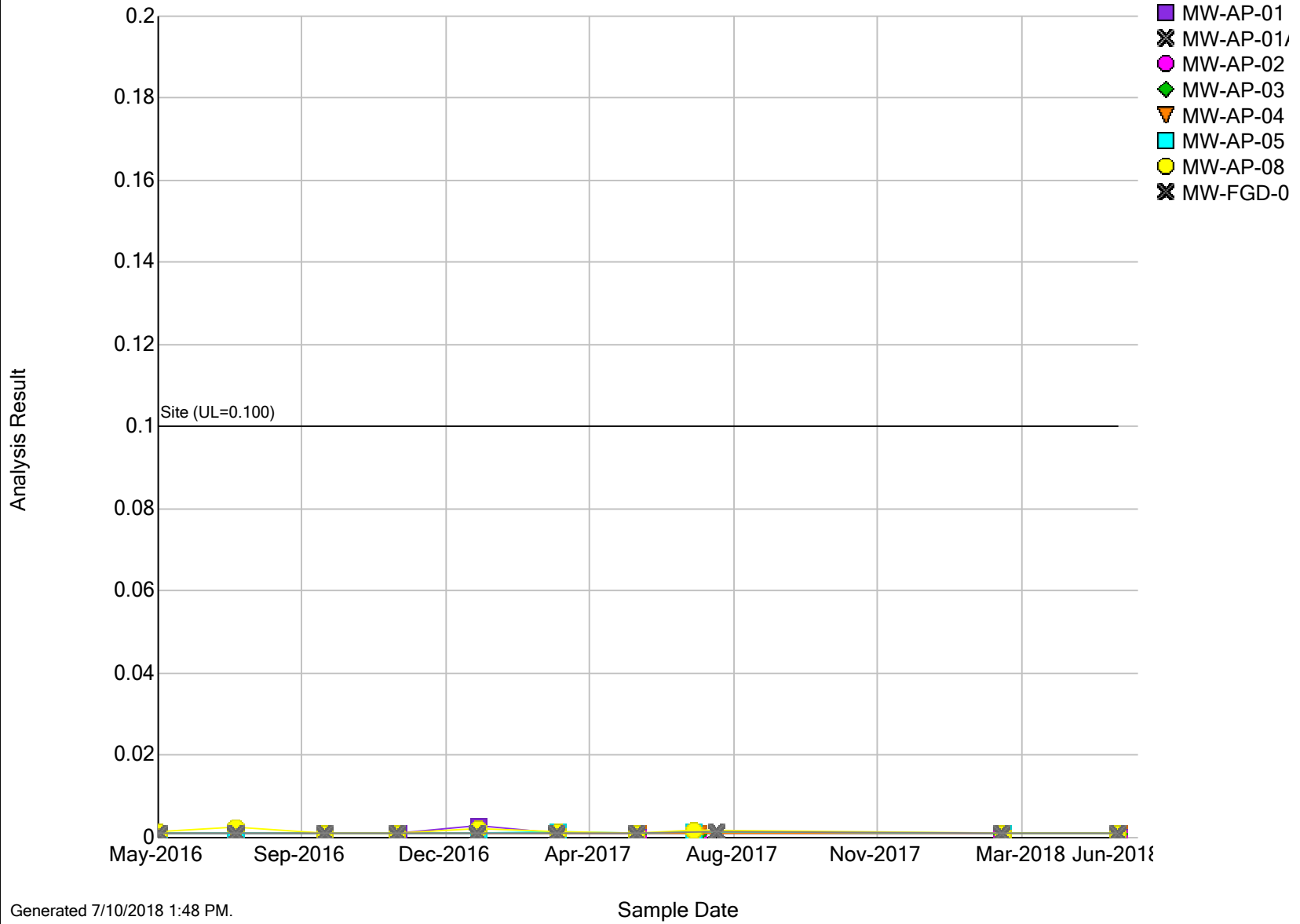
Beryllium, total (mg/L)



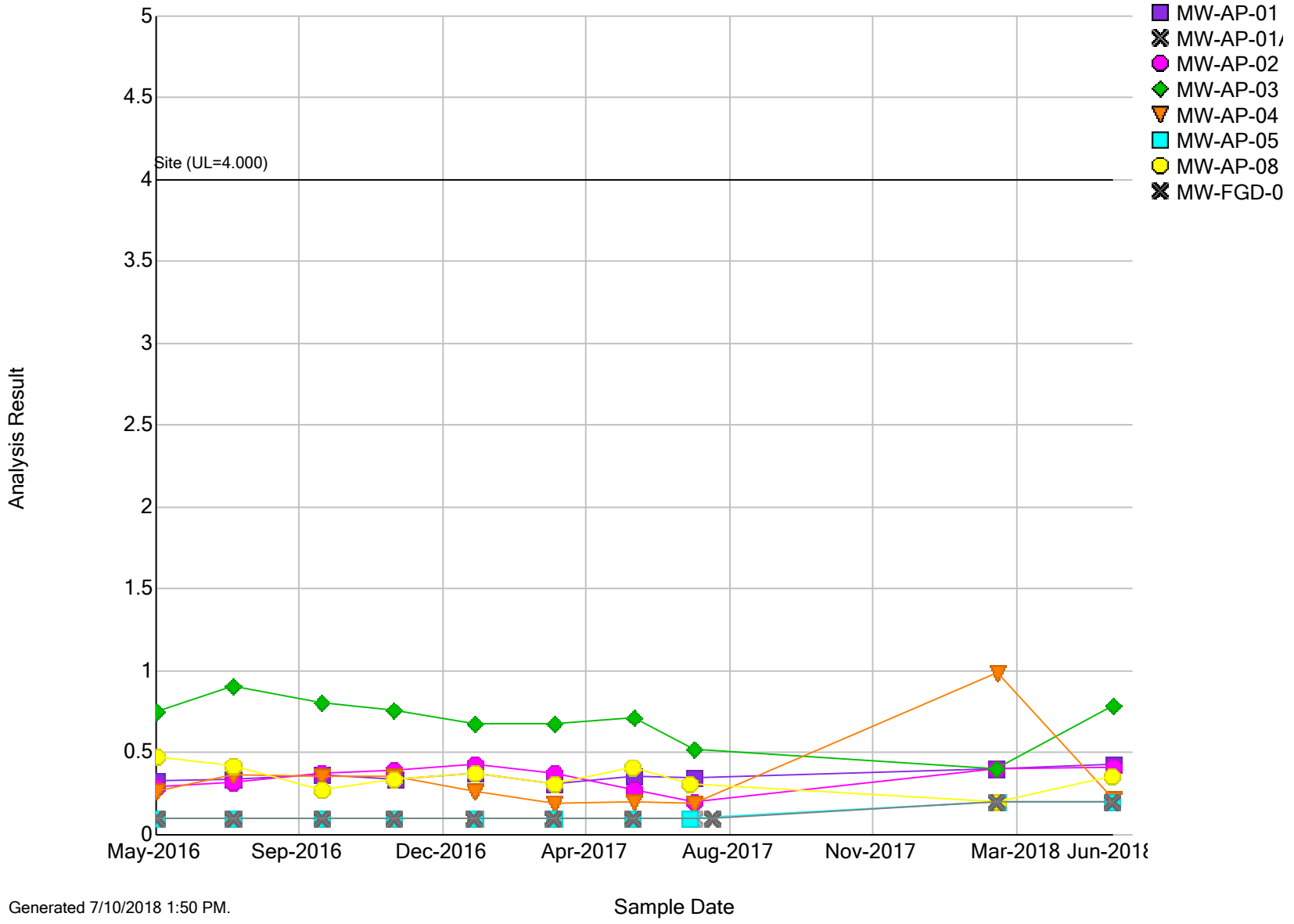
Cadmium, total (mg/L)



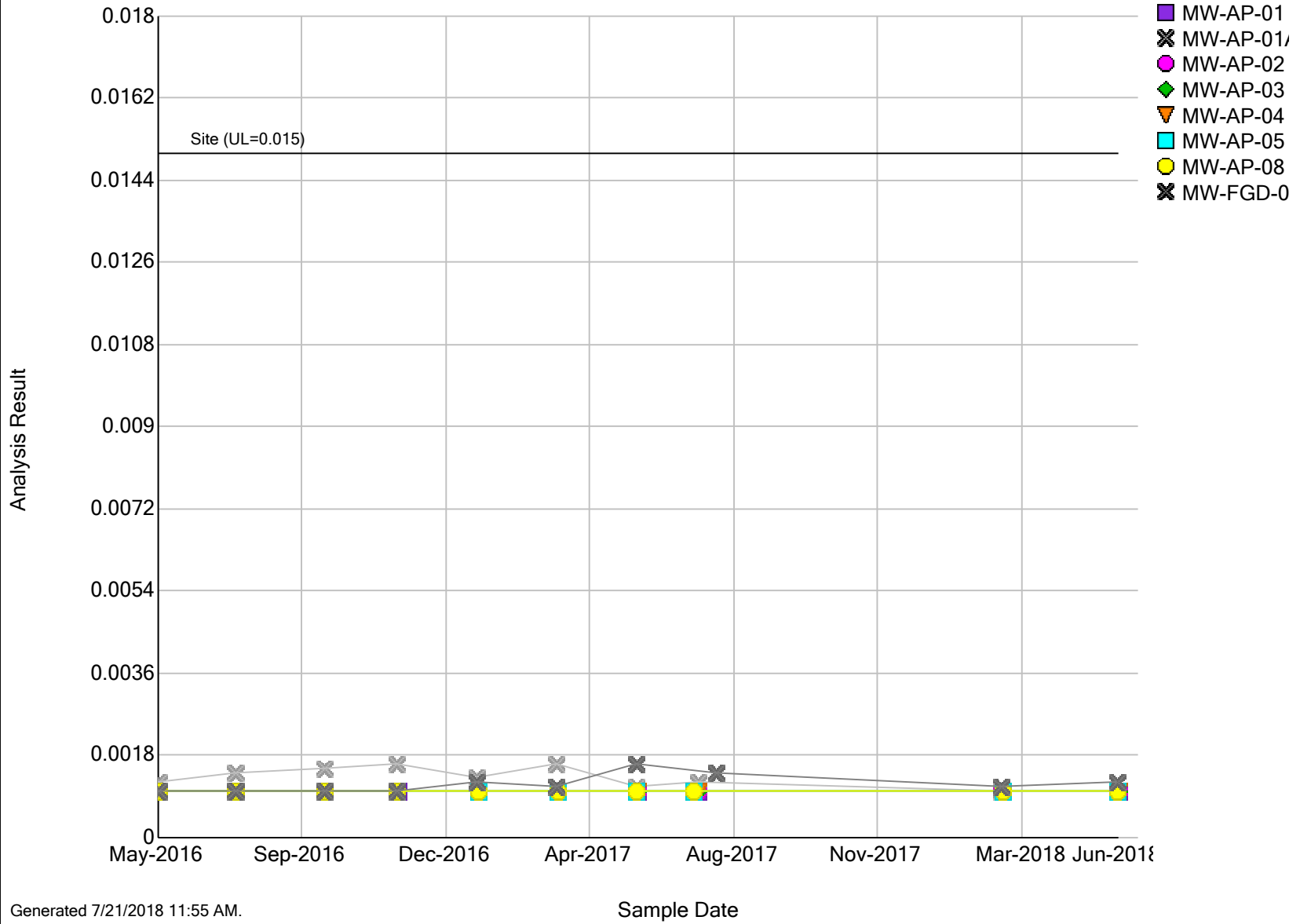
Chromium, total (mg/L)



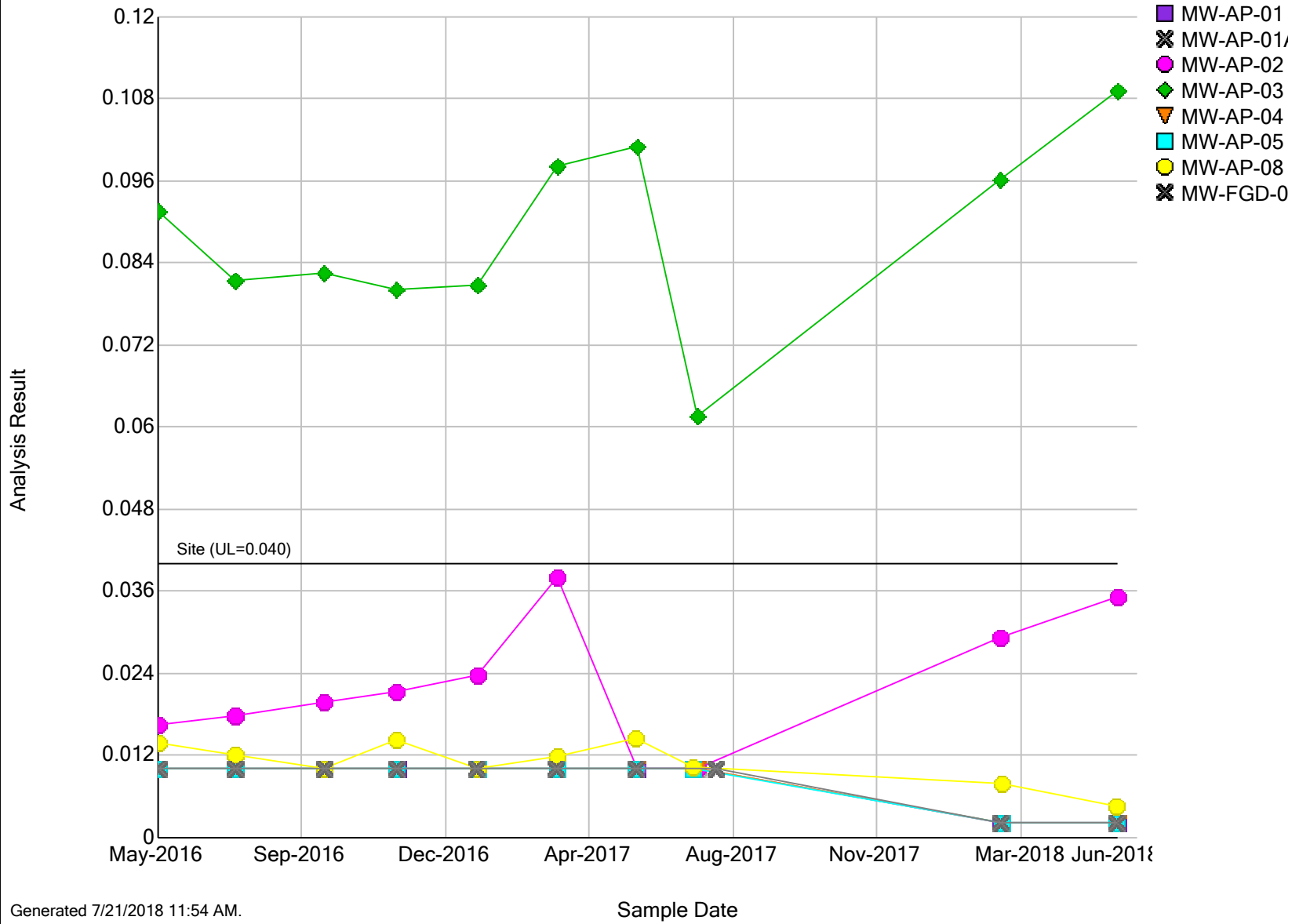
Fluoride, total (mg/L)



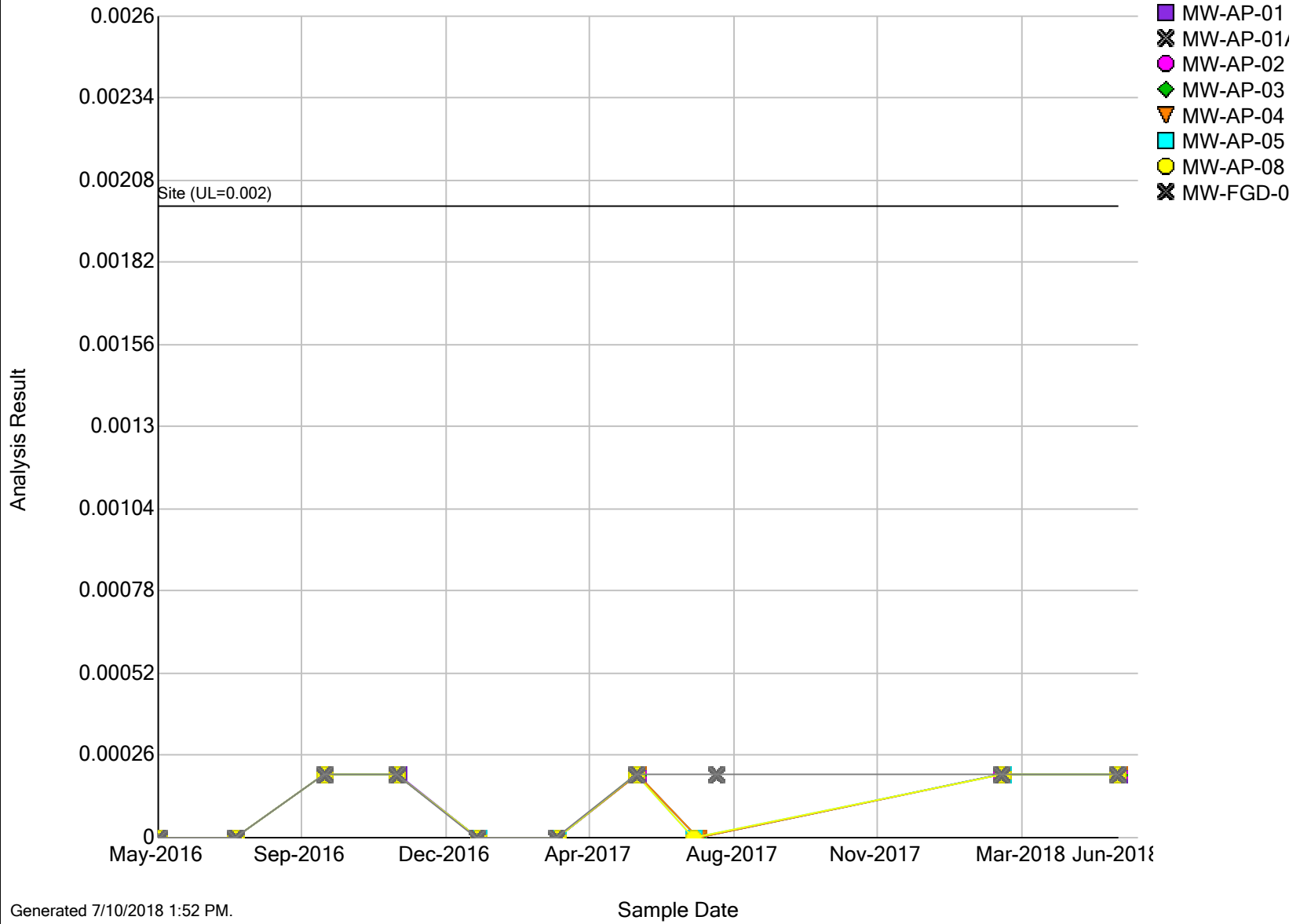
Lead, total (mg/L)



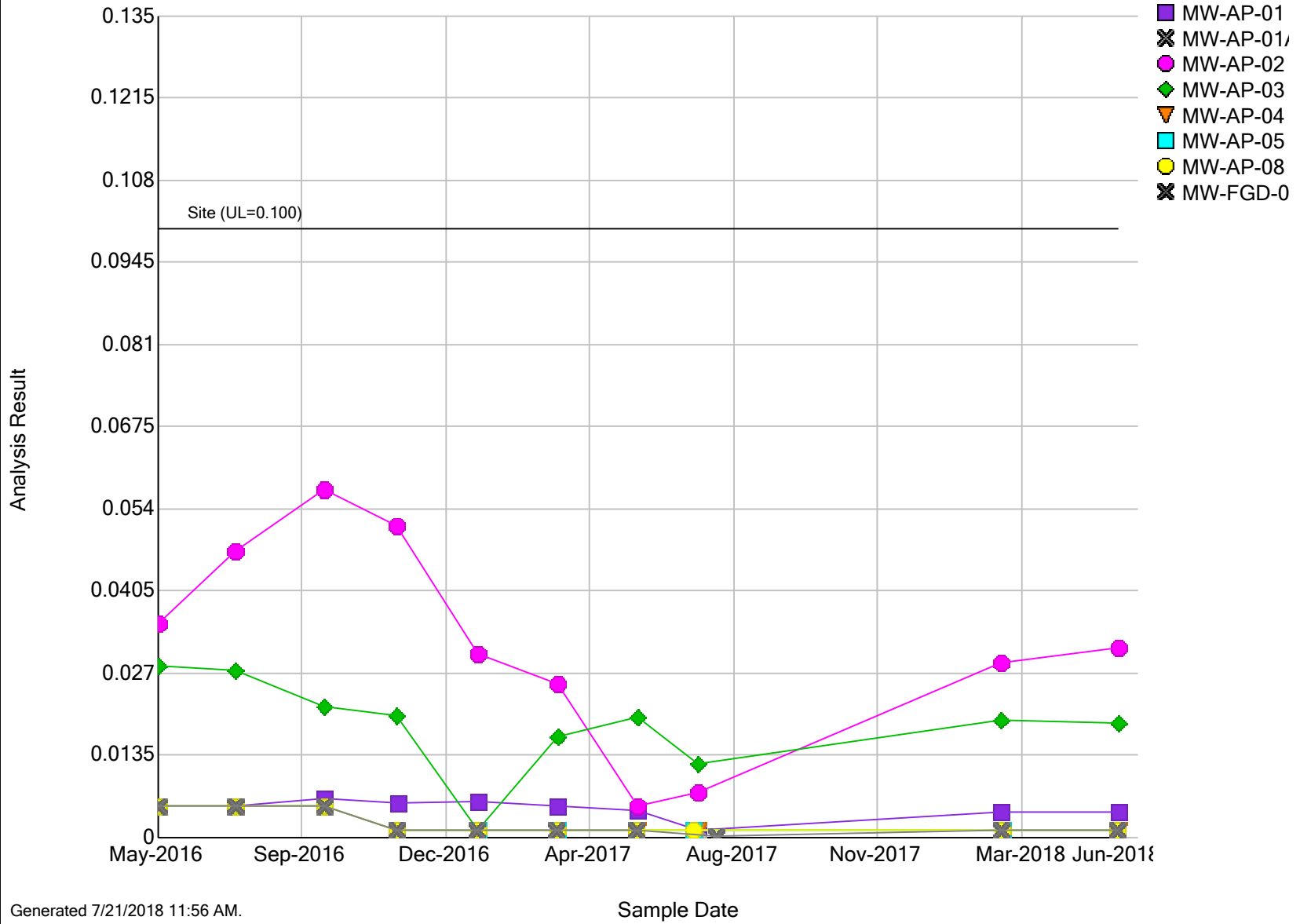
Lithium, total (mg/L)



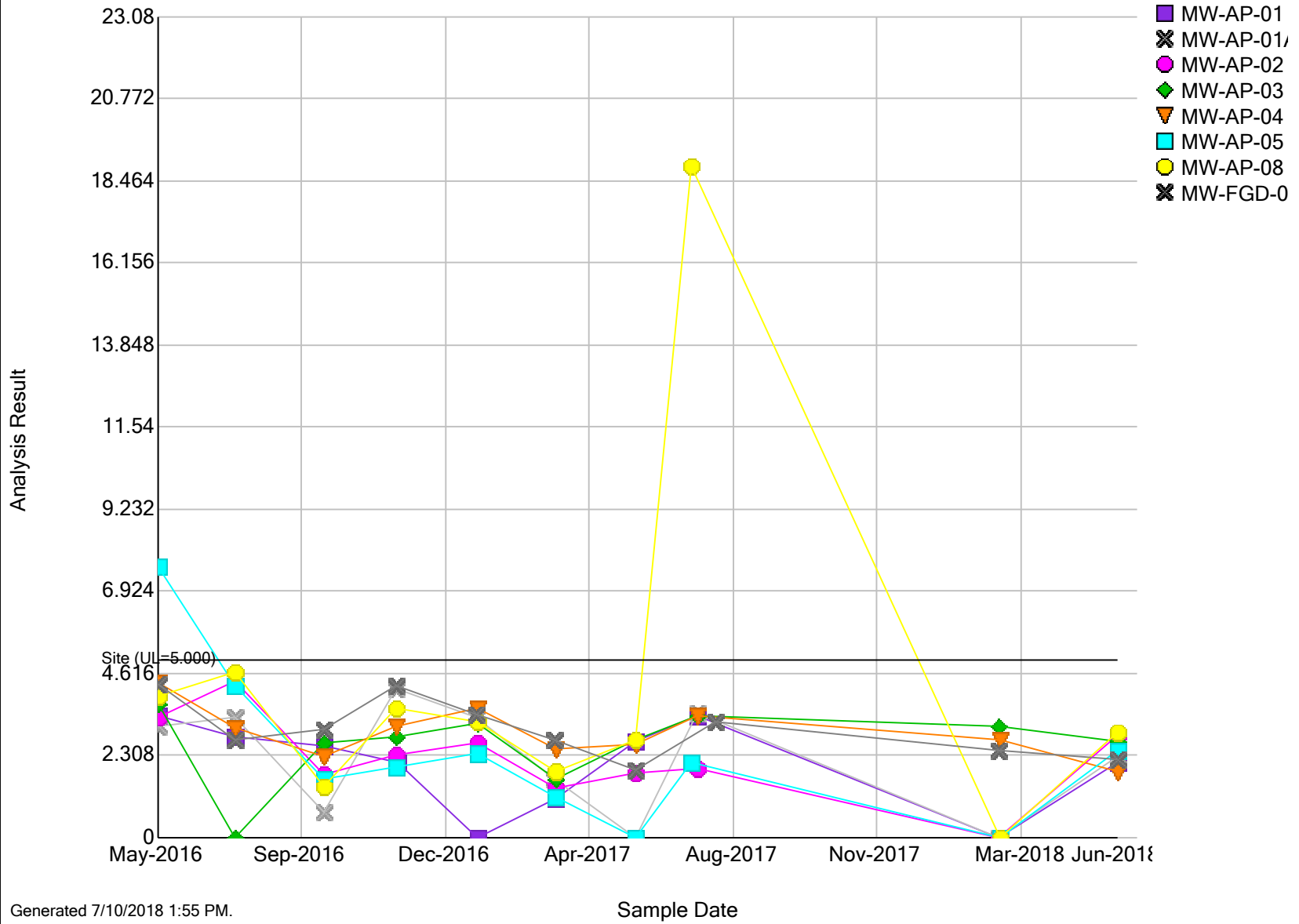
Mercury, total (mg/L)



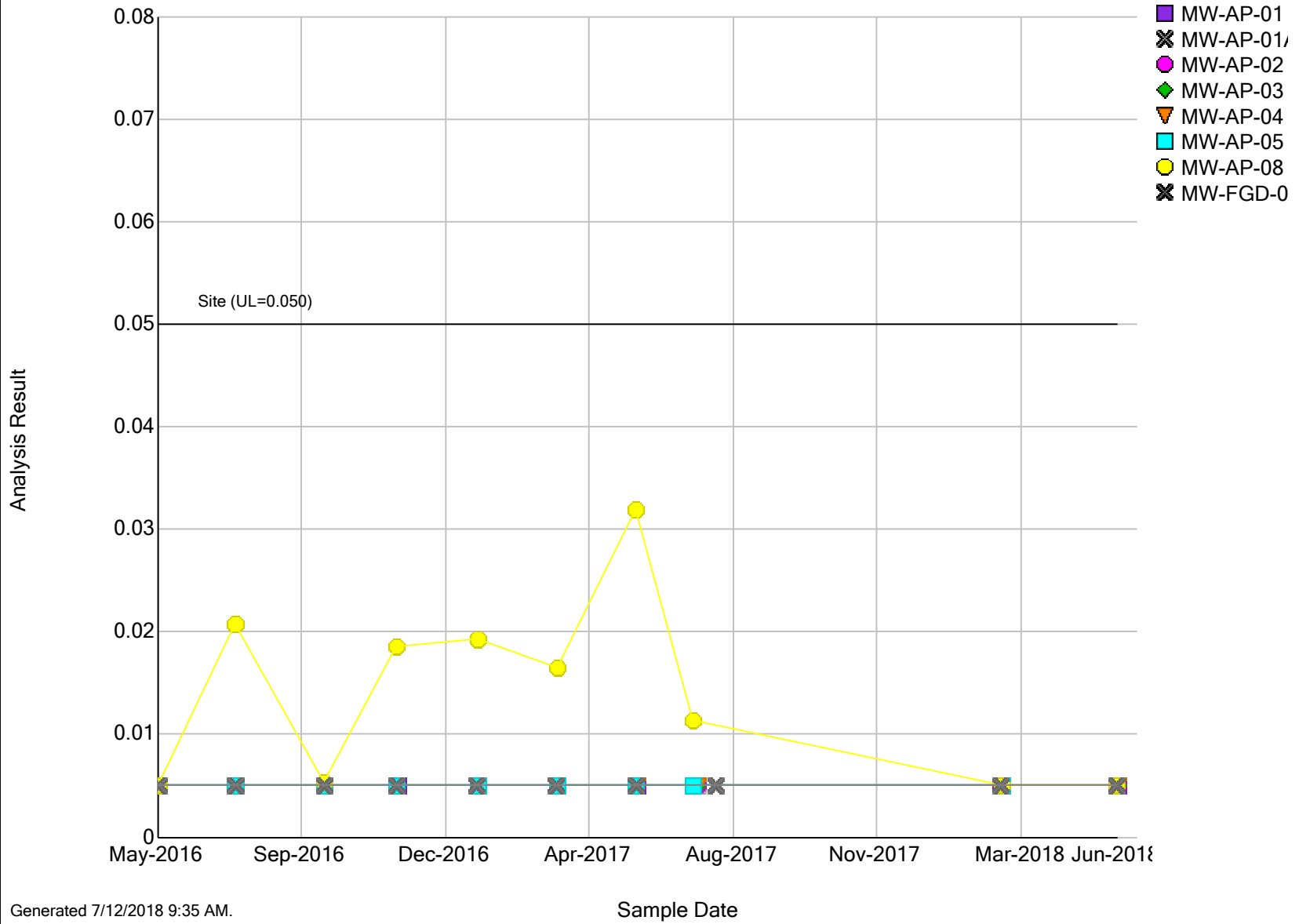
Molybdenum, total (mg/L)



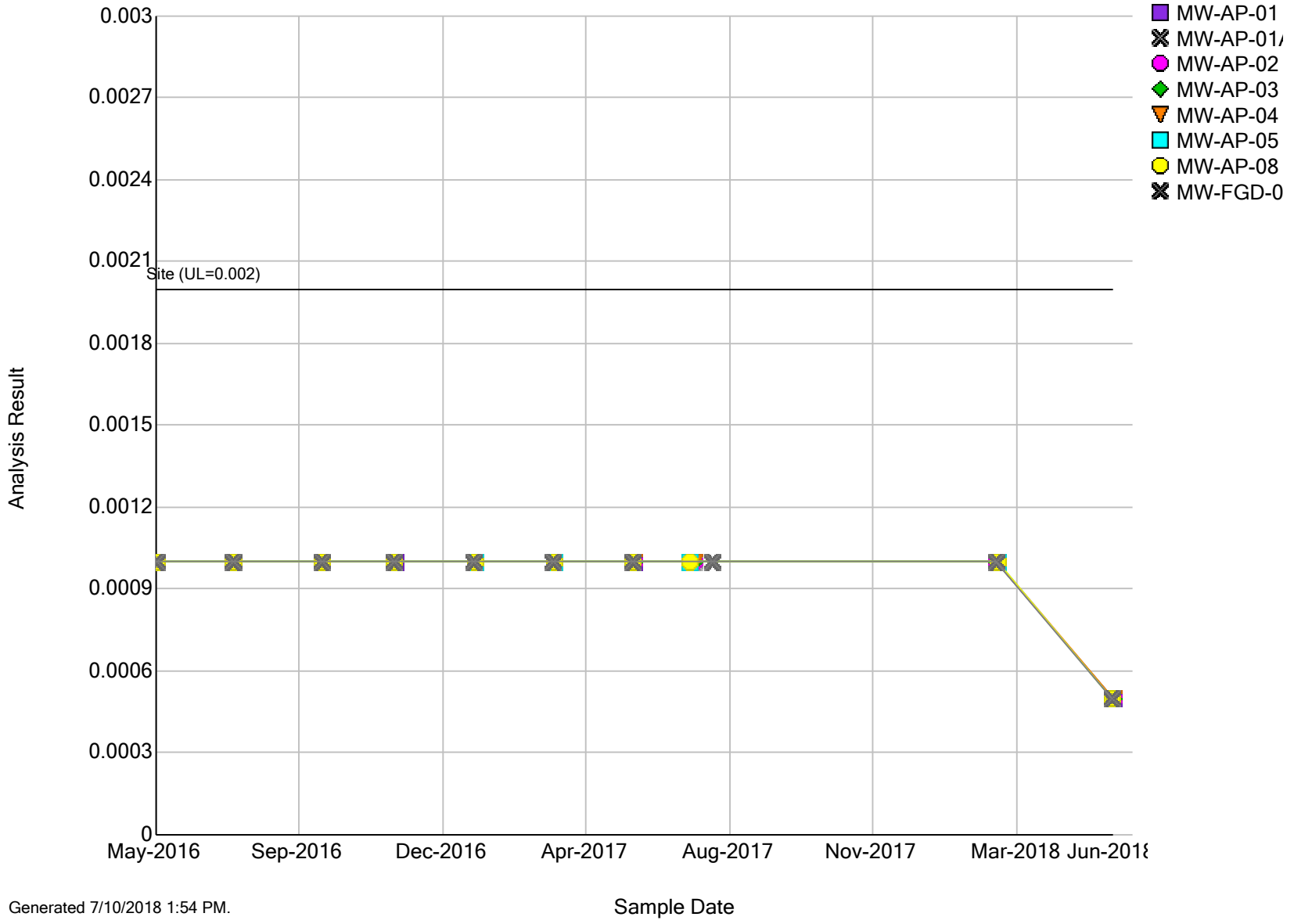
Radium 226 + radium 228, total (pCi/L)



Selenium, total (mg/L)



Thallium, total (mg/L)



Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 1

Location ID: MW-AP-01

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 2

Location ID: MW-AP-01	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.436
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 3

Location ID: MW-AP-01	Parameter Code: 01007
Confidence Level: 0.99	Parameter: Barium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.039	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.006	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.077	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	2.103
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 4

Location ID: MW-AP-01

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 5

Location ID: MW-AP-01

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 6

Location ID: MW-AP-01

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.436
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 7

Location ID: MW-AP-01	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 8

Location ID: MW-AP-01

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.036	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.074	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.099	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.113
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 9

Location ID: MW-AP-01	Parameter Code: 01051
Confidence Level: 0.99	Parameter: Lead, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 10

Location ID: MW-AP-01	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 11

Location ID: MW-AP-01	Parameter Code: 71900
Confidence Level: 0.99	Parameter: Mercury, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 12

Location ID: MW-AP-01	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.002	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.494
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	Downward

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 13

Location ID: MW-AP-01	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 09/19/2016 to 06/06/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.046	pCi/L per year
Lower Confidence Limit of Slope, M1:	-2.237	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	2.597	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 14

Location ID: MW-AP-01

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 15

Location ID: MW-AP-01

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 16

Location ID: MW-AP-02

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 17

Location ID: MW-AP-02

Parameter Code: 01002

Confidence Level: 0.99

Parameter: Arsenic, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.043	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.487	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.251	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.866
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 18

Location ID: MW-AP-02	Parameter Code: 01007
Confidence Level: 0.99	Parameter: Barium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.039	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.006	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.064	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	2.351
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	Upward

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 19

Location ID: MW-AP-02

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 20

Location ID: MW-AP-02

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 21

Location ID: MW-AP-02

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.436
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 22

Location ID: MW-AP-02	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 23

Location ID: MW-AP-02

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.003	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.480	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.169	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic: 0.000

Z test: 2.326

At the 1.0 % Confidence Level (One-Sided Test): None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 24

Location ID: MW-AP-02

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 25

Location ID: MW-AP-02	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 15% to <= 50% Substitute PQL	Percent of ND: 25

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.007	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.024	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.028	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.748
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 26

Location ID: MW-AP-02

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 27

Location ID: MW-AP-02	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.024	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.079	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.019	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.113
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 28

Location ID: MW-AP-02	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 09/19/2016 to 06/06/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.535	pCi/L per year
Lower Confidence Limit of Slope, M1:	-1.213	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	1.851	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.361
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 29

Location ID: MW-AP-02	Parameter Code: 01147
Confidence Level: 0.99	Parameter: Selenium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 30

Location ID: MW-AP-02	Parameter Code: 01059
Confidence Level: 0.99	Parameter: Thallium, total
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 31

Location ID: MW-AP-03	Parameter Code: 01097
Confidence Level: 0.99	Parameter: Antimony, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 32

Location ID: MW-AP-03

Parameter Code: 01002

Confidence Level: 0.99

Parameter: Arsenic, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.065	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.717	mg/L per year
Upper Confidence Limit of Slope, M2+1:	1.588	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.124
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 33

Location ID: MW-AP-03

Parameter Code: 01007

Confidence Level: 0.99

Parameter: Barium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.031	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.054	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.099	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.997
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 34

Location ID: MW-AP-03	Parameter Code: 01012
Confidence Level: 0.99	Parameter: Beryllium, total
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 35

Location ID: MW-AP-03

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 36

Location ID: MW-AP-03

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 37

Location ID: MW-AP-03	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 38

Location ID: MW-AP-03

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.246	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.400	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.104	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.113
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 39

Location ID: MW-AP-03

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 40

Location ID: MW-AP-03	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.013	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.027	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.052	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.113
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 41

Location ID: MW-AP-03

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 42

Location ID: MW-AP-03	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.013	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.017	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.866	
Z test:	2.326	
At the 1.0 % Confidence Level (One-Sided Test):	None	

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 43

Location ID: MW-AP-03	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 09/19/2016 to 06/06/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.160	pCi/L per year
Lower Confidence Limit of Slope, M1:	-1.477	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	1.856	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.371
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 44

Location ID: MW-AP-03

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 45

Location ID: MW-AP-03

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 46

Location ID: MW-AP-04

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 47

Location ID: MW-AP-04	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.020	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.043	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.145	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.866
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 48

Location ID: MW-AP-04

Parameter Code: 01007

Confidence Level: 0.99

Parameter: Barium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.033	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.028	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.133	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.247
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 49

Location ID: MW-AP-04

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 50

Location ID: MW-AP-04

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 51

Location ID: MW-AP-04

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 52

Location ID: MW-AP-04	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 53

Location ID: MW-AP-04

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.065	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.365	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.552	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.371
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 54

Location ID: MW-AP-04

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 55

Location ID: MW-AP-04	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 09/19/2016 to 06/05/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 56

Location ID: MW-AP-04

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 57

Location ID: MW-AP-04

Parameter Code: 01062

Confidence Level: 0.99

Parameter: Molybdenum, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 58

Location ID: MW-AP-04	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 09/19/2016 to 06/06/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.259	pCi/L per year
Lower Confidence Limit of Slope, M1:	-1.754	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	3.037	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.124
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 59

Location ID: MW-AP-04

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 60

Location ID: MW-AP-04

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 09/19/2016 to 06/05/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 61

Location ID: MW-AP-05

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 62

Location ID: MW-AP-05	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: > 15% to <= 50% Substitute PQL	Percent of ND: 25

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.002	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.885
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 63

Location ID: MW-AP-05	Parameter Code: 01007
Confidence Level: 0.99	Parameter: Barium, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.004	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.036	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.036	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.247
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 64

Location ID: MW-AP-05

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 65

Location ID: MW-AP-05

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 66

Location ID: MW-AP-05

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 15% to <= 50% Substitute PQL

Percent of ND: 38

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.001	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.329
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 67

Location ID: MW-AP-05	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 75

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.001	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.973
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 68

Location ID: MW-AP-05

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.083	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 69

Location ID: MW-AP-05

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 70

Location ID: MW-AP-05	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 71

Location ID: MW-AP-05

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 72

Location ID: MW-AP-05

Parameter Code: 01062

Confidence Level: 0.99

Parameter: Molybdenum, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 73

Location ID: MW-AP-05	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 09/19/2016 to 06/06/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.378	pCi/L per year
Lower Confidence Limit of Slope, M1:	-0.920	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	2.088	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.361
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 74

Location ID: MW-AP-05

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 75

Location ID: MW-AP-05

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 76

Location ID: MW-AP-08

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 77

Location ID: MW-AP-08	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.003	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.008	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.247
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 78

Location ID: MW-AP-08

Confidence Level: 0.99

Date Range: 09/19/2016 to 06/04/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 01007

Parameter: Barium, tot

Units: mg/L

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.092	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.031	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 79

Location ID: MW-AP-08

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 15% to <= 50% Substitute PQL

Percent of ND: 38

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.002	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.002	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.019
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 80

Location ID: MW-AP-08

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 81

Location ID: MW-AP-08

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 15% to <= 50% Substitute PQL

Percent of ND: 50

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.001	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.001	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.664
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 82

Location ID: MW-AP-08	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.007	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.022	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.025	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.619
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 83

Location ID: MW-AP-08

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.002	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.154	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.254	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 84

Location ID: MW-AP-08	Parameter Code: 01051
Confidence Level: 0.99	Parameter: Lead, tot
Date Range: 09/19/2016 to 06/04/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 85

Location ID: MW-AP-08

Parameter Code: 01132

Confidence Level: 0.99

Parameter: Lithium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 15% to <= 50% Substitute PQL

Percent of ND: 25

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.004	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.009	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.008	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.997
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 86

Location ID: MW-AP-08

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 87

Location ID: MW-AP-08

Parameter Code: 01062

Confidence Level: 0.99

Parameter: Molybdenum, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 88

Location ID: MW-AP-08	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 09/19/2016 to 06/06/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.258	pCi/L per year
Lower Confidence Limit of Slope, M1:	-3.468	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	22.769	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.124
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 89

Location ID: MW-AP-08

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.008	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.017	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.038	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.997
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 90

Location ID: MW-AP-08

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 09/19/2016 to 06/04/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Wateree Station

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Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 13

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 28

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 43

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 58

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 73

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 88

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01		Parameter: Barium, tot mg/L		Run Id: 3									
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Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.234	0.029	2.998	0.204	0.265	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.209	0.209	0.001	0.010	0.000	N
11/16/2016	0.215	0.215	0.001	0.010	0.000	N
01/18/2017	0.229	0.229	0.002	0.010	0.000	N
03/21/2017	0.218	0.218	0.002	0.010	0.000	N
05/23/2017	0.236	0.236	0.002	0.010	0.000	N
07/10/2017	0.214	0.214	0.002	0.010	0.000	N
03/05/2018	0.263	0.263	0.002	0.010	0.000	N
06/05/2018	0.291	0.291	0.002	0.010	0.000	N

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01		Parameter: Fluoride, total mg/L		Run Id: 8									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.338	0.066	2.998	0.268	0.407	n	13	0% to <= 15% Substitute 1/2 PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.363	0.363	0.033	0.100	0.000					N		
11/16/2016		0.334	0.334	0.033	0.100	0.000					N		
01/18/2017		0.372	0.372	0.033	0.100	0.000					N		
03/21/2017		0.311	0.311	0.033	0.100	0.000					N		
05/23/2017		0.351	0.351	0.033	0.100	0.000					N		
07/10/2017		0.340	0.340	0.033	0.100	0.000					N		
03/05/2018		0.200	0.050	0.050	0.400	0.000					Y		
06/05/2018		0.430	0.430	0.025	0.200	0.000					N		

