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Our ref: HEM-17-67
Date: November 8, 2017

Subject: Westinghouse Hematite Decommissioning Project - Request for NRC Review of
Final Status Survey Final Report Volume 6, Chapter 9, Post-remediation
Groundwater Monitoring 6th Quarter Results (License No. SNM-00033, Docket
No. 070-00036)

The purpose of this letter is to provide for the U.S. Nuclear Regulatory Commission (NRC)
review of the Final Status Survey document Final Status Survey Final Report Volume 6, Chapter
9, Post-remediation Groundwater Monitoring 6th Quarter Results.

Attachment 1 contains Final Status Survey Final Report Volume 6, Chapter 9.

Please contact me at 314-810-3353, should you have questions or need additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Kenneth E. Pallagi'.

Kenneth E. Pallagi
Licensing Manager,
Hematite Decommissioning Project

Attachment: 1) Final Status Survey Final Report Volume 6, Chapter 9, Post-remediation
Groundwater Monitoring 6th Quarter Results (HDP-RPT-FSS-509)

NM5520

HEM-17-67
November 8, 2017
Page 2 of 2

cc: J. W. Smetanka, Westinghouse
S. S. Koenick, NRC/DUWP/MDB
J. A. Smith, NRC/DUWP/MDB

Attachment 1

**Final Status Survey Final Report Volume 6, Chapter 9
Post-remediation Groundwater Monitoring 6th Quarter Results**

Westinghouse Electric Company LLC, Hematite Decommissioning Project

Docket No. 070-00036



Final Status Survey Report

Hematite Decommissioning Project

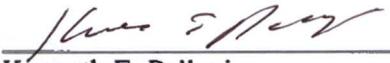
Final Status Survey Final Report Volume 6, Chapter 9

TITLE: Post-remediation Groundwater Monitoring 6th Quarter Results

REVISION: 0

EFFECTIVE DATE: NOV 08 2017

Approvals:

Author:  11-07-2017
Kenneth E. Pallagi. Date

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LIST OF ACRONYMS AND SYMBOLS

EPA	U.S. Environmental Protection Agency
FSSFR	Final Status Survey Final Report
HDP	Hematite Decommissioning Project
HSU	Hydrostratigraphic Unit
MCL	Maximum Contaminant Level
NRC	U.S. Nuclear Regulatory Commission
pCi/L	picocuries per liter
ROC	Radionuclides of Concern
Tc	Technetium
U	Uranium

1.0 INTRODUCTION

The purpose of this document, Final Status Survey Final Report (FSSFR) Volume 6, Chapter 9, *Post-remediation Groundwater Monitoring 6th Quarter Results*, is to provide the radiological groundwater sampling results from the monitoring that was conducted for the Hematite Decommissioning Project (HDP) for the 6th Quarter post-remediation groundwater monitoring.

As communicated to the U.S. Nuclear Regulatory Commission (NRC), although the post-remediation groundwater monitoring period concluded with the determination that there were no indications of any Radionuclide of Concern (ROC) above the U.S. Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCL) in any of the Hydrostratigraphic Units (HSU), that until such time that Westinghouse submits the request to terminate NRC License SNM-33 that quarterly monitoring would continue.

The supplemental data provided in this chapter further validates that groundwater (Jefferson City-Cotter HSU and the Roubidoux HSU) has not been impacted by remedial activities, and that the groundwater dose contribution determined in FSSFR Volume 6, Chapter 7 remains at 0.68 mrem/year or less.

2.0 BACKGROUND

FSSFR Volume 6, Chapter 1 provides the basis for post-remediation groundwater monitoring, the objectives of post-remediation groundwater monitoring, and the summary of data collected. Westinghouse indicated in FSSFR Volume 6, Chapter 1 that that *“monitoring would be discontinued when it could be determined that the radioactivity concentrations did not pose an unacceptable potential for dose.”* and *“at the completion of the fourth quarter of post-remediation monitoring, an evaluation of the groundwater sample data will be performed to determine if the concentrations are stable, or are showing an increasing or decreasing trend as compared to historical data (2009 – 2015).”*

FSSFR Volume 6, Chapter 1 also provided that *“As there are no previous sample analysis results with indication of radionuclide contamination in the groundwater (Jefferson City-Cotter HSU, and the Roubidoux HSUs) exceeding MCLs or a dose limit of 4 mrem/year, the purpose of post-remediation sampling is to verify that remediation of the source area had not contributed radionuclide contamination to the groundwater.”*

In Westinghouse letter HEM-17-48 to the NRC, dated August 9, 2017, Westinghouse communicated that it had completed the post-remediation groundwater monitoring period and the subsequent evaluation of the groundwater sample data. The evaluation concluded that there were no indications of ROCs above the EPA MCLs in any of the HSUs at the Westinghouse Hematite Facility during the post-remediation monitoring period.

The monitoring event was conducted from August 16 through August 30, 2017.

3.0 POST-REMEDATION GROUNDWATER MONITORING WELL NETWORK

The post-remediation monitoring well network is composed of 18 monitoring wells screened in the sand/gravel HSU, eight wells screened in the Jefferson City-Cotter HSU, and five wells screened in the Roubidoux HSU. New monitoring wells were installed prior to initiation of the post-remediation groundwater monitoring, with seven in the sand/gravel HSU and seven in the Jefferson City-Cotter HSU. Figure 1-1, *Post-remediation Groundwater Monitoring Well Network*, provides the locations of all monitoring wells that are monitored for radiological purposes post-remediation. Table 3-1 below lists the wells included in the sampling network. A Mann-Kendall analysis will be performed at the conclusion of each quarterly sampling, using a minimum of four data points, on each of the wells to evaluate trends in sample results. For existing wells, a 2 year (8 quarter) Mann-Kendall analysis will be performed at the conclusion of each quarterly sampling event as well.