Wateree Station

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 13									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.307	0.684	2.998	1.582	3.033	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	2.560	2.560	0.000	0.000	0.000	N							
11/16/2016	2.114	2.114	0.000	0.000	0.000	N							
01/18/2017	1.946	1.946	0.000	0.000	0.000	N							
03/21/2017	1.075	1.075	0.000	0.000	0.000	N							
05/23/2017	2.701	2.701	0.000	0.000	0.000	N							
07/10/2017	3.430	3.430	0.000	0.000	0.000	N							
03/05/2018	2.552	2.552	1.883	0.000	0.000	N							
06/06/2018	2.080	2.080	2.008	0.000	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Arsenic, tot mg/L		Run Id: 17									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.210	0.113	2.998	0.090	0.330	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.280	0.280	0.000	0.001	0.000	N						
11/15/2016		0.330	0.330	0.000	0.001	0.000	N						
01/18/2017		0.166	0.166	0.000	0.001	0.000	N						
03/21/2017		0.298	0.298	0.000	0.001	0.000	N						
05/23/2017		0.039	0.039	0.000	0.001	0.000	N						
07/10/2017		0.049	0.049	0.000	0.001	0.000	N						
03/05/2018		0.278	0.278	0.004	0.010	0.000	N						
06/05/2018		0.243	0.243	0.003	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Fluoride, total mg/L		Run Id: 23									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.330	0.094	2.998	0.231	0.430	n	13	0% to <= 15% Substitute ½ PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.372	0.372	0.033	0.100	0.000	N						
11/15/2016		0.391	0.391	0.033	0.100	0.000	N						
01/18/2017		0.430	0.430	0.033	0.100	0.000	N						
03/21/2017		0.372	0.372	0.033	0.100	0.000	N						
05/23/2017		0.269	0.269	0.033	0.100	0.000	N						
07/10/2017		0.199	0.199	0.033	0.100	0.000	N						
03/05/2018		0.200	0.050	0.050	0.400	0.000	Y						
06/05/2018		0.410	0.410	0.025	0.200	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Lithium, tot mg/L		Run Id: 25									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.022	0.011	2.998	0.011	0.034	n	25	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.040
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	0.020	0.020	0.002	0.010	0.000	N							
11/15/2016	0.021	0.021	0.002	0.010	0.000	N							
01/18/2017	0.024	0.024	0.002	0.010	0.000	N							
03/21/2017	0.038	0.038	0.002	0.010	0.000	N							
05/23/2017	0.010	0.010	0.002	0.010	0.000	Y							
07/10/2017	0.010	0.006	0.002	0.010	0.000	Y							
03/05/2018	0.029	0.029	0.000	0.002	0.000	N							
06/05/2018	0.035	0.035	0.001	0.002	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Molybdenum, total mg/L		Run Id: 27									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.029	0.018	2.998	0.010	0.049	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	0.057	0.057	0.002	0.005	0.000	N							
11/15/2016	0.051	0.051	0.000	0.001	0.000	N							
01/18/2017	0.030	0.030	0.000	0.001	0.000	N							
03/21/2017	0.025	0.025	0.000	0.001	0.000	N							
05/23/2017	0.005	0.005	0.000	0.001	0.000	N							
07/10/2017	0.007	0.007	0.000	0.001	0.000	N							
03/05/2018	0.029	0.029	0.000	0.001	0.000	N							
06/05/2018	0.031	0.031	0.000	0.001	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 28									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.137	0.501	2.998	1.606	2.668	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	1.775	1.775	0.000	0.000	0.000	N							
11/15/2016	2.308	2.308	0.000	0.000	0.000	N							
01/18/2017	2.650	2.650	0.000	0.000	0.000	N							
03/21/2017	1.374	1.374	0.000	0.000	0.000	N							
05/23/2017	1.807	1.807	0.000	0.000	0.000	N							
07/10/2017	1.911	1.911	0.000	0.000	0.000	N							
03/05/2018	2.415	2.415	1.938	0.000	0.000	N							
06/06/2018	2.855	2.855	1.640	0.000	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Arsenic, tot mg/L		Run Id: 32									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	1.186	0.498	2.998	0.658	1.713	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	1.170	1.170	0.000	0.001	0.000	N							
11/15/2016	1.340	1.340	0.000	0.001	0.000	N							
01/18/2017	0.064	0.064	0.000	0.001	0.000	N							
03/21/2017	1.400	1.400	0.000	0.001	0.000	N							
05/23/2017	1.810	1.810	0.000	0.025	0.000	N							
07/10/2017	1.160	1.160	0.000	0.001	0.000	N							
03/05/2018	1.290	1.290	0.004	0.010	0.000	N							
06/05/2018	1.252	1.252	0.006	0.020	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Barium, tot mg/L		Run Id: 33									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.165	0.035	2.998	0.128	0.202	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.122	0.122	0.001	0.010	0.000	N						
11/15/2016		0.120	0.120	0.001	0.010	0.000	N						
01/18/2017		0.226	0.226	0.002	0.010	0.000	N						
03/21/2017		0.150	0.150	0.002	0.010	0.000	N						
05/23/2017		0.182	0.182	0.002	0.010	0.000	N						
07/10/2017		0.175	0.175	0.002	0.010	0.000	N						
03/05/2018		0.164	0.164	0.002	0.010	0.000	N						
06/05/2018		0.182	0.182	0.002	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Fluoride, total mg/L		Run Id: 38									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	0.640	0.199	2.998	0.429	0.851	n	13	0% to <= 15% Substitute 1/2 PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.805	0.805	0.033	0.100	0.000					N		
11/15/2016		0.759	0.759	0.033	0.100	0.000					N		
01/18/2017		0.672	0.672	0.033	0.100	0.000					N		
03/21/2017		0.673	0.673	0.033	0.100	0.000					N		
05/23/2017		0.715	0.715	0.033	0.100	0.000					N		
07/10/2017		0.518	0.518	0.033	0.100	0.000					N		
03/05/2018		0.200	0.050	0.050	0.400	0.000					Y		
06/05/2018		0.780	0.780	0.025	0.200	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Lithium, tot mg/L		Run Id: 40									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.089	0.015	2.998	0.073	0.105	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	0.040
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.083	0.083	0.002	0.010	0.000					N		
11/15/2016		0.080	0.080	0.002	0.010	0.000					N		
01/18/2017		0.081	0.081	0.002	0.010	0.000					N		
03/21/2017		0.098	0.098	0.002	0.010	0.000					N		
05/23/2017		0.101	0.101	0.002	0.010	0.000					N		
07/10/2017		0.062	0.062	0.002	0.010	0.000					N		
03/05/2018		0.096	0.096	0.000	0.002	0.000					N		
06/05/2018		0.109	0.109	0.001	0.002	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 43									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.785	0.547	2.998	2.205	3.365	n	0	0% to <= 15% Substitute 1/2 PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	2.660	2.660	0.000	0.000	0.000	N							
11/15/2016	2.830	2.830	0.000	0.000	0.000	N							
01/18/2017	3.210	3.210	0.000	0.000	0.000	N							
03/21/2017	1.611	1.611	0.000	0.000	0.000	N							
05/23/2017	2.730	2.730	0.000	0.000	0.000	N							
07/10/2017	3.420	3.420	0.000	0.000	0.000	N							
03/05/2018	3.110	3.110	2.283	0.000	0.000	N							
06/06/2018	2.710	2.710	1.558	0.000	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-04		Parameter: Arsenic, tot mg/L		Run Id: 47									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.038	0.032	2.998	0.005	0.072	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	0.006	0.006	0.000	0.001	0.000	N							
11/15/2016	0.008	0.008	0.000	0.001	0.000	N							
01/18/2017	0.002	0.002	0.000	0.001	0.000	N							
03/21/2017	0.081	0.081	0.000	0.001	0.000	N							
05/23/2017	0.067	0.067	0.000	0.001	0.000	N							
07/10/2017	0.069	0.069	0.000	0.001	0.000	N							
03/06/2018	0.030	0.030	0.000	0.001	0.000	N							
06/05/2018	0.043	0.043	0.000	0.001	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-04		Parameter: Barium, tot mg/L		Run Id: 48									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.197	0.029	2.998	0.166	0.228	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.149	0.149	0.001	0.010	0.000					N		
11/15/2016		0.159	0.159	0.001	0.010	0.000					N		
01/18/2017		0.218	0.218	0.002	0.010	0.000					N		
03/21/2017		0.194	0.194	0.002	0.010	0.000					N		
05/23/2017		0.234	0.234	0.002	0.010	0.000					N		
07/10/2017		0.218	0.218	0.002	0.010	0.000					N		
03/06/2018		0.198	0.198	0.002	0.010	0.000					N		
06/05/2018		0.206	0.206	0.002	0.010	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-04		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 58									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.762	0.595	2.998	2.131	3.393	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	2.255	2.255	0.000	0.000	0.000	N							
11/15/2016	3.110	3.110	0.000	0.000	0.000	N							
01/18/2017	3.640	3.640	0.000	0.000	0.000	N							
03/21/2017	2.480	2.480	0.000	0.000	0.000	N							
05/23/2017	2.620	2.620	0.000	0.000	0.000	N							
07/10/2017	3.400	3.400	0.000	0.000	0.000	N							
03/06/2018	2.740	2.740	2.028	0.000	0.000	N							
06/06/2018	1.854	1.854	1.435	0.000	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-05		Parameter: Arsenic, tot mg/L		Run Id: 62									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.001	0.001	2.998	0.001	0.002	n	25	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.002	0.002	0.000	0.001	0.000	N						
11/15/2016		0.002	0.002	0.000	0.001	0.000	N						
01/18/2017		0.002	0.002	0.000	0.001	0.000	N						
03/21/2017		0.001	0.001	0.000	0.001	0.000	N						
05/22/2017		0.001	0.001	0.000	0.001	0.000	N						
07/06/2017		0.001	0.001	0.000	0.001	0.000	Y						
03/06/2018		0.001	0.001	0.000	0.001	0.000	N						
06/04/2018		0.001	0.001	0.000	0.001	0.000	Y						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-05		Parameter: Barium, tot mg/L		Run Id: 63									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.197	0.011	2.998	0.185	0.209	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.199	0.199	0.001	0.010	0.000	N						
11/15/2016		0.184	0.184	0.001	0.010	0.000	N						
01/18/2017		0.218	0.218	0.002	0.010	0.000	N						
03/21/2017		0.201	0.201	0.002	0.010	0.000	N						
05/22/2017		0.199	0.199	0.002	0.010	0.000	N						
07/06/2017		0.197	0.197	0.002	0.010	0.000	N						
03/06/2018		0.183	0.183	0.002	0.010	0.000	N						
06/04/2018		0.195	0.195	0.002	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-05		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 73									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	1.918	0.454	2.998	1.437	2.399	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	1.643	1.643	0.000	0.000	0.000	N							
11/15/2016	1.956	1.956	0.000	0.000	0.000	N							
01/18/2017	2.330	2.330	0.000	0.000	0.000	N							
03/21/2017	1.118	1.118	0.000	0.000	0.000	N							
05/22/2017	1.525	1.525	0.000	0.000	0.000	N							
07/06/2017	2.110	2.110	0.000	0.000	0.000	N							
03/06/2018	2.225	2.225	1.964	0.000	0.000	N							
06/06/2018	2.438	2.438	2.153	0.000	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Arsenic, tot mg/L		Run Id: 77									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.005	0.003	2.998	0.002	0.008	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.002	0.002	0.000	0.001	0.000	N						
11/15/2016		0.009	0.009	0.000	0.001	0.000	N						
01/18/2017		0.008	0.008	0.000	0.001	0.000	N						
03/21/2017		0.006	0.006	0.000	0.001	0.000	N						
05/22/2017		0.008	0.008	0.000	0.001	0.000	N						
07/06/2017		0.005	0.005	0.000	0.001	0.000	N						
03/06/2018		0.002	0.002	0.000	0.001	0.000	N						
06/04/2018		0.002	0.002	0.000	0.001	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Barium, tot mg/L		Run Id: 78									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.157	0.021	2.998	0.135	0.179	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	0.198	0.198	0.001	0.010	0.000	N							
11/15/2016	0.137	0.137	0.001	0.010	0.000	N							
01/18/2017	0.167	0.167	0.002	0.010	0.000	N							
03/21/2017	0.147	0.147	0.002	0.010	0.000	N							
05/22/2017	0.136	0.136	0.002	0.010	0.000	N							
07/06/2017	0.145	0.145	0.002	0.010	0.000	N							
03/06/2018	0.156	0.156	0.002	0.010	0.000	N							
06/04/2018	0.171	0.171	0.002	0.010	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Beryllium, total mg/L		Run Id: 79									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.002	0.001	2.998	0.001	0.004	n	38	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.004
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.002	0.001	0.000	0.002	0.000	Y						
11/15/2016		0.004	0.004	0.000	0.002	0.000	N						
01/18/2017		0.004	0.004	0.000	0.002	0.000	N						
03/21/2017		0.004	0.004	0.000	0.002	0.000	N						
05/22/2017		0.004	0.004	0.000	0.002	0.000	N						
07/06/2017		0.003	0.003	0.000	0.002	0.000	N						
03/06/2018		0.002	0.002	0.000	0.002	0.000	Y						
06/04/2018		0.002	0.001	0.000	0.002	0.000	Y						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Co, tot mg/L		Run Id: 82									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.012	0.008	2.998	0.004	0.021	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.006
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.002	0.002	0.000	0.001	0.000					N		
11/15/2016		0.024	0.024	0.000	0.001	0.000					N		
01/18/2017		0.013	0.013	0.000	0.001	0.000					N		
03/21/2017		0.014	0.014	0.000	0.001	0.000					N		
05/22/2017		0.020	0.020	0.000	0.001	0.000					N		
07/06/2017		0.015	0.015	0.000	0.001	0.000					N		
03/06/2018		0.009	0.009	0.000	0.001	0.000					N		
06/04/2018		0.002	0.002	0.000	0.001	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Fluoride, total mg/L		Run Id: 83									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	0.307	0.094	2.998	0.207	0.406	n	13	0% to <= 15% Substitute 1/2 PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.274	0.274	0.033	0.100	0.000					N		
11/15/2016		0.332	0.332	0.033	0.100	0.000					N		
01/18/2017		0.372	0.372	0.033	0.100	0.000					N		
03/21/2017		0.311	0.311	0.033	0.100	0.000					N		
05/22/2017		0.412	0.412	0.033	0.100	0.000					N		
07/06/2017		0.304	0.304	0.033	0.100	0.000					N		
03/06/2018		0.100	0.025	0.025	0.200	0.000					Y		
06/04/2018		0.350	0.350	0.025	0.200	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Lithium, tot mg/L		Run Id: 85									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.009	0.004	2.998	0.004	0.013	n	25	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.040
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.010	0.003	0.003	0.010	0.000					Y		
11/15/2016		0.014	0.014	0.002	0.010	0.000					N		
01/18/2017		0.010	0.010	0.002	0.010	0.000					Y		
03/21/2017		0.012	0.012	0.002	0.010	0.000					N		
05/22/2017		0.014	0.014	0.002	0.010	0.000					N		
07/06/2017		0.010	0.010	0.002	0.010	0.000					N		
03/06/2018		0.008	0.008	0.000	0.002	0.000					N		
06/04/2018		0.005	0.005	0.001	0.002	0.000					N		

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Confidence Interval Around Normal Mean

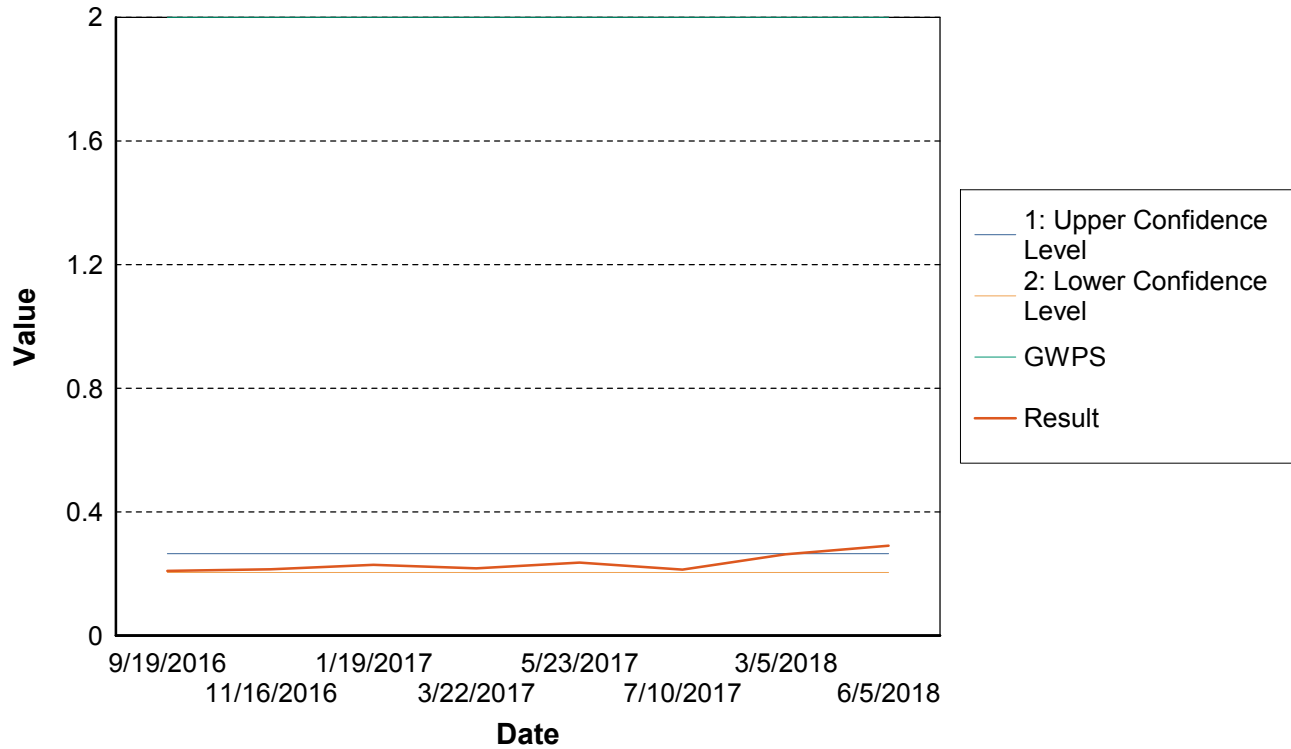
Location Id: MW-AP-08		Parameter: Selenium, tot mg/L		Run Id: 89									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.014	0.010	2.998	0.003	0.024	n	13	0% to <= 15% Substitute ½ PQL	GWPS	0.050
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.005	0.005	0.002	0.005	0.000	N						
11/15/2016		0.019	0.019	0.002	0.005	0.000	N						
01/18/2017		0.019	0.019	0.002	0.005	0.000	N						
03/21/2017		0.017	0.017	0.002	0.005	0.000	N						
05/22/2017		0.032	0.032	0.001	0.005	0.000	N						
07/06/2017		0.011	0.011	0.001	0.005	0.000	N						
03/06/2018		0.005	0.005	0.001	0.005	0.000	N						
06/04/2018		0.003	0.005	0.002	0.005	0.000	Y						