The location and purpose of each monitoring well has been discussed in previous FSSFR Volume 6, Chapters 3, 4, 5, 6, 7 and 8; and is not included here.

**Table 3-1
Post-remediation Groundwater Monitoring Wells**

Well ID No.	HSU	Post-remediation Protocol			Existing or New*
		Purpose	Parameters	Sample Frequency	
GW-BB	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	Existing
GW-EE	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	New
GW-FF	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	New
GW-GG	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	New
GW-W	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	Existing
NB-71	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	Existing
NB-80	Sand/Gravel	Burial Pit	Tc-99, Isotopic U	Quarterly	Existing
GW-V	Sand/Gravel	Former Building Slabs	Tc-99, Isotopic U	Quarterly	Existing
GW-DD	Sand/Gravel	Former Building Slabs	Tc-99, Isotopic U	Quarterly	New
GW-II	Sand/Gravel	Former Building Slabs	Tc-99, Isotopic U	Quarterly	New
GW-JJ	Sand/Gravel	Former Building Slabs	Tc-99, Isotopic U	Quarterly	Existing
GW-CC	Sand/Gravel	Evaporation Pond	Tc-99, Isotopic U	Quarterly	New
GW-X	Sand/Gravel	Evaporation Pond	Tc-99, Isotopic U	Quarterly	Existing
GW-Y	Sand/Gravel	Evaporation Pond	Tc-99, Isotopic U	Quarterly	Existing
NB-34	Sand/Gravel	Evaporation Pond	Tc-99, Isotopic U	Quarterly	Existing
NB-35	Sand/Gravel	Evaporation Pond	Tc-99, Isotopic U	Quarterly	Existing

Well ID No.	HSU	Post-remediation Protocol			Existing or New*
		Purpose	Parameters	Sample Frequency	
PZ-02	Sand/Gravel	Evaporation Pond	Tc-99, Isotopic U	Quarterly	Existing
GW-HH	Sand/Gravel	Red Room Road Burial Area	Tc-99, Isotopic U	Quarterly	New
BR-04-JC	Jefferson City Cotter	Burial Pit	Tc-99, Isotopic U	Quarterly	Existing
BR-13-JC	Jefferson City Cotter	Former Building Slabs	Tc-99, Isotopic U	Quarterly	New
BR-14-JC	Jefferson City Cotter	Burial Pit	Tc-99, Isotopic U	Quarterly	New
BR-15-JC	Jefferson City Cotter	Burial Pit	Tc-99, Isotopic U	Quarterly	New
BR-16-JC	Jefferson City Cotter	Former Building Slabs	Tc-99, Isotopic U	Quarterly	New
BR-17-JC	Jefferson City Cotter	Former Building Slabs	Tc-99, Isotopic U	Quarterly	New
BR-18-JC	Jefferson City Cotter	Burial Pit	Tc-99, Isotopic U	Quarterly	New
BR-19-JC	Jefferson City Cotter	Evaporation Pond	Tc-99, Isotopic U	Quarterly	New
BR-04-RB	Roubidoux	Deep Bedrock	Tc-99, Isotopic U	Quarterly	Existing
BR-08-RB	Roubidoux	Deep Bedrock	Tc-99, Isotopic U	Quarterly	Existing
BR-10-RB	Roubidoux	Deep Bedrock	Tc-99, Isotopic U	Quarterly	Existing
BR-03R-RB	Roubidoux	Deep Bedrock	Tc-99, Isotopic U	Quarterly	Existing
WS-04	Roubidoux	Deep Bedrock	Tc-99, Isotopic U	Quarterly	Existing

* Indicates if the well was an existing well or a new well installed for post-remediation monitoring.

4.0 POST-REMEDIAITION GROUNDWATER MONITORING 6TH QUARTER SAMPLE RESULTS

4.1 Jefferson City-Cotter HSU Data Set

The post-remediation monitoring wells which monitor the Jefferson City-Cotter HSU were sampled for the 6th quarter between August 23 and August 29, 2017. The data set is provided in Attachment 1, *Post-Remediation Groundwater Monitoring 6th Quarter Results*. In Attachment 2, the data set for each constituent has been graphed for each well versus the respective MCL, along with the Mann-Kendell trend graph.

A review of the data set indicates that none of the monitoring well sampling results for any radiological constituent approached or was near the MCL.

The results of the Mann-Kendell trend analysis for the Jefferson City-Cotter HSU are provided in the table below. The Tc-99 results in BR-04-JC and the Total Uranium results from BR-13-JC indicate a downward trend in concentrations. No other trends were observed in the Jefferson City-Cotter HSU monitoring well results.

**Table 4-1
Mann-Kendell Trend Analysis Results – Jefferson City-Cotter HSU**

Well ID	Tc-99	Total U
BR-04-JC	Downward Trend	No Trend
BR-13-JC	No Trend	Downward Trend
BR-14-JC	No Trend	No Trend
BR-15-JC	No Trend	No Trend
BR-16-JC	No Trend	No Trend
BR-17-JC	No Trend	No Trend
BR-18-JC	No Trend	No Trend
BR-19-JC	No Trend	No Trend

4.2 Roubidoux HSU Data Set

The post-remediation monitoring wells which monitor the Roubidoux HSU were sampled for the 6th quarter between August 16 and August 24, 2017. The data set is provided in Attachment 1, *Post-Remediation Groundwater Monitoring 6th Quarter Results*. In Attachment 2, the data set for each constituent has been graphed for each well versus the respective MCL along with the Mann-Kendell trend graph.

A review of the data set indicates that none of the monitoring well sampling results for any radiological constituent approached or was near the MCL.

The results of the Mann-Kendell trend analysis for the Roubidoux HSU are provided in the table below. The Total Uranium results in monitoring well BR-10-RB have continued to indicate a downward trend, since the 3rd quarter of sampling.

**Table 4-2
Mann-Kendell Trend Analysis Results – Roubidoux HSU**

Well ID	Tc-99	Total U
BR-03R-RB	No Trend	No Trend
BR-04-RB	No Trend	No Trend
BR-08-RB	No Trend	No Trend
BR-10-RB	No Trend	Downward Trend
WS-04	No Trend	No Trend

4.3 Sand/Gravel HSU Data Set

The post-remediation monitoring wells which monitor the Sand/Gravel HSU were sampled for the 6th quarter between August 17 and August 30, 2017. The data set is provided in Attachment 1, *Post-Remediation Groundwater Monitoring 6th Quarter Results*. In Attachment 2, the data set for each constituent has been graphed for each well versus the respective MCL along with the Mann-Kendell trend graph.

A review of the data set indicates that none of the monitoring well sampling results for any radiological constituent approached or was near the MCL.

The results of the Mann-Kendell trend analysis for the Sand Gravel HSU are provided in the table below. An upward trend for Tc-99 was indicated in monitoring well GW-CC and an upward trend in Total U was indicated in monitoring well GW-HH. In each case, the detected concentration was at a very low percentage of the MCL, at levels of 7.46 pCi/l Tc-99 and 6.95 pCi/l Total-U. There were downward trends indicated in monitoring wells GW-JJ, NB-35, and NB-80 for total Uranium and in monitoring well GW-X for Technetium-99.

Table 4-3
Mann-Kendell Trend Analysis Results – Sand Gravel HSU

Well ID	Tc-99	Total U
GW-BB	No Trend	No Trend
GW-CC	Upward Trend	No Trend
GW-DD	No Trend	No Trend
GW-EE	No Trend	No Trend
GW-FF	No Trend	No Trend
GW-GG	No Trend	No Trend
GW-HH	No Trend	Upward Trend
GW-II	No Trend	No Trend
GW-JJ	No Trend	Downward Trend
GW-V	No Trend	No Trend
GW-W	No Trend	No Trend
GW-X	Downward Trend	No Trend
GW-Y	No Trend	No Trend
NB-34	No Trend	No Trend
NB-35	No Trend	Downward Trend
NB-71	No Trend	No Trend
NB-80	No Trend	Downward Trend
PZ-02	No Trend	No Trend

4.4 HSU Groundwater Elevation Contour Maps

The groundwater elevation contour maps indicating elevation above mean sea level for the Jefferson City-Cotter HSU, Roubidoux HSU and the Sand/Gravel HSU for the 6th quarter post-remediation monitoring period are provided in Attachment 3.

5.0 SUMMARY

There were no indications of ROCs above the MCLs in the Jefferson City-Cotter HSU and the Roubidoux HSU.

There was no indication of ROCs above the MCL in the Sand/Gravel HSU. As summarized in FSSFR Volume 6, Chapter 1, Revision 1, the Sand/Gravel HSU contains contamination in the form of leachate which is not usable groundwater. As the source term has been removed in the Sand/Gravel HSU during the remediation of the site it is not anticipated that there will be an overall upward trend and the conclusion of the post-remediation groundwater monitoring period. The sample data for the sampling that was conducted prior to and during the remediation of the site currently support the conclusion that remediation activities did not impact groundwater. The dose associated with groundwater remains at the estimated level of 0.68 mrem/year or less.

Attachment 1

Post-remediation Groundwater Monitoring 6th Quarter Results

**Attachment 1
Post-remediation Groundwater Monitoring 6th Quarter Results**

JEFFERSON CITY – COTTER HSU												
Well ID	Tc-99 pCi/L			U-233/234 pCi/L			U-235/236 pCi/L			U-238 pCi/L		
	Result	MDC	Error	Result	MDC	Error	Result	MDC	Error	Result	MDC	Error
BR-04-JC	-1.66	2.12	1.19	2.96	0.0825	0.429	0.0584	0.0704	0.0582	0.447	0.0754	0.143
BR-13-JC	-0.666	2.03	1.17	3.98	0.0693	0.529	0.0393	0.0393	0.0455	0.208	0.0776	0.0991
BR-14-JC	-1.57	2.02	1.14	3.11	0.123	0.444	0.042	0.102	0.0603	0.463	0.0746	0.145
BR-15-JC	-1.06	1.99	1.13	1.56	0.102	0.285	0.0197	0.0688	0.0368	0.271	0.0657	0.109
BR-16-JC	-0.989	1.96	1.12	3.46	0.094	0.477	0.071	0.0703	0.0635	0.543	0.0671	0.157
BR-17-JC	-1.42	1.99	1.12	3.61	0.103	0.497	0.0739	0.0732	0.0661	0.22	0.0783	0.102
BR-18-JC	-0.762	2.14	1.23	2.39	0.0799	0.369	0.00206	0.0812	0.0287	0.214	0.0547	0.095
BR-19-JC	-0.783	2.05	1.18	5.84	0.088	0.682	0.0834	0.0357	0.0634	0.479	0.0628	0.143

ROUBIDOUX HSU												
Well ID	Tc-99 pCi/L			U-233/234 pCi/L			U-235/236 pCi/L			U-238 pCi/L		
	Result	MDC	Error	Result	MDC	Error	Result	MDC	Error	Result	MDC	Error
BR-03R-RB	-0.189	2	1.17	2.01	0.101	0.338	0.0389	0.0389	0.045	0.107	0.0838	0.0746
BR-04-RB	-1.2	2.07	1.18	2.53	0.126	0.382	0.0447	0.088	0.0562	0.23	0.0927	0.103
BR-08-RB	-1.3	2.02	1.14	4.9	0.052	0.595	0.0722	0.077	0.0638	0.33	0.0617	0.117
BR-10-RB	-0.809	2.05	1.17	3.08	0.0651	0.435	0.0123	0.037	0.0247	0.154	0.0546	0.0805
WS-04	-1	2.35	1.34	1.35	0.101	0.267	0.0389	0.0389	0.045	0.533	0.0837	0.159