Confidence Interval Around Normal Mean

Run Id: 3

Location MW-AP-01 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

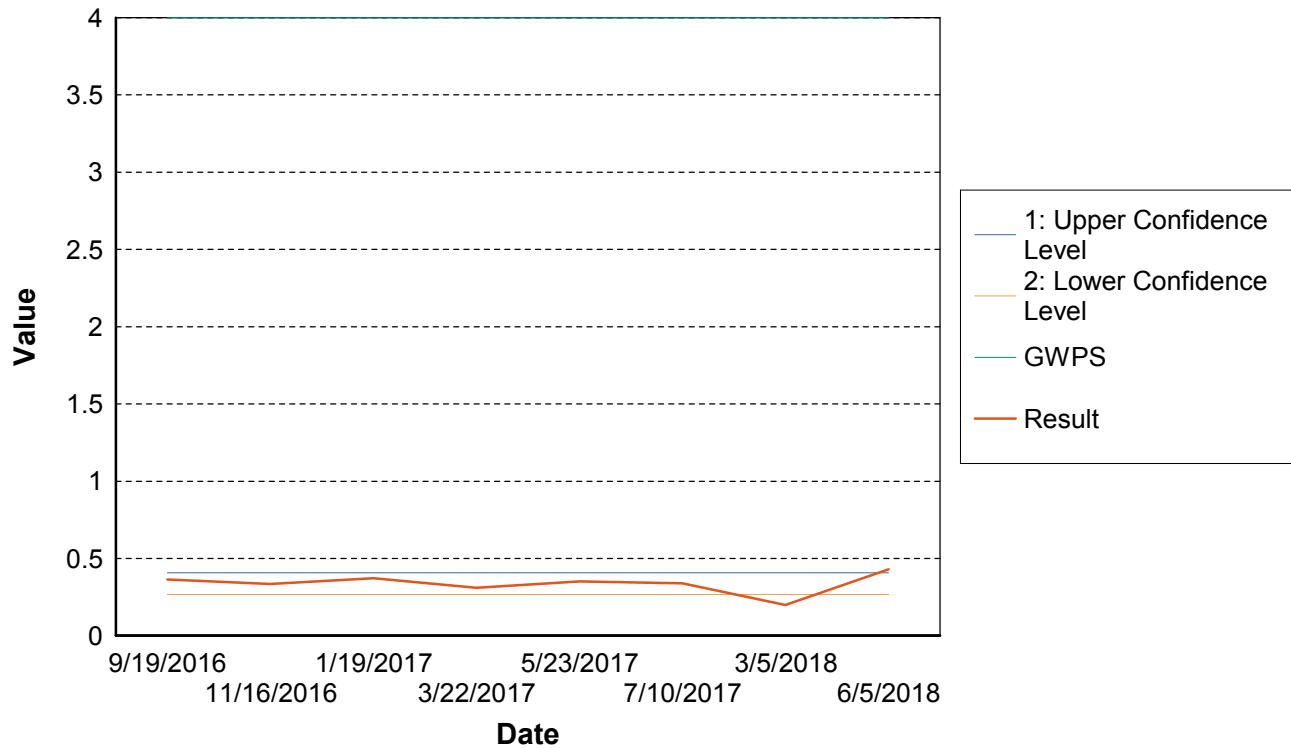


Confidence Interval Around Normal Mean

Run Id: 8

Location MW-AP-01 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

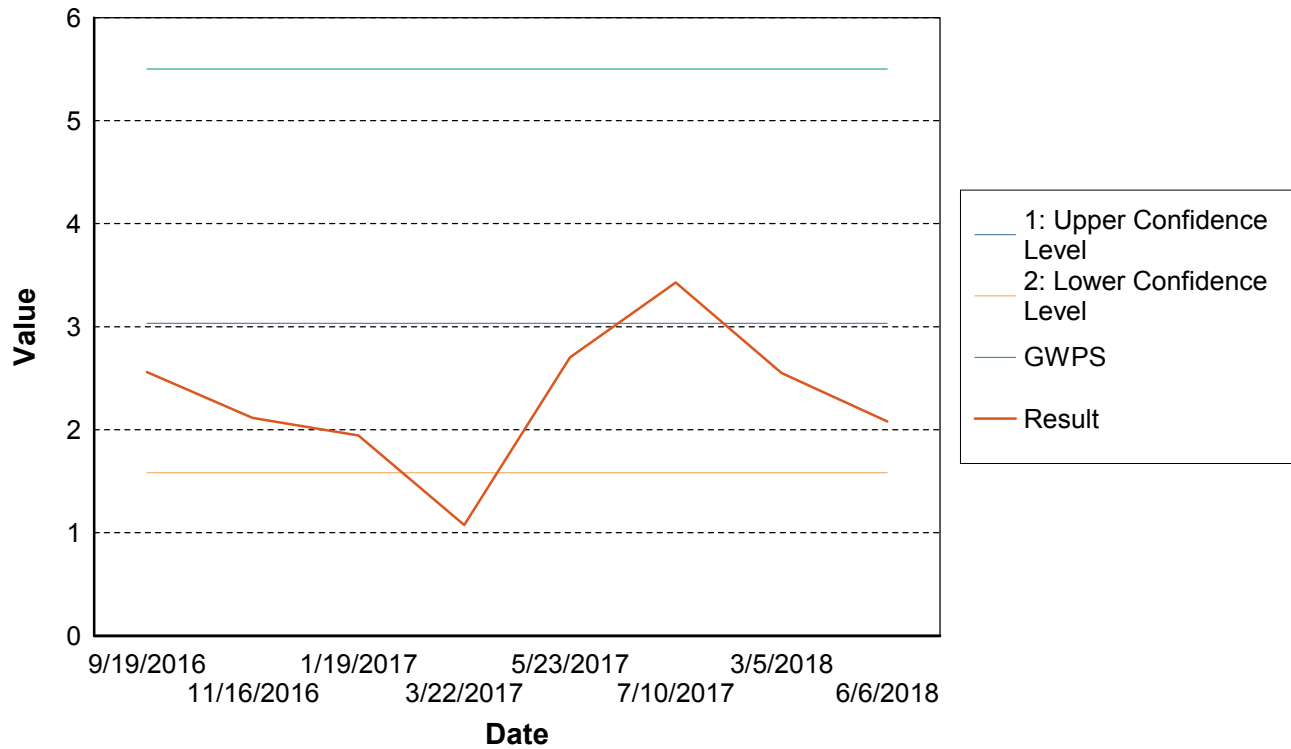


Confidence Interval Around Normal Mean

Run Id: 13

Location MW-AP-01 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

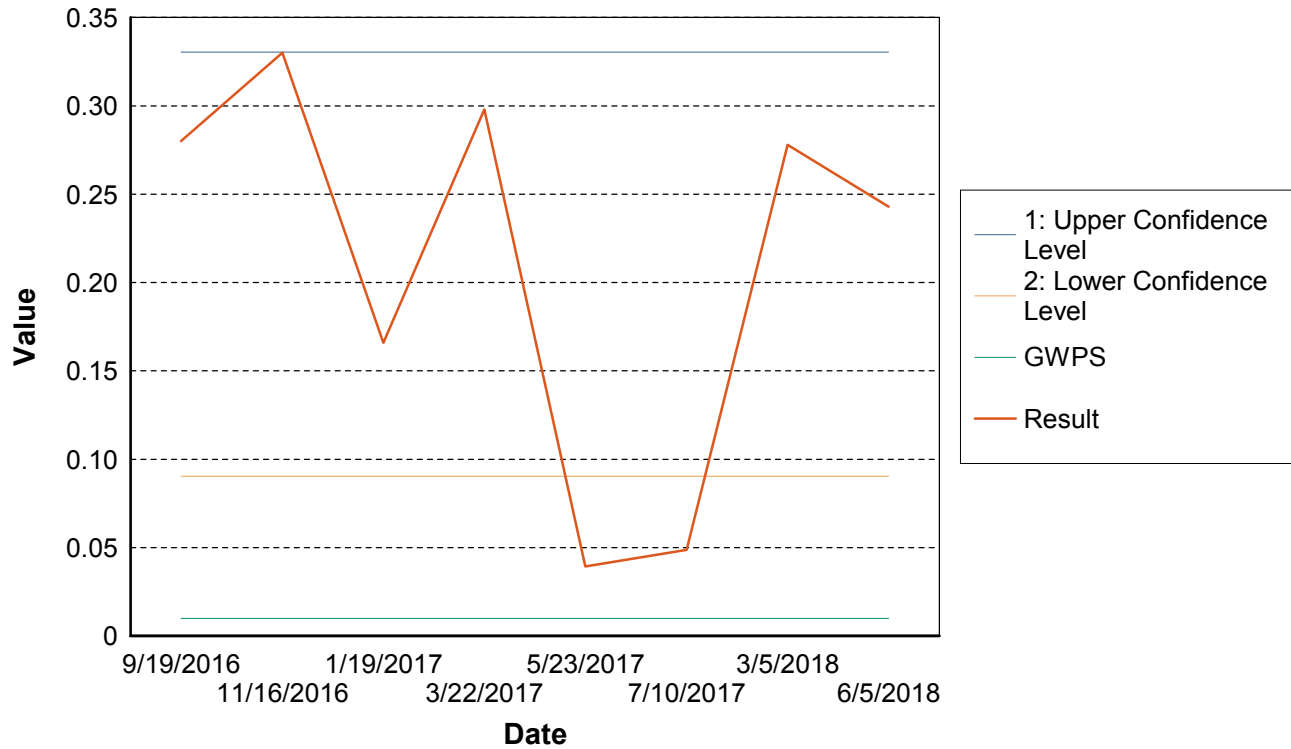


Confidence Interval Around Normal Mean

Run Id: 17

Location MW-AP-02 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

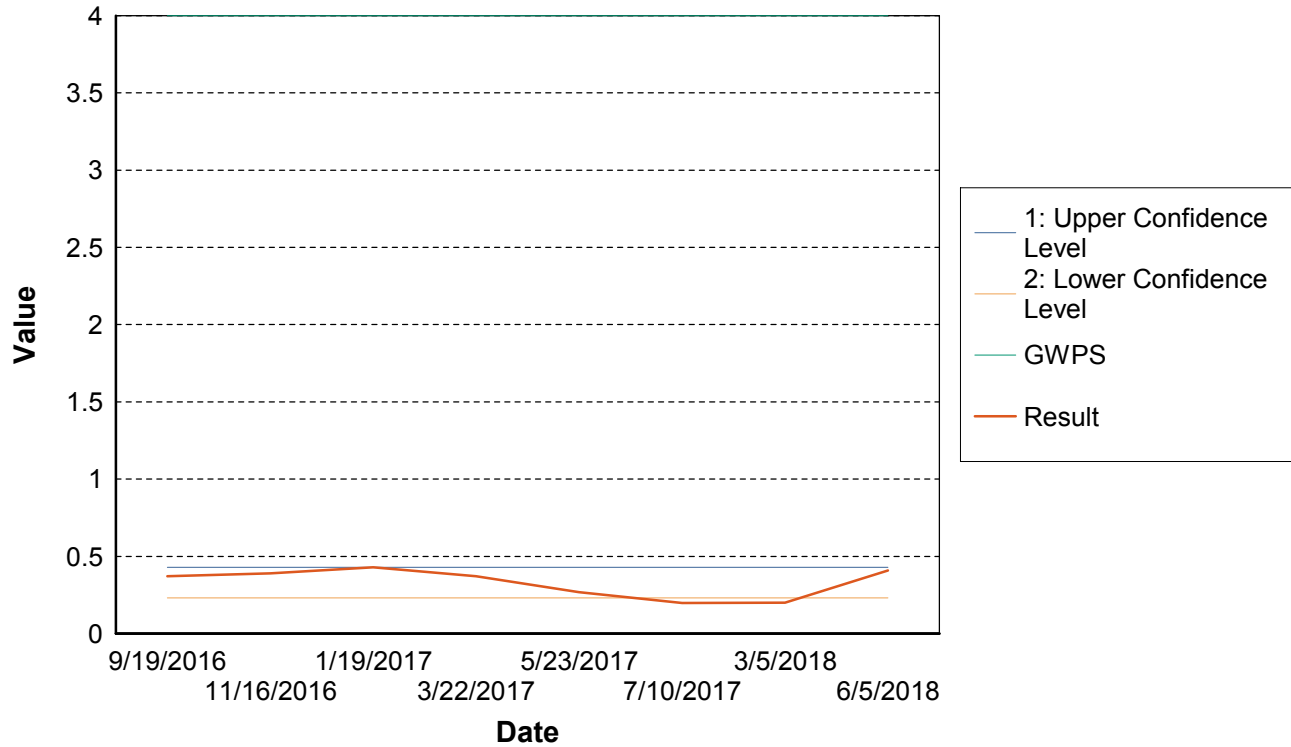


Confidence Interval Around Normal Mean

Run Id: 23

Location MW-AP-02 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

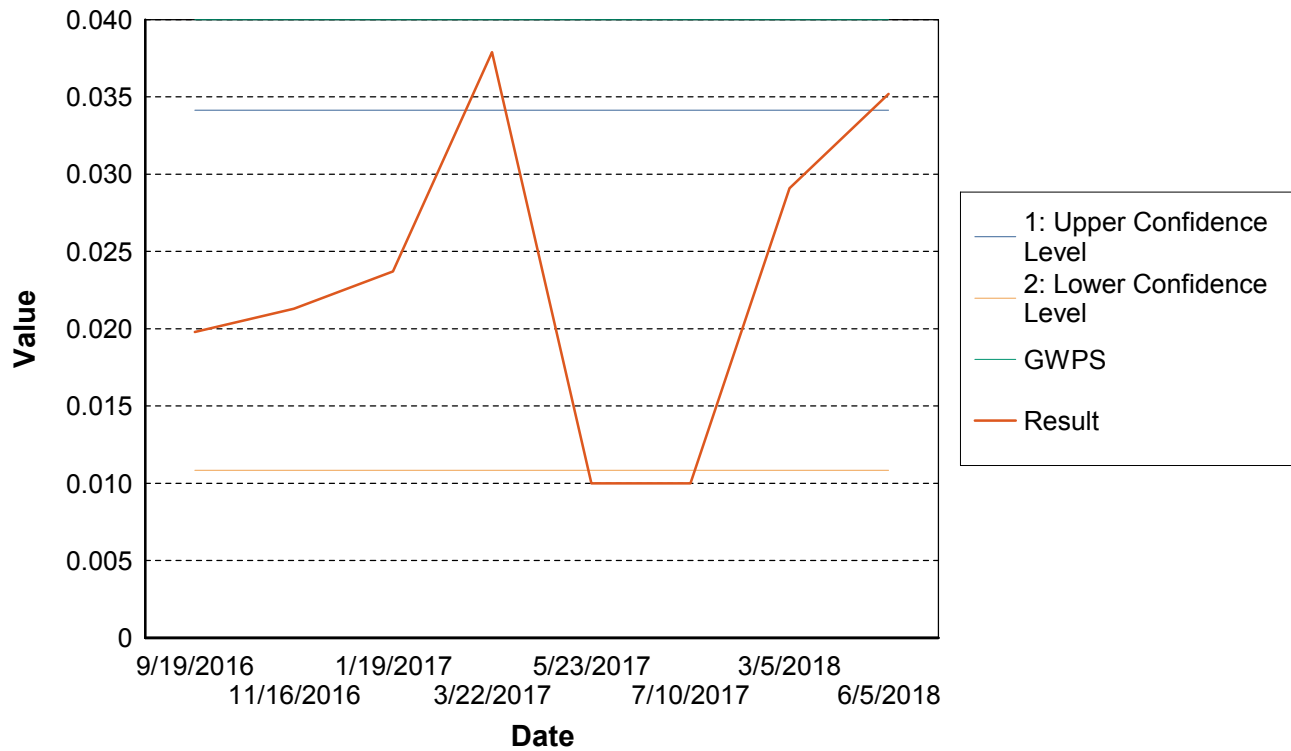


Confidence Interval Around Normal Mean

Run Id: 25

Location MW-AP-02 Parameter Lithium, tot mg/L

Confidence Interval Around Normal Mean

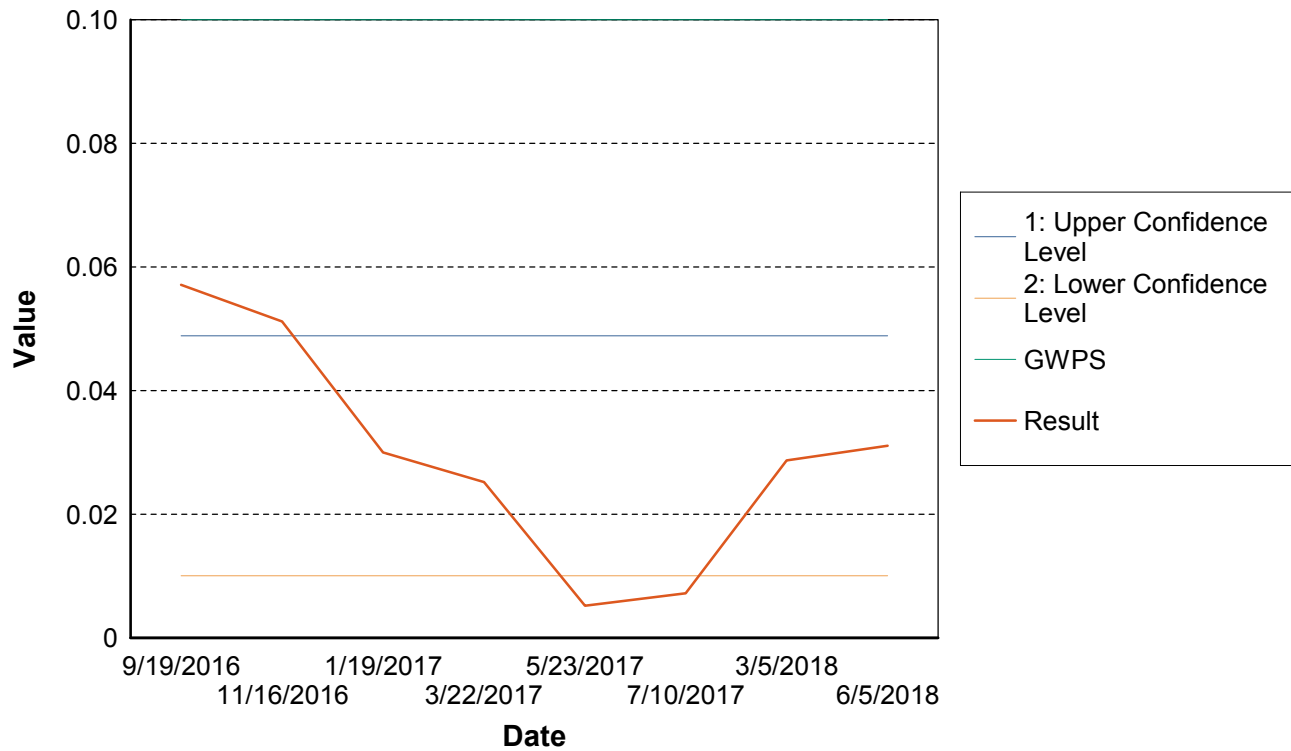


Confidence Interval Around Normal Mean

Run Id: 27

Location MW-AP-02 Parameter Molybdenum, total mg/L

Confidence Interval Around Normal Mean

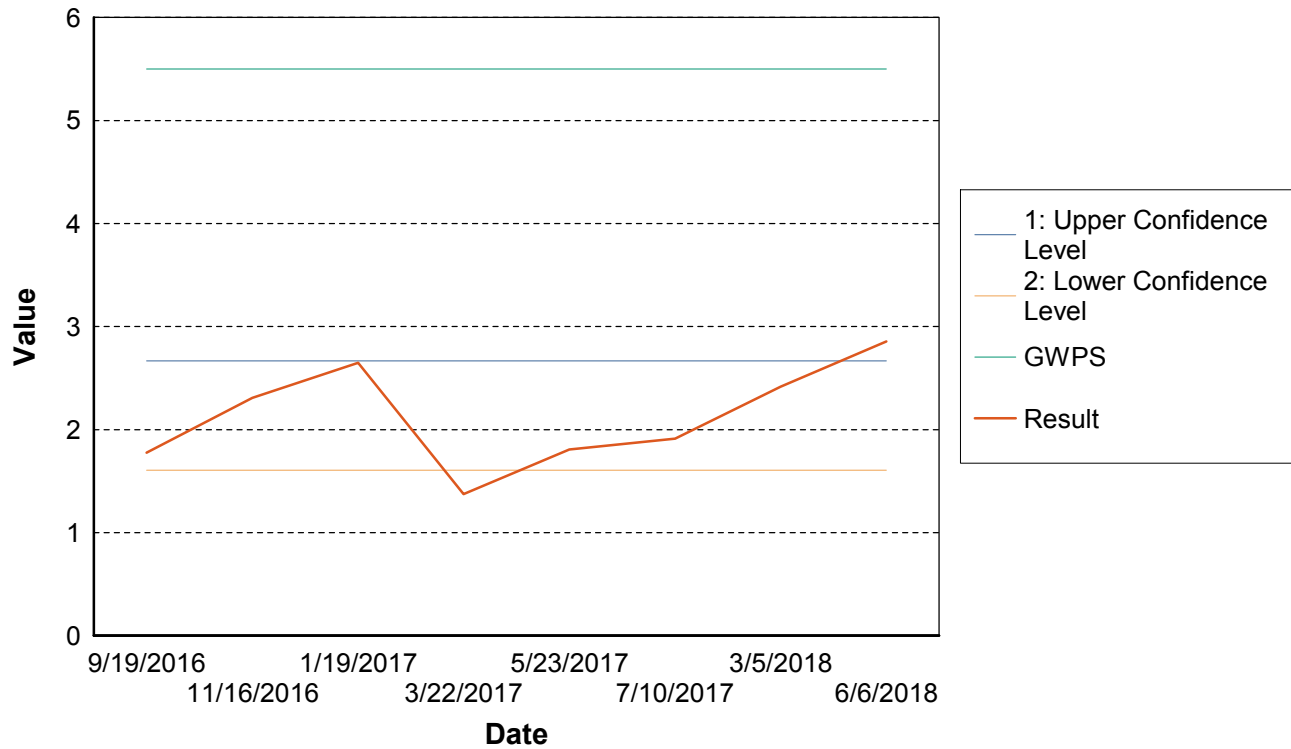


Confidence Interval Around Normal Mean

Run Id: 28

Location MW-AP-02 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

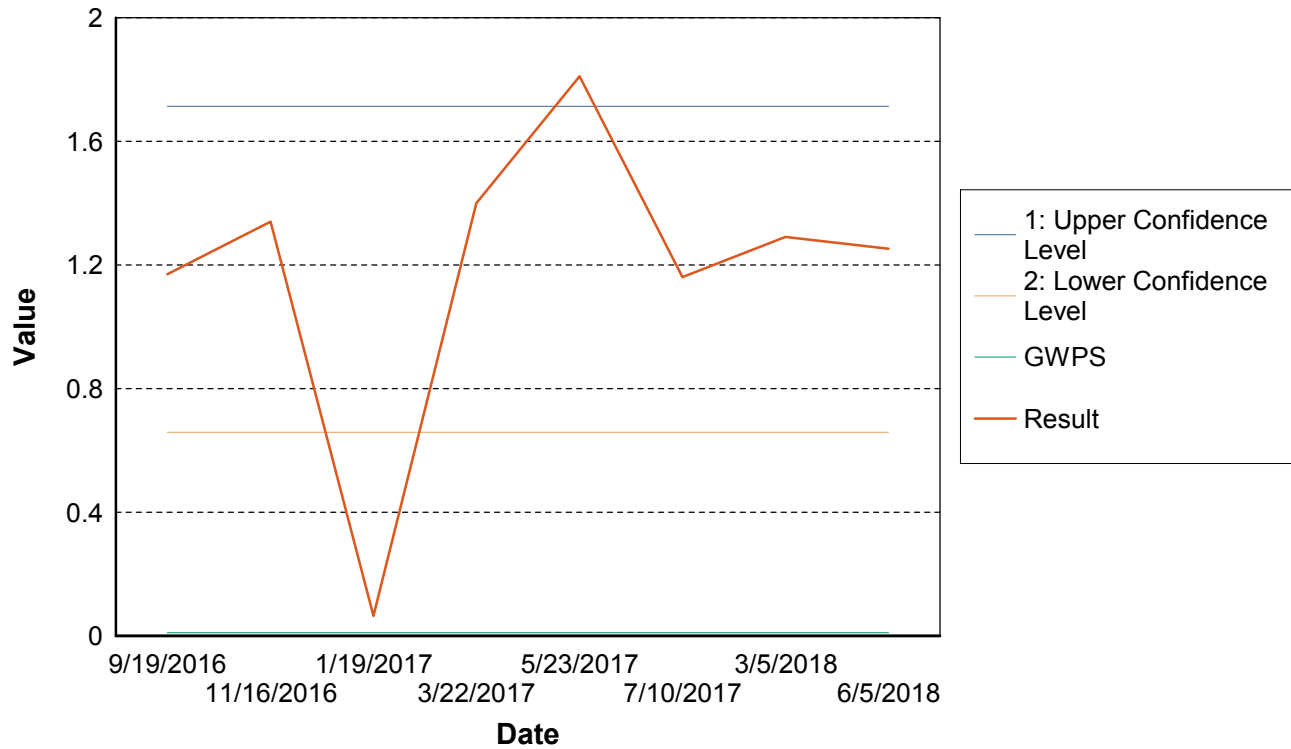


Confidence Interval Around Normal Mean

Run Id: 32

Location MW-AP-03 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

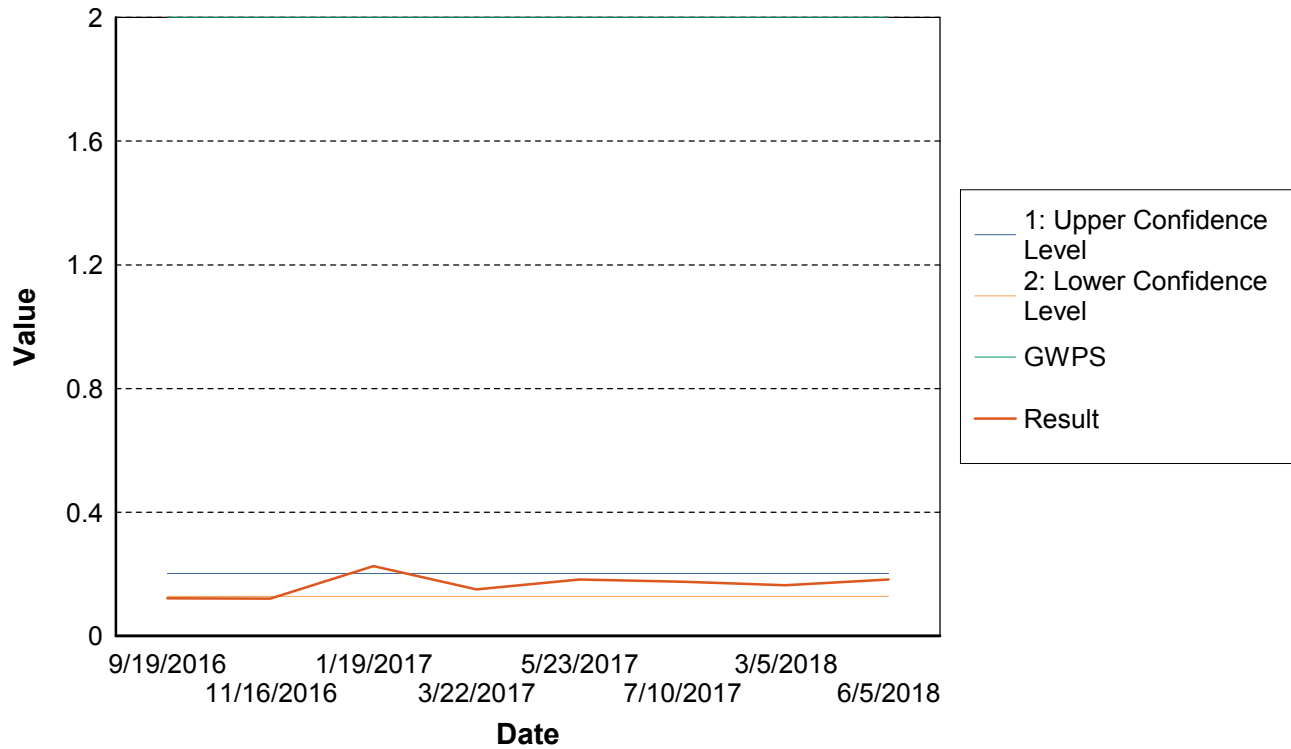


Confidence Interval Around Normal Mean

Run Id: 33

Location MW-AP-03 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

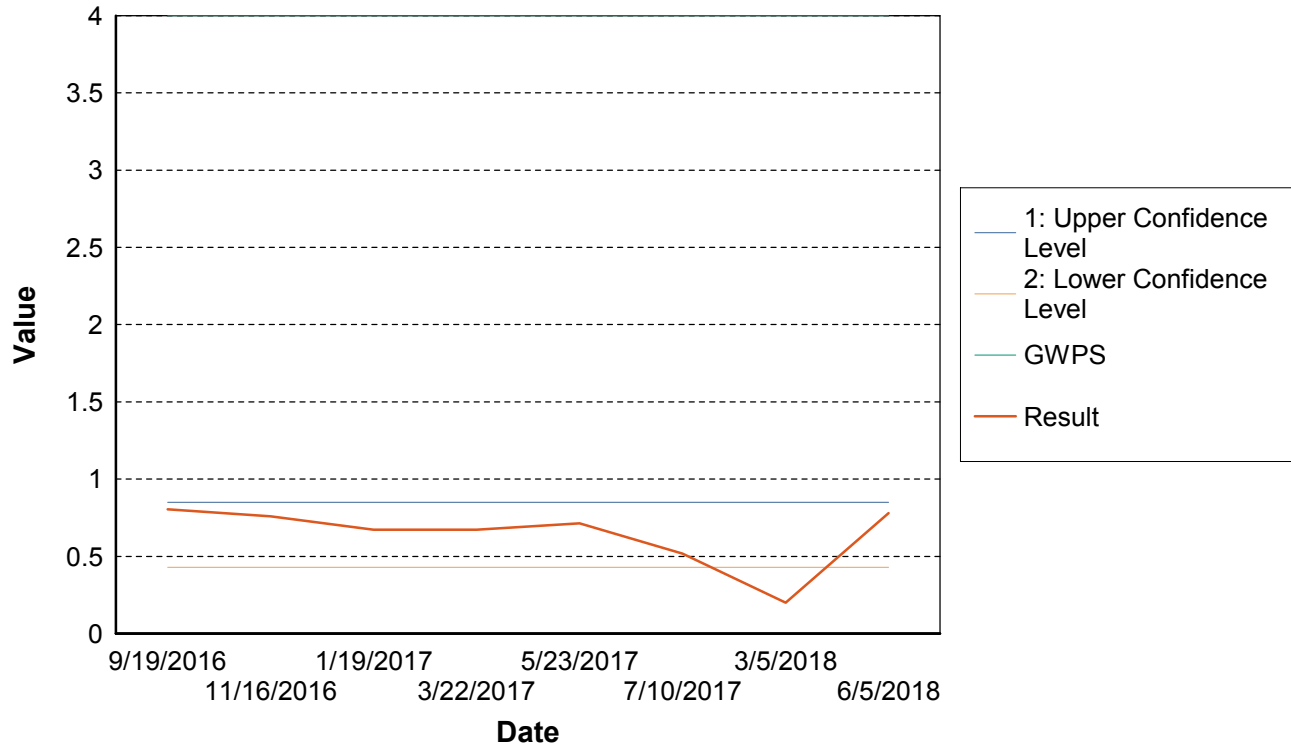


Confidence Interval Around Normal Mean

Run Id: 38

Location MW-AP-03 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

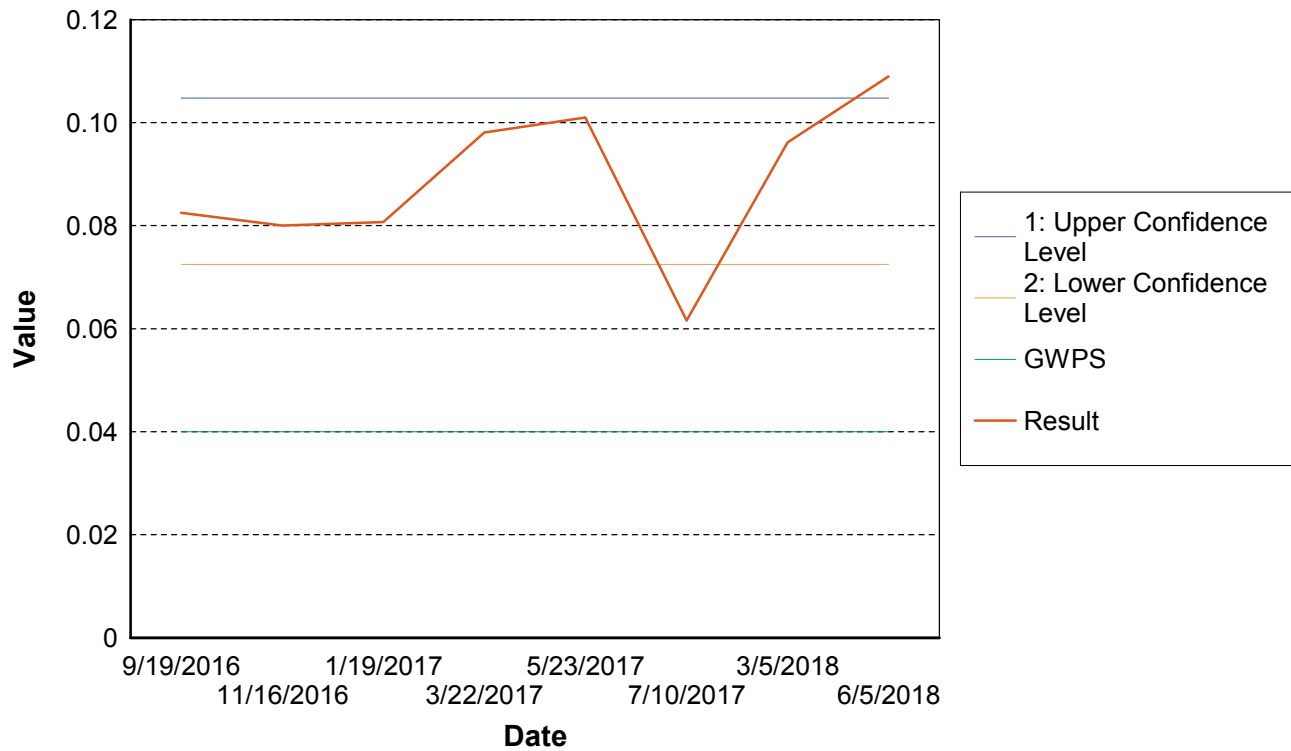


Confidence Interval Around Normal Mean

Run Id: 40

Location MW-AP-03 Parameter Lithium, tot mg/L

Confidence Interval Around Normal Mean

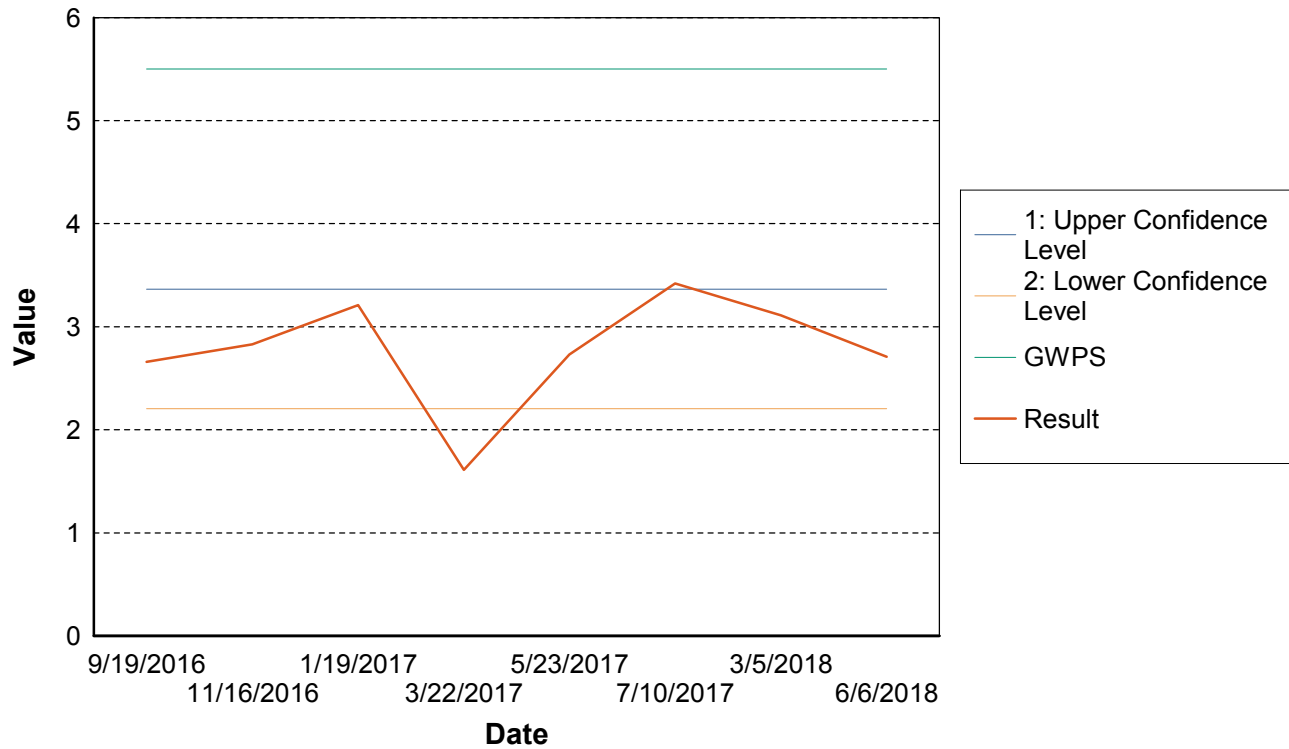


Confidence Interval Around Normal Mean

Run Id: 43

Location MW-AP-03 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

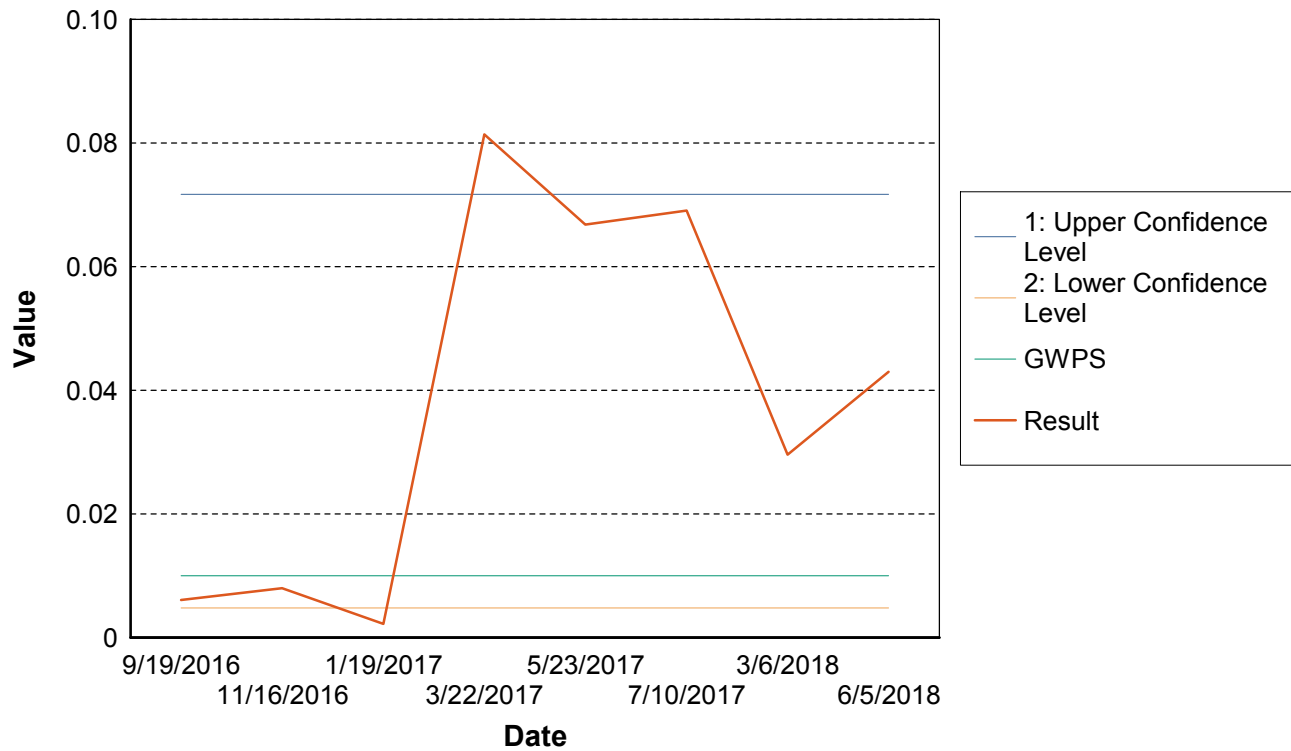


Confidence Interval Around Normal Mean

Run Id: 47

Location MW-AP-04 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

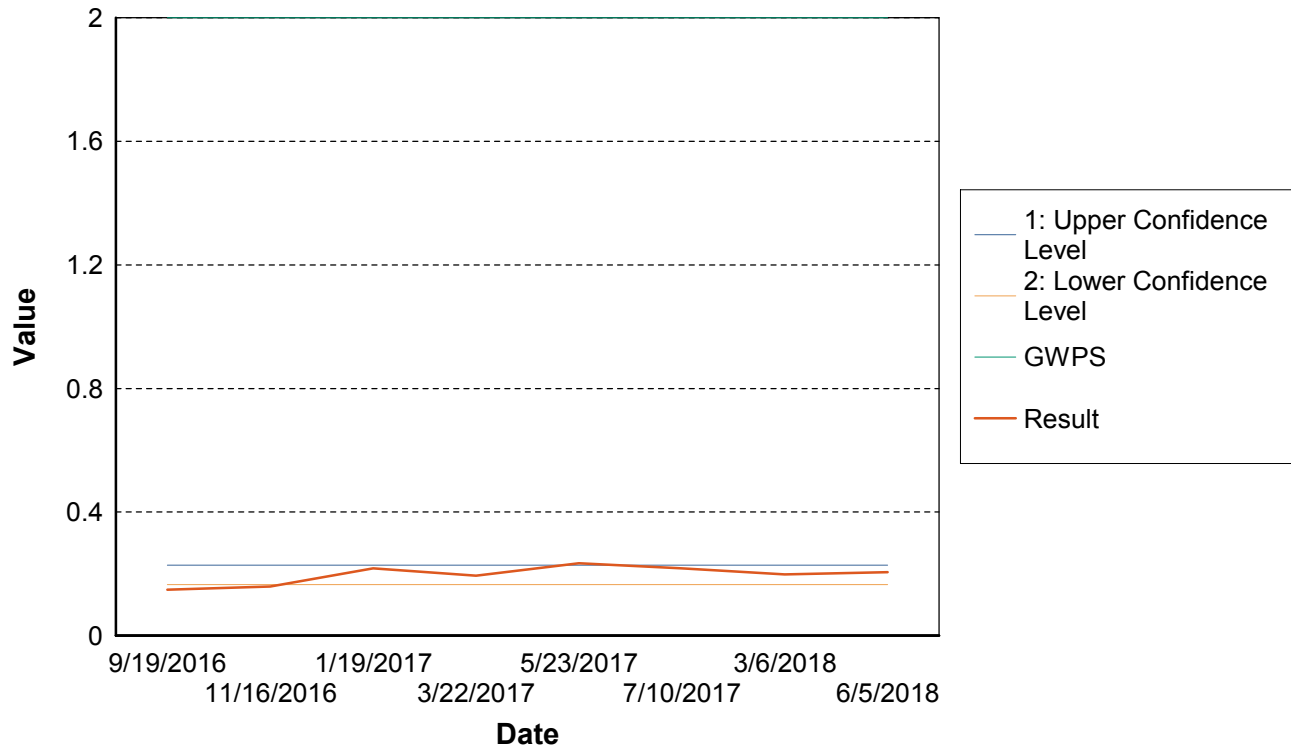


Confidence Interval Around Normal Mean

Run Id: 48

Location MW-AP-04 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

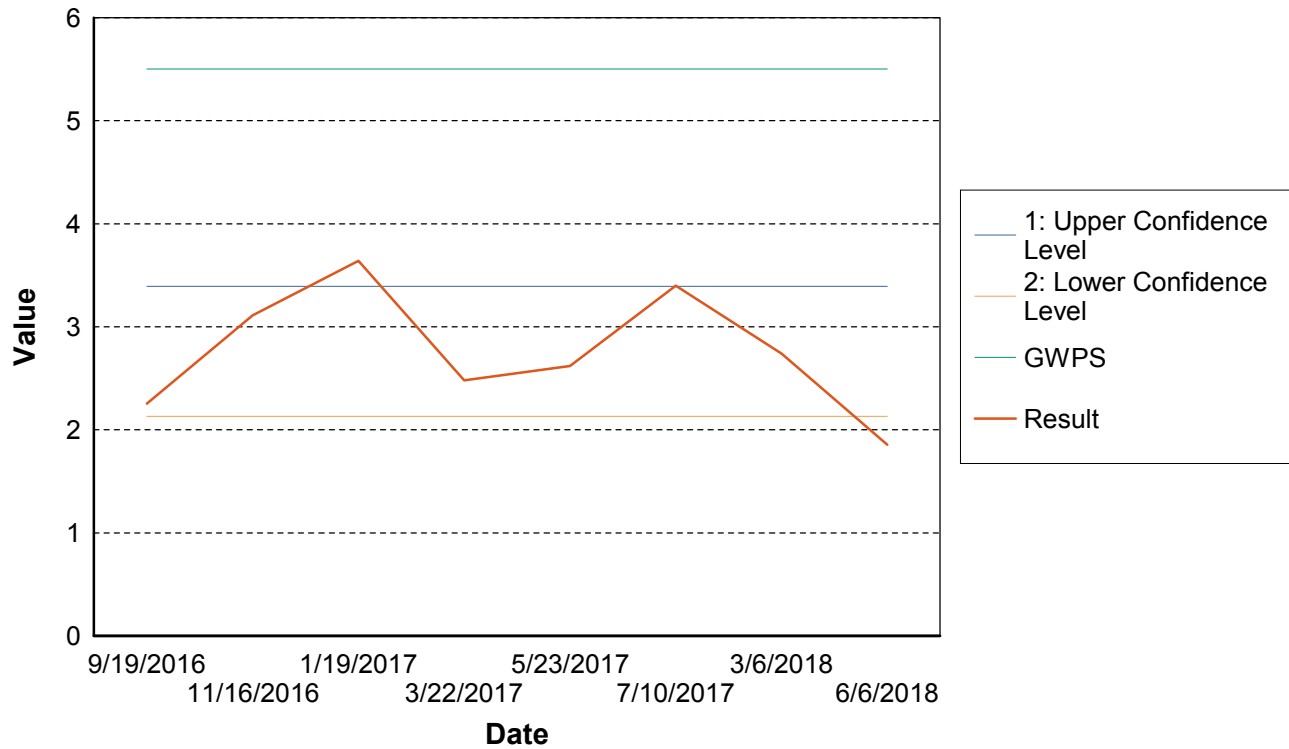


Confidence Interval Around Normal Mean

Run Id: 58

Location MW-AP-04 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

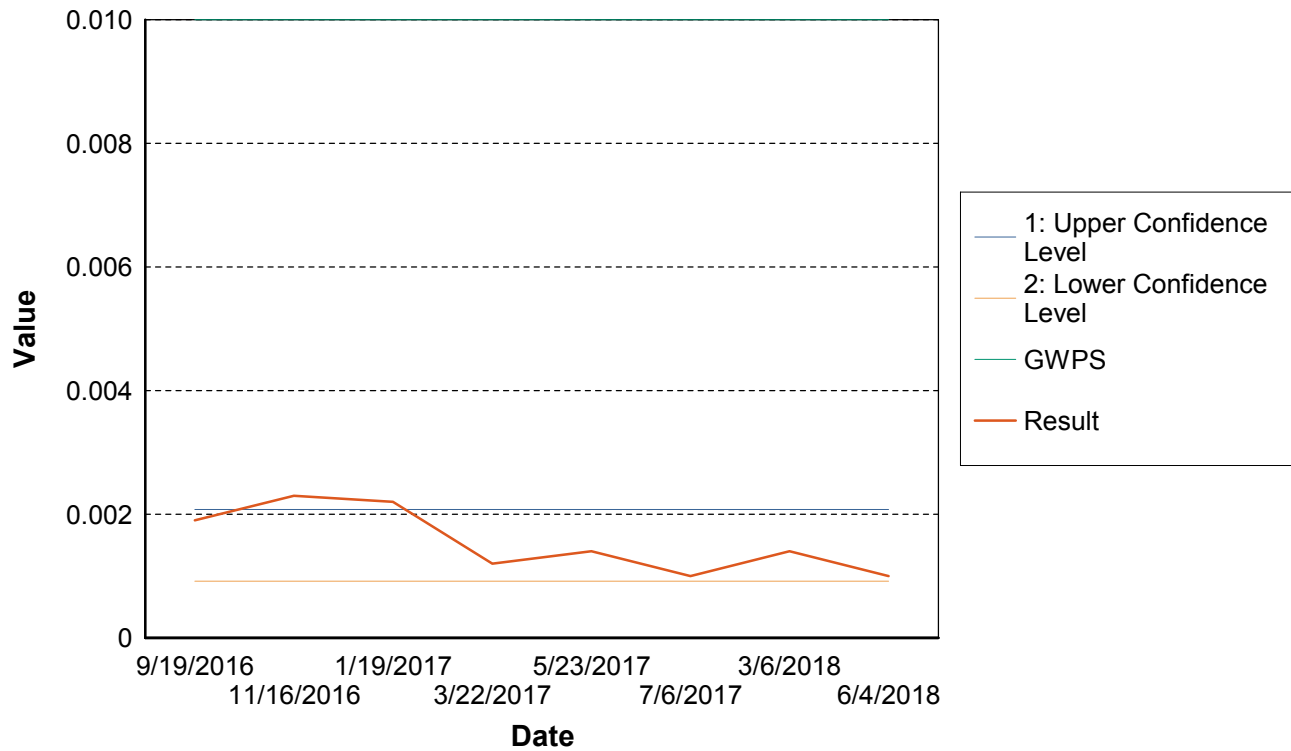


Confidence Interval Around Normal Mean

Run Id: 62

Location MW-AP-05 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

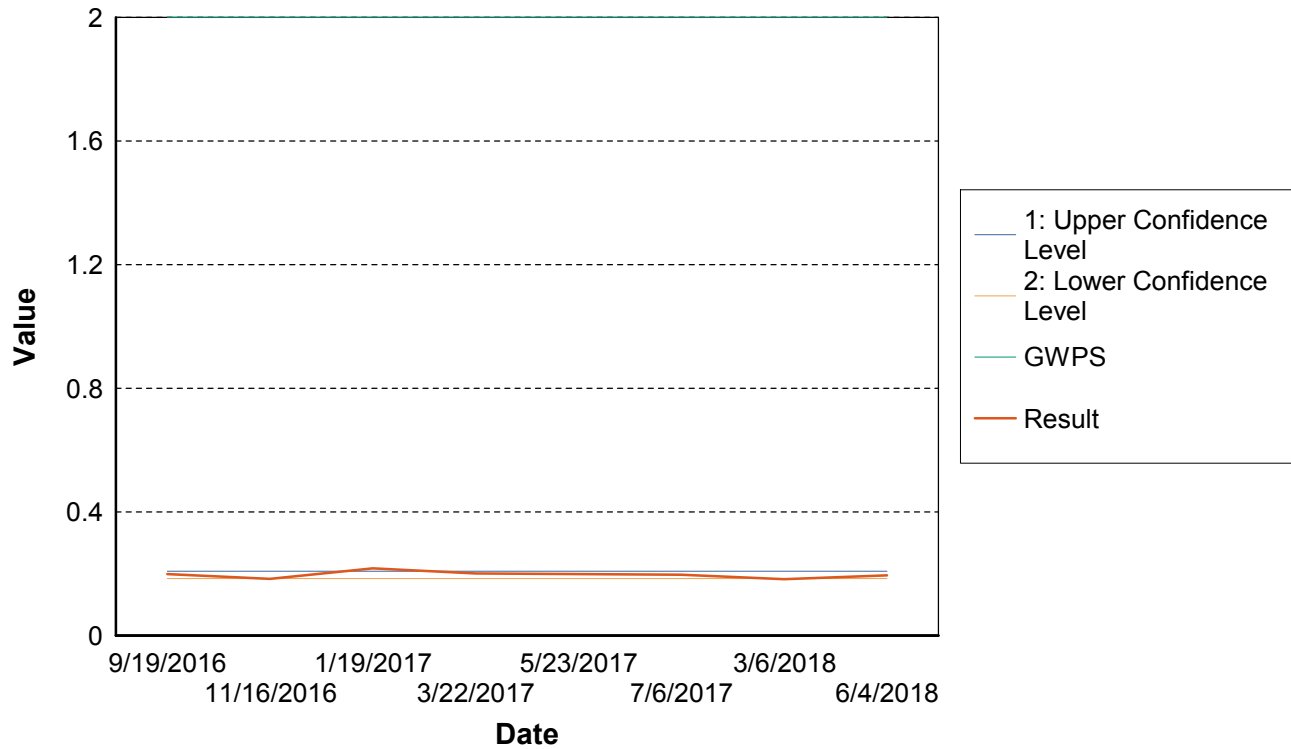


Confidence Interval Around Normal Mean

Run Id: 63

Location MW-AP-05 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

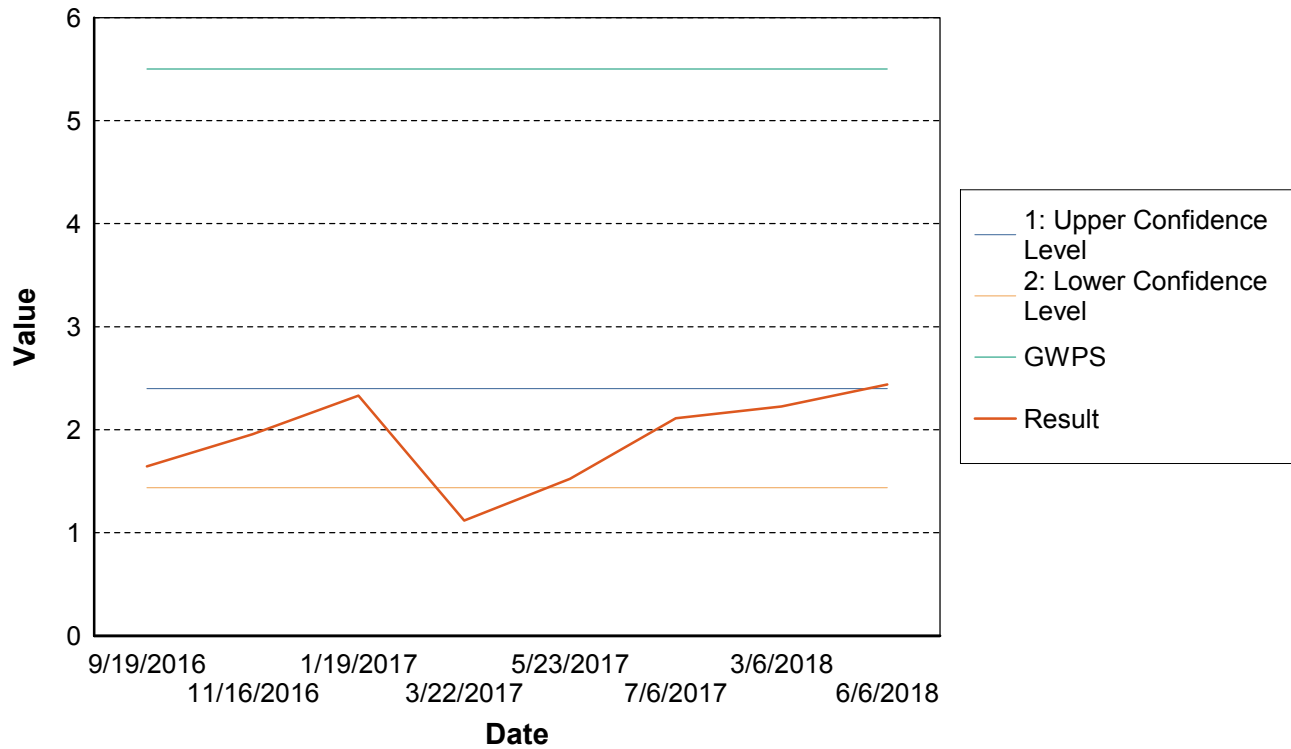


Confidence Interval Around Normal Mean

Run Id: 73

Location MW-AP-05 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

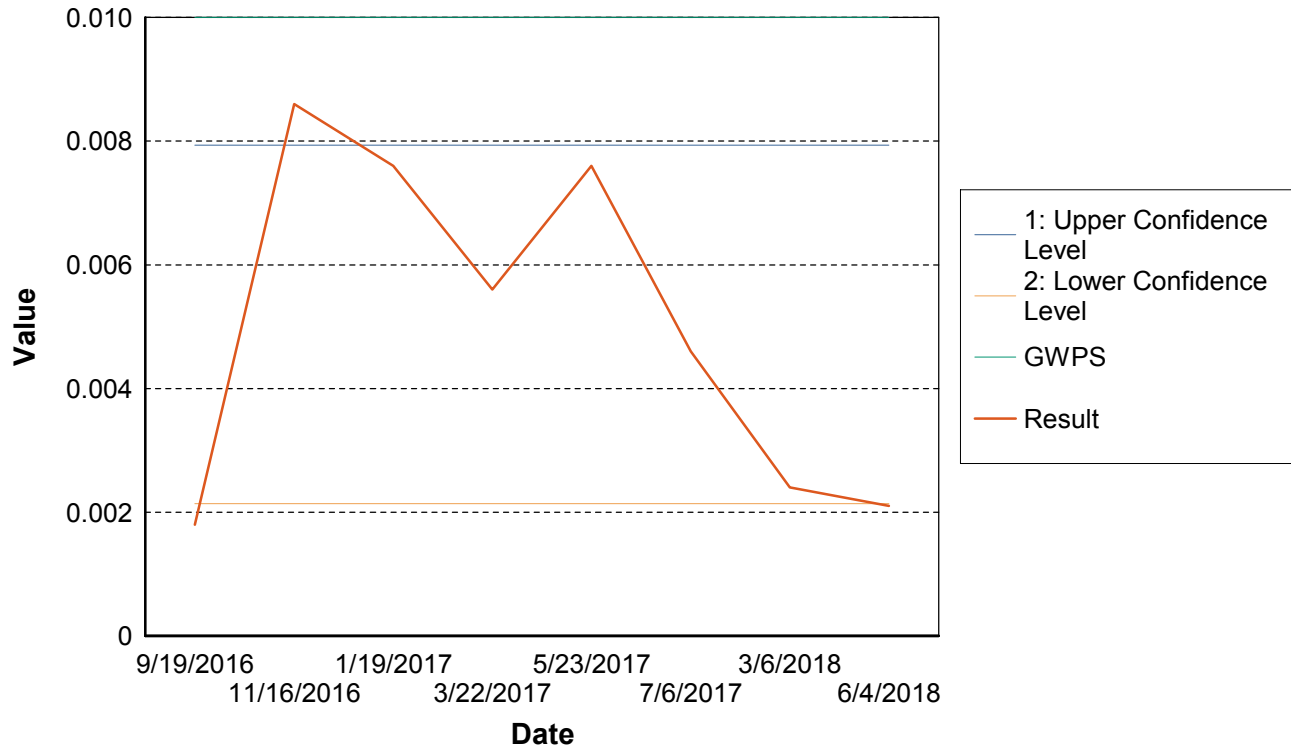


Confidence Interval Around Normal Mean

Run Id: 77

Location MW-AP-08 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

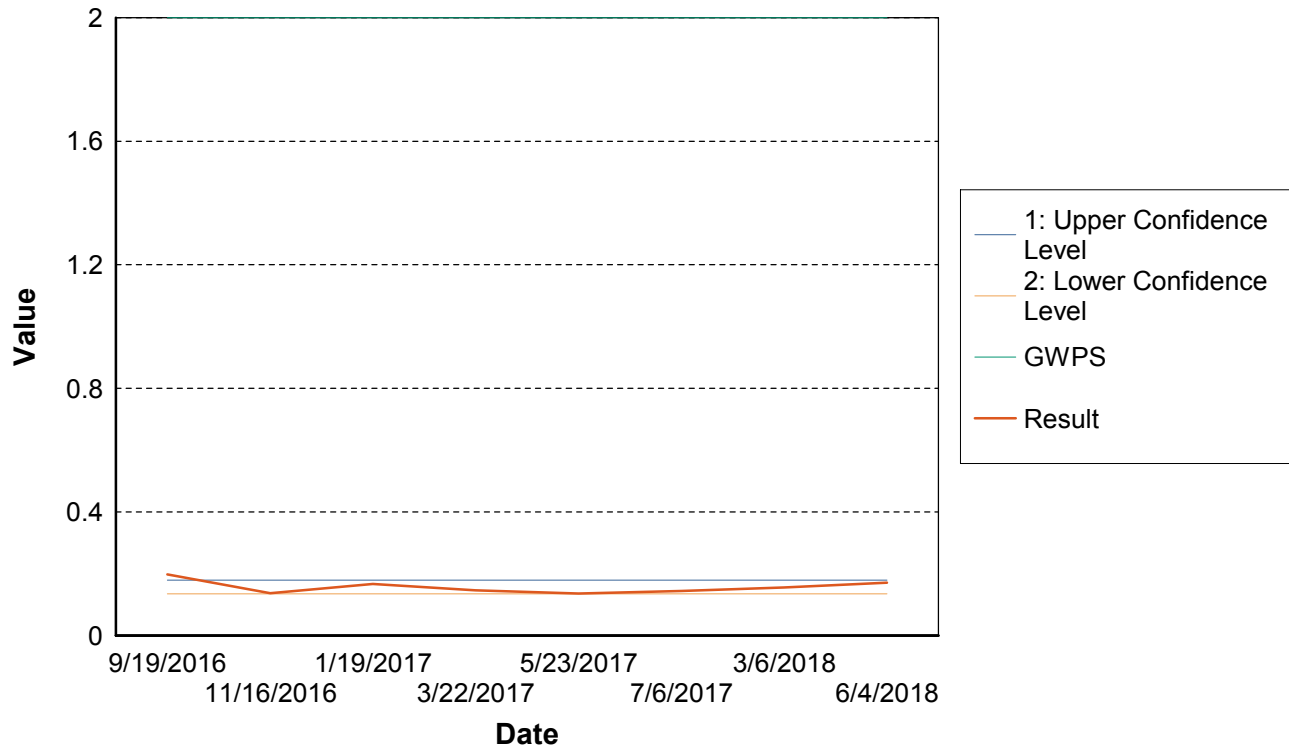


Confidence Interval Around Normal Mean

Run Id: 78

Location MW-AP-08 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

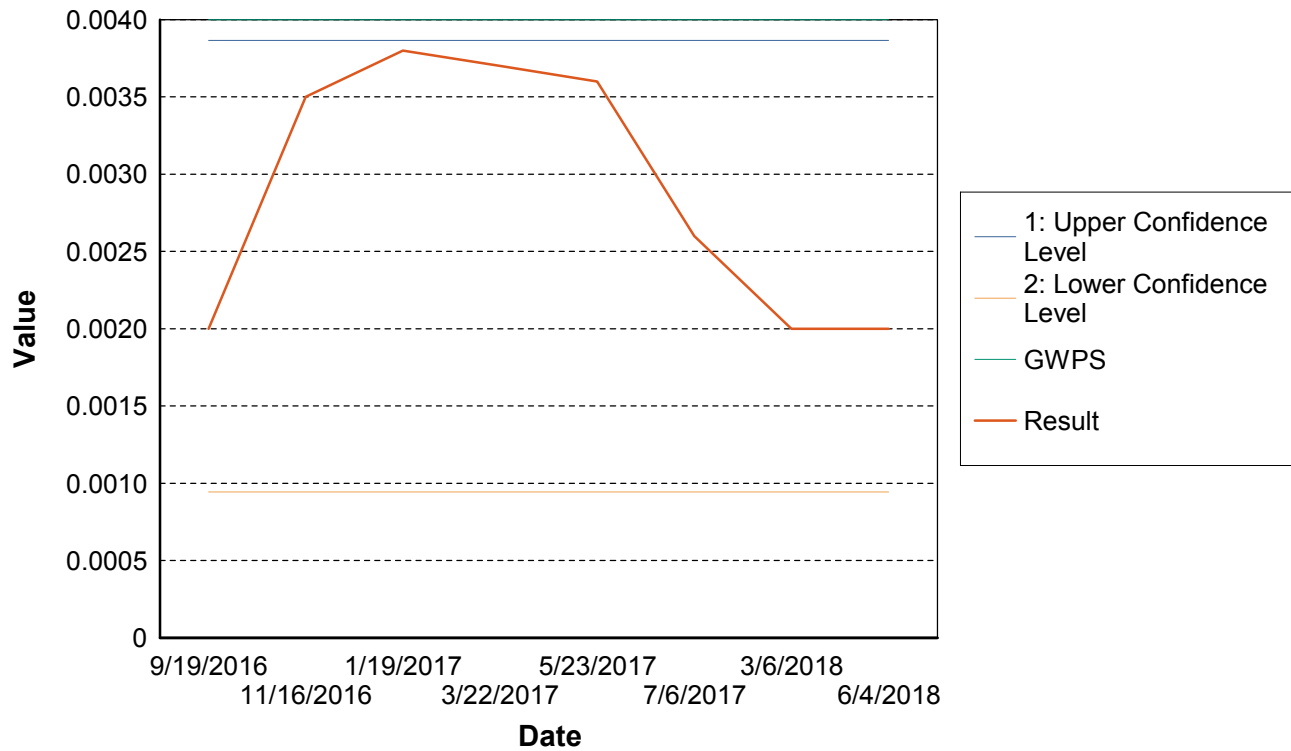


Confidence Interval Around Normal Mean

Run Id: 79

Location MW-AP-08 Parameter Beryllium, total mg/L

Confidence Interval Around Normal Mean

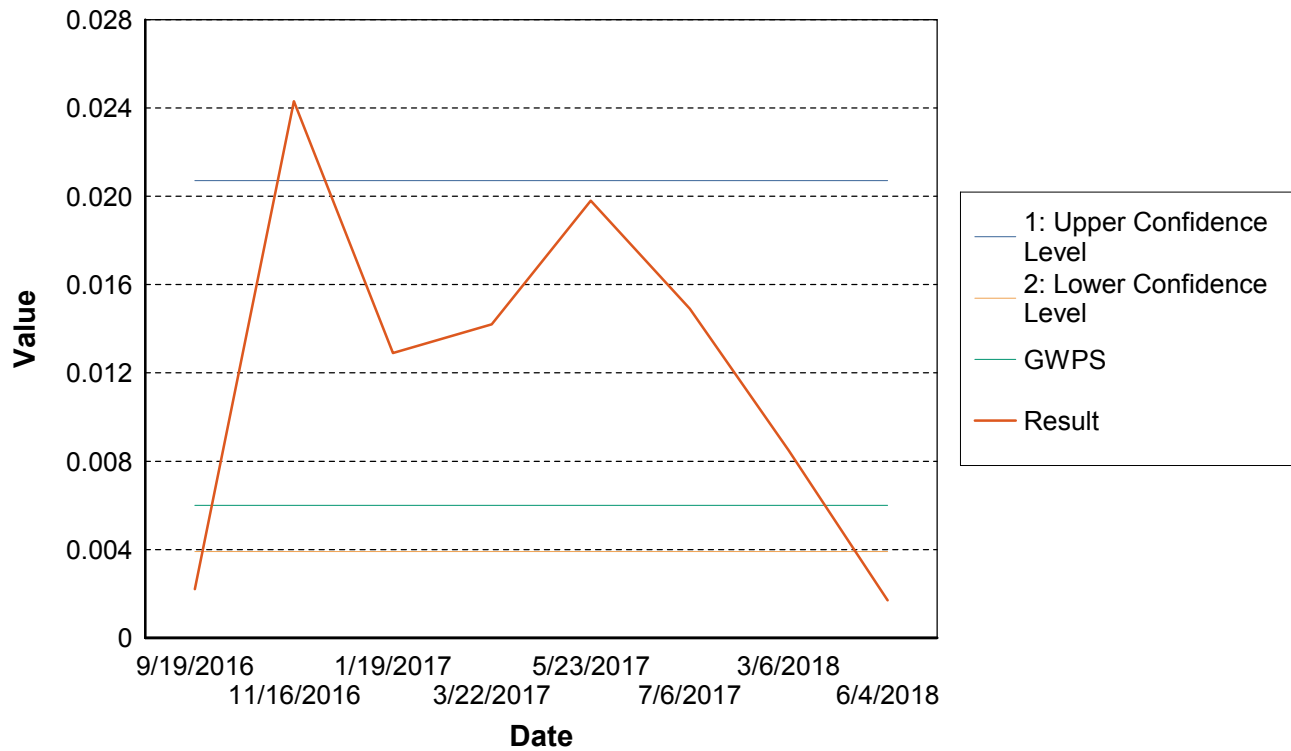


Confidence Interval Around Normal Mean

Run Id: 82

Location MW-AP-08 Parameter Co, tot mg/L

Confidence Interval Around Normal Mean

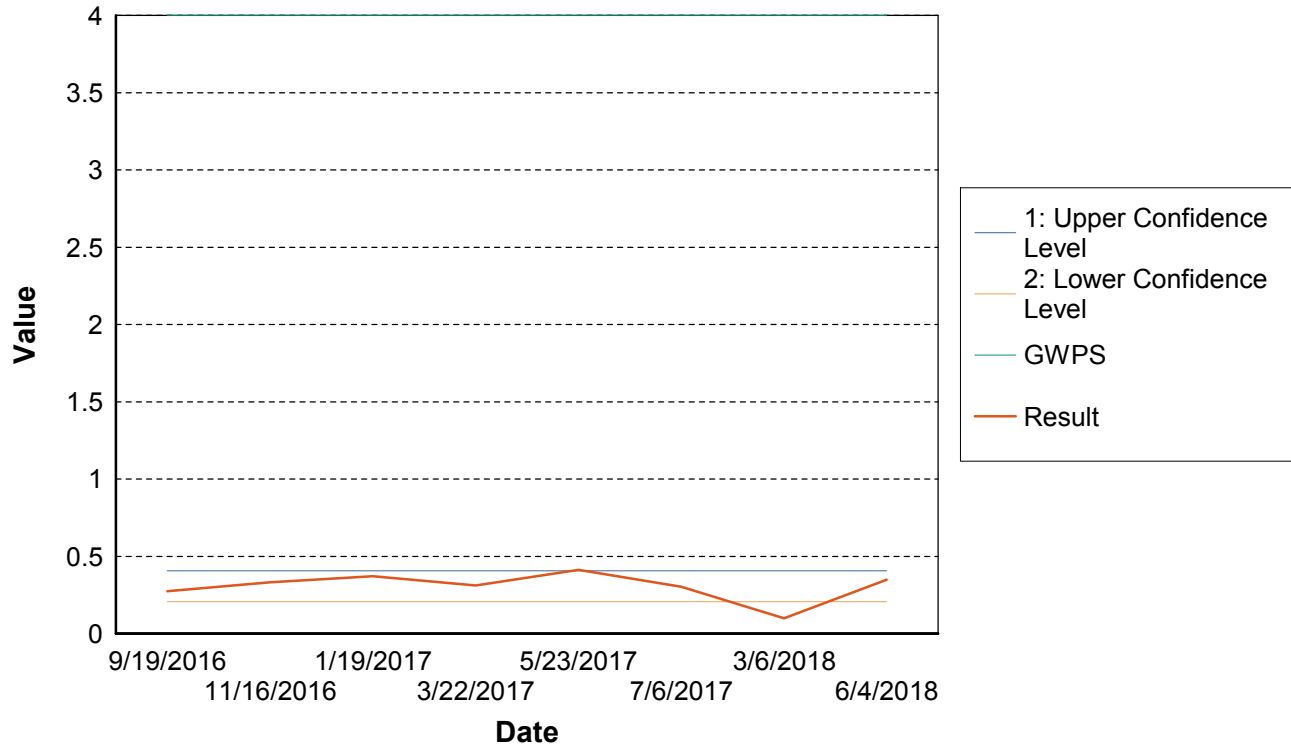


Confidence Interval Around Normal Mean

Run Id: 83

Location MW-AP-08 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

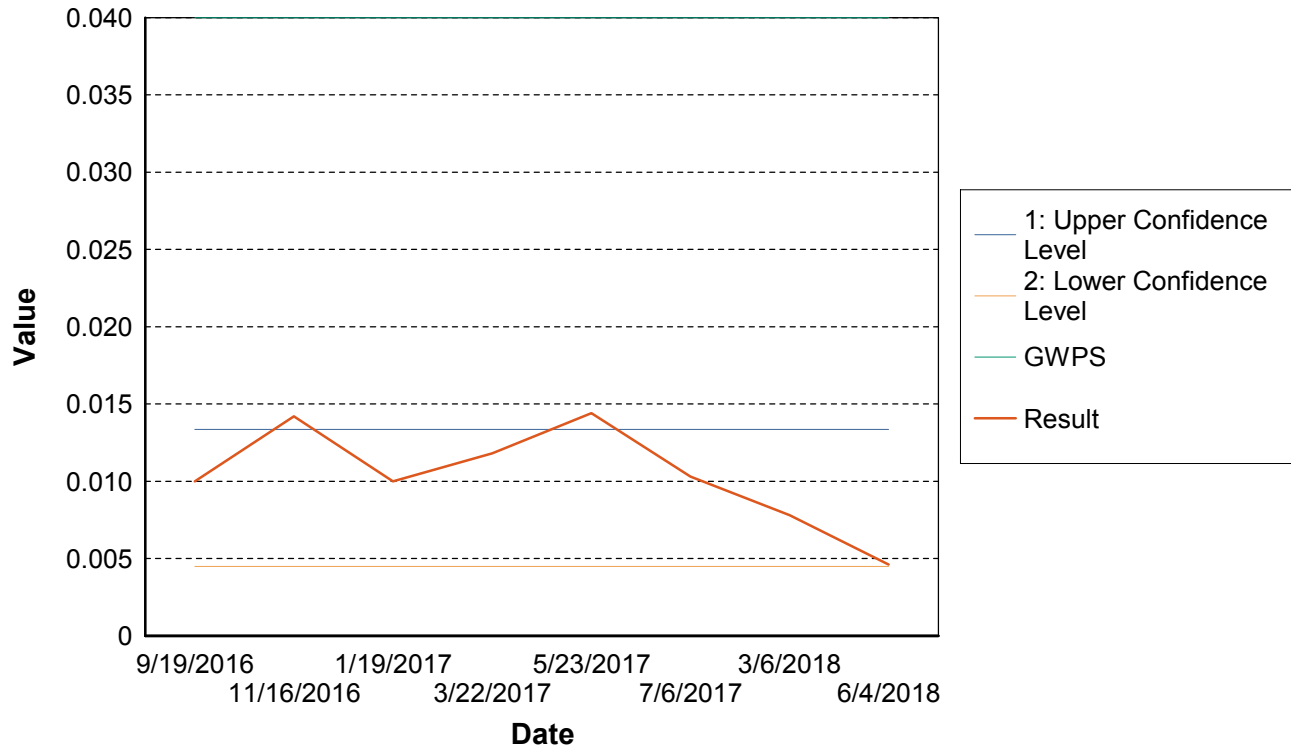


Confidence Interval Around Normal Mean

Run Id: 85

Location MW-AP-08 Parameter Lithium, tot mg/L

Confidence Interval Around Normal Mean

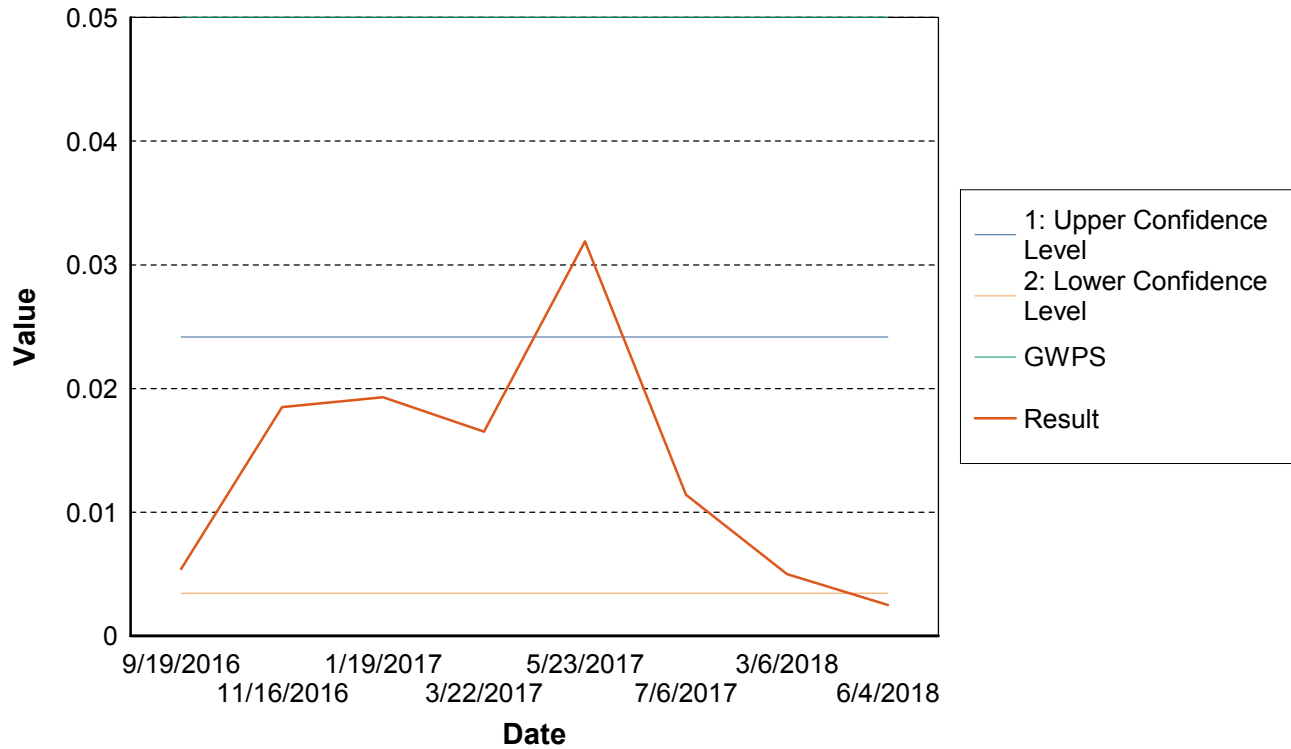


Confidence Interval Around Normal Mean

Run Id: 89

Location MW-AP-08 Parameter Selenium, tot mg/L

Confidence Interval Around Normal Mean



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Confidence Band Around Linear Regression