**Attachment 1
Post-remediation Groundwater Monitoring 6th Quarter Results**

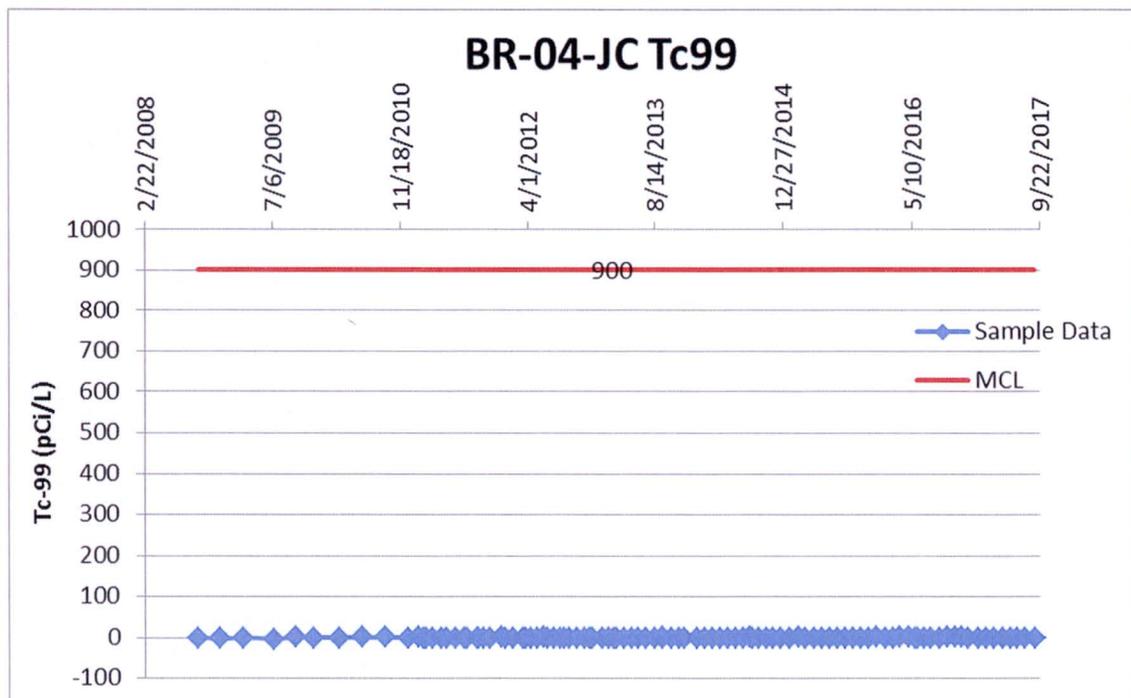
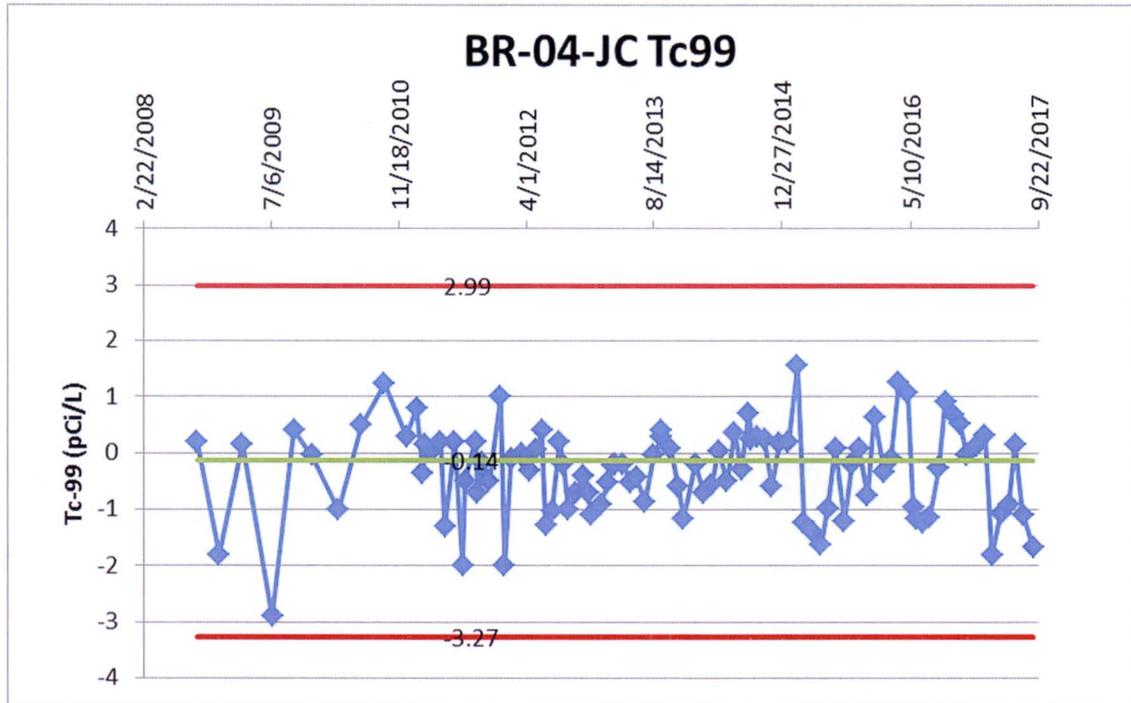
SAND/GRAVEL HSU												
Well ID	Tc-99 pCi/L			U-233/234 pCi/L			U-235/236 pCi/L			U-238 pCi/L		
	Result	MDC	Error	Result	MDC	Error	Result	MDC	Error	Result	MDC	Error
GW-BB	-0.979	2.29	1.31	0.0468	0.0956	0.0591	0.0151	0.0851	0.0397	0.0476	0.0574	0.0474
GW-CC	7.46	2.05	1.61	0.777	0.124	0.203	0.0237	0.0999	0.0508	0.616	0.0801	0.174
GW-DD	3.35	1.97	1.32	-0.016	0.126	0.0535	0.0328	0.088	0.0508	0.0199	0.0927	0.0477
GW-EE	1.9	2.4	1.49	0.309	0.054	0.114	-0.0152	0.0897	0.0176	0.0382	0.0843	0.0512
GW-FF	1.16	2	1.23	0.625	0.0772	0.172	-0.00108	0.113	0.0441	0.233	0.0841	0.106
GW-GG	-1.35	2.12	1.2	0.0117	0.0994	0.0481	0.0136	0.0769	0.0358	0.0086	0.0811	0.0369
GW-HH	-0.999	1.99	1.13	5.61	0.121	0.67	0.134	0.0916	0.0886	1.21	0.121	0.248
GW-II	-0.648	2.05	1.18	-0.0142	0.0872	0.0271	0.00688	0.0652	0.0256	0.0371	0.0819	0.0497
GW-JJ	4.13	2.01	1.38	0.0674	0.0718	0.0595	0	0.0408	0.0113	0.0545	0.0327	0.049
GW-V	3.5	2.05	1.36	0.068	0.0743	0.0591	-0.0418	0.127	0.0298	-0.0302	0.118	0.0407
GW-W	0.461	2.17	1.29	0.049	0.112	0.0666	0.0021	0.083	0.0293	0.0413	0.0981	0.0581
GW-X	56.8	1.96	5.99	0.0378	0.0597	0.0421	0.0226	0.0339	0.032	0.043	0.0668	0.0464
GW-Y	2.78	2.05	1.33	0.349	0.0797	0.125	-0.00513	0.068	0.0103	0.254	0.0728	0.106
NB-34	2.37	2.25	1.42	0.17	0.0668	0.0833	0.0225	0.0338	0.0319	0.124	0.0667	0.072
NB-35	0.703	2.05	1.23	0.0362	0.0558	0.0414	0.0126	0.0377	0.0251	0.0101	0.0302	0.0202
NB-71	-1.22	1.98	1.12	0.00401	0.11	0.0506	-0.00499	0.0662	0.01	0.036	0.0709	0.0453
NB-80	-1.56	1.97	1.11	0.091	0.0883	0.0708	0.00741	0.0702	0.0275	0.0526	0.067	0.0515
PZ-02	4.23	2.02	1.39	0.0513	0.0775	0.0535	0.00698	0.0662	0.0259	0.0152	0.0531	0.0283

Attachment 2

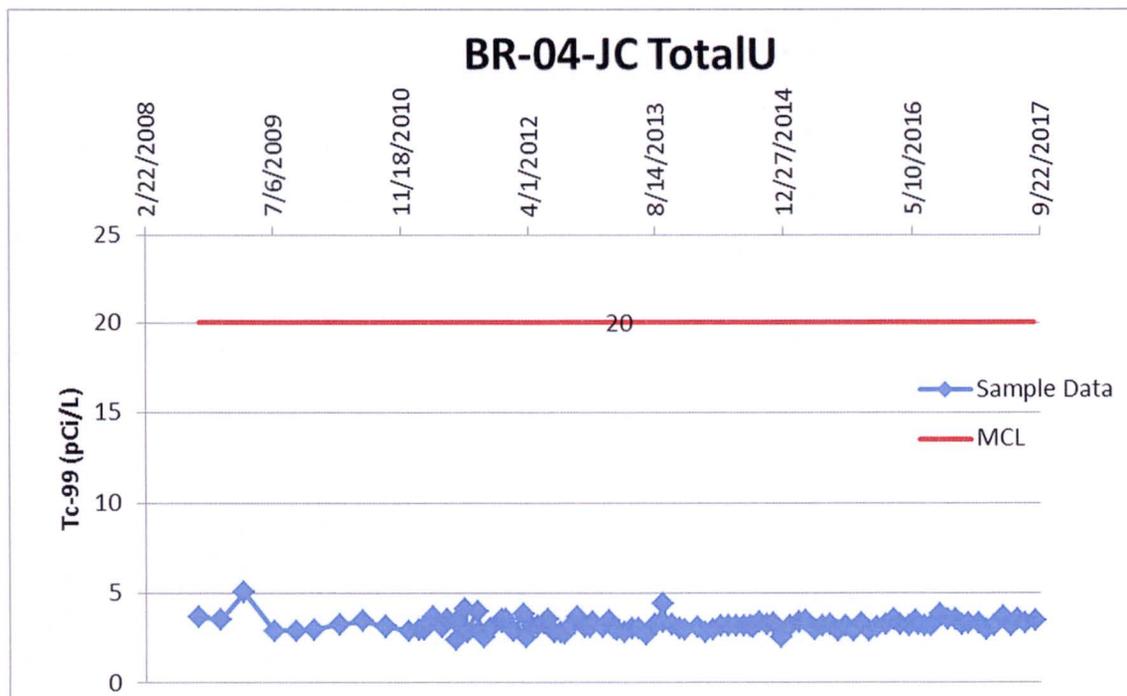
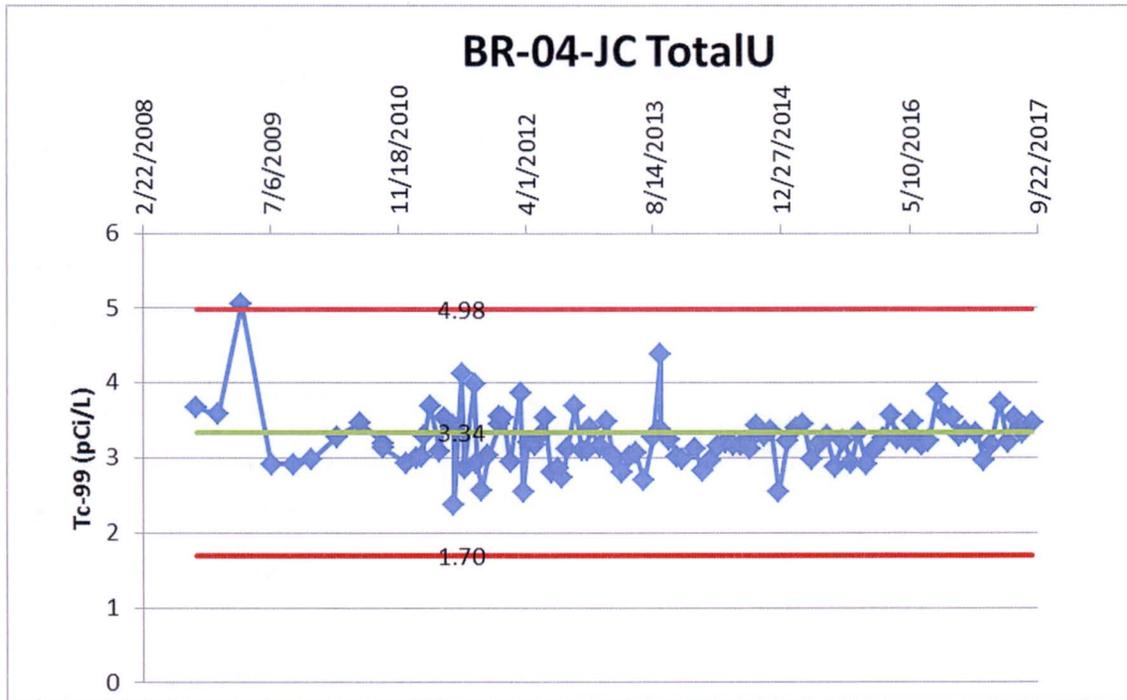
Mann-Kendall Analysis and Sample Results Graphs