Location Id:		MW-AP-01		Parameter:		Molybdenum, total mg/L				Run Id: 12	
Count	Sided	Alpha	Passed Residual Normality	Extended Days	Trended Points	Upper Confidence	Lower Confidence	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	No	0	101	0.000	0.000	13	0% to <= 15% Substitute PQL	GWPS	0.100
(@Last Sample Date)											
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>RL</u>	<u>Non Detect</u>						
09/19/2016	0.006	0.006	0.002	0.000	N						
11/16/2016	0.006	0.006	0.000	0.000	N						
01/18/2017	0.006	0.006	0.000	0.000	N						
03/21/2017	0.005	0.005	0.000	0.000	N						
05/23/2017	0.004	0.004	0.000	0.000	N						
07/10/2017	0.001	0.006	0.000	0.000	Y						
03/05/2018	0.004	0.004	0.000	0.000	N						
06/05/2018	0.004	0.004	0.000	0.000	N						

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Confidence Band Around Linear Regression

Location Id:		MW-AP-02		Parameter:		Barium, tot mg/L				Run Id: 18	
Count	Sided	Alpha	Passed Residual Normality	Extended Days	Trended Points	Upper Confidence	Lower Confidence	Percent ND	ND Approach	GWPS Basis	GWPS
						(@Last Sample Date)					
8	1	0.01	Yes	0	101	0.272	0.207	0	0% to <= 15% Substitute PQL	GWPS	2.000

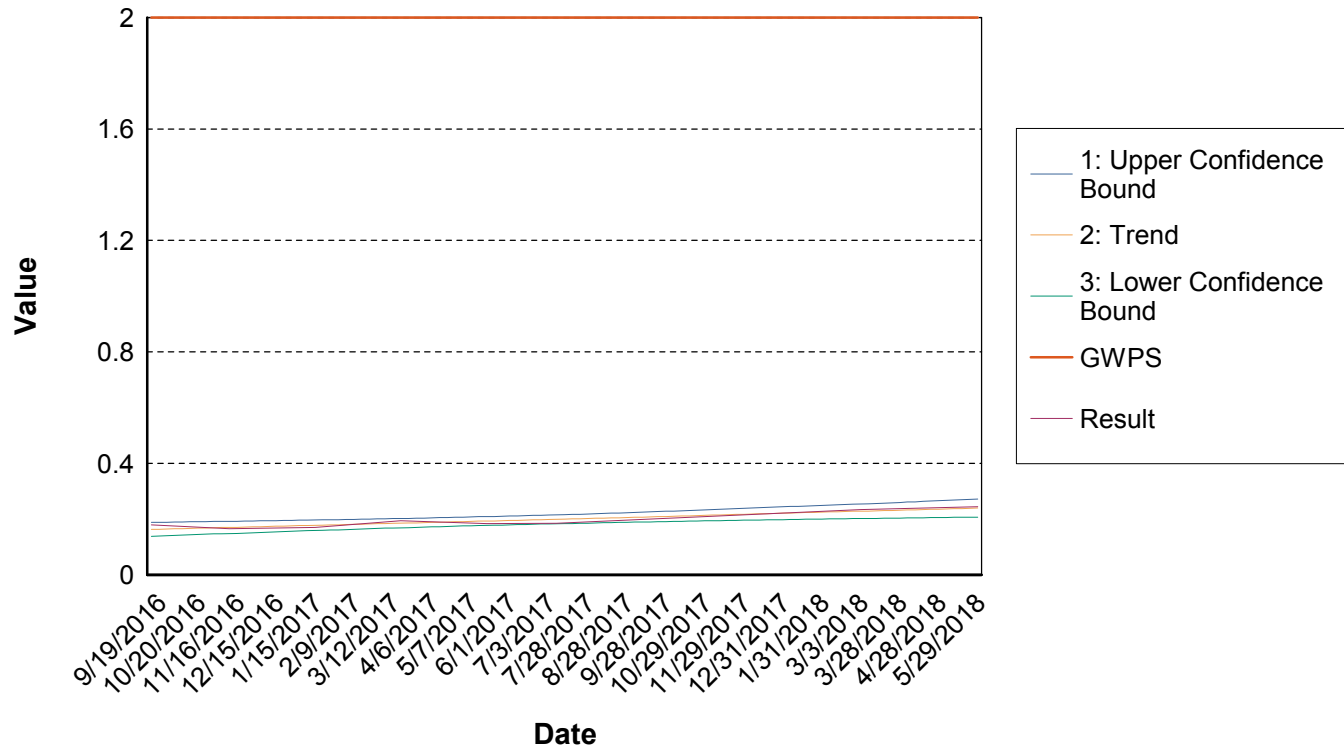
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.179	0.179	0.001	0.000	N
11/15/2016	0.166	0.166	0.001	0.000	N
01/18/2017	0.170	0.170	0.002	0.000	N
03/21/2017	0.194	0.194	0.002	0.000	N
05/23/2017	0.184	0.184	0.002	0.000	N
07/10/2017	0.185	0.185	0.002	0.000	N
03/05/2018	0.234	0.234	0.002	0.000	N
06/05/2018	0.244	0.244	0.002	0.000	N

Confidence Band Around Linear Regression

Run Id: 18

Location MW-AP-02 Parameter Barium, tot mg/L

Confidence Band Around Linear Regression



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Confidence Band Around Theil-Sen Line

Location Id:	MW-AP-01	Parameter:	Molybdenum, total mg/L							Run Id:	12
Count	Sided	Alpha	Bootstrap Replicates	Extended Days	Trended Points	Upper Confidence	Lower Confidence	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	500	0	101	-0.006	0.004	13	0% to <= 15% Substitute PQL	GWPS	0.100

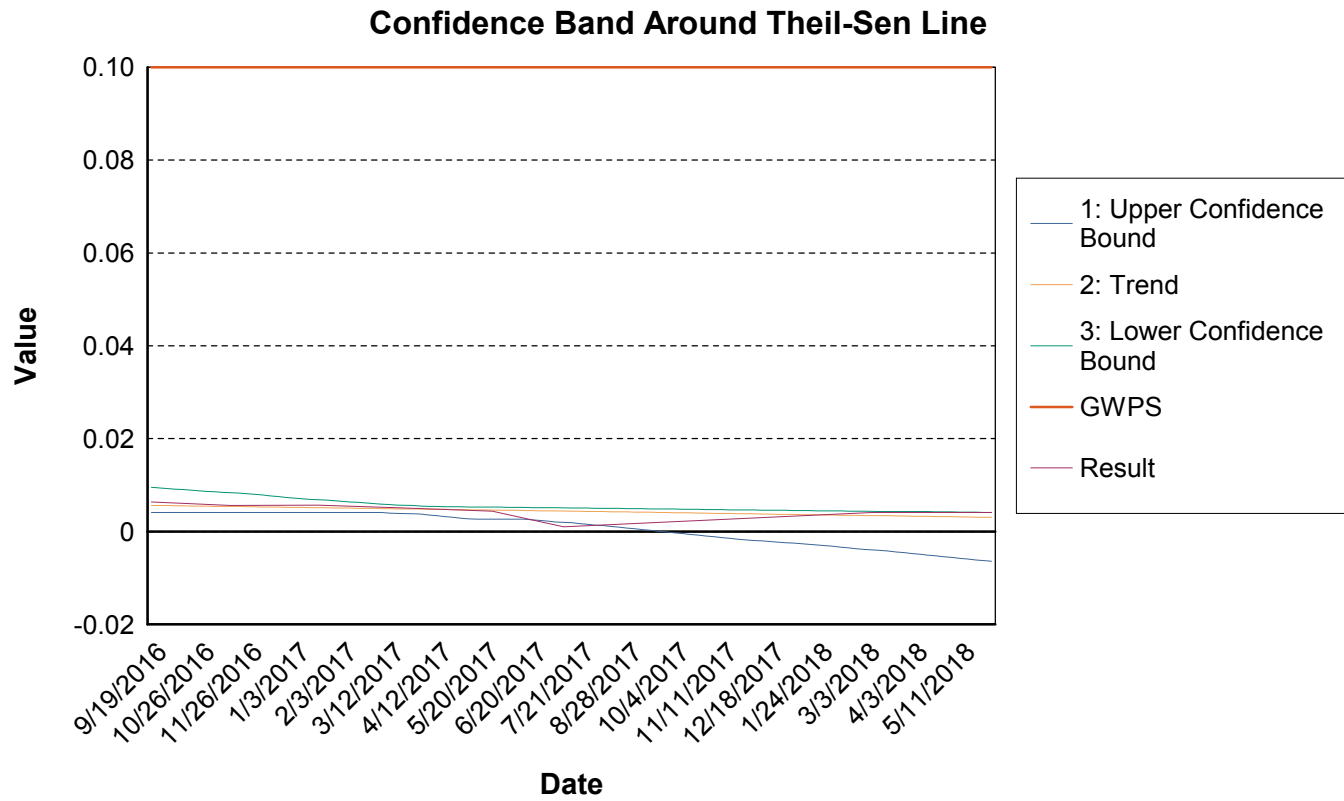
(@Last Sample Date)

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.006	0.006	0.002	0.005	0.000	N
11/16/2016	0.006	0.006	0.000	0.001	0.000	N
01/18/2017	0.006	0.006	0.000	0.001	0.000	N
03/21/2017	0.005	0.005	0.000	0.001	0.000	N
05/23/2017	0.004	0.004	0.000	0.001	0.000	N
07/10/2017	0.001	0.006	0.000	0.001	0.000	Y
03/05/2018	0.004	0.004	0.000	0.001	0.000	N
06/05/2018	0.004	0.004	0.000	0.001	0.000	N

Confidence Band Around Theil-Sen Line

Run Id: 12

Location MW-AP-01 Parameter Molybdenum, total mg/L



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Confidence Interval Around Lognormal Geometric Mean

Location Id: MW-AP-04		Parameter: Fluoride, total mg/L		Run Id: 53									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	n/y	0.343	0.270	2.998	0.159	0.524	y	0	0% to <= 15% Substitute 1/2 PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.351	0.351	0.033	0.100	0.000	N						
11/15/2016		0.357	0.357	0.033	0.100	0.000	N						
01/18/2017		0.259	0.259	0.033	0.100	0.000	N						
03/21/2017		0.187	0.187	0.033	0.100	0.000	N						
05/23/2017		0.195	0.195	0.033	0.100	0.000	N						
07/10/2017		0.188	0.188	0.033	0.100	0.000	N						
03/06/2018		0.990	0.990	0.025	0.200	0.000	N						
06/05/2018		0.220	0.220	0.025	0.200	0.000	N						

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Confidence Interval Around Lognormal Geometric Mean

Location Id: MW-AP-08		Parameter: Chromium, tot mg/L		Run Id: 81									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	n/y	0.001	0.000	2.998	0.001	0.001	y	50	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016		0.001	0.001	0.000	0.001	0.000					N		
11/15/2016		0.001	0.001	0.000	0.001	0.000					Y		
01/18/2017		0.002	0.002	0.000	0.002	0.000					Y		
03/21/2017		0.001	0.001	0.000	0.001	0.000					N		
05/22/2017		0.001	0.001	0.000	0.001	0.000					N		
07/06/2017		0.002	0.002	0.000	0.001	0.000					N		
03/06/2018		0.001	0.001	0.000	0.001	0.000					Y		
06/04/2018		0.001	0.001	0.000	0.001	0.000					Y		

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Confidence Interval Around Lognormal Geometric Mean

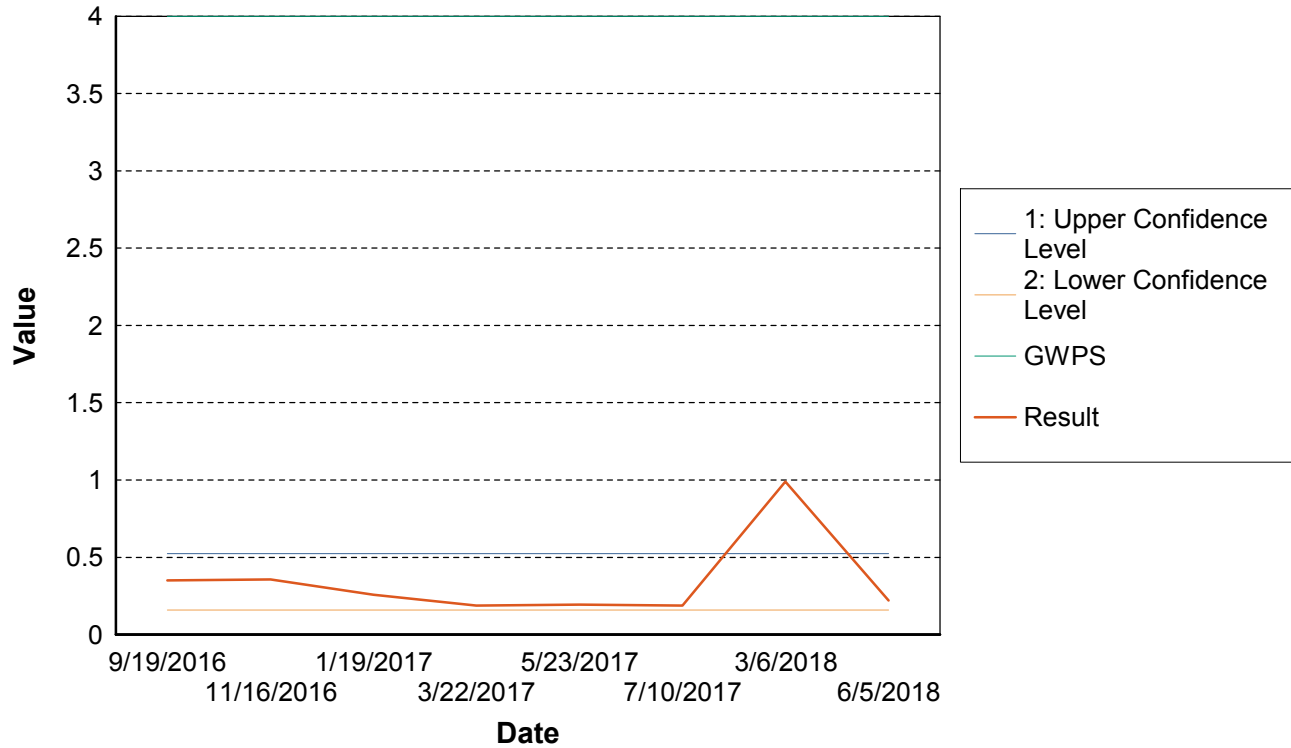
Location Id: MW-AP-08		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 88									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	n/y	4.564	5.827	2.998	1.331	7.233	y	0	0% to <= 15% Substitute 1/2 PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
09/19/2016	1.418	1.418	0.000	0.000	0.000	N							
11/15/2016	3.640	3.640	0.000	0.000	0.000	N							
01/18/2017	3.236	3.236	0.000	0.000	0.000	N							
03/21/2017	1.847	1.847	0.000	0.000	0.000	N							
05/22/2017	2.720	2.720	0.000	0.000	0.000	N							
07/06/2017	18.860	18.860	0.000	0.000	0.000	N							
03/06/2018	1.830	1.830	1.830	0.000	0.000	N							
06/06/2018	2.962	2.962	2.375	0.000	0.000	N							

Confidence Interval Around Lognormal Geometric Mean

Run Id: 53

Location MW-AP-04 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

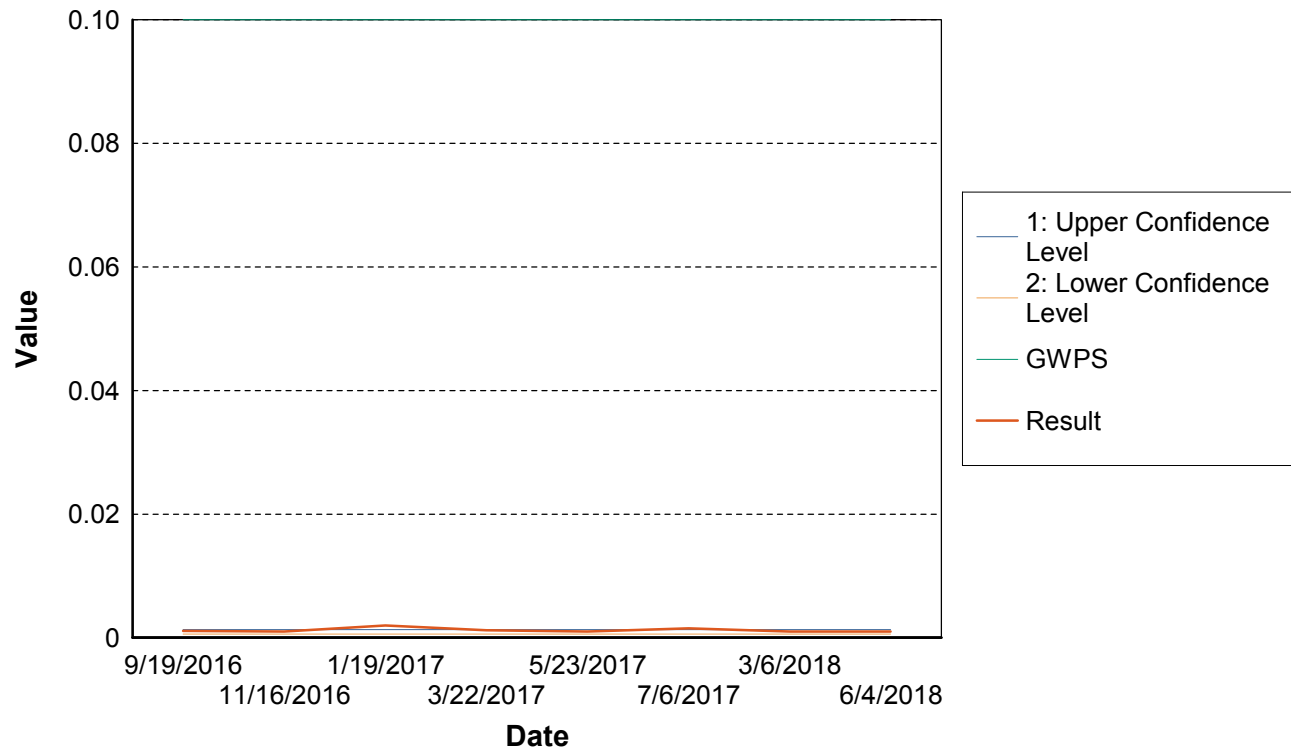


Confidence Interval Around Lognormal Geometric Mean

Run Id: 81

Location MW-AP-08 Parameter Chromium, tot mg/L

Confidence Interval Around Normal Mean

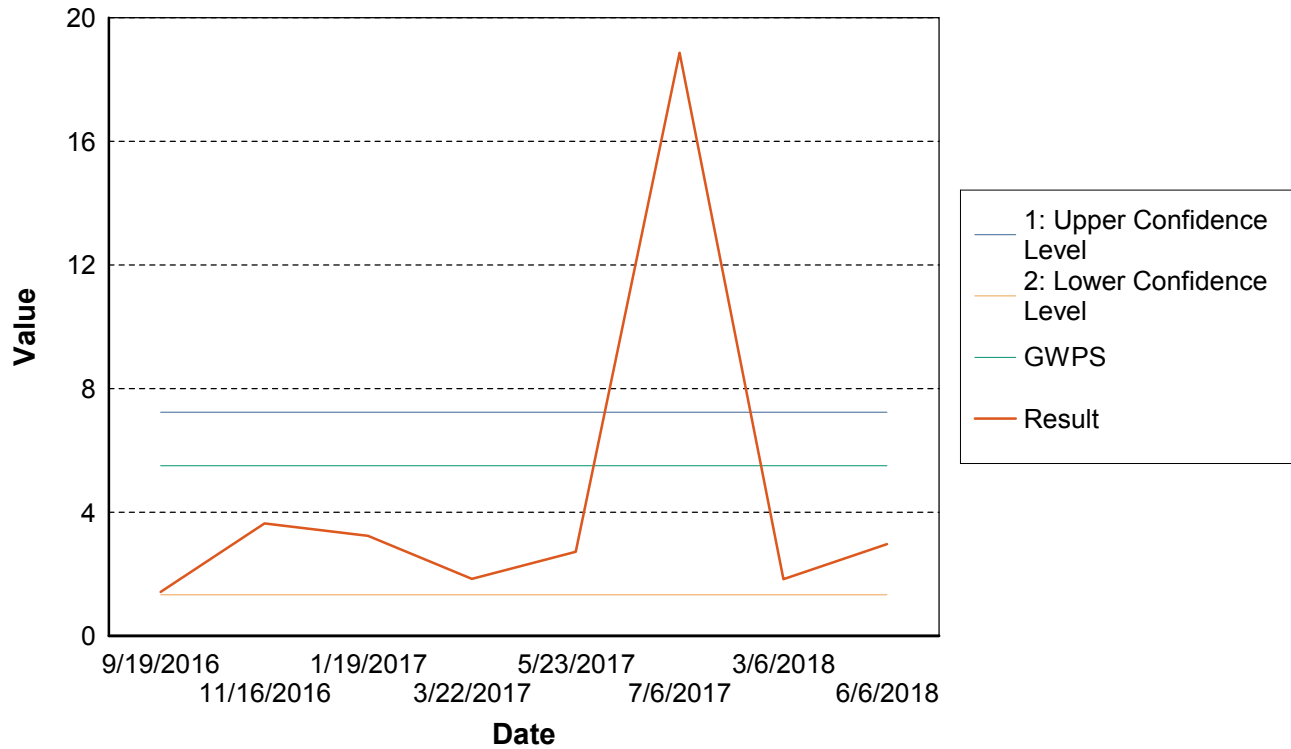


Confidence Interval Around Lognormal Geometric Mean

Run Id: 88

Location MW-AP-08 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean



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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-01		Parameter: Arsenic, tot mg/L		Run Id: 2							
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.001	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.010
<u>Sample Date</u>		<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Lmit</u>		<u>PQL</u>		<u>RL</u>		<u>Non Detect</u>	
09/19/2016		0.001	0.000	0.000		0.001		0.000		Y	
11/16/2016		0.001	0.001	0.000		0.001		0.000		Y	
01/18/2017		0.001	0.001	0.000		0.001		0.000		N	
03/21/2017		0.001	0.000	0.000		0.001		0.000		Y	
05/23/2017		0.001	0.000	0.000		0.001		0.000		Y	
07/10/2017		0.001	0.001	0.000		0.001		0.000		Y	
03/05/2018		0.001	0.000	0.000		0.001		0.000		Y	
06/05/2018		0.001	0.000	0.000		0.001		0.000		Y	

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-01		Parameter: Chromium, tot mg/L						Run Id: 6			
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.003	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.100

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.001	0.000	0.000	0.001	0.000	Y
11/16/2016	0.001	0.000	0.000	0.001	0.000	Y
01/18/2017	0.003	0.003	0.000	0.001	0.000	N
03/21/2017	0.001	0.001	0.000	0.001	0.000	Y
05/23/2017	0.001	0.001	0.000	0.001	0.000	Y
07/10/2017	0.001	0.001	0.000	0.001	0.000	Y
03/05/2018	0.001	0.000	0.000	0.001	0.000	Y
06/05/2018	0.001	0.000	0.000	0.001	0.000	Y

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-02		Parameter: Chromium, tot mg/L						Run Id: 21			
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.001	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.100

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.001	0.001	0.000	0.001	0.000	Y
11/15/2016	0.001	0.000	0.000	0.001	0.000	Y
01/18/2017	0.001	0.001	0.000	0.001	0.000	N
03/21/2017	0.001	0.001	0.000	0.001	0.000	Y
05/23/2017	0.001	0.001	0.000	0.001	0.000	Y
07/10/2017	0.001	0.001	0.000	0.001	0.000	Y
03/05/2018	0.001	0.000	0.000	0.001	0.000	Y
06/05/2018	0.001	0.001	0.000	0.001	0.000	Y

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-05		Parameter: Chromium, tot mg/L						Run Id: 66			
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.001	38.0	> 15% to <= 50% Substitute PQL	GWPS	0.100

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.001	0.001	0.000	0.001	0.000	N
11/15/2016	0.001	0.001	0.000	0.001	0.000	Y
01/18/2017	0.001	0.001	0.000	0.001	0.000	Y
03/21/2017	0.001	0.001	0.000	0.001	0.000	N
05/22/2017	0.001	0.001	0.000	0.001	0.000	N
07/06/2017	0.001	0.001	0.000	0.001	0.000	N
03/06/2018	0.001	0.001	0.000	0.001	0.000	Y
06/04/2018	0.001	0.001	0.000	0.001	0.000	N

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-05		Parameter: Co, tot mg/L										Run Id: 67
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS	
8	1	0.99	1.00	1	1	0.001	0.002	75.0	> 50% to <= 100 % Substitute PQL	GWPS	0.006	

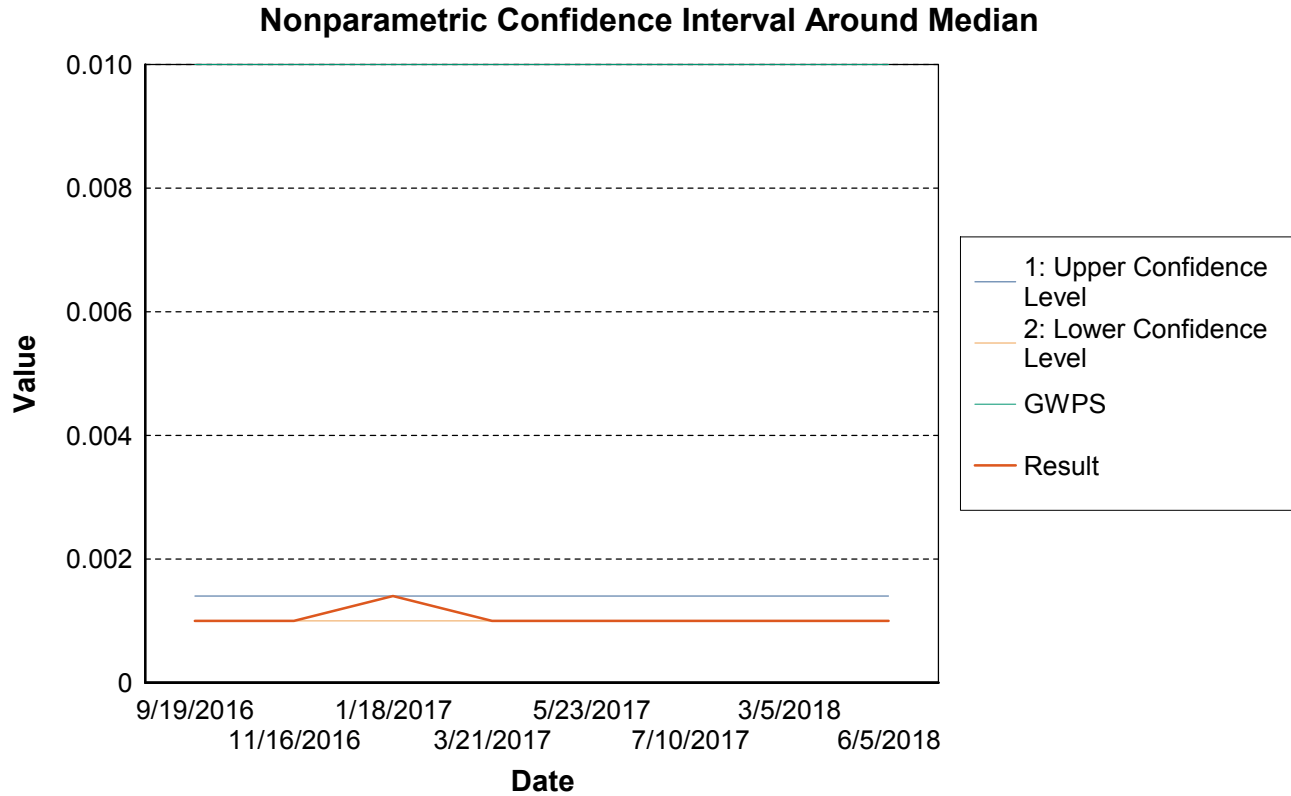
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
09/19/2016	0.002	0.002	0.000	0.001	0.000	N
11/15/2016	0.001	0.001	0.000	0.001	0.000	N
01/18/2017	0.001	0.001	0.000	0.001	0.000	Y
03/21/2017	0.001	0.001	0.000	0.001	0.000	Y
05/22/2017	0.001	0.001	0.000	0.001	0.000	Y
07/06/2017	0.001	0.001	0.000	0.001	0.000	Y
03/06/2018	0.001	0.001	0.000	0.001	0.000	Y
06/04/2018	0.001	0.001	0.000	0.001	0.000	Y

* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 2

Location MW-AP-01 Parameter Arsenic, tot mg/L

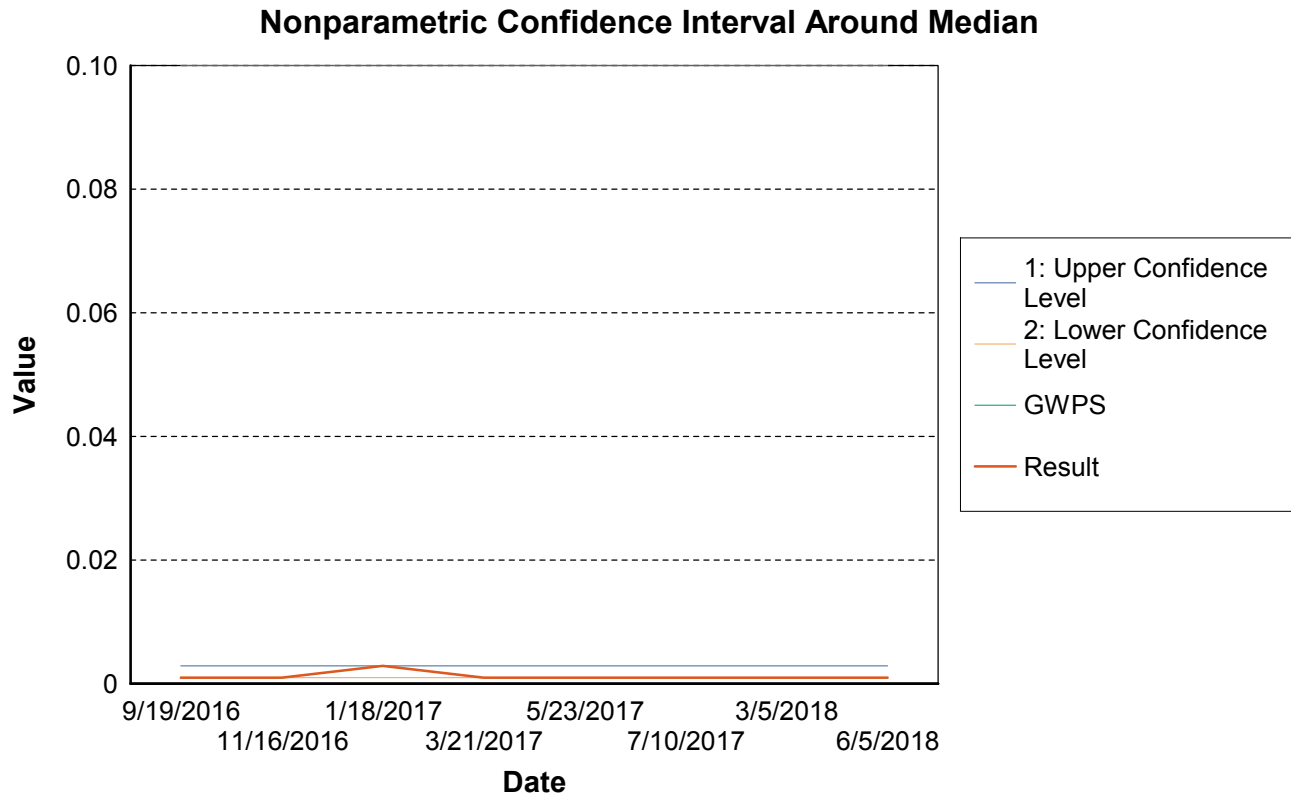


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 6

Location MW-AP-01 Parameter Chromium, tot mg/L

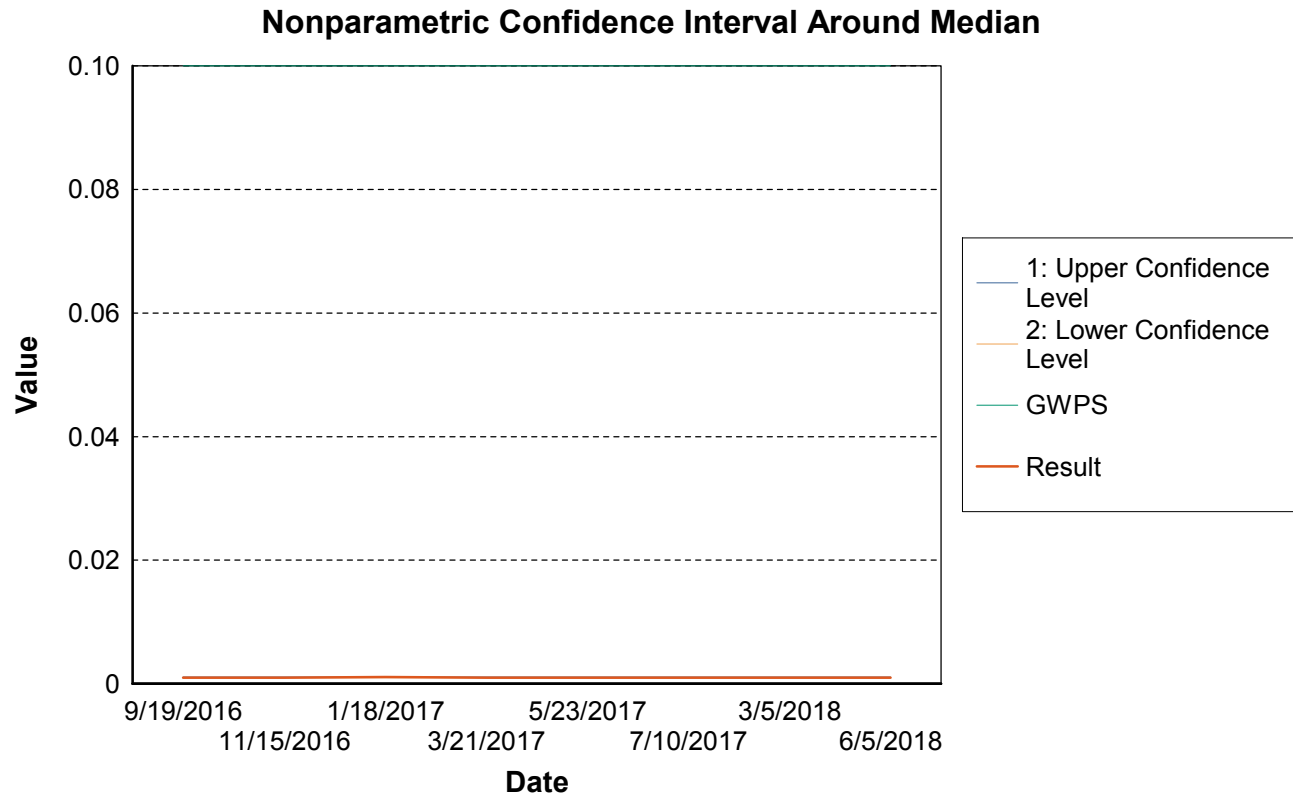


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 21

Location MW-AP-02 Parameter Chromium, tot mg/L

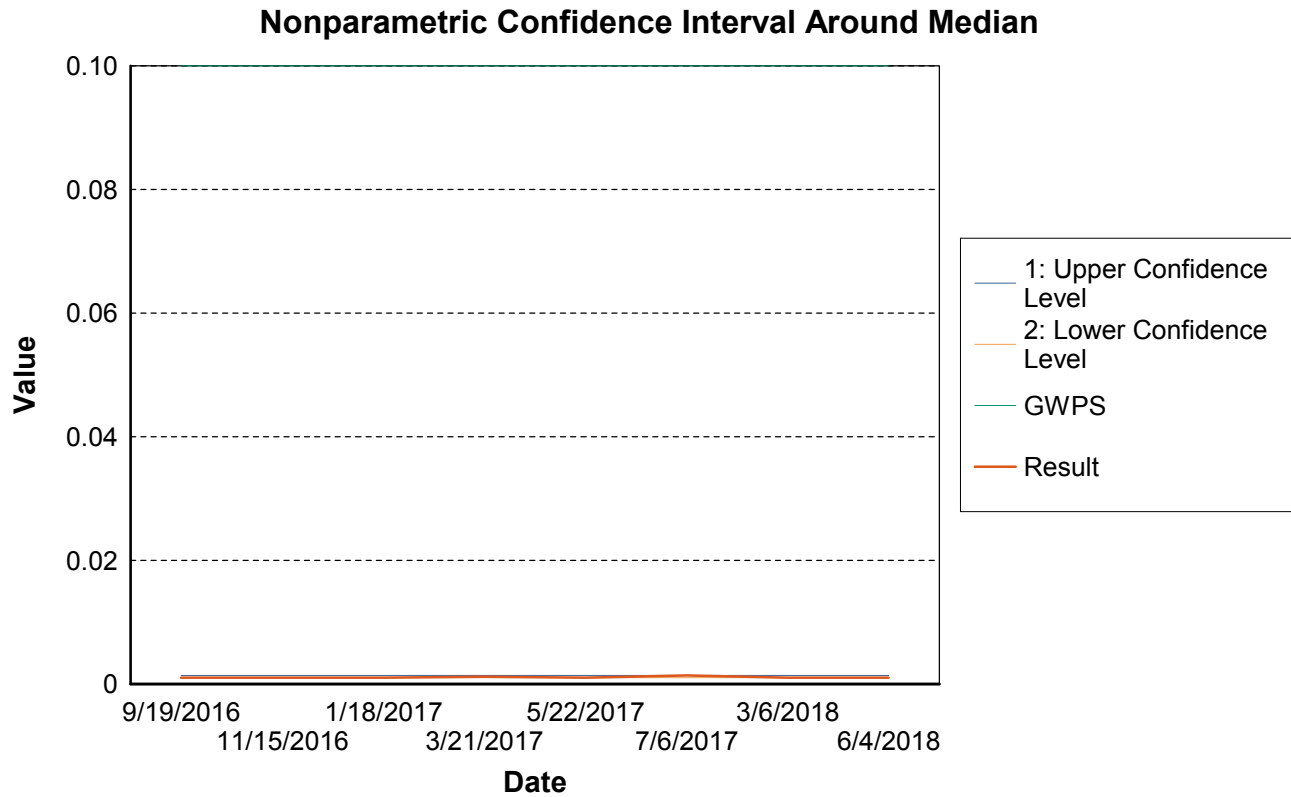


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 66

Location MW-AP-05 Parameter Chromium, tot mg/L

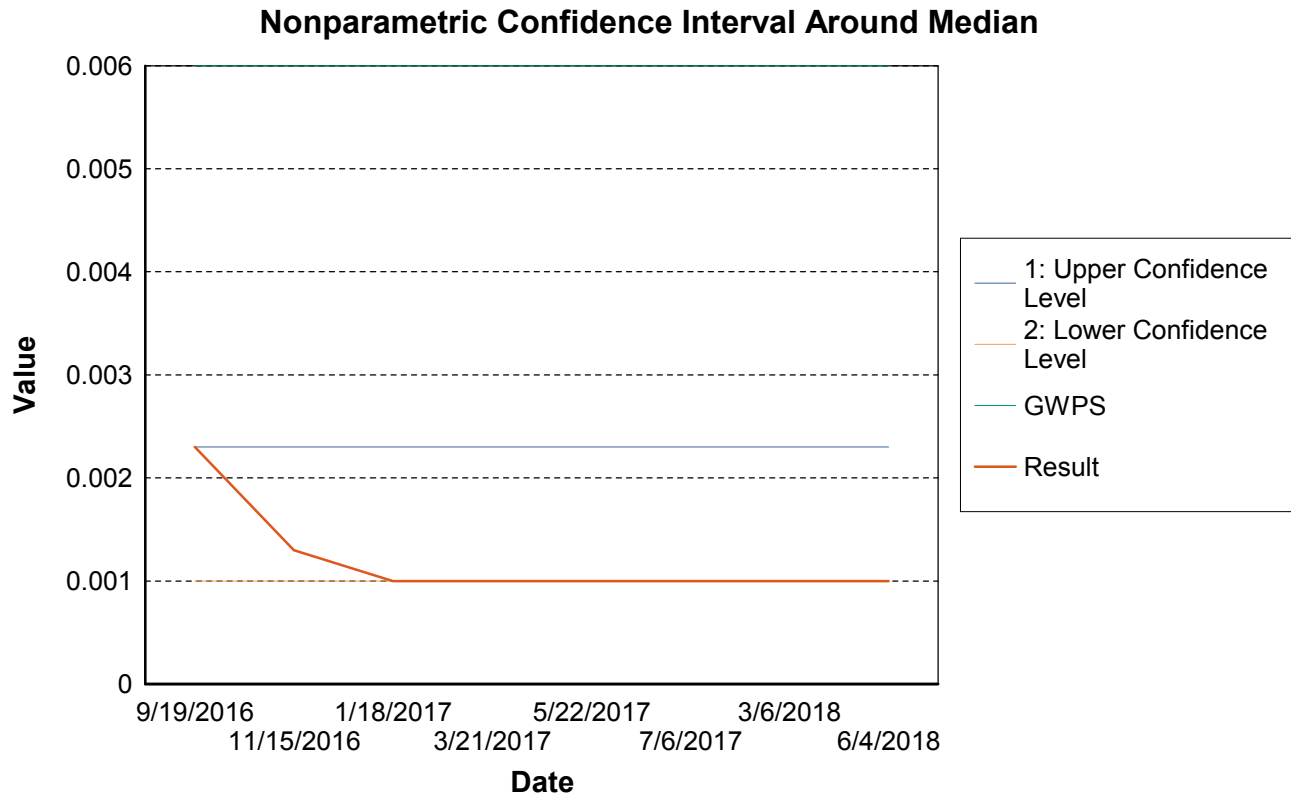


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 67

Location MW-AP-05 Parameter Co, tot mg/L



* The specified confidence level was not achieved due to a low number of compliance samples.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

<u>Location:</u> MW-AP-01	<u>B1 Year</u>	<u>Type:</u> Groundwater	<u>Class:</u> Downgradient	Based on equation $c = b_0 + b_1 * t$		
<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Antimony, total	01097	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
2.856	-0.02337	0.389	-2.2590	1.8595	0.0269	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Arsenic, total	01002	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
21.239	-0.17679	0.120	-1.0447	1.8595	0.1634	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>B1 Year</u> <u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Barium, total	01007	ug/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
-5,278.074	46.93377	0.889	7.9989	1.8595	1.0000

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Beryllium, total	01012	ug/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
-6.473	0.05569	0.775	5.2450	1.8595	0.9996

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Boron, total	01022	ug/L	11	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
-67,037.648	584.01514	0.894	8.7250	1.8331	1.0000

Test Results: The test hypothesis of slope (slope > 0) is accepted.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cadmium,total	01027	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
0.769	-0.00633	0.021	-0.4191	1.8595	0.3431	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Calcium, total	00916	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-1,686,755.142	14,842.99313	0.955	13.8563	1.8331	1.0000	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chloride, total in water	00940	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-1,381.061	13.11610	0.045	0.6517	1.8331	0.7346	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chromium, total	01034	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
29.193	-0.24309	0.041	-0.5877	1.8595	0.2865	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cobalt, total	01037	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
2.591	-0.02152	0.045	-0.6167	1.8595	0.2773	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Fluoride, total	00951	mg/L	11	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
4.952	-0.03947	0.063	-0.7776	1.8331	0.2284

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Lead, total	01051	ug/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
-0.998	0.00902	0.018	0.3883	1.8595	0.6460

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Lithium, total	01132	ug/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
43.632	-0.36487	0.669	-4.0238	1.8595	0.0019

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Mercury, total	71900	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1.840	-0.01504	0.066	-0.7529	1.8595	0.2365	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Molybdenum, total	01062	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
54.509	-0.42267	0.091	-0.8938	1.8595	0.1988	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
pH (field)	00400	S.U.	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-0.534	0.06061	0.033	0.5558	1.8331	0.7041	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 226, total	09501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
28.778	-0.23691	0.057	-0.6985	1.8595	0.2523	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 228, total	11501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
8.200	-0.06304	0.058	-0.7048	1.8595	0.2505	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Selenium, total	01147	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
18.439	-0.14887	0.330	-1.9851	1.8595	0.0412	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Sulfate, total	00945	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
151.697	-1.25217	0.046	-0.6625	1.8331	0.2621	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Thallium, total	01059	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-0.247	0.00000	0.003	0.1651	1.8595	0.5635	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

<u>Parameter</u>	<u>B1 Year</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$
Total Dissolved Solids		00515	mg/L	11	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>		<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
-12,074.302	106.67778		0.939	11.7925	1.8331	1.0000

Test Results: The test hypothesis of slope (slope > 0) is accepted.

Location: MW-AP-02

Type: Groundwater

Class: Downgradient

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>
Antimony, total	01097	ug/L	10	year
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>
10.766	-0.08998	0.700	-4.3170	1.8595
				<u>P level of test</u>
				0.0013

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Arsenic, total	01002	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-992.651	10.17726	0.004	0.1876	1.8595	0.5721	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Barium, total	01007	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-2,969.485	26.99509	0.502	2.8415	1.8595	0.9891	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Beryllium, total	01012	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-5.747	0.04980	0.379	2.2078	1.8595	0.9709	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Boron, total	01022	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-54,220.408	471.06033	0.617	3.8080	1.8331	0.9979	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cadmium,total	01027	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1.634	-0.01367	0.825	-6.1381	1.8595	0.0001	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Calcium, total	00916	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
120,088.911	-490.89763	0.001	-0.1057	1.8331	0.4591	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chloride, total in water	00940	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-3,874.310	33.80440	0.335	2.1311	1.8331	0.9690	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chromium, total	01034	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
17.689	-0.14560	0.130	-1.0944	1.8595	0.1528	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Cobalt, total	01037	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
7.222	-0.05482	0.022	-0.4266	1.8595	0.3404	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Fluoride, total	00951	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
7.107	-0.05795	0.108	-1.0454	1.8331	0.1616	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Lead, total	01051	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
2.875	-0.02379	0.092	-0.8988	1.8595	0.1975	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lithium, total	01132	ug/L	15	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-440.954	3.94004	0.043	0.7656	1.7709	0.7712	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Mercury, total	71900	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.585	-0.08888	0.695	-4.2683	1.8595	0.0014	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Molybdenum, total	01062	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1,407.339	-11.73412	0.216	-1.4828	1.8595	0.0882	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
pH (field)	00400	S.U.	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
9.535	-0.02722	0.005	-0.2068	1.8331	0.4204	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 226, total	09501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
36.889	-0.30672	0.283	-1.7748	1.8595	0.0569	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>B1 Year Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 228, total	11501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
11.771	-0.08849	0.005	-0.2012	1.8595	0.4228	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Selenium, total	01147	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
91.846	-0.76815	0.821	-6.0607	1.8595	0.0002	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Sulfate, total	00945	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1,253.493	-10.37468	0.250	-1.7313	1.8331	0.0587	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Thallium, total	01059	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
0.316	0.00000	0.096	-0.9214	1.8595	0.1919	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Total Dissolved Solids	00515	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-5,792.121	52.81570	0.343	2.1697	1.8331	0.9709	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

Location: MW-AP-03

Type: Groundwater

Class: Downgradient

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Antimony, total	01097	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.766	-0.08998	0.700	-4.3170	1.8595	0.0013	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Arsenic, total	01002	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-7,169.820	71.39459	0.012	0.3089	1.8595	0.6174	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Barium, total	01007	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-3,363.128	30.01691	0.296	1.8350	1.8595	0.9481	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Beryllium, total	01012	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-3.310	0.02915	0.107	0.9799	1.8595	0.8221	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Boron, total	01022	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-16,287.854	148.58166	0.174	1.3784	1.8331	0.8993	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cadmium,total	01027	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1.236	-0.01029	0.820	-6.0325	1.8595	0.0002	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Calcium, total	00916	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-230,642.821	2,593.98276	0.014	0.3542	1.8331	0.6343	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chloride, total in water	00940	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-4,172.765	36.00903	0.618	3.8126	1.8331	0.9979	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Chromium, total	01034	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
21.504	-0.17884	0.313	-1.9105	1.8595	0.0462	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cobalt, total	01037	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-11.031	0.09620	0.578	3.3087	1.8595	0.9946	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Fluoride, total	00951	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
23.316	-0.19318	0.301	-1.9688	1.8331	0.0403	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lead, total	01051	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
6.306	-0.05262	0.082	-0.8447	1.8595	0.2114	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lithium, total	01132	ug/L	15	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-1,086.841	9.94889	0.046	0.7883	1.7709	0.7777	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Mercury, total	71900	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.585	-0.08888	0.695	-4.2683	1.8595	0.0014	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Molybdenum, total	01062	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
416.830	-3.39933	0.086	-0.8697	1.8595	0.2049	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
pH (field)	00400	S.U.	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
7.833	-0.01145	0.001	-0.0878	1.8331	0.4660	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Radium 226, total	09501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-9.697	0.09352	0.016	0.3640	1.8595	0.6374	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 228, total	11501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
39.975	-0.32830	0.215	-1.4784	1.8595	0.0888	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Selenium, total	01147	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
91.846	-0.76815	0.821	-6.0607	1.8595	0.0002	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Sulfate, total	00945	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-492.185	4.72553	0.033	0.5543	1.8331	0.7036	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Thallium, total	01059	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
0.316	0.00000	0.096	-0.9214	1.8595	0.1919	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Total Dissolved Solids	00515	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-8,014.147	71.54585	0.736	5.0095	1.8331	0.9996	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

Location: MW-AP-04

Type: Groundwater

Class: Downgradient

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Antimony, total	01097	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.760	-0.08993	0.700	-4.3178	1.8595	0.0013	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Arsenic, total	01002	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-2,516.898	21.74700	0.234	1.5615	1.8595	0.9215	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Barium, total	01007	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-3,251.312	29.34536	0.395	2.2838	1.8595	0.9741	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Beryllium, total	01012	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-5.738	0.04972	0.378	2.2046	1.8595	0.9707	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Boron, total	01022	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
22,232.346	-173.65857	0.024	-0.4713	1.8331	0.3243	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cadmium,total	01027	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1.236	-0.01028	0.820	-6.0444	1.8595	0.0002	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Calcium, total	00916	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-44,366.805	1,174.96707	0.001	0.0837	1.8331	0.5324	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chloride, total in water	00940	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
205.211	-1.62907	0.129	-1.1562	1.8331	0.1387	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chromium, total	01034	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
15.323	-0.12456	0.257	-1.6633	1.8595	0.0674	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cobalt, total	01037	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
4.487	-0.03656	0.010	-0.2851	1.8595	0.3914	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Fluoride, total	00951	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-11.396	0.10001	0.084	0.9063	1.8331	0.8058	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lead, total	01051	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-6.873	0.05920	0.606	3.5065	1.8595	0.9960	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lithium, total	01132	ug/L	15	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
126.239	-1.06443	0.408	-2.9912	1.7709	0.0052	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Mercury, total	71900	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.583	-0.08886	0.695	-4.2744	1.8595	0.0014	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Molybdenum, total	01062	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
51.901	-0.43800	0.346	-2.0560	1.8595	0.0369	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
pH (field)	00400	S.U.	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
3.489	0.02490	0.004	0.1991	1.8331	0.5767	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 226, total	09501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
20.189	-0.16158	0.097	-0.9252	1.8595	0.1910	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 228, total	11501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
76.863	-0.64182	0.314	-1.9138	1.8595	0.0460	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Selenium, total	01147	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
91.815	-0.76789	0.822	-6.0705	1.8595	0.0001	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Sulfate, total	00945	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
51.144	-0.43140	0.682	-4.3924	1.8331	0.0009	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Thallium, total	01059	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
0.317	0.00000	0.097	-0.9247	1.8595	0.1911	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Total Dissolved Solids	00515	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-153.907	4.92625	0.012	0.3318	1.8331	0.6262	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Location: MW-AP-05

Type: Groundwater

Class: Downgradient

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Antimony, total	01097	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.795	-0.09022	0.702	-4.3407	1.8595	0.0012	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Arsenic, total	01002	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
49.183	-0.40669	0.296	-1.8319	1.8595	0.0522	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Barium, total	01007	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1,212.200	-8.64137	0.199	-1.4095	1.8595	0.0982	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Beryllium, total	01012	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-5.734	0.04969	0.376	2.1962	1.8595	0.9703	

Test Results: The test hypothesis of slope (slope > 0) is accepted.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Boron, total	01022	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1,665.284	-13.36670	0.016	-0.3787	1.8331	0.3569	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cadmium,total	01027	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1.290	-0.01074	0.787	-5.4423	1.8595	0.0003	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Calcium, total	00916	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
116,925.056	-893.48798	0.658	-4.1636	1.8331	0.0012	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chloride, total in water	00940	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-4.547	0.20266	0.034	0.5589	1.8331	0.7051	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chromium, total	01034	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-2.443	0.02863	0.005	0.1905	1.8595	0.5732	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Cobalt, total	01037	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
21.195	-0.17304	0.046	-0.6191	1.8595	0.2765	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Fluoride, total	00951	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
3.882	-0.03257	0.628	-3.8980	1.8331	0.0018	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lead, total	01051	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-8.441	0.07303	0.292	1.8183	1.8595	0.9467	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

	<u>B1 Year</u>	Based on equation $c = b0 + b1 * t$			
Parameter	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Lithium, total	01132	ug/L	15	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
75.155	-0.62746	0.196	-1.7783	1.7709	0.0494

Test Results: The test hypothesis of slope (slope > 0) is rejected.

	<u>B1 Year</u>	Based on equation $c = b0 + b1 * t$			
Parameter	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Mercury, total	71900	ug/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
10.621	-0.08919	0.698	-4.3026	1.8595	0.0013

Test Results: The test hypothesis of slope (slope > 0) is rejected.

	<u>B1 Year</u>	Based on equation $c = b0 + b1 * t$			
Parameter	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Molybdenum, total	01062	ug/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
58.980	-0.49946	0.352	-2.0863	1.8595	0.0352

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
pH (field)	00400	S.U.	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
12.071	-0.05319	0.004	-0.1936	1.8331	0.4254	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Radium 226, total	09501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
154.206	-1.30449	0.254	-1.6510	1.8595	0.0687	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Radium 228, total	11501	pCi/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
59.947	-0.50060	0.274	-1.7388	1.8595	0.0601	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Selenium, total	01147	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
98.916	-0.82789	0.711	-4.4388	1.8595	0.0011	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Sulfate, total	00945	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-459.140	3.97868	0.051	0.6927	1.8331	0.7470	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Thallium, total	01059	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
0.511	-0.00409	0.107	-0.9803	1.8595	0.1778	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Total Dissolved Solids	00515	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
255.460	0.07786	0.000	0.0060	1.8331	0.5023	

Test Results: Test not performed. Either the R Square or Slope is approaching zero.

Location: MW-AP-08

Type: Groundwater

Class: Downgradient

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Antimony, total	01097	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.795	-0.09022	0.702	-4.3407	1.8595	0.0012	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Arsenic, total	01002	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
182.823	-1.51598	0.174	-1.2973	1.8595	0.1153	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b_0 + b_1 * t$	
Barium, total	01007	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
500.122	-2.91846	0.011	-0.2937	1.8595	0.3882	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

**Wateree Station
Linear Regression of Conc vs. Time**

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Beryllium, total	01012	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
131.227	-1.09419	0.246	-1.6159	1.8595	0.0724	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Boron, total	01022	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1,585.632	-11.32703	0.011	-0.3225	1.8331	0.3772	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cadmium,total	01027	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
1.208	-0.01004	0.612	-3.5495	1.8595	0.0038	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Calcium, total	00916	ug/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
274,485.721	-2,167.42488	0.264	-1.7986	1.8331	0.0528	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Chloride, total in water	00940	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-124.428	1.20185	0.042	0.6278	1.8331	0.7271	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

<u>Parameter</u>	<u>B1 Year</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	Based on equation $c = b0 + b1 * t$	
Chromium, total	01034	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
42.558	-0.35264	0.256	-1.6600	1.8595	0.0678	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Cobalt, total	01037	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
735.115	-6.15307	0.293	-1.8216	1.8595	0.0530	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Fluoride, total	00951	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
12.440	-0.10331	0.324	-2.0780	1.8331	0.0337	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lead, total	01051	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
4.864	-0.04049	0.076	-0.8135	1.8595	0.2197	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Lithium, total	01132	ug/L	15	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
301.018	-2.47891	0.183	-1.7036	1.7709	0.0561	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Mercury, total	71900	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
10.621	-0.08919	0.698	-4.3026	1.8595	0.0013	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Molybdenum, total	01062	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
63.802	-0.54076	0.393	-2.2749	1.8595	0.0262	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
pH (field)	00400	S.U.	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
5.571	0.00000	0.000	0.0286	1.8331	0.5111	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

	<u>B1 Year</u>			Based on equation $c = b0 + b1 * t$	
<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
Radium 226, total	09501	pCi/L	10	year	
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
-85.727	0.75410	0.009	0.2742	1.8595	0.6045

Test Results: The test hypothesis of slope (slope > 0) is rejected.

	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
<u>Parameter</u>	11501	pCi/L	10	year	
Radium 228, total					
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
97.354	-0.81652	0.426	-2.4366	1.8595	0.0204

Test Results: The test hypothesis of slope (slope > 0) is rejected.

	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>	
<u>Parameter</u>	01147	ug/L	10	year	
Selenium, total					
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>
341.496	-2.79574	0.042	-0.5906	1.8595	0.2855

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range: 08/23/1994 to 06/17/2018 **Option for LT Pts:** x 0.50
Confidence Level: 95.00% **Slope Test:** slope > 0
Compliance Locations: MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08

B1 Year

Based on equation $c = b0 + b1 * t$

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Sulfate, total	00945	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
2,412.358	-19.87853	0.095	-0.9699	1.8331	0.1787	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Thallium, total	01059	ug/L	10	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
0.237	0.00000	0.036	-0.5450	1.8595	0.3003	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

<u>Parameter</u>	<u>Code</u>	<u>Units</u>	<u>Number of Samples</u>	<u>Time Units</u>		
Total Dissolved Solids	00515	mg/L	11	year		
<u>Intercept, b0</u>	<u>Slope, b1</u>	<u>R square</u>	<u>Test statistic for slope, Ts</u>	<u>Critical Value, Tcr</u>	<u>P level of test</u>	
-253.185	4.97054	0.001	0.0987	1.8331	0.5382	

Test Results: The test hypothesis of slope (slope > 0) is rejected.

Wateree Station
Linear Regression of Conc vs. Time

User Supplied Information

Date Range:	08/23/1994 to 06/17/2018	Option for LT Pts:	x 0.50
Confidence Level:	95.00%	Slope Test:	slope > 0
Compliance Locations:	MW-AP-01,MW-AP-02,MW-AP-03,MW-AP-04,MW-AP-05,MW-AP-08		

B1 Year

Based on equation $c = b_0 + b_1 * t$

Wateree Station Assessment Monitoring Summary

Location Id: MW-AP-01

Background Data Information					Compliance Data Information													
<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u> <u>ND</u>	<u>Normal/</u> <u>Lognormal</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u> <u>ND</u>	<u>Trend</u>	<u>Normal/</u> <u>Lognormal</u>	<u>GWPS</u> <u>Basis</u>	<u>Comparison</u> <u>Test</u>	<u>Compare</u> <u>To</u>	<u>Comparison</u> <u>Value</u>	<u>GWPS</u>	<u>SSL</u>		
<u>Run Id:</u>	1	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO
---	---	---	---	---	Confidence interval not calculated because all compliance data are non-detect.													
<u>Run Id:</u>	2	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				07/30/2016	09/11/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.010	NO
<u>Run Id:</u>	3	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.211	2.000	NO
<u>Run Id:</u>	4	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO
---	---	---	---	---	Confidence interval not calculated because all compliance data are non-detect.													
<u>Run Id:</u>	5	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO
---	---	---	---	---	Confidence interval not calculated because all compliance data are non-detect.													
<u>Run Id:</u>	6	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				07/30/2016	09/11/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO
<u>Run Id:</u>	7	<u>Parameter:</u>	<u>Co, tot mg/L</u>				07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO
---	---	---	---	---	Confidence interval not calculated because all compliance data are non-detect.													
<u>Run Id:</u>	8	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				07/30/2016	09/11/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.268	4.000	NO

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-01

Background Data Information					Compliance Data Information												
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL	
<u>Run Id:</u>	9	<u>Parameter:</u>	<u>Lead, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	10	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.040	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	11	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	12	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	13	None	Y / N	GWPS	CI-Nrml Mean	LCL	0.003	0.100	NO	
<u>Run Id:</u>	13	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>														
05/11/2016	10/01/2017	16	0.00	Y / N	07/30/2016	09/11/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.464	5.502	NO	
Background-based GWPS higher than limit-based GWPS.																	
<u>Run Id:</u>	14	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	15	<u>Parameter:</u>	<u>Thallium, total mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO	
Confidence interval not calculated because all compliance data are non-detect.																	

Wateree Station
Assessment Monitoring Summary

Location Id: MW-AP-02

Background Data Information					Compliance Data Information												
Start	End	Count	Percent ND	Normal/ Lognormal	Start	End	Count	Percent ND	Trend	Normal/ Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL	
<u>Run Id:</u>	16	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	17	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.062	0.010	YES	
<u>Run Id:</u>	18	<u>Parameter:</u>	<u>Barium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.166	2.000	NO	
<u>Run Id:</u>	19	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	20	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	21	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO	
<u>Run Id:</u>	22	<u>Parameter:</u>	<u>Co, tot mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	23	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>														
---	---	---	---	---	07/30/2016	09/11/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.203	4.000	NO	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-02

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	24	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	25	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	25	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.006	0.040	NO		
<u>Run Id:</u>	26	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	27	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.006	0.100	NO		
<u>Run Id:</u>	28	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	09/11/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.362	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	29	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	30	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-03

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	31	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	32	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / N	GWPS	CI-Nrml Mean	LCL	0.622	0.010	YES		
<u>Run Id:</u>	33	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.138	2.000	NO		
<u>Run Id:</u>	34	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	35	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	36	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	37	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	38	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.403	4.000	NO		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-03

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	39	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	40	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.064	0.040	YES		
<u>Run Id:</u>	41	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	42	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	13	None	Y / N	GWPS	CI-Nrml Mean	LCL	0.008	0.100	NO		
<u>Run Id:</u>	43	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	09/11/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.934	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	44	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	45	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-04

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	46	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	47	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.013	0.010	YES		
<u>Run Id:</u>	48	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.180	2.000	NO		
<u>Run Id:</u>	49	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	50	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	51	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	52	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	53	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	N / N	GWPS	CI-NPAR	LCL	0.187	4.000	NO		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-04

Background Data Information					Compliance Data Information												
<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent ND</u>	<u>Normal/Lognormal</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent ND</u>	<u>Trend</u>	<u>Normal/Lognormal</u>	<u>GWPS Basis</u>	<u>Comparison Test</u>	<u>Compare To</u>	<u>Comparison Value</u>	<u>GWPS</u>	<u>SSL</u>	
<u>Run Id:</u>	54	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
						07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	55	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
						07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.040	NO
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	56	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
						07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	57	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
						07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	58	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N						
						07/30/2016	09/11/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	2.052	5.502	NO
Background-based GWPS higher than limit-based GWPS.																	
<u>Run Id:</u>	59	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
						07/30/2016	09/11/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	60	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
						07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO
Confidence interval not calculated because all compliance data are non-detect.																	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-05

Background Data Information					Compliance Data Information												
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL	
<u>Run Id:</u>	61	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	62	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	25	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.001	0.010	NO	
<u>Run Id:</u>	63	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.184	2.000	NO	
<u>Run Id:</u>	64	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.004	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	65	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO	
Confidence interval not calculated because all compliance data are non-detect.																	
<u>Run Id:</u>	66	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	50	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO	
<u>Run Id:</u>	67	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	88	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.006	NO	
<u>Run Id:</u>	68	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	4.000	NO	
Confidence interval not calculated because all compliance data are non-detect.																	

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-05

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	69	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	70	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.040	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	71	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	72	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	73	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	09/11/2018	8	0	None	Y / Y	PARA TI	CI-Nrml Mean	LCL	1.268	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	74	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / Y	GWPS	100%ND	LCL	0.000	0.050	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	75	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-08

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	76	<u>Parameter:</u>	<u>Antimony, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.006	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	77	<u>Parameter:</u>	<u>Arsenic, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	Downward	Y / Y	GWPS	CB-LinReg	LCB	-0.002	0.010	NO		
Trend & Residuals after subtracting trend are normal, with equal variance.																		
<u>Run Id:</u>	78	<u>Parameter:</u>	<u>Barium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.138	2.000	NO		
<u>Run Id:</u>	79	<u>Parameter:</u>	<u>Beryllium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	38	Downward	Y / Y	GWPS	CB-LinReg	LCB	0.001	0.004	NO		
Trend & Residuals after subtracting trend are normal, with equal variance.																		
<u>Run Id:</u>	80	<u>Parameter:</u>	<u>Cadmium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.005	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	81	<u>Parameter:</u>	<u>Chromium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	63	None	N / N	GWPS	CI-NPAR	LCL	0.001	0.100	NO		
<u>Run Id:</u>	82	<u>Parameter:</u>	<u>Co, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	0	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.004	0.006	NO		
<u>Run Id:</u>	83	<u>Parameter:</u>	<u>Fluoride, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.213	4.000	NO		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-08

Background Data Information					Compliance Data Information													
Start	End	Count	Percent ND	Normal/Lognormal	Start	End	Count	Percent ND	Trend	Normal/Lognormal	GWPS Basis	Comparison Test	Compare To	Comparison Value	GWPS	SSL		
<u>Run Id:</u>	84	<u>Parameter:</u>	<u>Lead, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.015	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	85	<u>Parameter:</u>	<u>Lithium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.004	0.040	NO		
<u>Run Id:</u>	86	<u>Parameter:</u>	<u>Mercury, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	87	<u>Parameter:</u>	<u>Molybdenum, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	Y / N	GWPS	100%ND	LCL	0.000	0.100	NO		
Confidence interval not calculated because all compliance data are non-detect.																		
<u>Run Id:</u>	88	<u>Parameter:</u>	<u>Radium 226 + radium 228, pCi/L</u>				05/11/2016	10/01/2017	16	0.00	Y / N							
					07/30/2016	09/11/2018	8	0	None	N / Y	PARA TI	CI-Log	LCL	0.996	5.502	NO		
Background-based GWPS higher than limit-based GWPS.																		
<u>Run Id:</u>	89	<u>Parameter:</u>	<u>Selenium, tot mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	13	None	Y / Y	GWPS	CI-Nrml Mean	LCL	0.004	0.050	NO		
<u>Run Id:</u>	90	<u>Parameter:</u>	<u>Thallium, total mg/L</u>				---	---	---	---	---	---	---	---	---	---	---	---
					07/30/2016	09/11/2018	8	100	None	N / N	GWPS	100%ND	LCL	0.000	0.002	NO		
Confidence interval not calculated because all compliance data are non-detect.																		

Wateree Station

Assessment Monitoring Summary

Location Id: MW-AP-08

Background Data Information

Compliance Data Information

<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u>	<u>Normal/ ND</u>	<u>Start</u>	<u>End</u>	<u>Count</u>	<u>Percent</u>	<u>Trend</u>	<u>Normal/ Lognormal</u>	<u>GWPS Basis</u>	<u>Comparison Test</u>	<u>Compare To</u>	<u>Comparison Value</u>	<u>GWPS</u>	<u>SSL</u>
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- UCL - Upper Confidence Level Value
- UCB - Upper Confidence Band Value at Last Sample Date
- LCL - Lower Confidence Level Value
- LCB - Lower Confidence Band Value at Last Sample Date
- Mean - Compliance Data Mean
- Median - Compliance Data Median
- Each - When background is based on Last, Median, Minimum Detection Limit
- PARA TI - Parametric Tolerance Interval
- NPARA TI - Non Parametric Tolerance Interval
- CI-Nrml - Confidence Interval around Normal Mean
- CI-Log - Confidence Interval around Log Normal Mean
- CI-NPARA - Non Parametric Confidence Interval around Median
- CB-LinReg - Confidence Band around Linear Regression
- CB-TheilSen - Confidence Band around Theil-Sen line

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 1

Location ID: MW-AP-01	Parameter Code: 01097
Confidence Level: 0.99	Parameter: Antimony, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 2

Location ID: MW-AP-01	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.873
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 3

Location ID: MW-AP-01	Parameter Code: 01007
Confidence Level: 0.99	Parameter: Barium, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.037	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.021	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.077	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.856
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 4

Location ID: MW-AP-01	Parameter Code: 01012
Confidence Level: 0.99	Parameter: Beryllium, total
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 5

Location ID: MW-AP-01	Parameter Code: 01027
Confidence Level: 0.99	Parameter: Cadmium, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 6

Location ID: MW-AP-01	Parameter Code: 01034
Confidence Level: 0.99	Parameter: Chromium, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.873
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 7

Location ID: MW-AP-01	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 8

Location ID: MW-AP-01	Parameter Code: 00951
Confidence Level: 0.99	Parameter: Fluoride, total
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.037	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.067	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.099	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.361
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 9

Location ID: MW-AP-01	Parameter Code: 01051
Confidence Level: 0.99	Parameter: Lead, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 10

Location ID: MW-AP-01	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.005	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.087
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 11

Location ID: MW-AP-01	Parameter Code: 71900
Confidence Level: 0.99	Parameter: Mercury, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.894
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 12

Location ID: MW-AP-01	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.005	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.002	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.496
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 13

Location ID: MW-AP-01	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 11/16/2016 to 09/10/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.069	pCi/L per year
Lower Confidence Limit of Slope, M1:	-1.509	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	2.597	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.124
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 14

Location ID: MW-AP-01	Parameter Code: 01147
Confidence Level: 0.99	Parameter: Selenium, tot
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 15

Location ID: MW-AP-01	Parameter Code: 01059
Confidence Level: 0.99	Parameter: Thallium, total
Date Range: 11/16/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 16

Location ID: MW-AP-02

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 17

Location ID: MW-AP-02	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.053	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.576	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.204	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.866
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 18

Location ID: MW-AP-02

Parameter Code: 01007

Confidence Level: 0.99

Parameter: Barium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.037	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.014	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.064	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	2.103
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 19

Location ID: MW-AP-02

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 20

Location ID: MW-AP-02

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 21

Location ID: MW-AP-02

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.873
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 22

Location ID: MW-AP-02	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 23

Location ID: MW-AP-02

Parameter Code: 00951

Confidence Level: 0.99

Parameter: Fluoride, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.050	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.507	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.149	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.619
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 24

Location ID: MW-AP-02

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 25

Location ID: MW-AP-02	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 15% to <= 50% Substitute PQL	Percent of ND: 25

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.003	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.043	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.026	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.249
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 26

Location ID: MW-AP-02

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.894
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 27

Location ID: MW-AP-02	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.015	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.081	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.019	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.113
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 28

Location ID: MW-AP-02	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 11/15/2016 to 09/10/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.063	pCi/L per year
Lower Confidence Limit of Slope, M1:	-2.573	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	1.428	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 29

Location ID: MW-AP-02

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 30

Location ID: MW-AP-02

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 31

Location ID: MW-AP-03

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 32

Location ID: MW-AP-03

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 01002
Parameter: Arsenic, tot
Units: mg/L
Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.119	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.721	mg/L per year
Upper Confidence Limit of Slope, M2+1:	1.588	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.619
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 33

Location ID: MW-AP-03

Parameter Code: 01007

Confidence Level: 0.99

Parameter: Barium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.005	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.058	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.086	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.249
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 34

Location ID: MW-AP-03

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 35

Location ID: MW-AP-03

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 36

Location ID: MW-AP-03

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 37

Location ID: MW-AP-03	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 38

Location ID: MW-AP-03

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 00951

Parameter: Fluoride, total

Units: mg/L

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.118	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.440	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.169	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.619
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 39

Location ID: MW-AP-03

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 40

Location ID: MW-AP-03

Parameter Code: 01132

Confidence Level: 0.99

Parameter: Lithium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.006	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.058	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.052	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.124
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 41

Location ID: MW-AP-03

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.894
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 42

Location ID: MW-AP-03

Parameter Code: 01062

Confidence Level: 0.99

Parameter: Molybdenum, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.015	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.017	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.619
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 43

Location ID: MW-AP-03	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 11/15/2016 to 09/10/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.142	pCi/L per year
Lower Confidence Limit of Slope, M1:	-2.082	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	1.813	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-0.619
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 44

Location ID: MW-AP-03

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 45

Location ID: MW-AP-03

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 46

Location ID: MW-AP-04

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 47

Location ID: MW-AP-04

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 01002
Parameter: Arsenic, tot
Units: mg/L
Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.020	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.043	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.125	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.371
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 48

Location ID: MW-AP-04

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 01007

Parameter: Barium, tot

Units: mg/L

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.005	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.028	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.095	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.249
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 49

Location ID: MW-AP-04

Parameter Code: 01012

Confidence Level: 0.99

Parameter: Beryllium, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 50

Location ID: MW-AP-04

Parameter Code: 01027

Confidence Level: 0.99

Parameter: Cadmium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 51

Location ID: MW-AP-04

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 52

Location ID: MW-AP-04	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 53

Location ID: MW-AP-04

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 00951

Parameter: Fluoride, total

Units: mg/L

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.012	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.447	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.540	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic: 0.000

Z test: 2.326

At the 1.0 % Confidence Level (One-Sided Test): None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 54

Location ID: MW-AP-04

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 55

Location ID: MW-AP-04

Parameter Code: 01132

Confidence Level: 0.99

Parameter: Lithium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.005	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.087
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 56

Location ID: MW-AP-04

Parameter Code: 71900

Confidence Level: 0.99

Parameter: Mercury, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.894
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 57

Location ID: MW-AP-04	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 58

Location ID: MW-AP-04	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 11/15/2016 to 09/10/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.682	pCi/L per year
Lower Confidence Limit of Slope, M1:	-1.754	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	0.602	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.361
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 59

Location ID: MW-AP-04	Parameter Code: 01147
Confidence Level: 0.99	Parameter: Selenium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 60

Location ID: MW-AP-04	Parameter Code: 01059
Confidence Level: 0.99	Parameter: Thallium, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 61

Location ID: MW-AP-05

Parameter Code: 01097

Confidence Level: 0.99

Parameter: Antimony, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 62

Location ID: MW-AP-05	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 15% to <= 50% Substitute PQL	Percent of ND: 25

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.002	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.634
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 63

Location ID: MW-AP-05	Parameter Code: 01007
Confidence Level: 0.99	Parameter: Barium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.006	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.025	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.024	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.361
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 64

Location ID: MW-AP-05	Parameter Code: 01012
Confidence Level: 0.99	Parameter: Beryllium, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 65

Location ID: MW-AP-05	Parameter Code: 01027
Confidence Level: 0.99	Parameter: Cadmium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 66

Location ID: MW-AP-05	Parameter Code: 01034
Confidence Level: 0.99	Parameter: Chromium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 15% to <= 50% Substitute PQL	Percent of ND: 50

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 67

Location ID: MW-AP-05	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 88

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.309
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 68

Location ID: MW-AP-05

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: > 50% to <= 100 % Substitute PQL

Parameter Code: 00951

Parameter: Fluoride, total

Units: mg/L

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.058	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.088	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	2.087
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 69

Location ID: MW-AP-05

Parameter Code: 01051

Confidence Level: 0.99

Parameter: Lead, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 70

Location ID: MW-AP-05	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.005	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.087
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 71

Location ID: MW-AP-05	Parameter Code: 71900
Confidence Level: 0.99	Parameter: Mercury, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.894
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 72

Location ID: MW-AP-05	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 73

Location ID: MW-AP-05	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 11/15/2016 to 09/10/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.126	pCi/L per year
Lower Confidence Limit of Slope, M1:	-2.314	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	1.551	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.124
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 74

Location ID: MW-AP-05

Parameter Code: 01147

Confidence Level: 0.99

Parameter: Selenium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 75

Location ID: MW-AP-05	Parameter Code: 01059
Confidence Level: 0.99	Parameter: Thallium, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 76

Location ID: MW-AP-08	Parameter Code: 01097
Confidence Level: 0.99	Parameter: Antimony, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 77

Location ID: MW-AP-08	Parameter Code: 01002
Confidence Level: 0.99	Parameter: Arsenic, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.004	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.007	mg/L per year
Upper Confidence Limit of Slope, M2+1:	-0.001	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.992
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	Downward

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 78

Location ID: MW-AP-08

Parameter Code: 01007

Confidence Level: 0.99

Parameter: Barium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: 0% to <= 15% Substitute PQL

Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.021	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.025	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.038	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	1.608
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 79

Location ID: MW-AP-08

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: > 15% to <= 50% Substitute PQL

Parameter Code: 01012

Parameter: Beryllium, total

Units: mg/L

Percent of ND: 38

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.001	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.002	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.292
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	Downward

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 80

Location ID: MW-AP-08

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: > 50% to <= 100 % Substitute PQL

Parameter Code: 01027

Parameter: Cadmium, tot

Units: mg/L

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 81

Location ID: MW-AP-08

Parameter Code: 01034

Confidence Level: 0.99

Parameter: Chromium, tot

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 63

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.001	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.003
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 82

Location ID: MW-AP-08	Parameter Code: 01037
Confidence Level: 0.99	Parameter: Co, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.010	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.022	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.004	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.856
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 83

Location ID: MW-AP-08

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 00951

Parameter: Fluoride, total

Units: mg/L

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.031	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.154	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.179	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic: -0.866

Z test: 2.326

At the 1.0 % Confidence Level (One-Sided Test): None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 84

Location ID: MW-AP-08	Parameter Code: 01051
Confidence Level: 0.99	Parameter: Lead, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 85

Location ID: MW-AP-08	Parameter Code: 01132
Confidence Level: 0.99	Parameter: Lithium, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.006	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.010	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-2.103
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 86

Location ID: MW-AP-08	Parameter Code: 71900
Confidence Level: 0.99	Parameter: Mercury, tot
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.894
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 87

Location ID: MW-AP-08	Parameter Code: 01062
Confidence Level: 0.99	Parameter: Molybdenum, total
Date Range: 11/15/2016 to 09/10/2018	Units: mg/L
Option for LT Points: > 50% to <= 100 % Substitute PQL	Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	0.000
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 88

Location ID: MW-AP-08	Parameter Code: 11503
Confidence Level: 0.99	Parameter: Radium 226 + radium 228,
Date Range: 11/15/2016 to 09/10/2018	Units: pCi/L
Option for LT Points: 0% to <= 15% Substitute PQL	Percent of ND: 0

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-1.321	pCi/L per year
Lower Confidence Limit of Slope, M1:	-8.532	pCi/L per year
Upper Confidence Limit of Slope, M2+1:	12.705	pCi/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.361
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 89

Location ID: MW-AP-08

Confidence Level: 0.99

Date Range: 11/15/2016 to 09/10/2018

Option for LT Points: 0% to <= 15% Substitute PQL

Parameter Code: 01147

Parameter: Selenium, tot

Units: mg/L

Percent of ND: 13

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	-0.009	mg/L per year
Lower Confidence Limit of Slope, M1:	-0.018	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.005	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.745
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Trend Analysis

Run Id: 90

Location ID: MW-AP-08

Parameter Code: 01059

Confidence Level: 0.99

Parameter: Thallium, total

Date Range: 11/15/2016 to 09/10/2018

Units: mg/L

Option for LT Points: > 50% to <= 100 % Substitute PQL

Percent of ND: 100

Theil-Sen Non-parametric estimate of the slope (One-Sided Test)

Median Slope:	0.000	mg/L per year
Lower Confidence Limit of Slope, M1:	0.000	mg/L per year
Upper Confidence Limit of Slope, M2+1:	0.000	mg/L per year

Non-parametric Mann-Kendall Test for Trend

S Statistic:	-1.833
Z test:	2.326
At the 1.0 % Confidence Level (One-Sided Test):	None

Wateree Station
Mann-Kendall Trend Analysis

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 13

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 28

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 43

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 58

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 73

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

Location Id: MW-AP-01A, MW-FGD-01

Run Id: 88

Parameter: Radium 226 + radium 228, pCi/L

Count	K Factor	Mean	Standard Deviation	Confidence	Coverage Fraction	Upper Tolerance Interval	Log Transform	Percent ND	ND Approach
16	2.52	2.959	1.008	0.95	0.95	5.502	n	0	0% to <= 15% Substitute ½ PQL

<u>Pool Id</u>	<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
MW-AP-01A	05/11/2016	3.110	3.110	0.000	0.000	0.000	N
MW-FGD-01	05/11/2016	4.310	4.310	0.000	0.000	0.000	N
MW-AP-01A	07/11/2016	3.355	3.355	0.000	0.000	0.000	N
MW-FGD-01	07/11/2016	2.750	2.750	0.000	0.000	0.000	N
MW-AP-01A	09/19/2016	0.688	0.688	0.000	0.000	0.000	N
MW-FGD-01	09/19/2016	3.040	3.040	0.000	0.000	0.000	N
MW-AP-01A	11/15/2016	4.175	4.175	0.000	0.000	0.000	N
MW-FGD-01	11/15/2016	4.240	4.240	0.000	0.000	0.000	N
MW-AP-01A	01/17/2017	3.369	3.369	0.000	0.000	0.000	N
MW-FGD-01	01/17/2017	3.450	3.450	0.000	0.000	0.000	N
MW-AP-01A	03/20/2017	1.643	1.643	0.000	0.000	0.000	N
MW-FGD-01	03/20/2017	2.740	2.740	0.000	0.000	0.000	N
MW-AP-01A	05/22/2017	1.854	1.854	0.000	0.000	0.000	N
MW-FGD-01	05/22/2017	1.892	1.892	0.000	0.000	0.000	N
MW-AP-01A	07/10/2017	3.480	3.480	0.000	0.000	0.000	N
MW-FGD-01	07/24/2017	3.240	3.240	0.000	0.000	0.000	N

Parametric Tolerance on Background

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-01		Parameter: Arsenic, tot mg/L		Run Id: 2							
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.001	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Lmit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>					
11/16/2016	0.001	0.001	0.000	0.001	0.000	Y					
01/18/2017	0.001	0.001	0.000	0.001	0.000	N					
03/21/2017	0.001	0.000	0.000	0.001	0.000	Y					
05/23/2017	0.001	0.000	0.000	0.001	0.000	Y					
07/10/2017	0.001	0.001	0.000	0.001	0.000	Y					
03/05/2018	0.001	0.000	0.000	0.001	0.000	Y					
06/05/2018	0.001	0.000	0.000	0.001	0.000	Y					
09/10/2018	0.001	0.001	0.000	0.001	0.000	Y					

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-01		Parameter: Chromium, tot mg/L						Run Id: 6			
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.003	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.100

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
11/16/2016	0.001	0.000	0.000	0.001	0.000	Y
01/18/2017	0.003	0.003	0.000	0.001	0.000	N
03/21/2017	0.001	0.001	0.000	0.001	0.000	Y
05/23/2017	0.001	0.001	0.000	0.001	0.000	Y
07/10/2017	0.001	0.001	0.000	0.001	0.000	Y
03/05/2018	0.001	0.000	0.000	0.001	0.000	Y
06/05/2018	0.001	0.000	0.000	0.001	0.000	Y
09/10/2018	0.001	0.001	0.000	0.001	0.000	Y

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-02		Parameter: Chromium, tot mg/L						Run Id: 21			
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.001	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.100

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
11/15/2016	0.001	0.000	0.000	0.001	0.000	Y
01/18/2017	0.001	0.001	0.000	0.001	0.000	N
03/21/2017	0.001	0.001	0.000	0.001	0.000	Y
05/23/2017	0.001	0.001	0.000	0.001	0.000	Y
07/10/2017	0.001	0.001	0.000	0.001	0.000	Y
03/05/2018	0.001	0.000	0.000	0.001	0.000	Y
06/05/2018	0.001	0.001	0.000	0.001	0.000	Y
09/10/2018	0.001	0.001	0.000	0.001	0.000	Y

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-04

Parameter: Fluoride, total mg/L

Run Id: 53

Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.187	0.990	0.0	0% to <= 15% Substitute PQL	GWPS	4.000

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
11/15/2016	0.357	0.357	0.033	0.100	0.000	N
01/18/2017	0.259	0.259	0.033	0.100	0.000	N
03/21/2017	0.187	0.187	0.033	0.100	0.000	N
05/23/2017	0.195	0.195	0.033	0.100	0.000	N
07/10/2017	0.188	0.188	0.033	0.100	0.000	N
03/06/2018	0.990	0.990	0.025	0.200	0.000	N
06/05/2018	0.220	0.220	0.025	0.200	0.000	N
09/10/2018	0.220	0.220	0.025	0.200	0.000	N

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-05		Parameter: Chromium, tot mg/L								Run Id: 66	
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.001	50.0	> 15% to <= 50% Substitute PQL	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>					
11/15/2016	0.001	0.001	0.000	0.001	0.000	Y					
01/18/2017	0.001	0.001	0.000	0.001	0.000	Y					
03/21/2017	0.001	0.001	0.000	0.001	0.000	N					
05/22/2017	0.001	0.001	0.000	0.001	0.000	N					
07/06/2017	0.001	0.001	0.000	0.001	0.000	N					
03/06/2018	0.001	0.001	0.000	0.001	0.000	Y					
06/04/2018	0.001	0.001	0.000	0.001	0.000	N					
09/10/2018	0.001	0.001	0.000	0.001	0.000	Y					

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

Location Id: MW-AP-05		Parameter: Co, tot mg/L										Run Id: 67
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS	
8	1	0.99	1.00	1	1	0.001	0.001	88.0	> 50% to <= 100 % Substitute PQL	GWPS	0.006	

<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>
11/15/2016	0.001	0.001	0.000	0.001	0.000	N
01/18/2017	0.001	0.001	0.000	0.001	0.000	Y
03/21/2017	0.001	0.001	0.000	0.001	0.000	Y
05/22/2017	0.001	0.001	0.000	0.001	0.000	Y
07/06/2017	0.001	0.001	0.000	0.001	0.000	Y
03/06/2018	0.001	0.001	0.000	0.001	0.000	Y
06/04/2018	0.001	0.001	0.000	0.001	0.000	Y
09/10/2018	0.001	0.001	0.000	0.001	0.000	Y

* The specified confidence level was not achieved due to a low number of compliance samples.