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Mann-Kendall Analysis and Sample Results Graphs**

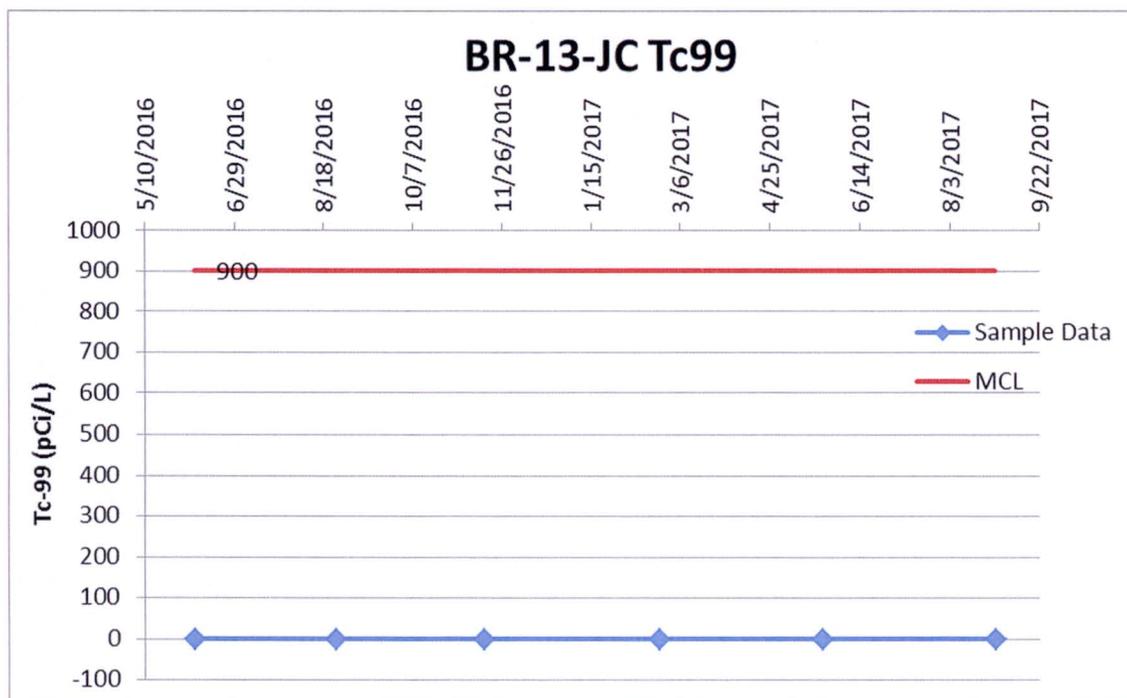
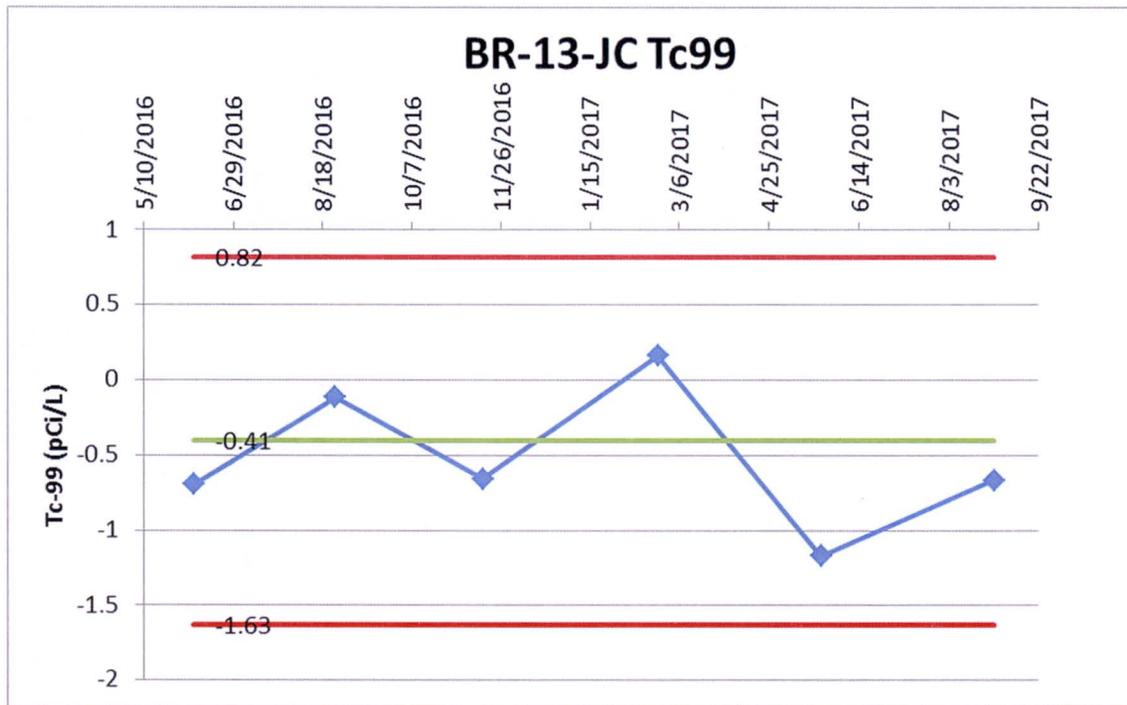
JEFFERSON CITY – COTTER HSU