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Nonparametric Confidence Interval Around Median

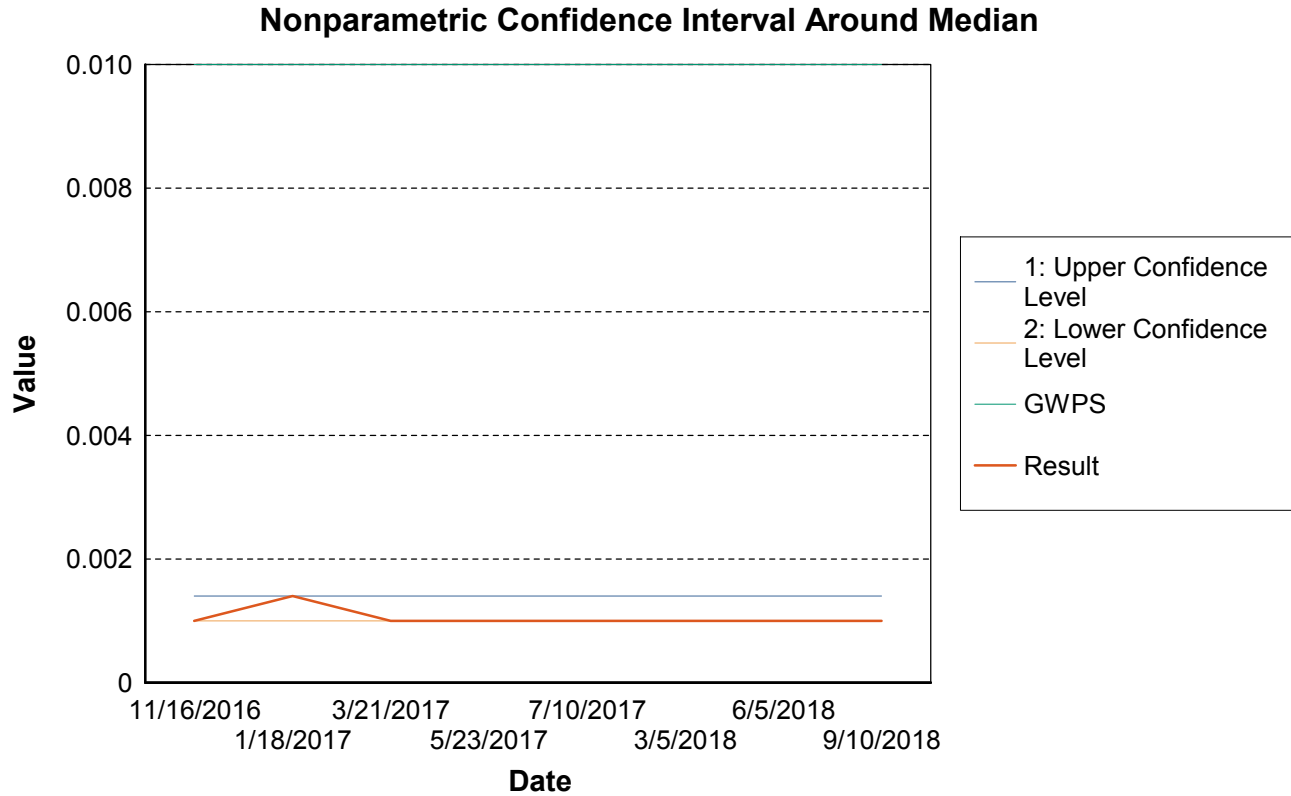
Location Id: MW-AP-08		Parameter: Chromium, tot mg/L		Run Id: 81							
Count	Sided	Confidence Specified	Confidence Actual	Lower Rank	Upper Rank	Lower Confidence Level	Upper Confidence Level	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.99	1.00	1	1	0.001	0.002	63.0	> 50% to <= 100 % Substitute PQL	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>					
11/15/2016	0.001	0.001	0.000	0.001	0.000	Y					
01/18/2017	0.002	0.002	0.000	0.002	0.000	Y					
03/21/2017	0.001	0.001	0.000	0.001	0.000	N					
05/22/2017	0.001	0.001	0.000	0.001	0.000	N					
07/06/2017	0.002	0.002	0.000	0.001	0.000	N					
03/06/2018	0.001	0.001	0.000	0.001	0.000	Y					
06/04/2018	0.001	0.001	0.000	0.001	0.000	Y					
09/10/2018	0.001	0.001	0.000	0.001	0.000	Y					

* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 2

Location MW-AP-01 Parameter Arsenic, tot mg/L

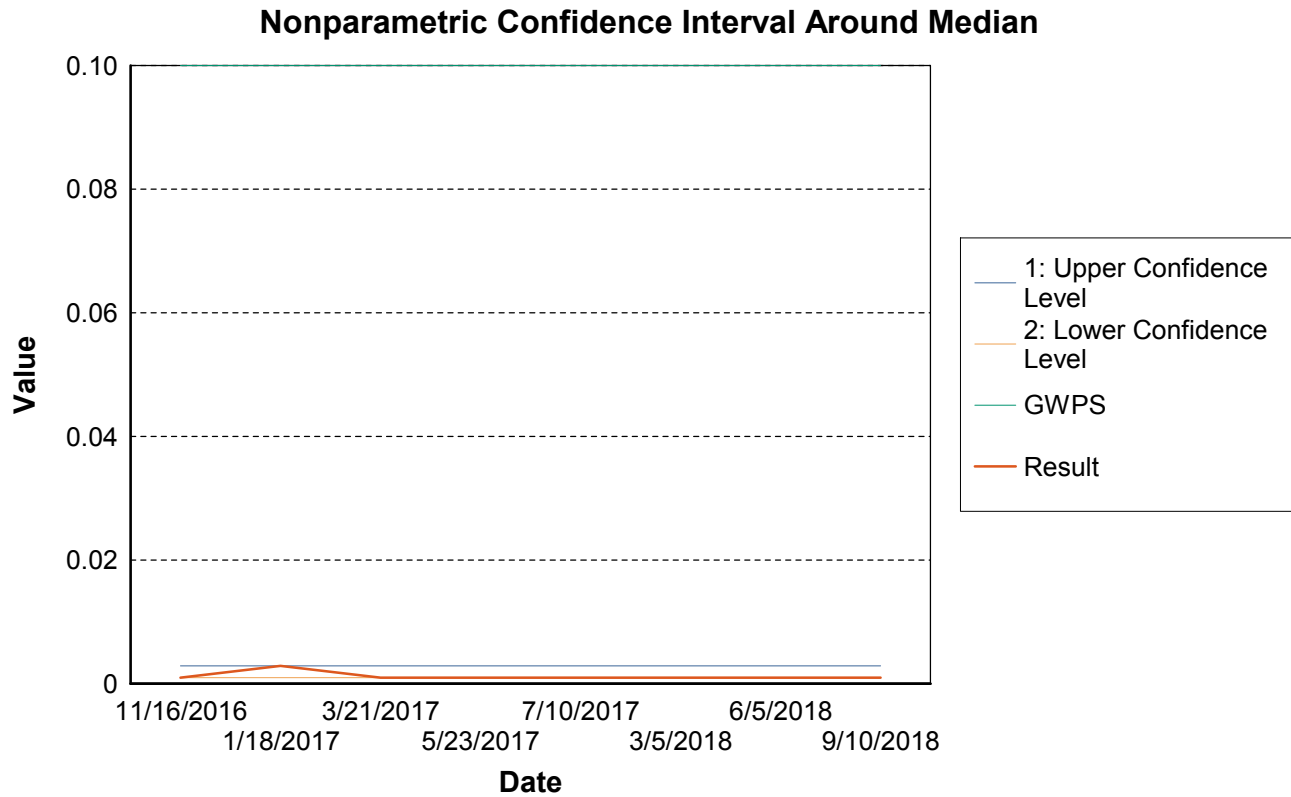


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 6

Location MW-AP-01 Parameter Chromium, tot mg/L

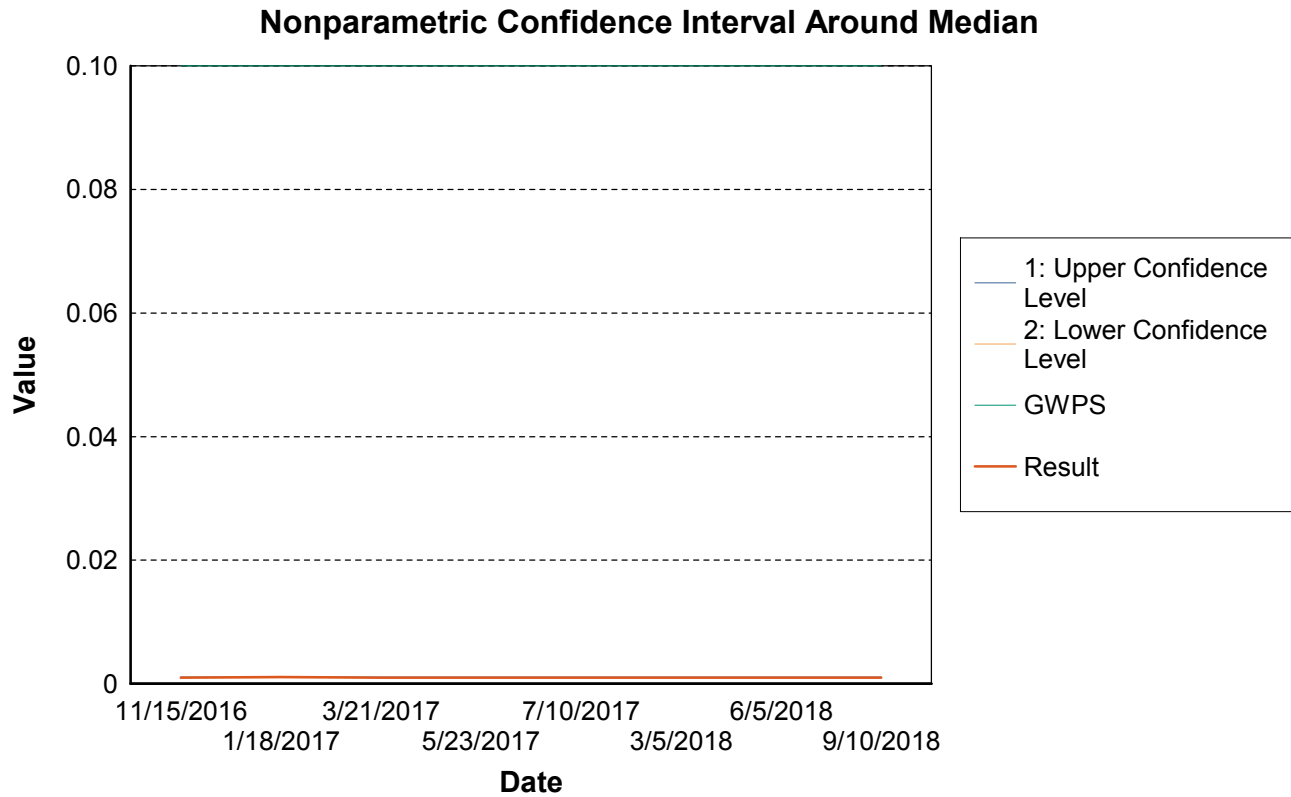


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 21

Location MW-AP-02 Parameter Chromium, tot mg/L

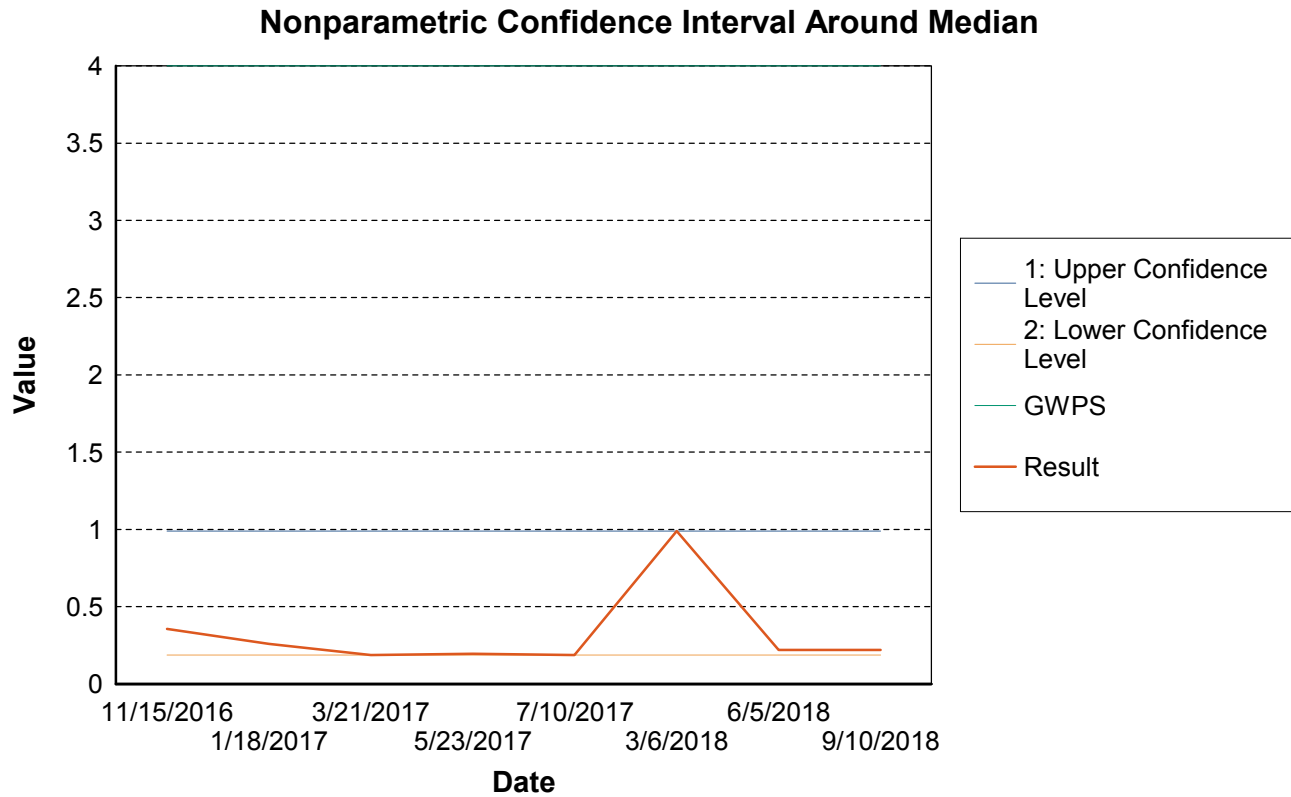


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 53

Location MW-AP-04 Parameter Fluoride, total mg/L

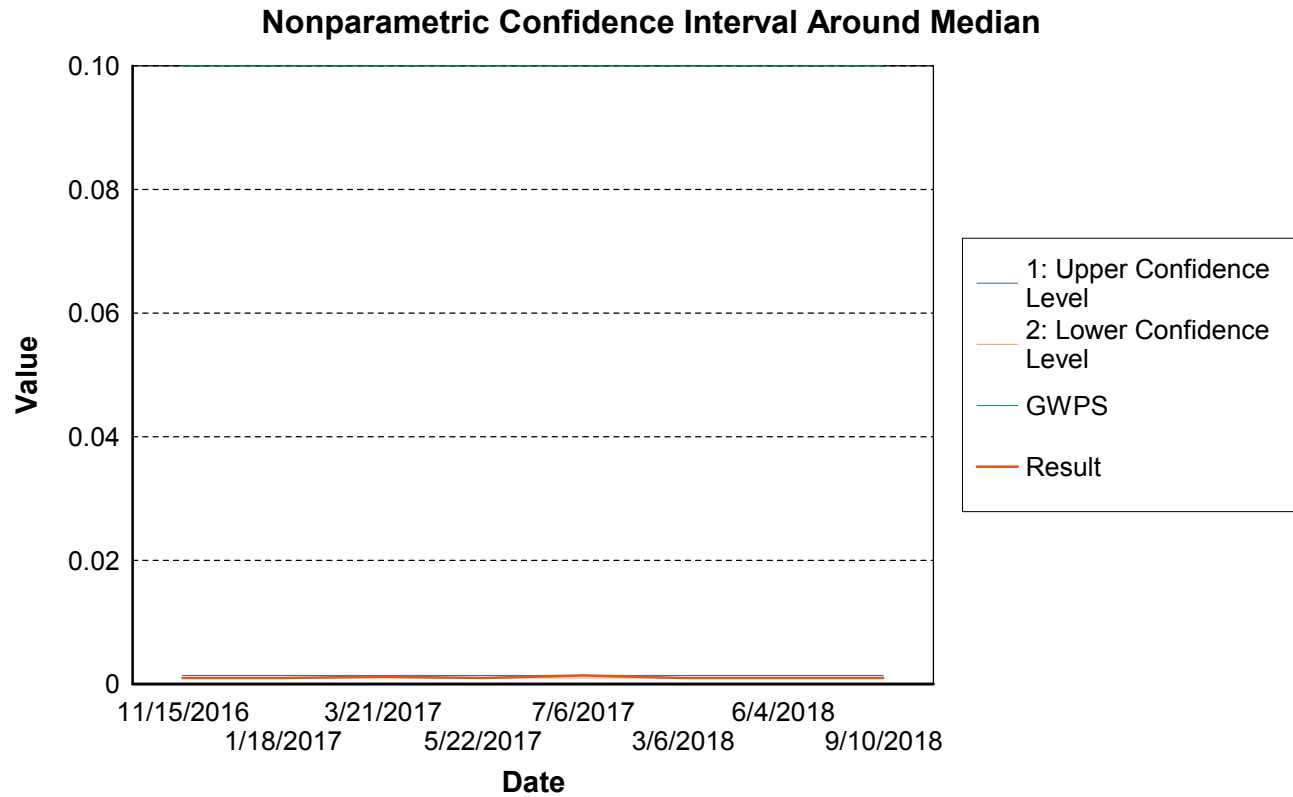


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 66

Location MW-AP-05 Parameter Chromium, tot mg/L

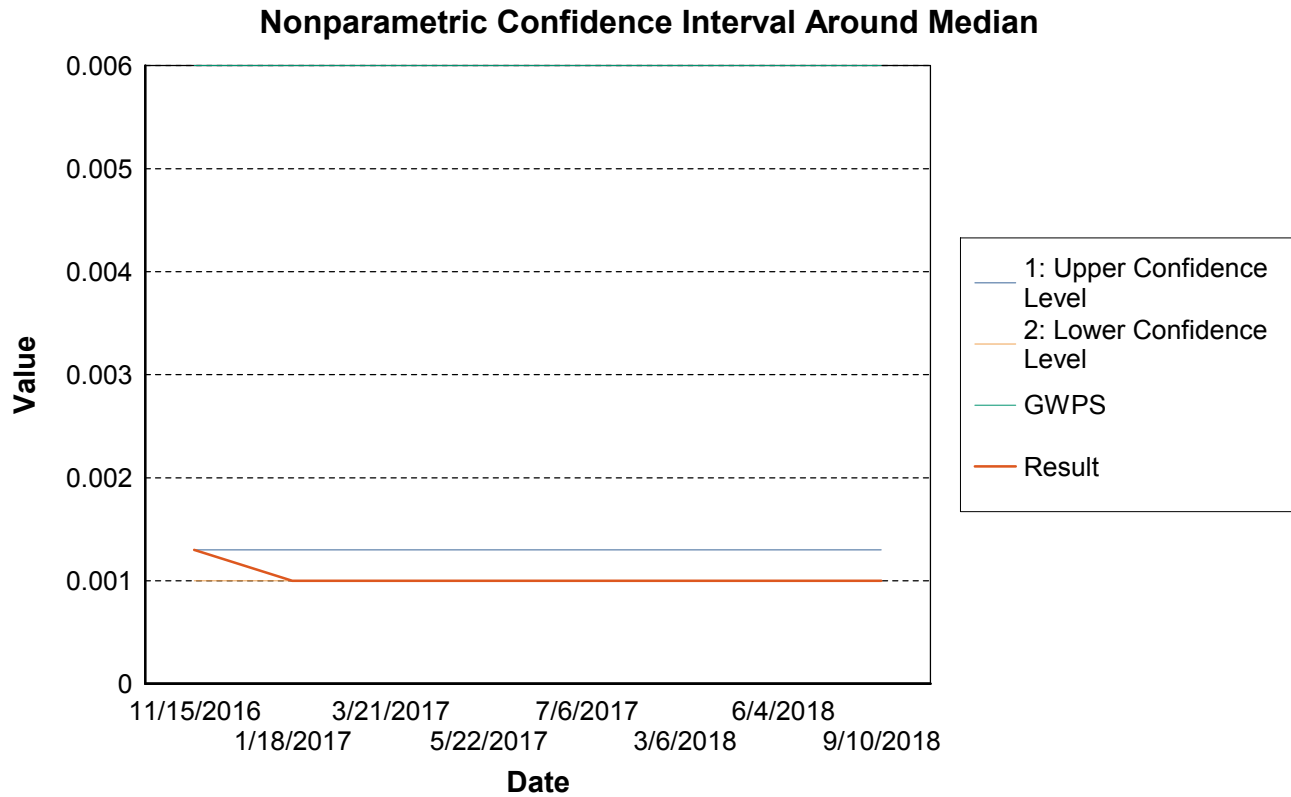


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 67

Location MW-AP-05 Parameter Co, tot mg/L

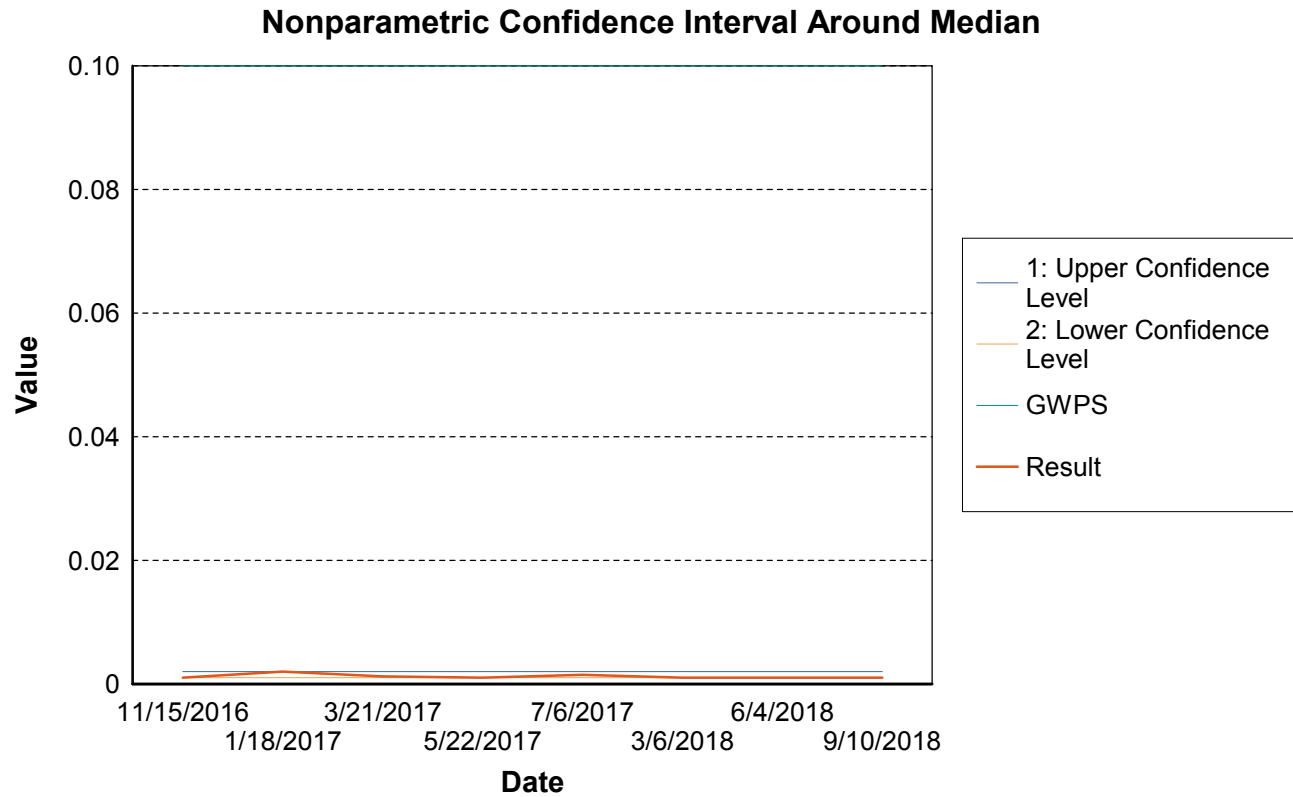


* The specified confidence level was not achieved due to a low number of compliance samples.

Nonparametric Confidence Interval Around Median

Run Id: 81

Location MW-AP-08 Parameter Chromium, tot mg/L



* The specified confidence level was not achieved due to a low number of compliance samples.

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01		Parameter: Barium, tot mg/L		Run Id: 3									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.243	0.031	2.998	0.211	0.276	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/16/2016	0.215	0.215	0.001	0.010	0.000	N							
01/18/2017	0.229	0.229	0.002	0.010	0.000	N							
03/21/2017	0.218	0.218	0.002	0.010	0.000	N							
05/23/2017	0.236	0.236	0.002	0.010	0.000	N							
07/10/2017	0.214	0.214	0.002	0.010	0.000	N							
03/05/2018	0.263	0.263	0.002	0.010	0.000	N							
06/05/2018	0.291	0.291	0.002	0.010	0.000	N							
09/10/2018	0.281	0.281	0.002	0.010	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01		Parameter: Fluoride, total mg/L		Run Id: 8									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.339	0.066	2.998	0.268	0.409	n	13	0% to <= 15% Substitute ½ PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/16/2016	0.334	0.334	0.033	0.100	0.000	N							
01/18/2017	0.372	0.372	0.033	0.100	0.000	N							
03/21/2017	0.311	0.311	0.033	0.100	0.000	N							
05/23/2017	0.351	0.351	0.033	0.100	0.000	N							
07/10/2017	0.340	0.340	0.033	0.100	0.000	N							
03/05/2018	0.200	0.050	0.050	0.400	0.000	Y							
06/05/2018	0.430	0.430	0.025	0.200	0.000	N							
09/10/2018	0.370	0.370	0.025	0.200	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01		Parameter: Molybdenum, total mg/L		Run Id: 12									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	0.004	0.002	2.998	0.003	0.006	n	13	0% to <= 15% Substitute ½ PQL	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/16/2016		0.006	0.006	0.000	0.001	0.000	N						
01/18/2017		0.006	0.006	0.000	0.001	0.000	N						
03/21/2017		0.005	0.005	0.000	0.001	0.000	N						
05/23/2017		0.004	0.004	0.000	0.001	0.000	N						
07/10/2017		0.001	0.006	0.000	0.001	0.000	Y						
03/05/2018		0.004	0.004	0.000	0.001	0.000	N						
06/05/2018		0.004	0.004	0.000	0.001	0.000	N						
09/10/2018		0.005	0.005	0.000	0.001	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-01			Parameter: Radium 226 + radium 228, pCi/L				Run Id: 13						
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.207	0.701	2.998	1.464	2.949	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>		<u>Modified Result</u>		<u>Analysis Result</u>		<u>Detection Limit</u>	<u>PQL</u>		<u>RL</u>		<u>Non Detect</u>		
11/16/2016		2.114		2.114		0.000	0.000		0.000		N		
01/18/2017		1.946		1.946		0.000	0.000		0.000		N		
03/21/2017		1.075		1.075		0.000	0.000		0.000		N		
05/23/2017		2.701		2.701		0.000	0.000		0.000		N		
07/10/2017		3.430		3.430		0.000	0.000		0.000		N		
03/05/2018		2.552		2.552		1.883	0.000		0.000		N		
06/06/2018		2.080		2.080		2.008	0.000		0.000		N		
09/10/2018		1.756		1.756		1.876	0.000		0.000		N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Arsenic, tot mg/L		Run Id: 17									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.186	0.117	2.998	0.062	0.310	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.330	0.330	0.000	0.001	0.000					N		
01/18/2017		0.166	0.166	0.000	0.001	0.000					N		
03/21/2017		0.298	0.298	0.000	0.001	0.000					N		
05/23/2017		0.039	0.039	0.000	0.001	0.000					N		
07/10/2017		0.049	0.049	0.000	0.001	0.000					N		
03/05/2018		0.278	0.278	0.004	0.010	0.000					N		
06/05/2018		0.243	0.243	0.003	0.010	0.000					N		
09/10/2018		0.085	0.085	0.000	0.001	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Barium, tot mg/L		Run Id: 18									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.196	0.028	2.998	0.166	0.226	n	0	0% to <= 15% Substitute 1/2 PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.166	0.166	0.001	0.010	0.000	N						
01/18/2017		0.170	0.170	0.002	0.010	0.000	N						
03/21/2017		0.194	0.194	0.002	0.010	0.000	N						
05/23/2017		0.184	0.184	0.002	0.010	0.000	N						
07/10/2017		0.185	0.185	0.002	0.010	0.000	N						
03/05/2018		0.234	0.234	0.002	0.010	0.000	N						
06/05/2018		0.244	0.244	0.002	0.010	0.000	N						
09/10/2018		0.189	0.189	0.002	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Fluoride, total mg/L		Run Id: 23									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.310	0.101	2.998	0.203	0.417	n	13	0% to <= 15% Substitute 1/2 PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.391	0.391	0.033	0.100	0.000	N						
01/18/2017		0.430	0.430	0.033	0.100	0.000	N						
03/21/2017		0.372	0.372	0.033	0.100	0.000	N						
05/23/2017		0.269	0.269	0.033	0.100	0.000	N						
07/10/2017		0.199	0.199	0.033	0.100	0.000	N						
03/05/2018		0.200	0.050	0.050	0.400	0.000	Y						
06/05/2018		0.410	0.410	0.025	0.200	0.000	N						
09/10/2018		0.210	0.210	0.025	0.200	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Lithium, tot mg/L		Run Id: 25									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.020	0.013	2.998	0.006	0.034	n	25	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.040
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.021	0.021	0.002	0.010	0.000	N						
01/18/2017		0.024	0.024	0.002	0.010	0.000	N						
03/21/2017		0.038	0.038	0.002	0.010	0.000	N						
05/23/2017		0.010	0.010	0.002	0.010	0.000	Y						
07/10/2017		0.010	0.006	0.002	0.010	0.000	Y						
03/05/2018		0.029	0.029	0.000	0.002	0.000	N						
06/05/2018		0.035	0.035	0.001	0.002	0.000	N						
09/10/2018		0.005	0.005	0.001	0.002	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Molybdenum, total mg/L		Run Id: 27									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.023	0.016	2.998	0.006	0.040	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.051	0.051	0.000	0.001	0.000	N						
01/18/2017		0.030	0.030	0.000	0.001	0.000	N						
03/21/2017		0.025	0.025	0.000	0.001	0.000	N						
05/23/2017		0.005	0.005	0.000	0.001	0.000	N						
07/10/2017		0.007	0.007	0.000	0.001	0.000	N						
03/05/2018		0.029	0.029	0.000	0.001	0.000	N						
06/05/2018		0.031	0.031	0.000	0.001	0.000	N						
09/10/2018		0.005	0.005	0.000	0.001	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-02		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 28									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.039	0.639	2.998	1.362	2.717	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		2.308	2.308	0.000	0.000	0.000					N		
01/18/2017		2.650	2.650	0.000	0.000	0.000					N		
03/21/2017		1.374	1.374	0.000	0.000	0.000					N		
05/23/2017		1.807	1.807	0.000	0.000	0.000					N		
07/10/2017		1.911	1.911	0.000	0.000	0.000					N		
03/05/2018		2.415	2.415	1.938	0.000	0.000					N		
06/06/2018		2.855	2.855	1.640	0.000	0.000					N		
09/10/2018		0.993	0.993	1.687	0.000	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Arsenic, tot mg/L		Run Id: 32									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	1.157	0.505	2.998	0.622	1.693	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		1.340	1.340	0.000	0.001	0.000	N						
01/18/2017		0.064	0.064	0.000	0.001	0.000	N						
03/21/2017		1.400	1.400	0.000	0.001	0.000	N						
05/23/2017		1.810	1.810	0.000	0.025	0.000	N						
07/10/2017		1.160	1.160	0.000	0.001	0.000	N						
03/05/2018		1.290	1.290	0.004	0.010	0.000	N						
06/05/2018		1.252	1.252	0.006	0.020	0.000	N						
09/10/2018		0.943	0.943	0.003	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Barium, tot mg/L		Run Id: 33									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.171	0.030	2.998	0.138	0.203	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016	0.120	0.120	0.001	0.010	0.000	N							
01/18/2017	0.226	0.226	0.002	0.010	0.000	N							
03/21/2017	0.150	0.150	0.002	0.010	0.000	N							
05/23/2017	0.182	0.182	0.002	0.010	0.000	N							
07/10/2017	0.175	0.175	0.002	0.010	0.000	N							
03/05/2018	0.164	0.164	0.002	0.010	0.000	N							
06/05/2018	0.182	0.182	0.002	0.010	0.000	N							
09/10/2018	0.165	0.165	0.002	0.010	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Fluoride, total mg/L		Run Id: 38									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	0.605	0.191	2.998	0.403	0.807	n	13	0% to <= 15% Substitute ½ PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.759	0.759	0.033	0.100	0.000					N		
01/18/2017		0.672	0.672	0.033	0.100	0.000					N		
03/21/2017		0.673	0.673	0.033	0.100	0.000					N		
05/23/2017		0.715	0.715	0.033	0.100	0.000					N		
07/10/2017		0.518	0.518	0.033	0.100	0.000					N		
03/05/2018		0.200	0.050	0.050	0.400	0.000					Y		
06/05/2018		0.780	0.780	0.025	0.200	0.000					N		
09/10/2018		0.520	0.520	0.025	0.200	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Lithium, tot mg/L		Run Id: 40									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.085	0.020	2.998	0.064	0.106	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.040
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016	0.080	0.080	0.002	0.010	0.000	N							
01/18/2017	0.081	0.081	0.002	0.010	0.000	N							
03/21/2017	0.098	0.098	0.002	0.010	0.000	N							
05/23/2017	0.101	0.101	0.002	0.010	0.000	N							
07/10/2017	0.062	0.062	0.002	0.010	0.000	N							
03/05/2018	0.096	0.096	0.000	0.002	0.000	N							
06/05/2018	0.109	0.109	0.001	0.002	0.000	N							
09/10/2018	0.053	0.053	0.001	0.002	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Molybdenum, total mg/L		Run Id: 42									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	0.015	0.007	2.998	0.008	0.022	n	13	0% to <= 15% Substitute ½ PQL	GWPS	0.100
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.020	0.020	0.000	0.001	0.000	N						
01/18/2017		0.001	0.001	0.000	0.001	0.000	Y						
03/21/2017		0.016	0.016	0.000	0.001	0.000	N						
05/23/2017		0.020	0.020	0.000	0.001	0.000	N						
07/10/2017		0.012	0.012	0.000	0.001	0.000	N						
03/05/2018		0.019	0.019	0.000	0.001	0.000	N						
06/05/2018		0.019	0.019	0.000	0.001	0.000	N						
09/10/2018		0.011	0.011	0.000	0.001	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-03		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 43									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.658	0.683	2.998	1.934	3.381	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		2.830	2.830	0.000	0.000	0.000					N		
01/18/2017		3.210	3.210	0.000	0.000	0.000					N		
03/21/2017		1.611	1.611	0.000	0.000	0.000					N		
05/23/2017		2.730	2.730	0.000	0.000	0.000					N		
07/10/2017		3.420	3.420	0.000	0.000	0.000					N		
03/05/2018		3.110	3.110	2.283	0.000	0.000					N		
06/06/2018		2.710	2.710	1.558	0.000	0.000					N		
09/10/2018		1.639	1.639	1.365	0.000	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-04		Parameter: Arsenic, tot mg/L		Run Id: 47									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.044	0.029	2.998	0.013	0.074	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.008	0.008	0.000	0.001	0.000					N		
01/18/2017		0.002	0.002	0.000	0.001	0.000					N		
03/21/2017		0.081	0.081	0.000	0.001	0.000					N		
05/23/2017		0.067	0.067	0.000	0.001	0.000					N		
07/10/2017		0.069	0.069	0.000	0.001	0.000					N		
03/06/2018		0.030	0.030	0.000	0.001	0.000					N		
06/05/2018		0.043	0.043	0.000	0.001	0.000					N		
09/10/2018		0.049	0.049	0.003	0.010	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-04		Parameter: Barium, tot mg/L		Run Id: 48									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.204	0.022	2.998	0.180	0.227	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.159	0.159	0.001	0.010	0.000					N		
01/18/2017		0.218	0.218	0.002	0.010	0.000					N		
03/21/2017		0.194	0.194	0.002	0.010	0.000					N		
05/23/2017		0.234	0.234	0.002	0.010	0.000					N		
07/10/2017		0.218	0.218	0.002	0.010	0.000					N		
03/06/2018		0.198	0.198	0.002	0.010	0.000					N		
06/05/2018		0.206	0.206	0.002	0.010	0.000					N		
09/10/2018		0.204	0.204	0.002	0.010	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-04			Parameter: Radium 226 + radium 228, pCi/L							Run Id: 58			
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	2.727	0.637	2.998	2.052	3.402	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>		<u>Modified Result</u>		<u>Analysis Result</u>		<u>Detection Limit</u>	<u>PQL</u>		<u>RL</u>		<u>Non Detect</u>		
11/15/2016		3.110		3.110		0.000	0.000		0.000		N		
01/18/2017		3.640		3.640		0.000	0.000		0.000		N		
03/21/2017		2.480		2.480		0.000	0.000		0.000		N		
05/23/2017		2.620		2.620		0.000	0.000		0.000		N		
07/10/2017		3.400		3.400		0.000	0.000		0.000		N		
03/06/2018		2.740		2.740		2.028	0.000		0.000		N		
06/06/2018		1.854		1.854		1.435	0.000		0.000		N		
09/10/2018		1.973		1.973		1.809	0.000		0.000		N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-05		Parameter: Arsenic, tot mg/L		Run Id: 62									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.001	0.001	2.998	0.001	0.002	n	25	> 15% to <= 50% Substitute Kaplan-Meier	GWPS	0.010
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.002	0.002	0.000	0.001	0.000	N						
01/18/2017		0.002	0.002	0.000	0.001	0.000	N						
03/21/2017		0.001	0.001	0.000	0.001	0.000	N						
05/22/2017		0.001	0.001	0.000	0.001	0.000	N						
07/06/2017		0.001	0.001	0.000	0.001	0.000	Y						
03/06/2018		0.001	0.001	0.000	0.001	0.000	N						
06/04/2018		0.001	0.001	0.000	0.001	0.000	Y						
09/10/2018		0.001	0.001	0.000	0.001	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-05		Parameter: Barium, tot mg/L		Run Id: 63									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.196	0.011	2.998	0.184	0.208	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.184	0.184	0.001	0.010	0.000	N						
01/18/2017		0.218	0.218	0.002	0.010	0.000	N						
03/21/2017		0.201	0.201	0.002	0.010	0.000	N						
05/22/2017		0.199	0.199	0.002	0.010	0.000	N						
07/06/2017		0.197	0.197	0.002	0.010	0.000	N						
03/06/2018		0.183	0.183	0.002	0.010	0.000	N						
06/04/2018		0.195	0.195	0.002	0.010	0.000	N						
09/10/2018		0.192	0.192	0.002	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-05		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 73									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	1.845	0.544	2.998	1.268	2.421	n	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		1.956	1.956	0.000	0.000	0.000					N		
01/18/2017		2.330	2.330	0.000	0.000	0.000					N		
03/21/2017		1.118	1.118	0.000	0.000	0.000					N		
05/22/2017		1.525	1.525	0.000	0.000	0.000					N		
07/06/2017		2.110	2.110	0.000	0.000	0.000					N		
03/06/2018		2.225	2.225	1.964	0.000	0.000					N		
06/06/2018		2.438	2.438	2.153	0.000	0.000					N		
09/10/2018		1.054	1.054	1.801	0.000	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Barium, tot mg/L		Run Id: 78									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.155	0.016	2.998	0.138	0.172	n	0	0% to <= 15% Substitute ½ PQL	GWPS	2.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.137	0.137	0.001	0.010	0.000	N						
01/18/2017		0.167	0.167	0.002	0.010	0.000	N						
03/21/2017		0.147	0.147	0.002	0.010	0.000	N						
05/22/2017		0.136	0.136	0.002	0.010	0.000	N						
07/06/2017		0.145	0.145	0.002	0.010	0.000	N						
03/06/2018		0.156	0.156	0.002	0.010	0.000	N						
06/04/2018		0.171	0.171	0.002	0.010	0.000	N						
09/10/2018		0.179	0.179	0.002	0.010	0.000	N						

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Co, tot mg/L		Run Id: 82									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.012	0.008	2.998	0.004	0.021	n	0	0% to <= 15% Substitute ½ PQL	GWPS	0.006
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016	0.024	0.024	0.000	0.001	0.000	N							
01/18/2017	0.013	0.013	0.000	0.001	0.000	N							
03/21/2017	0.014	0.014	0.000	0.001	0.000	N							
05/22/2017	0.020	0.020	0.000	0.001	0.000	N							
07/06/2017	0.015	0.015	0.000	0.001	0.000	N							
03/06/2018	0.009	0.009	0.000	0.001	0.000	N							
06/04/2018	0.002	0.002	0.000	0.001	0.000	N							
09/10/2018	0.003	0.003	0.000	0.001	0.000	N							

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Fluoride, total mg/L		Run Id: 83									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/n	0.311	0.093	2.998	0.213	0.410	n	13	0% to <= 15% Substitute 1/2 PQL	GWPS	4.000
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.332	0.332	0.033	0.100	0.000					N		
01/18/2017		0.372	0.372	0.033	0.100	0.000					N		
03/21/2017		0.311	0.311	0.033	0.100	0.000					N		
05/22/2017		0.412	0.412	0.033	0.100	0.000					N		
07/06/2017		0.304	0.304	0.033	0.100	0.000					N		
03/06/2018		0.100	0.025	0.025	0.200	0.000					Y		
06/04/2018		0.350	0.350	0.025	0.200	0.000					N		
09/10/2018		0.310	0.310	0.025	0.200	0.000					N		

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Confidence Interval Around Normal Mean

Location Id: MW-AP-08		Parameter: Lithium, tot mg/L		Run Id: 85									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.009	0.004	2.998	0.004	0.014	n	13	0% to <= 15% Substitute 1/2 PQL	GWPS	0.040
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.014	0.014	0.002	0.010	0.000	N						
01/18/2017		0.005	0.010	0.002	0.010	0.000	Y						
03/21/2017		0.012	0.012	0.002	0.010	0.000	N						
05/22/2017		0.014	0.014	0.002	0.010	0.000	N						
07/06/2017		0.010	0.010	0.002	0.010	0.000	N						
03/06/2018		0.008	0.008	0.000	0.002	0.000	N						
06/04/2018		0.005	0.005	0.001	0.002	0.000	N						
09/10/2018		0.003	0.003	0.001	0.002	0.000	N						

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Confidence Interval Around Normal Mean

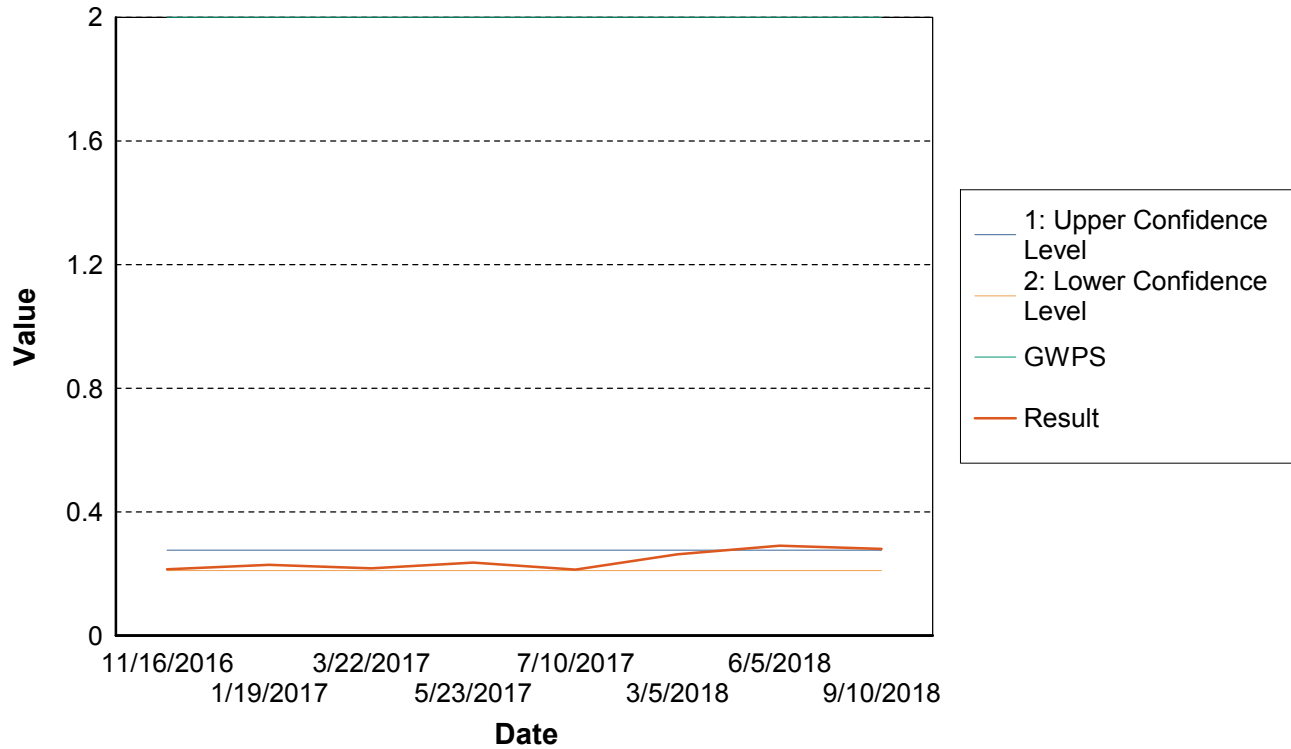
Location Id: MW-AP-08		Parameter: Selenium, tot mg/L		Run Id: 89									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	y/y	0.014	0.010	2.998	0.004	0.024	n	13	0% to <= 15% Substitute ½ PQL	GWPS	0.050
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016		0.019	0.019	0.002	0.005	0.000					N		
01/18/2017		0.019	0.019	0.002	0.005	0.000					N		
03/21/2017		0.017	0.017	0.002	0.005	0.000					N		
05/22/2017		0.032	0.032	0.001	0.005	0.000					N		
07/06/2017		0.011	0.011	0.001	0.005	0.000					N		
03/06/2018		0.005	0.005	0.001	0.005	0.000					N		
06/04/2018		0.003	0.005	0.002	0.005	0.000					Y		
09/10/2018		0.007	0.007	0.002	0.005	0.000					N		

Confidence Interval Around Normal Mean

Run Id: 3

Location MW-AP-01 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

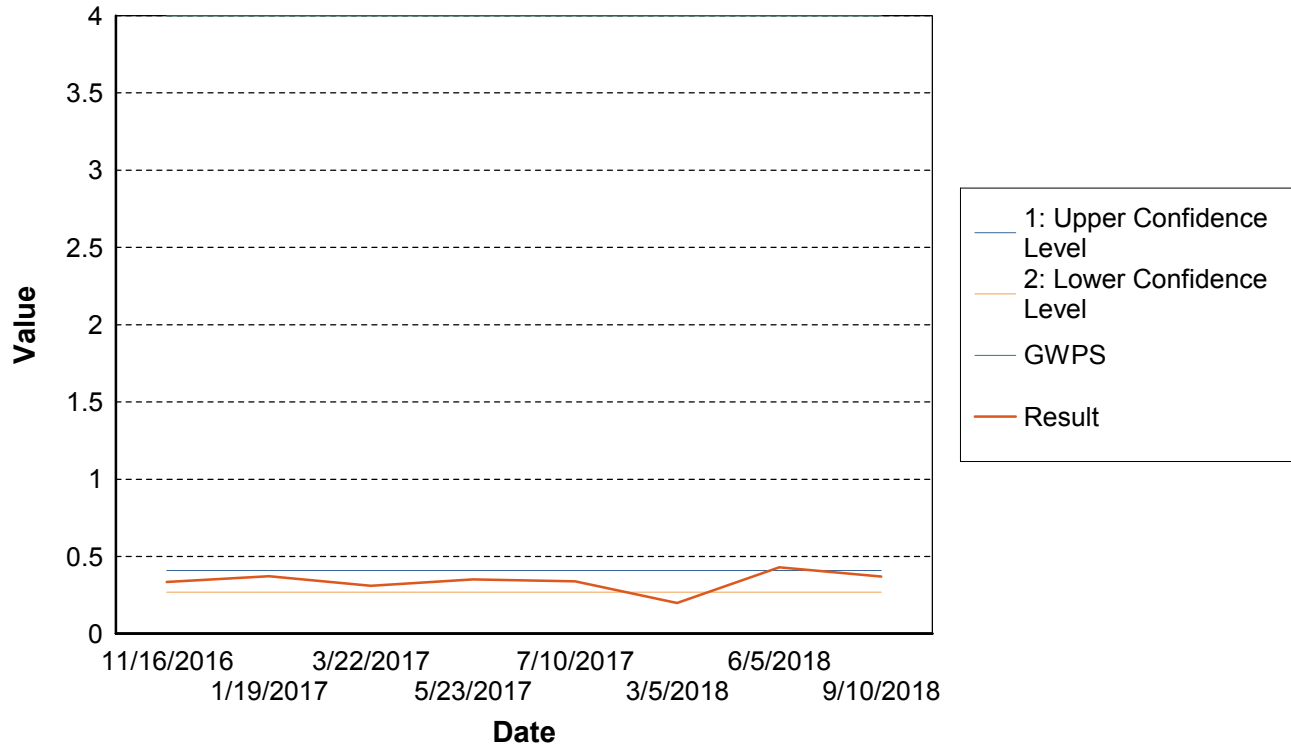


Confidence Interval Around Normal Mean

Run Id: 8

Location MW-AP-01 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

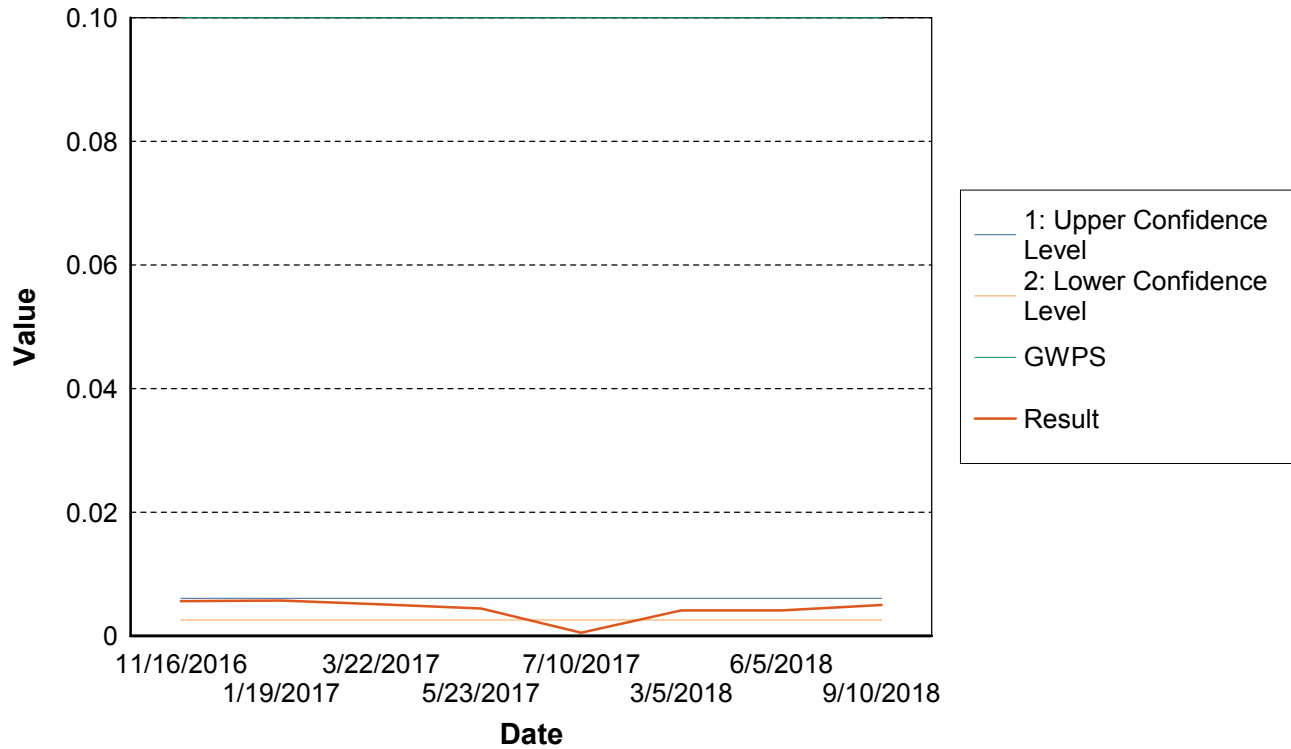


Confidence Interval Around Normal Mean

Run Id: 12

Location MW-AP-01 Parameter Molybdenum, total mg/L

Confidence Interval Around Normal Mean

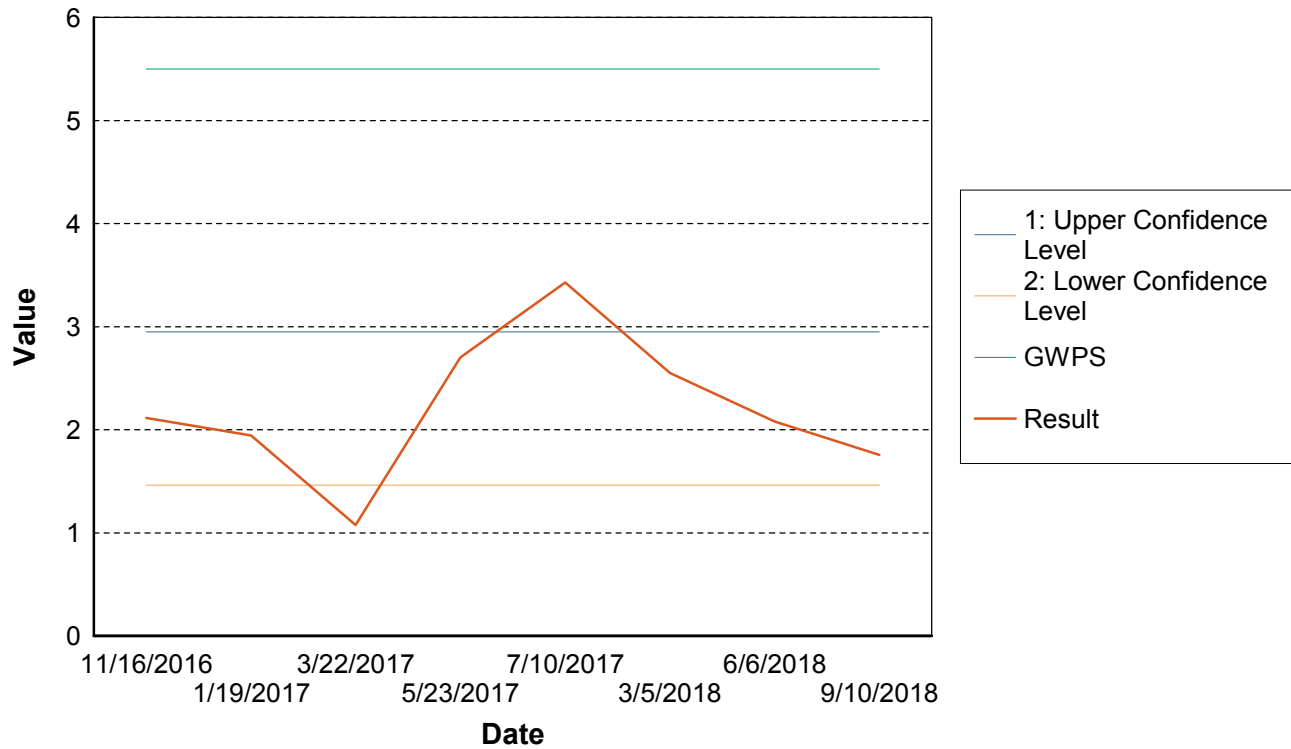


Confidence Interval Around Normal Mean

Run Id: 13

Location MW-AP-01 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

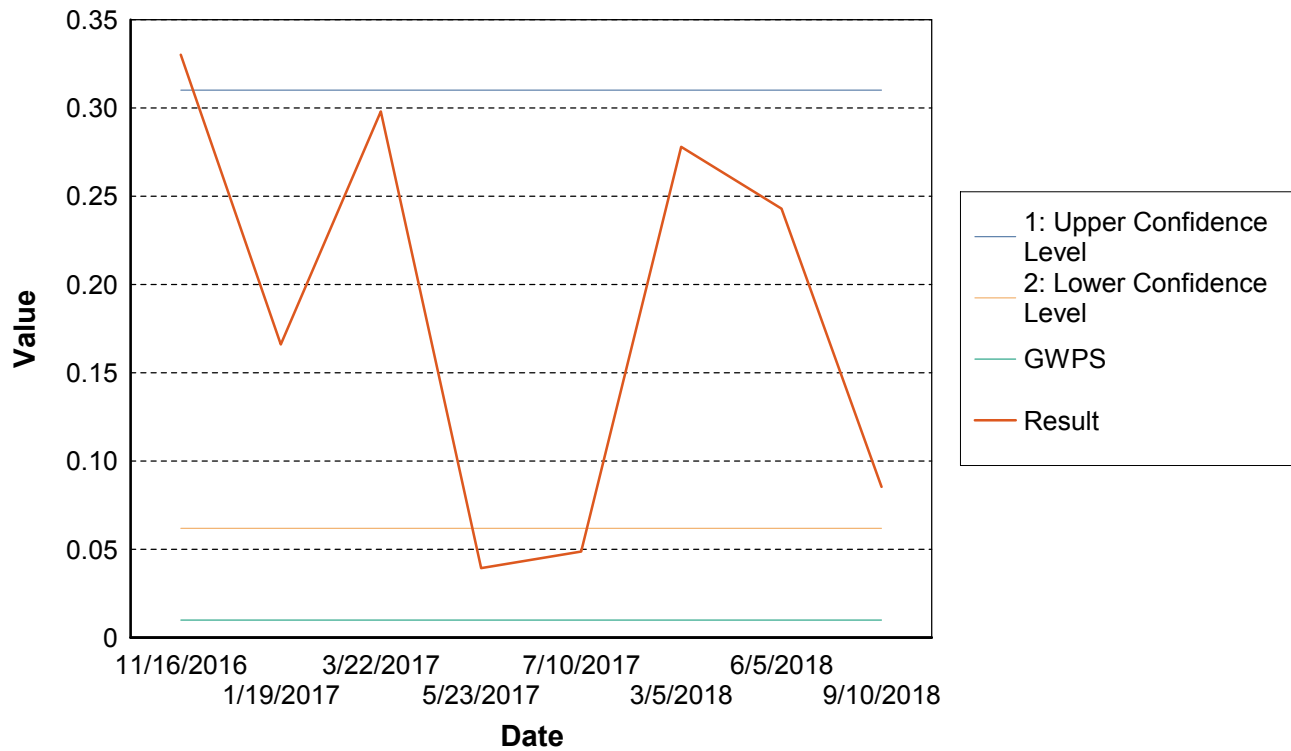


Confidence Interval Around Normal Mean

Run Id: 17

Location MW-AP-02 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

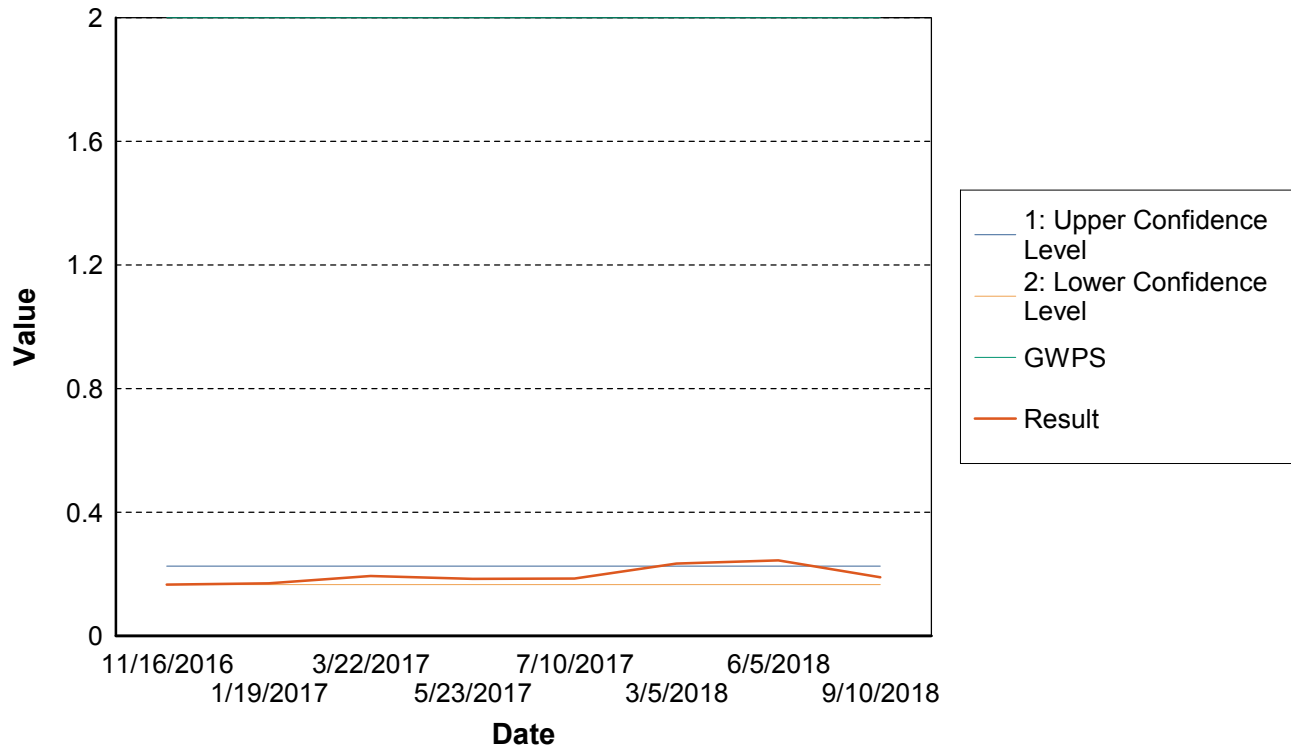


Confidence Interval Around Normal Mean

Run Id: 18

Location MW-AP-02 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

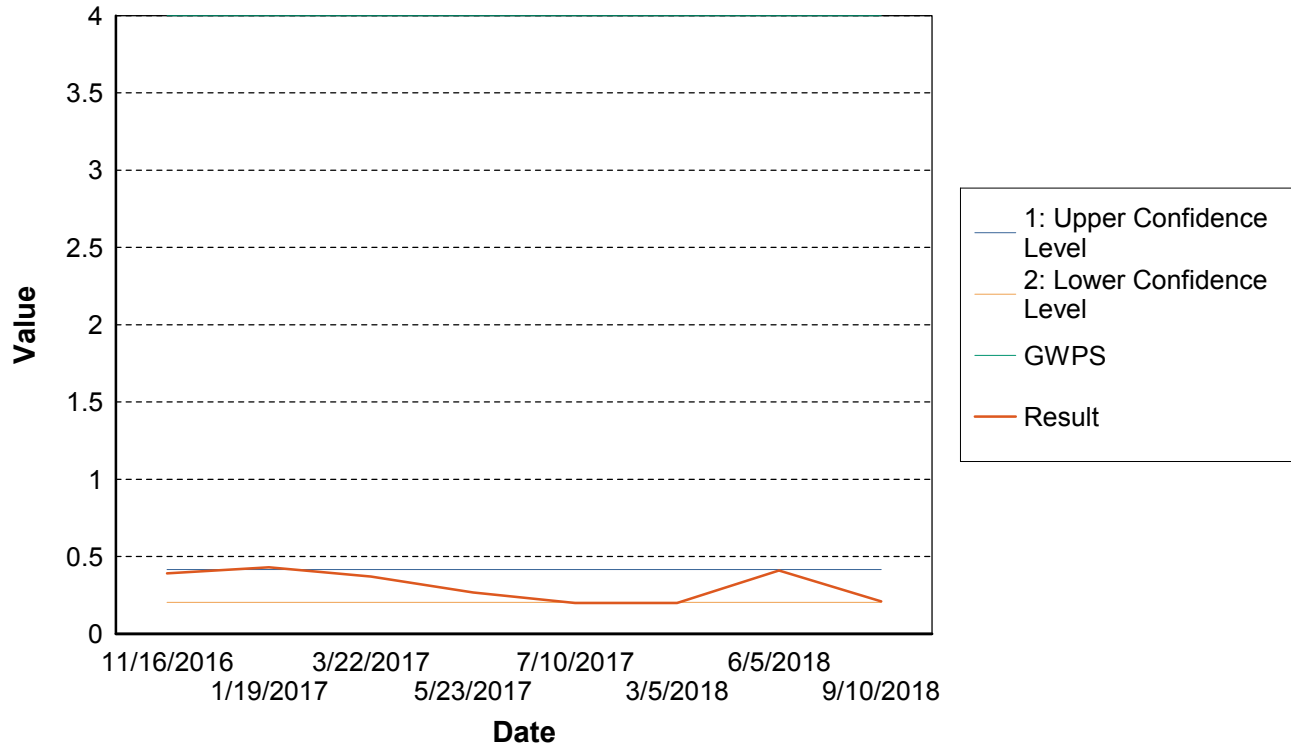


Confidence Interval Around Normal Mean

Run Id: 23

Location MW-AP-02 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

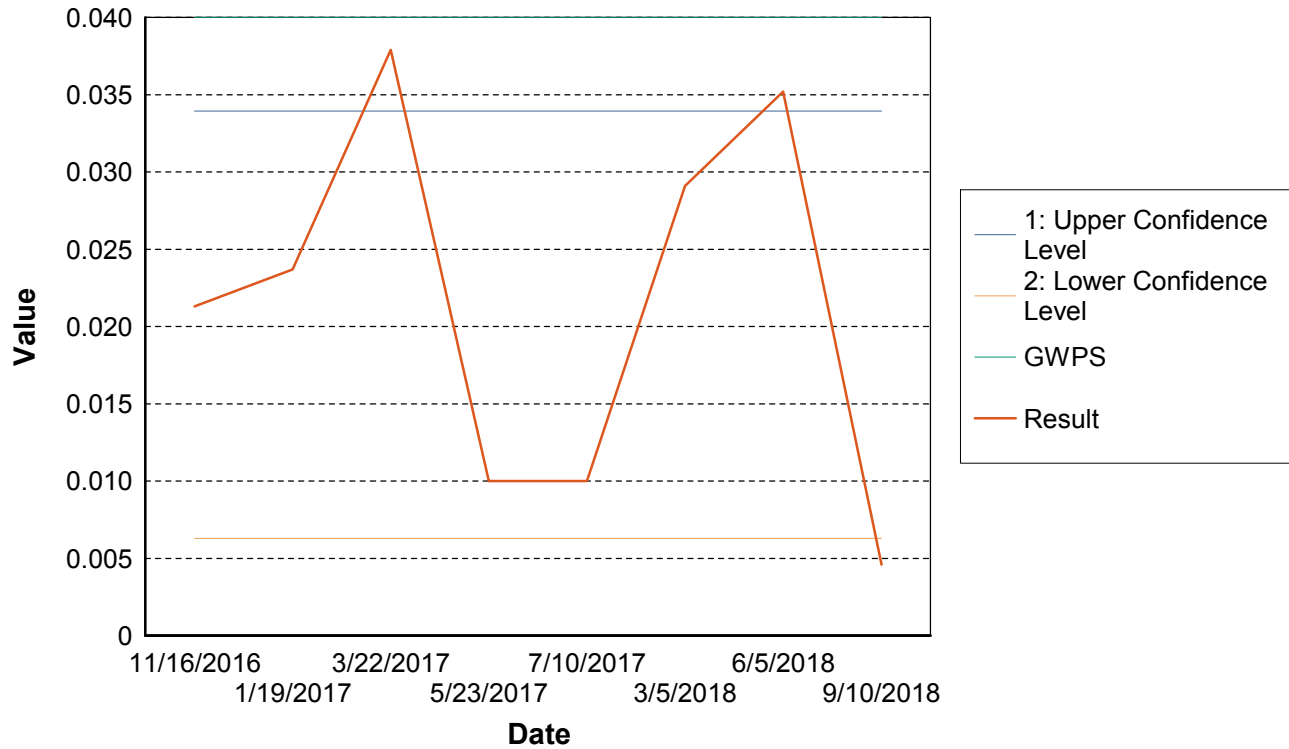


Confidence Interval Around Normal Mean

Run Id: 25

Location MW-AP-02 Parameter Lithium, tot mg/L

Confidence Interval Around Normal Mean

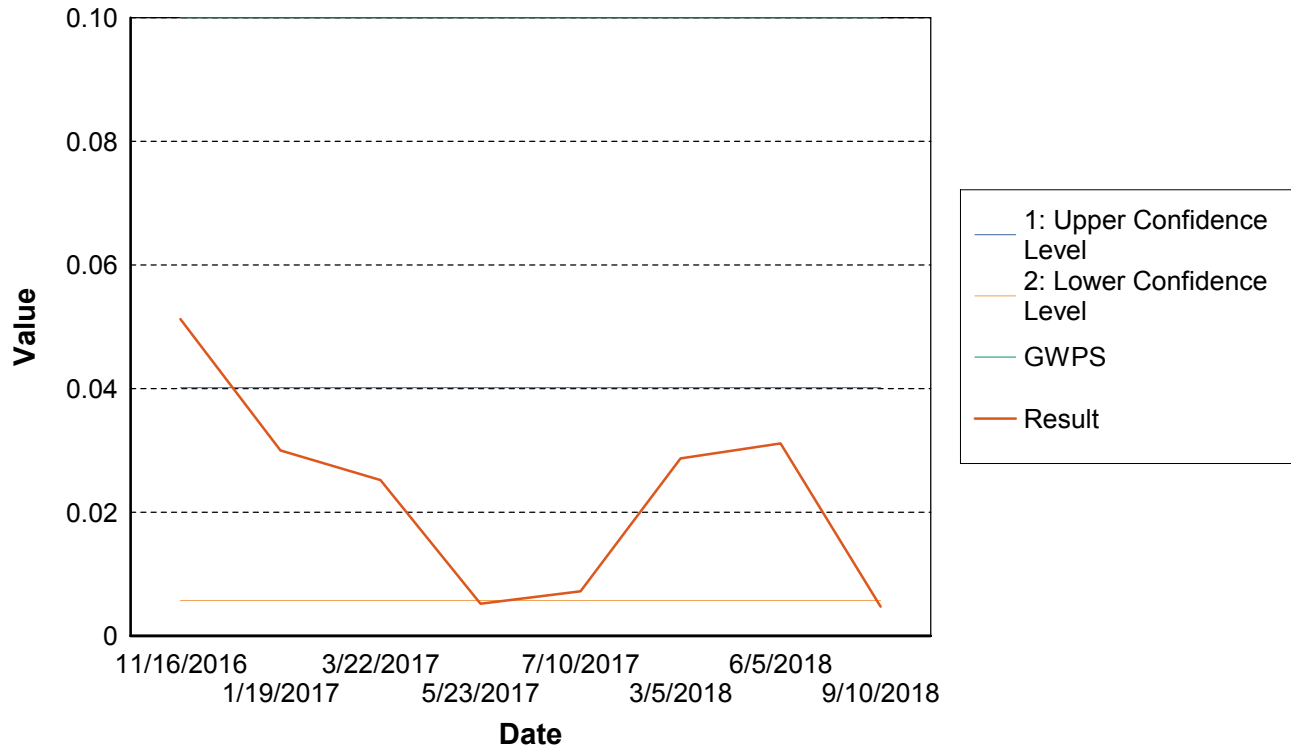


Confidence Interval Around Normal Mean

Run Id: 27

Location MW-AP-02 Parameter Molybdenum, total mg/L

Confidence Interval Around Normal Mean

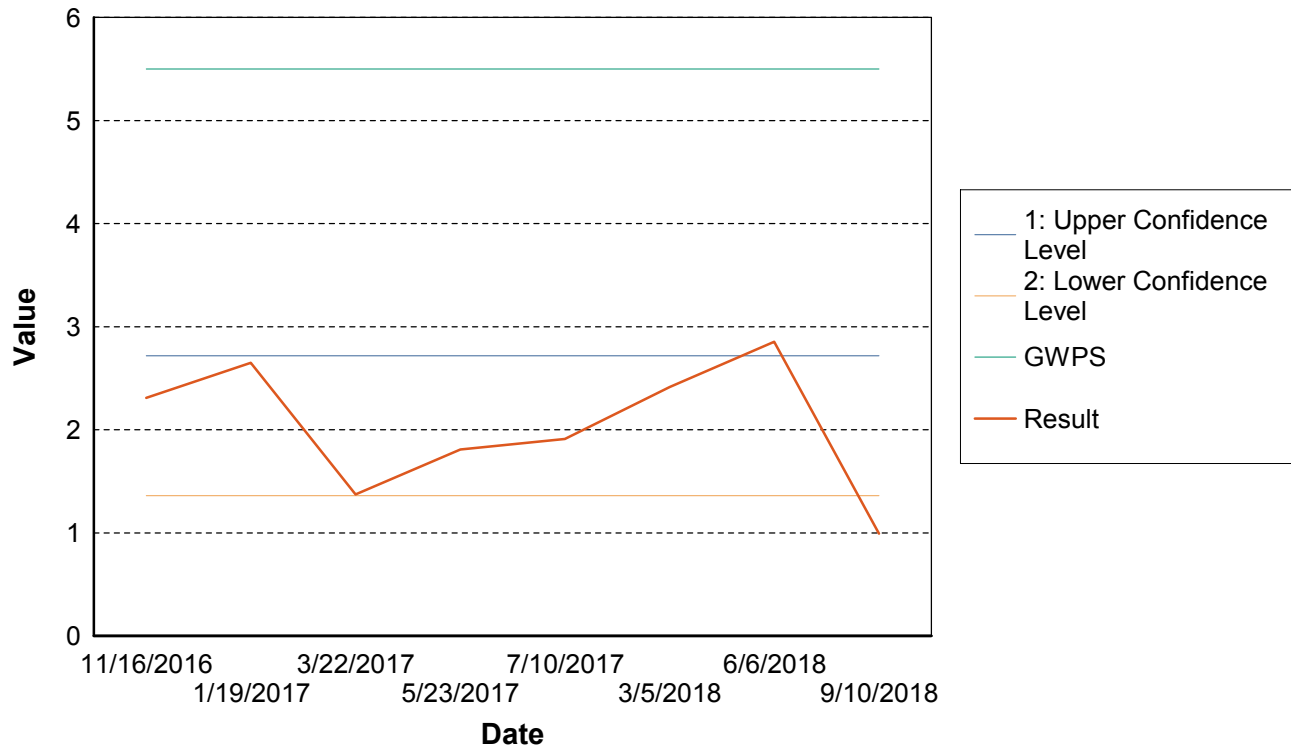


Confidence Interval Around Normal Mean

Run Id: 28

Location MW-AP-02 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

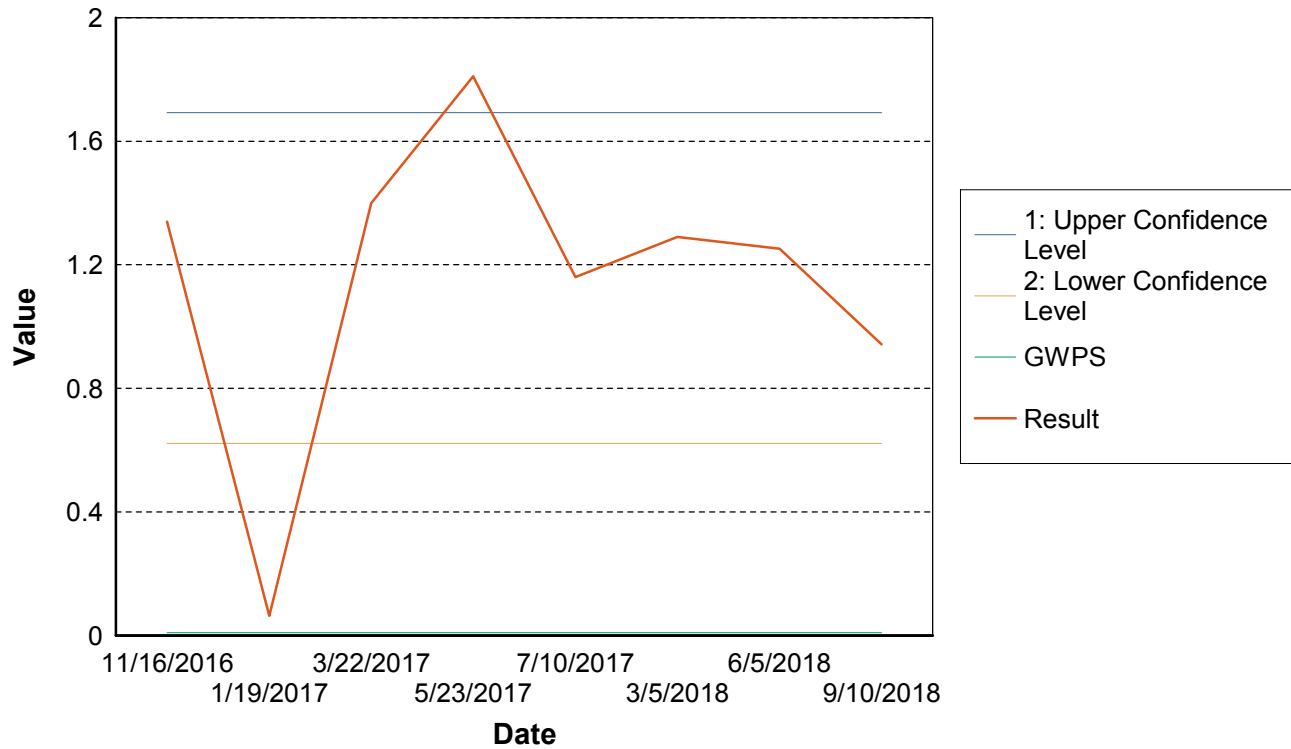


Confidence Interval Around Normal Mean

Run Id: 32

Location MW-AP-03 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

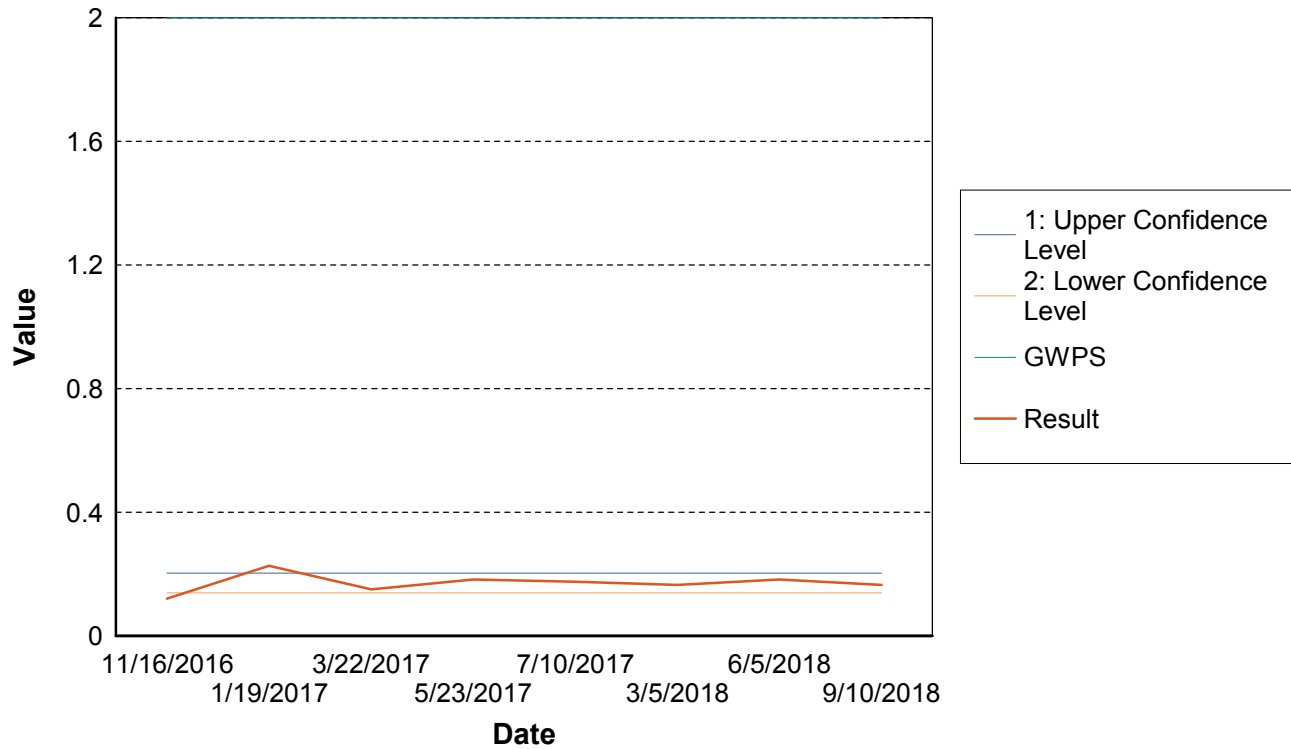


Confidence Interval Around Normal Mean

Run Id: 33

Location MW-AP-03 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

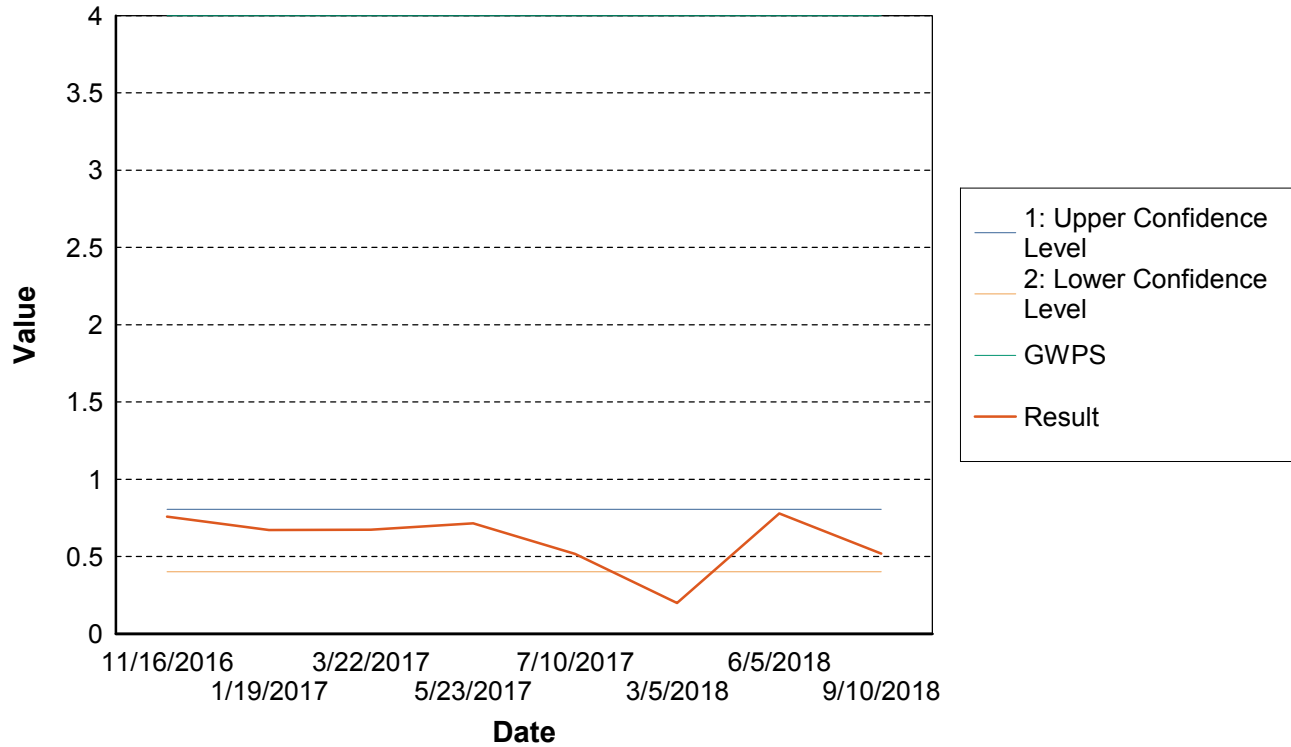


Confidence Interval Around Normal Mean

Run Id: 38

Location MW-AP-03 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

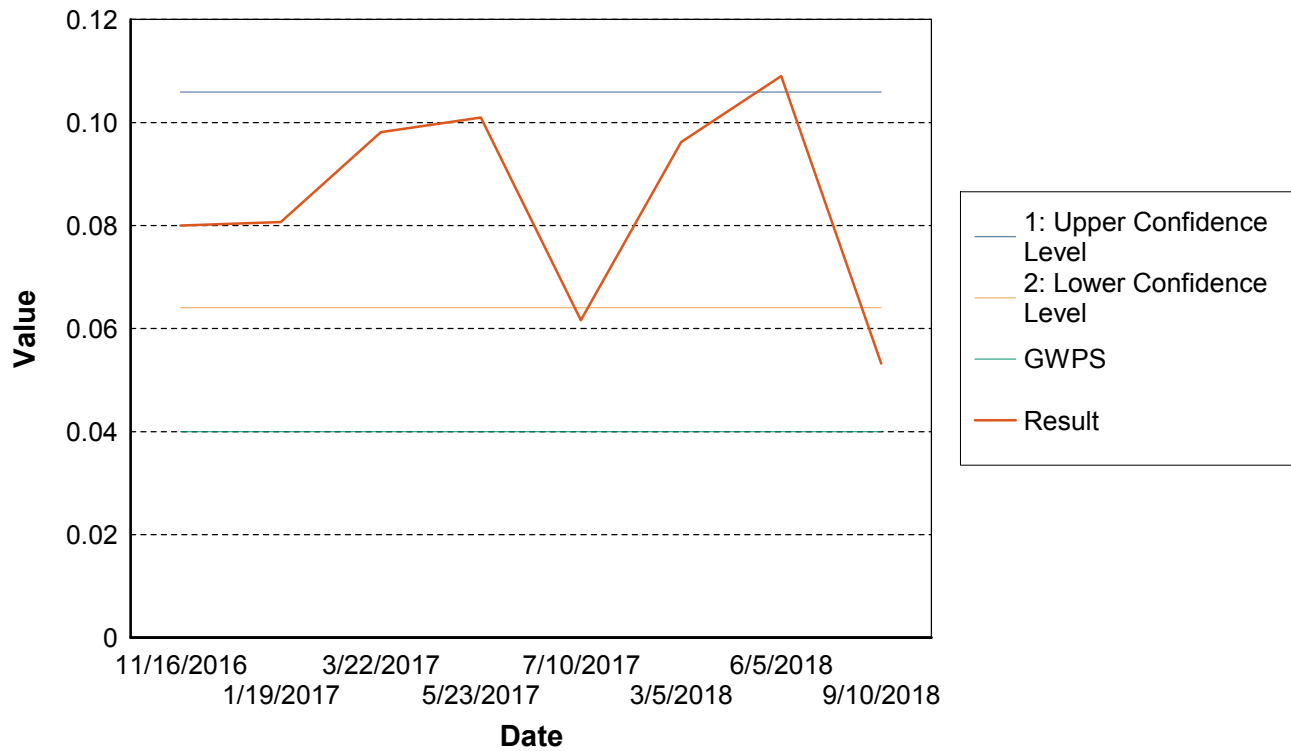


Confidence Interval Around Normal Mean

Run Id: 40

Location MW-AP-03 Parameter Lithium, tot mg/L

Confidence Interval Around Normal Mean

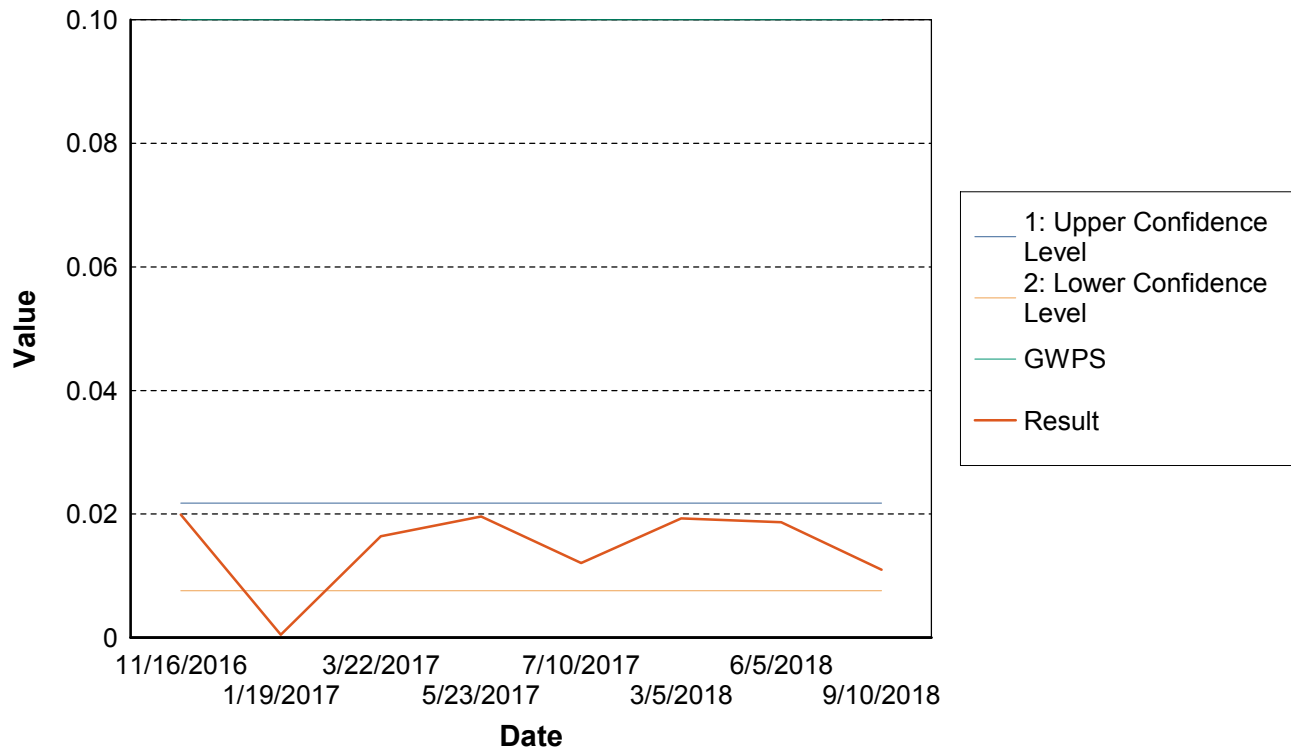


Confidence Interval Around Normal Mean

Run Id: 42

Location MW-AP-03 Parameter Molybdenum, total mg/L

Confidence Interval Around Normal Mean

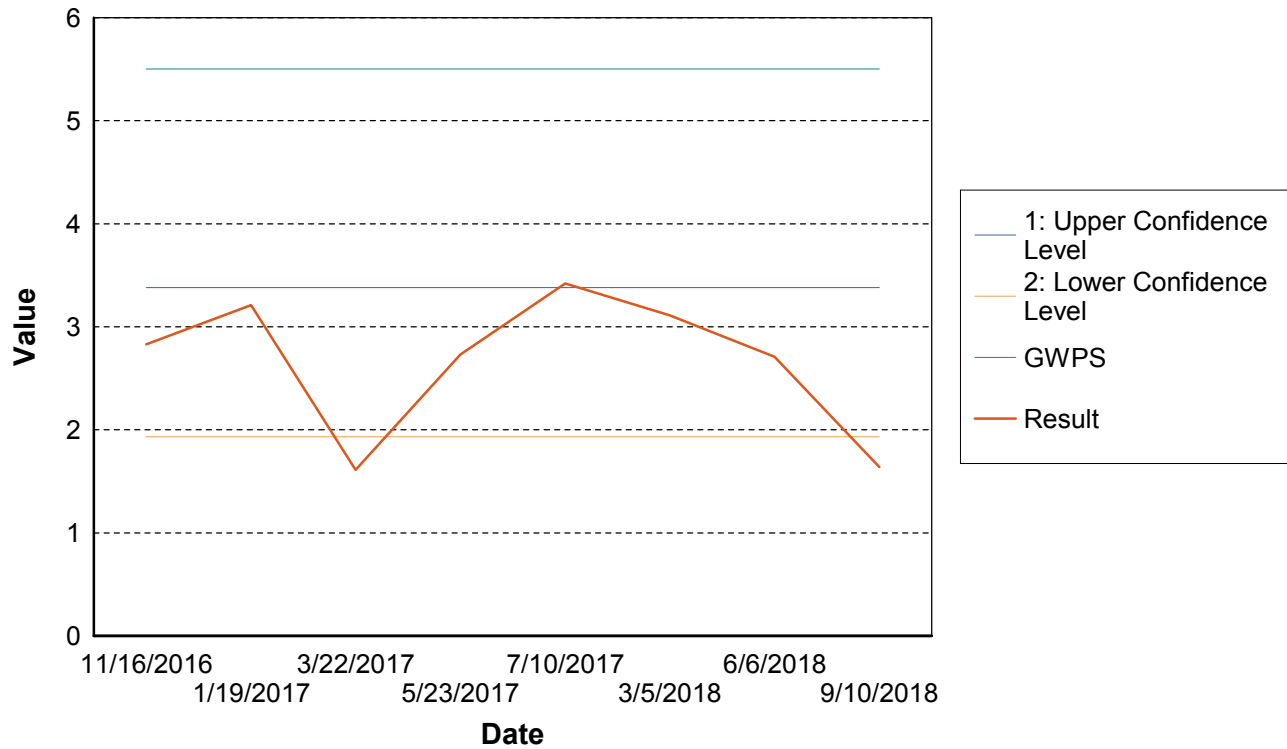


Confidence Interval Around Normal Mean

Run Id: 43

Location MW-AP-03 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

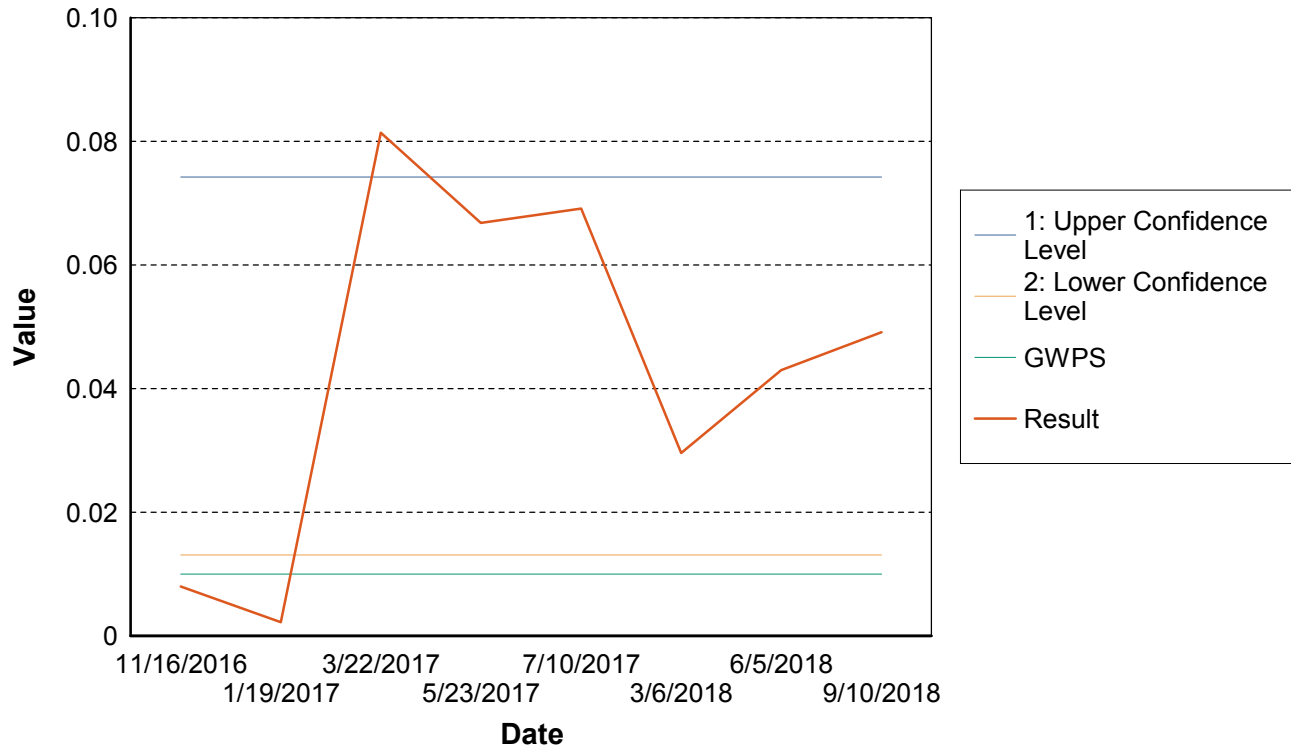


Confidence Interval Around Normal Mean

Run Id: 47

Location MW-AP-04 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

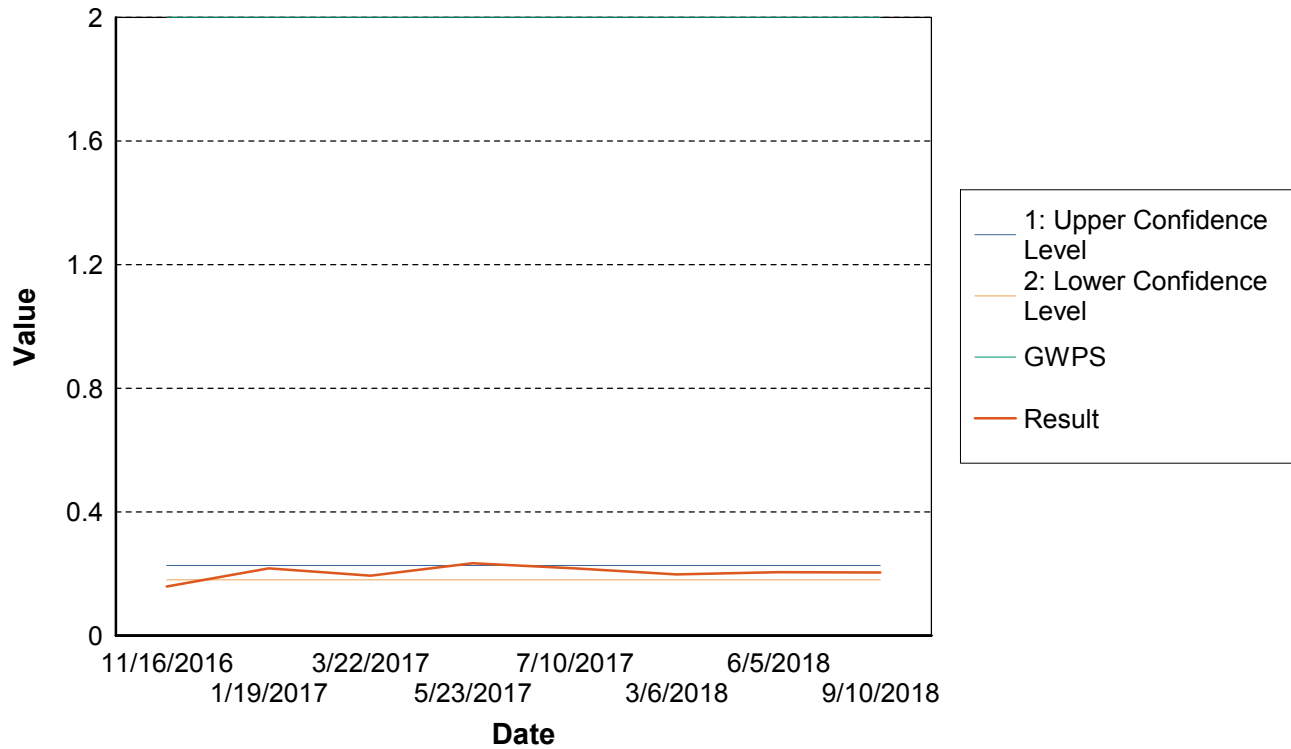


Confidence Interval Around Normal Mean

Run Id: 48

Location MW-AP-04 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

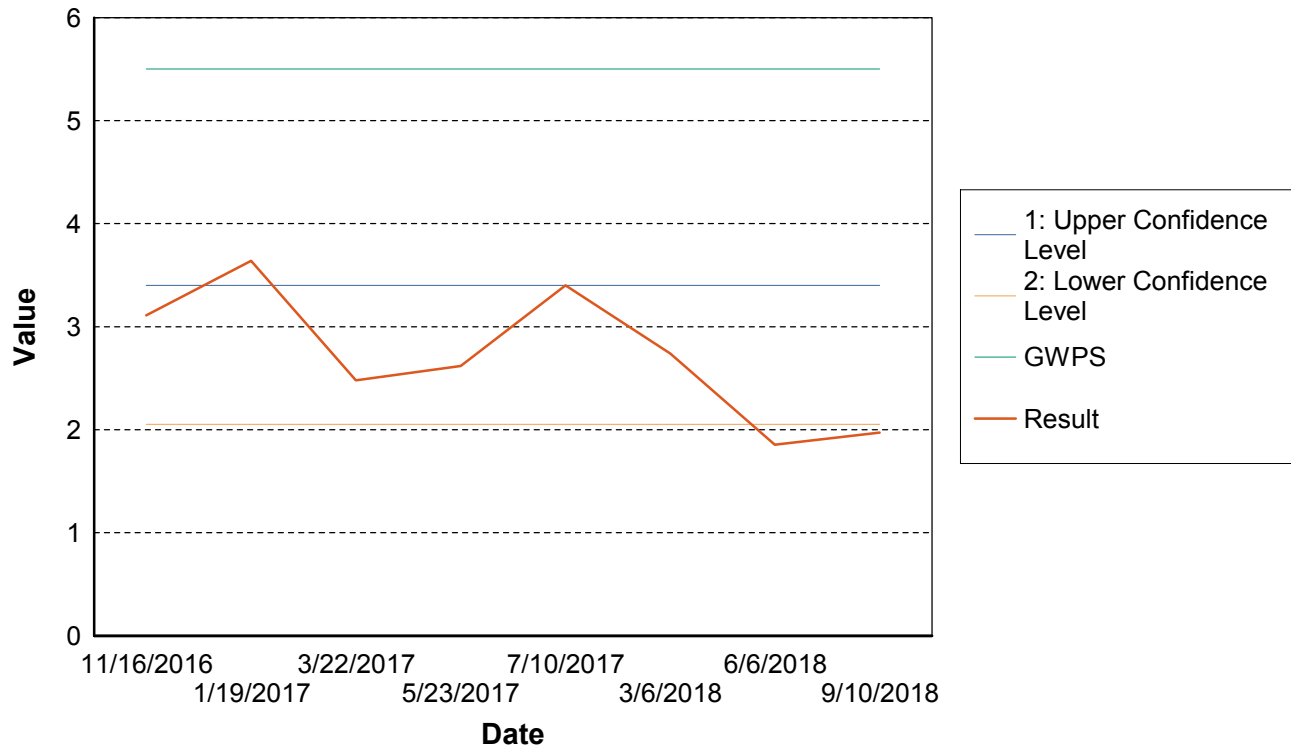


Confidence Interval Around Normal Mean

Run Id: 58

Location MW-AP-04 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

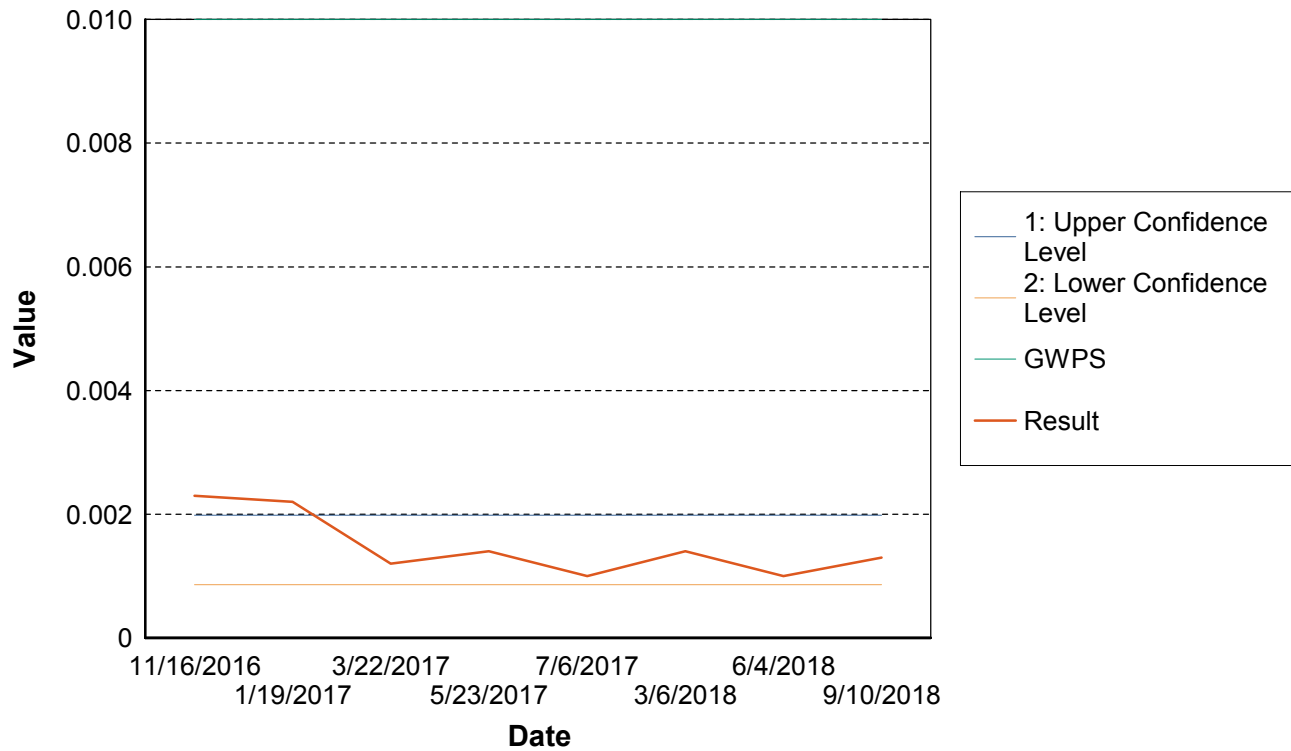


Confidence Interval Around Normal Mean

Run Id: 62

Location MW-AP-05 Parameter Arsenic, tot mg/L

Confidence Interval Around Normal Mean

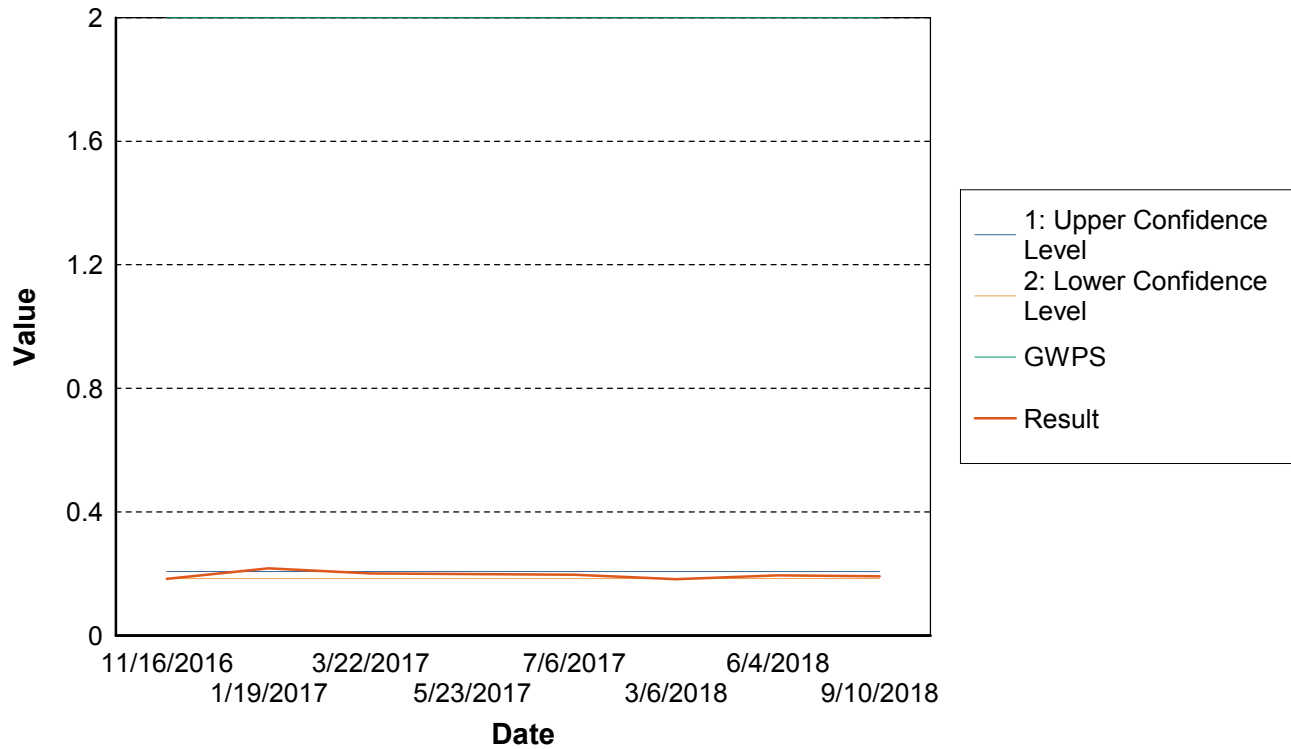


Confidence Interval Around Normal Mean

Run Id: 63

Location MW-AP-05 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

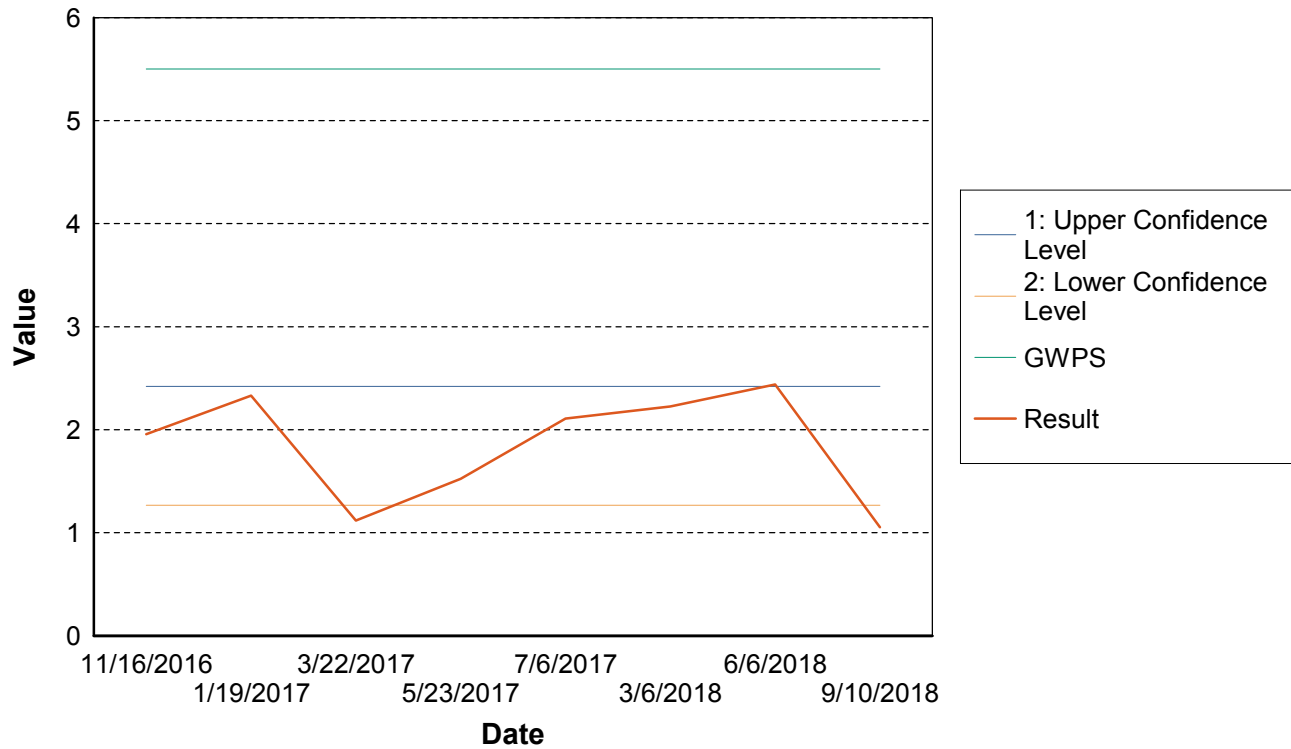


Confidence Interval Around Normal Mean

Run Id: 73

Location MW-AP-05 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

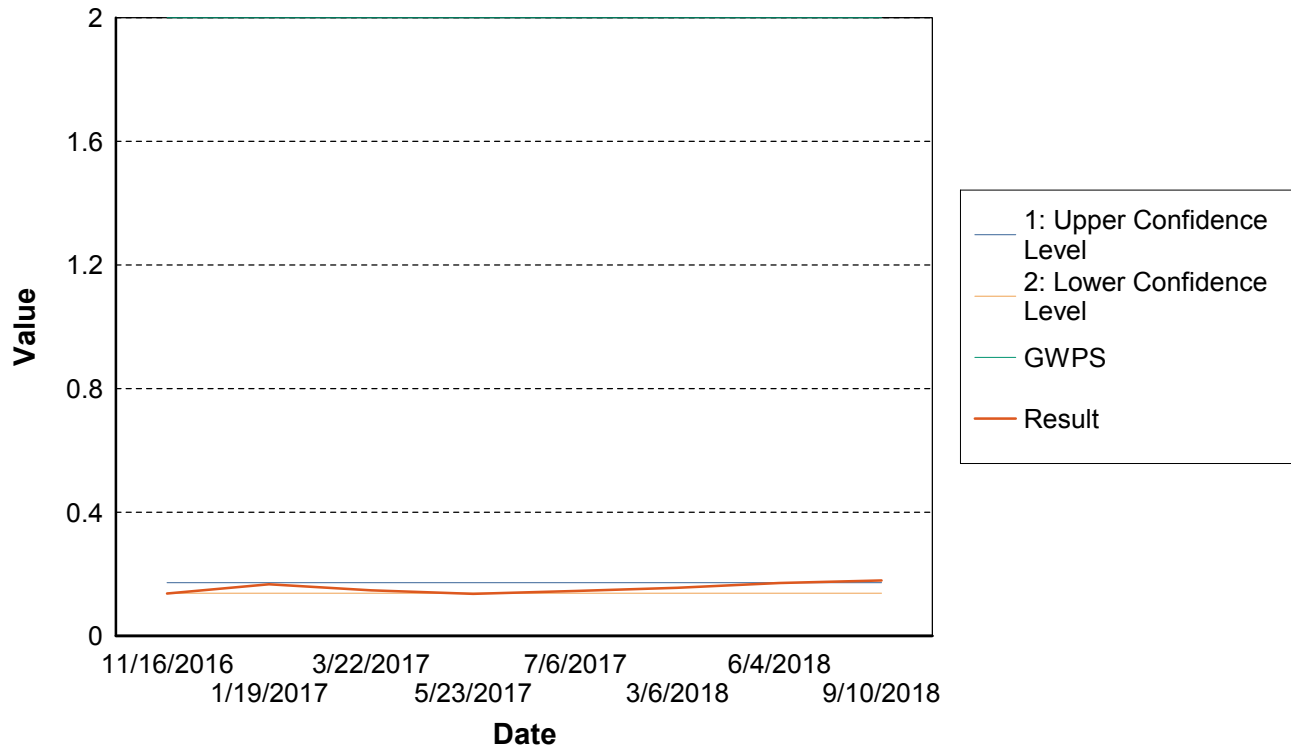


Confidence Interval Around Normal Mean

Run Id: 78

Location MW-AP-08 Parameter Barium, tot mg/L

Confidence Interval Around Normal Mean