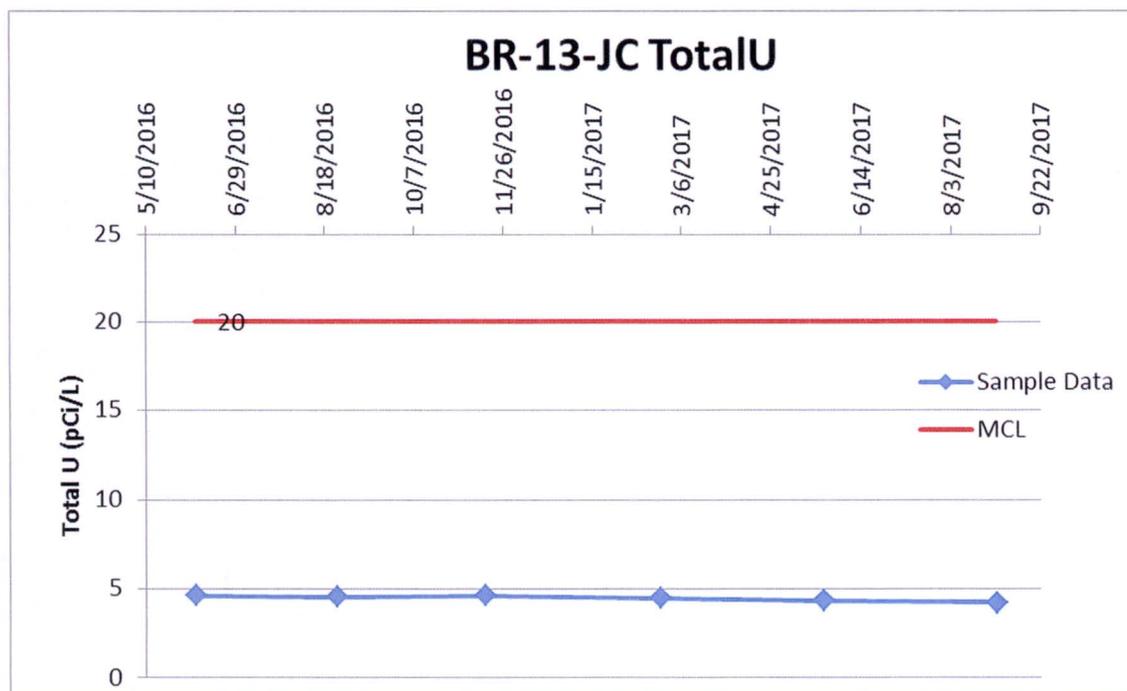
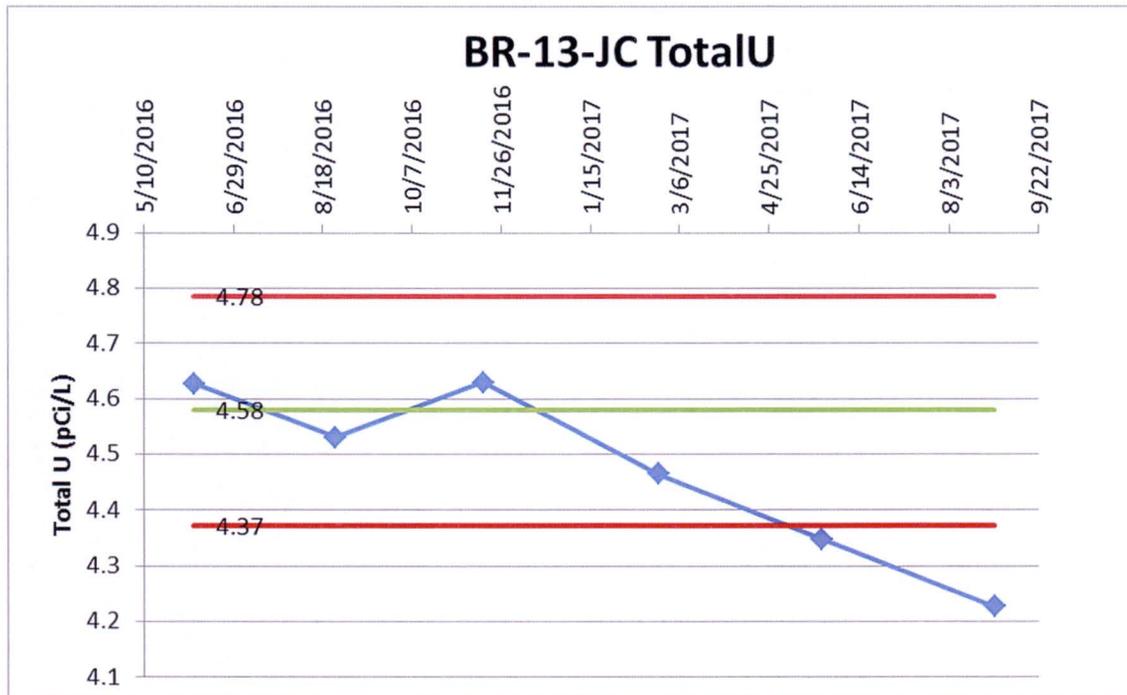
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