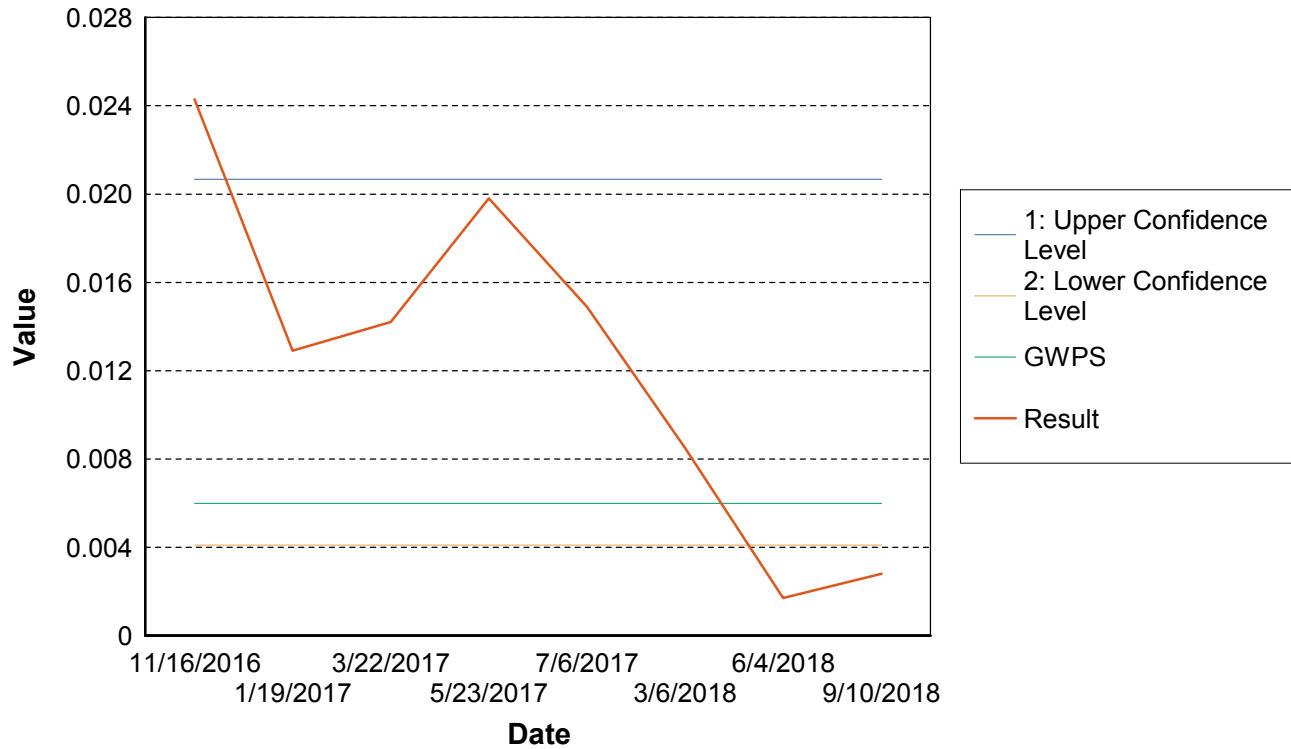


Confidence Interval Around Normal Mean

Run Id: 82

Location MW-AP-08 Parameter Co, tot mg/L

Confidence Interval Around Normal Mean

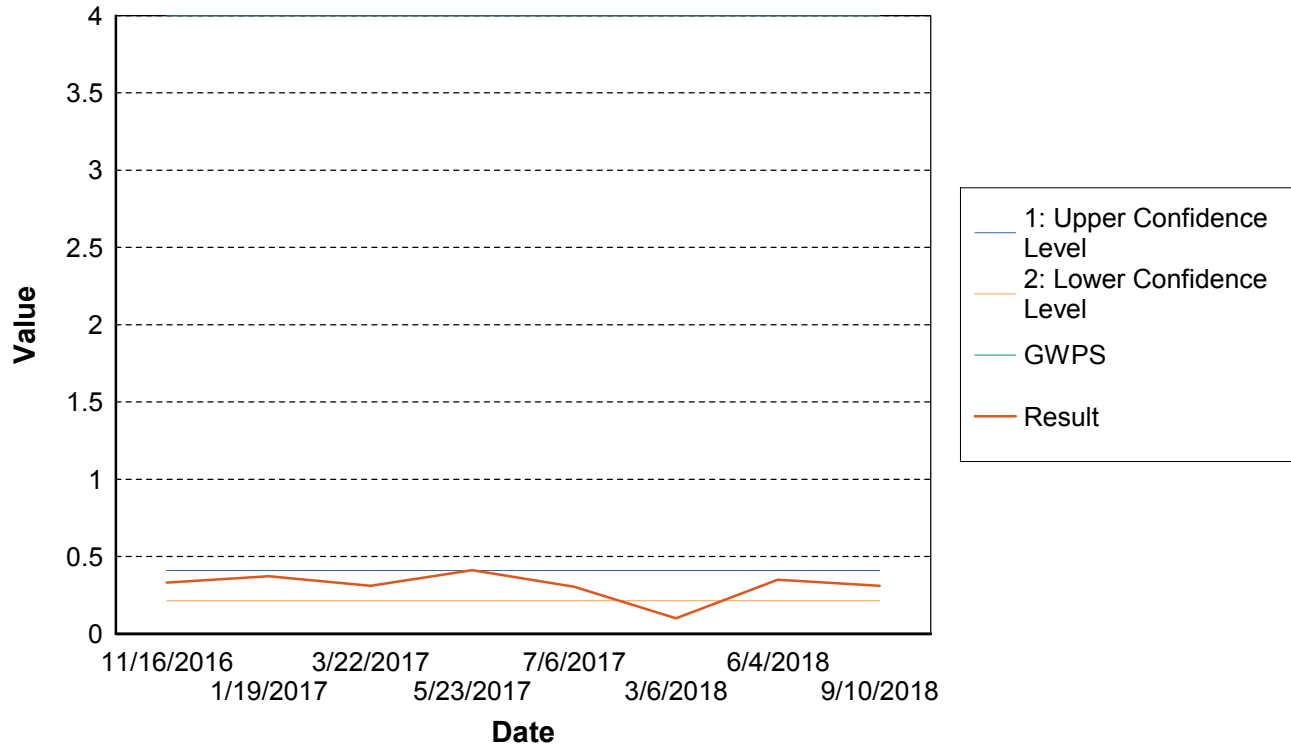


Confidence Interval Around Normal Mean

Run Id: 83

Location MW-AP-08 Parameter Fluoride, total mg/L

Confidence Interval Around Normal Mean

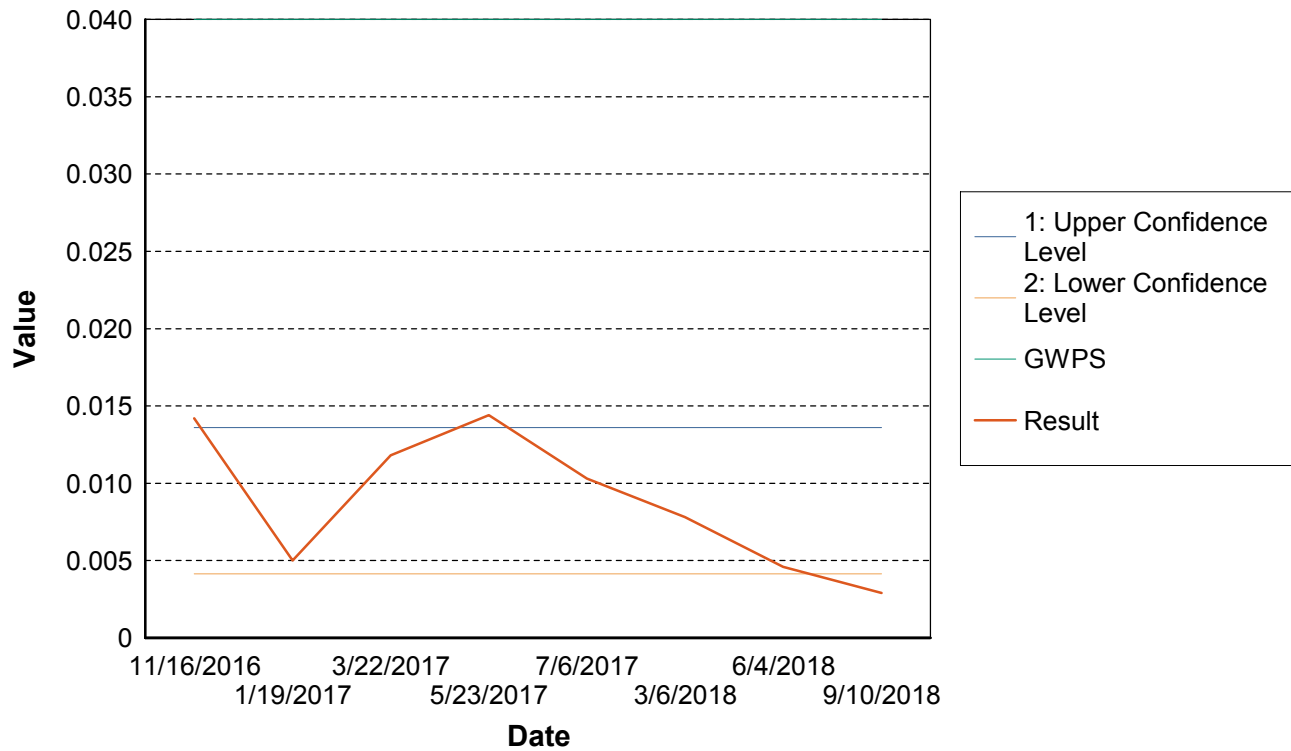


Confidence Interval Around Normal Mean

Run Id: 85

Location MW-AP-08 Parameter Lithium, tot mg/L

Confidence Interval Around Normal Mean

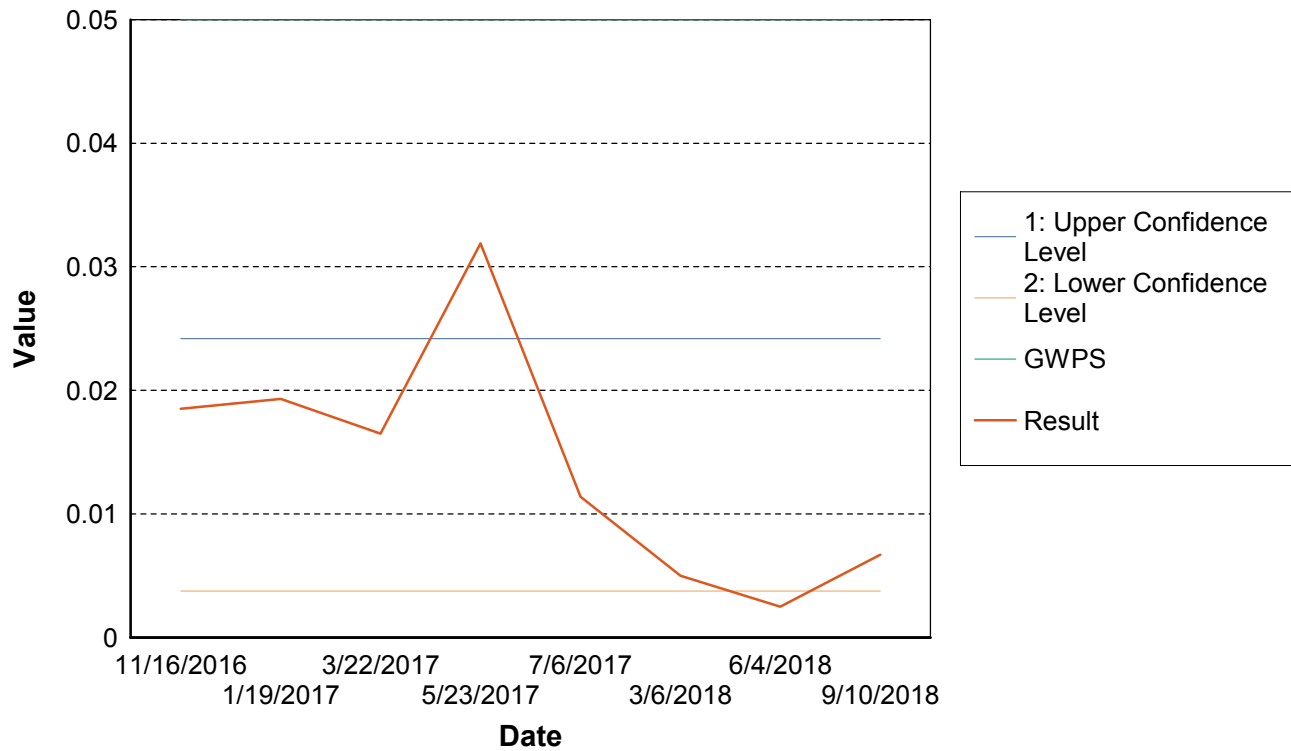


Confidence Interval Around Normal Mean

Run Id: 89

Location MW-AP-08 Parameter Selenium, tot mg/L

Confidence Interval Around Normal Mean



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Confidence Band Around Linear Regression

Location Id:		MW-AP-08		Parameter:		Arsenic, tot mg/L		Run Id: 77				
Count	Sided	Alpha	Passed Residual Normality	Extended Days	Trended Points	Upper Confidence	Lower Confidence	Percent ND	ND Approach	GWPS Basis	GWPS	
8	1	0.01	Yes	0	101	0.004	-0.002	0	0% to <= 15% Substitute PQL	GWPS	0.010	
(@Last Sample Date)												
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016	0.009	0.009	0.000	0.000	N							
01/18/2017	0.008	0.008	0.000	0.000	N							
03/21/2017	0.006	0.006	0.000	0.000	N							
05/22/2017	0.008	0.008	0.000	0.000	N							
07/06/2017	0.005	0.005	0.000	0.000	N							
03/06/2018	0.002	0.002	0.000	0.000	N							
06/04/2018	0.002	0.002	0.000	0.000	N							
09/10/2018	0.002	0.002	0.000	0.000	N							

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Confidence Band Around Linear Regression

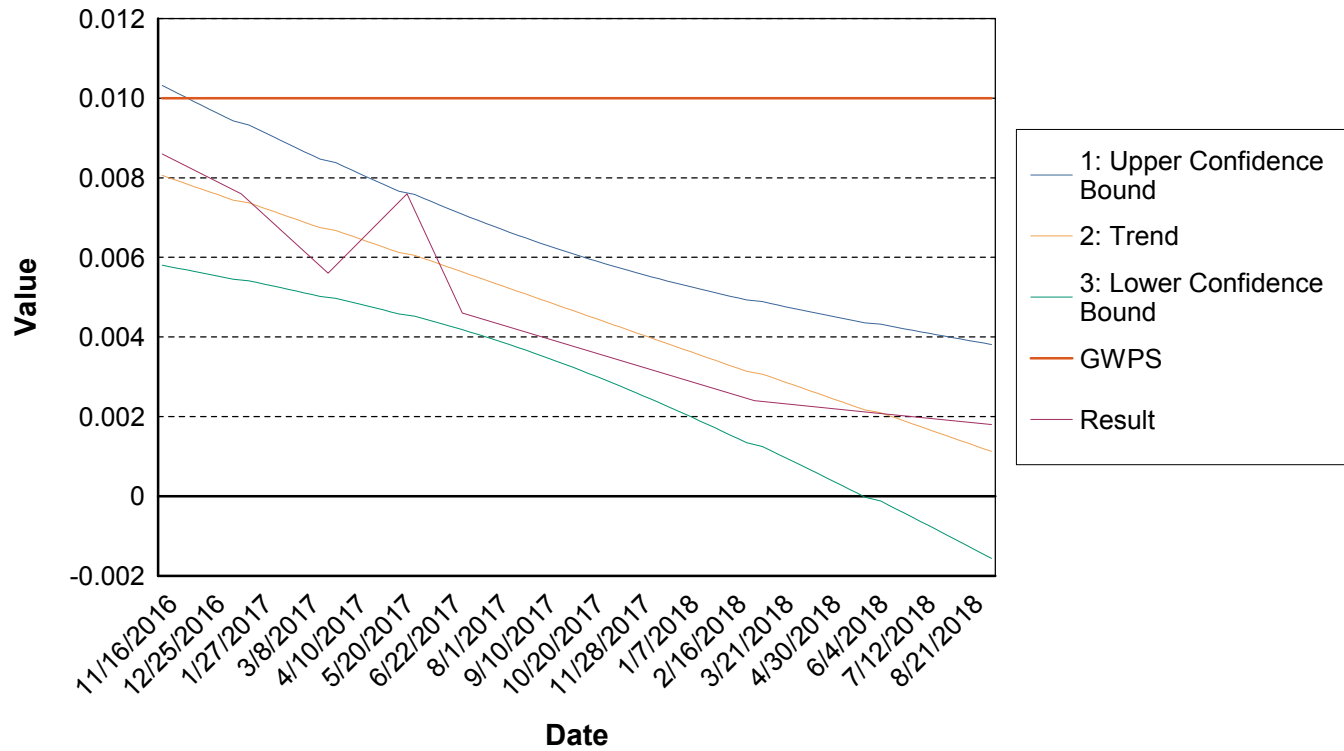
Location Id:		MW-AP-08		Parameter:		Beryllium, total mg/L				Run Id: 79	
Count	Sided	Alpha	Passed Residual Normality	Extended Days	Trended Points	Upper Confidence	Lower Confidence	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	Yes	0	101	0.003	0.001	38	> 15% to <= 50% Substitute PQL	GWPS	0.004
(@Last Sample Date)											
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>RL</u>	<u>Non Detect</u>						
11/15/2016	0.004	0.004	0.000	0.000	N						
01/18/2017	0.004	0.004	0.000	0.000	N						
03/21/2017	0.004	0.004	0.000	0.000	N						
05/22/2017	0.004	0.004	0.000	0.000	N						
07/06/2017	0.003	0.003	0.000	0.000	N						
03/06/2018	0.002	0.002	0.000	0.000	Y						
06/04/2018	0.002	0.001	0.000	0.000	Y						
09/10/2018	0.002	0.002	0.000	0.000	Y						

Confidence Band Around Linear Regression

Run Id: 77

Location MW-AP-08 Parameter Arsenic, tot mg/L

Confidence Band Around Linear Regression

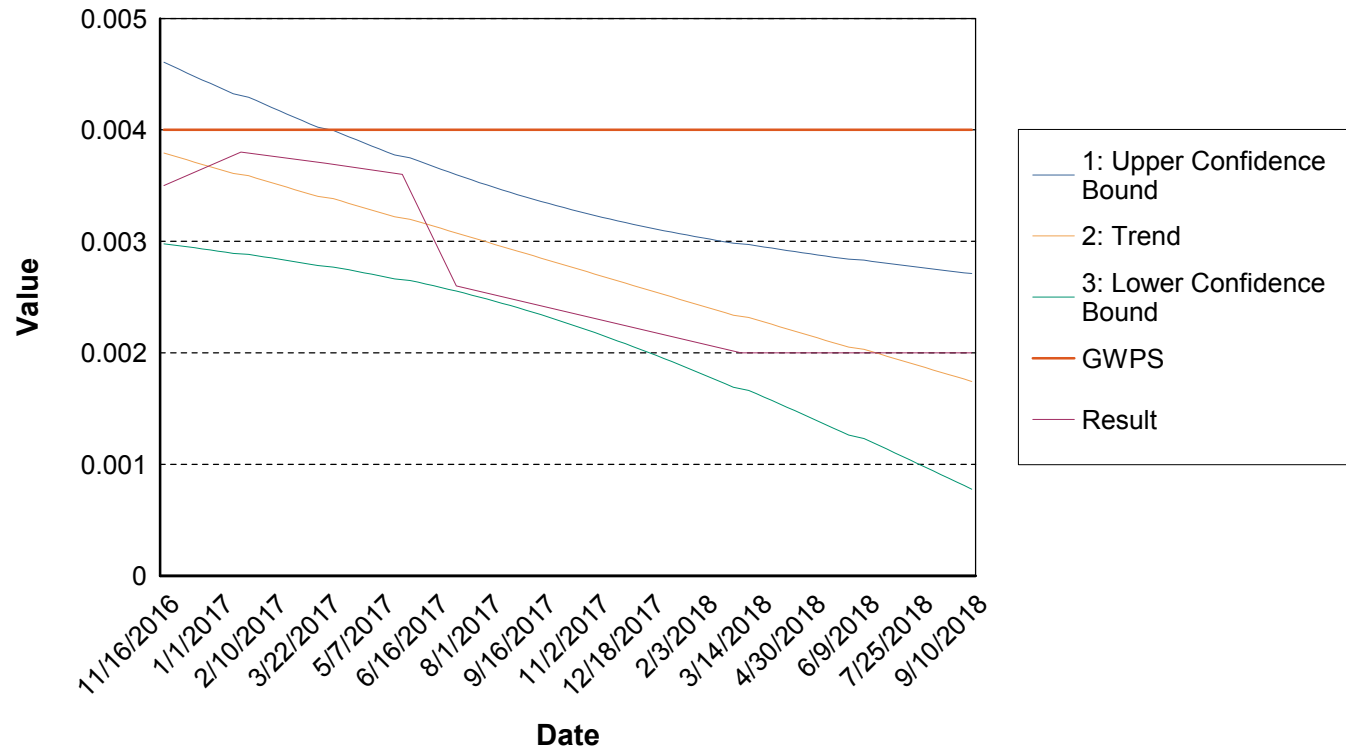


Confidence Band Around Linear Regression

Run Id: 79

Location MW-AP-08 Parameter Beryllium, total mg/L

Confidence Band Around Linear Regression



Wateree Station

December 5, 2018

4:38:27 PM

Confidence Interval Around Lognormal Geometric Mean

Location Id: MW-AP-08		Parameter: Radium 226 + radium 228, pCi/L		Run Id: 88									
Count	Sided	Alpha	Normal/ Lognormal	Mean	Standard Deviation	Student t	Lower Limit	Upper Limit	Log Transform	Percent ND	ND Approach	GWPS Basis	GWPS
8	1	0.01	n/y	4.460	5.899	2.998	0.996	7.738	y	0	0% to <= 15% Substitute ½ PQL	PARA TI	5.502
<u>Sample Date</u>	<u>Modified Result</u>	<u>Analysis Result</u>	<u>Detection Limit</u>	<u>PQL</u>	<u>RL</u>	<u>Non Detect</u>							
11/15/2016	3.640	3.640	0.000	0.000	0.000	N							
01/18/2017	3.236	3.236	0.000	0.000	0.000	N							
03/21/2017	1.847	1.847	0.000	0.000	0.000	N							
05/22/2017	2.720	2.720	0.000	0.000	0.000	N							
07/06/2017	18.860	18.860	0.000	0.000	0.000	N							
03/06/2018	1.830	1.830	1.830	0.000	0.000	N							
06/06/2018	2.962	2.962	2.375	0.000	0.000	N							
09/10/2018	0.583	0.583	1.793	0.000	0.000	N							

Confidence Interval Around Lognormal Geometric Mean

Run Id: 88

Location MW-AP-08 Parameter Radium 226 + radium 228, pCi/L

Confidence Interval Around Normal Mean