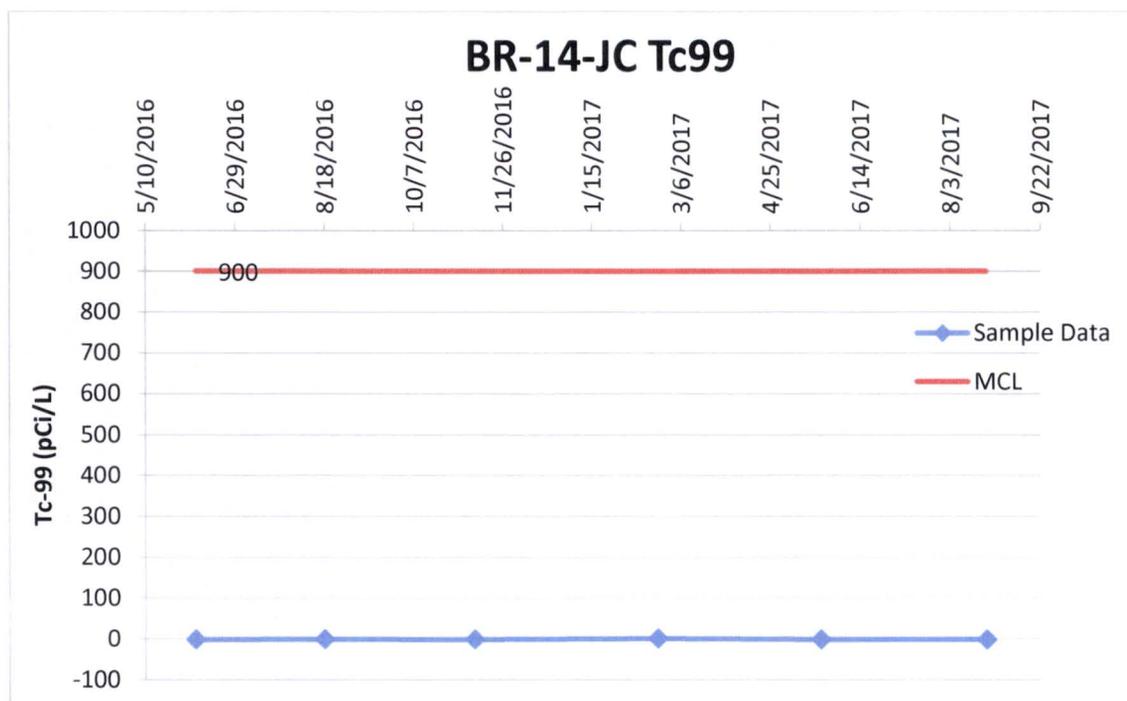
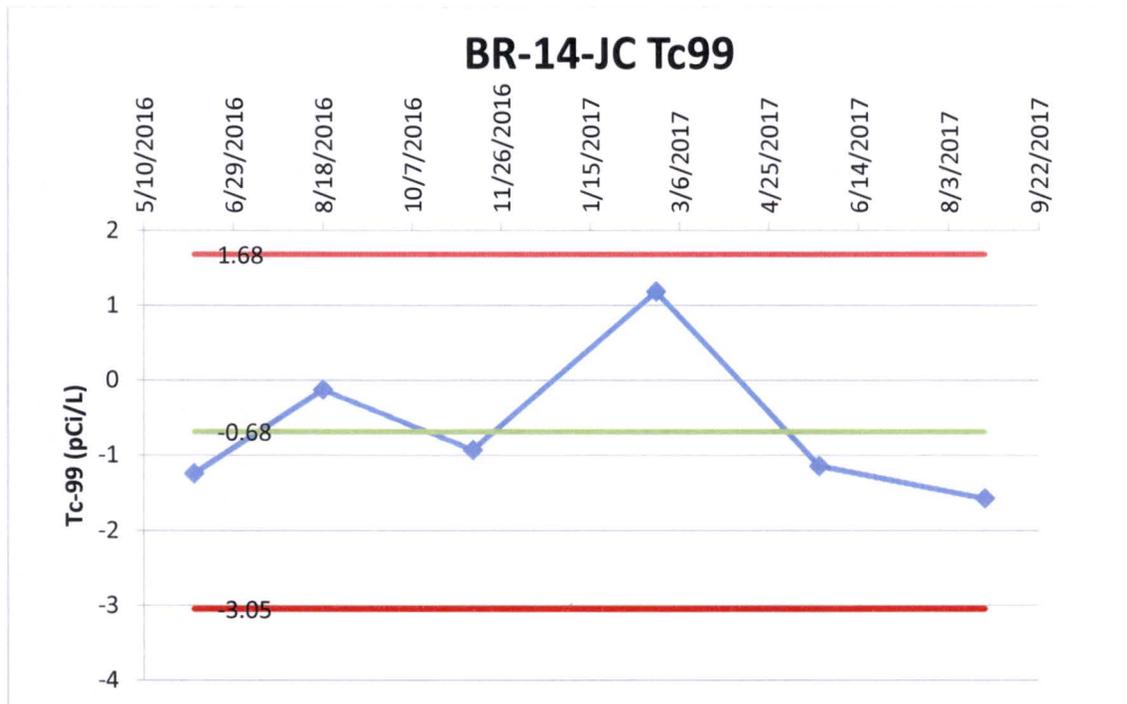
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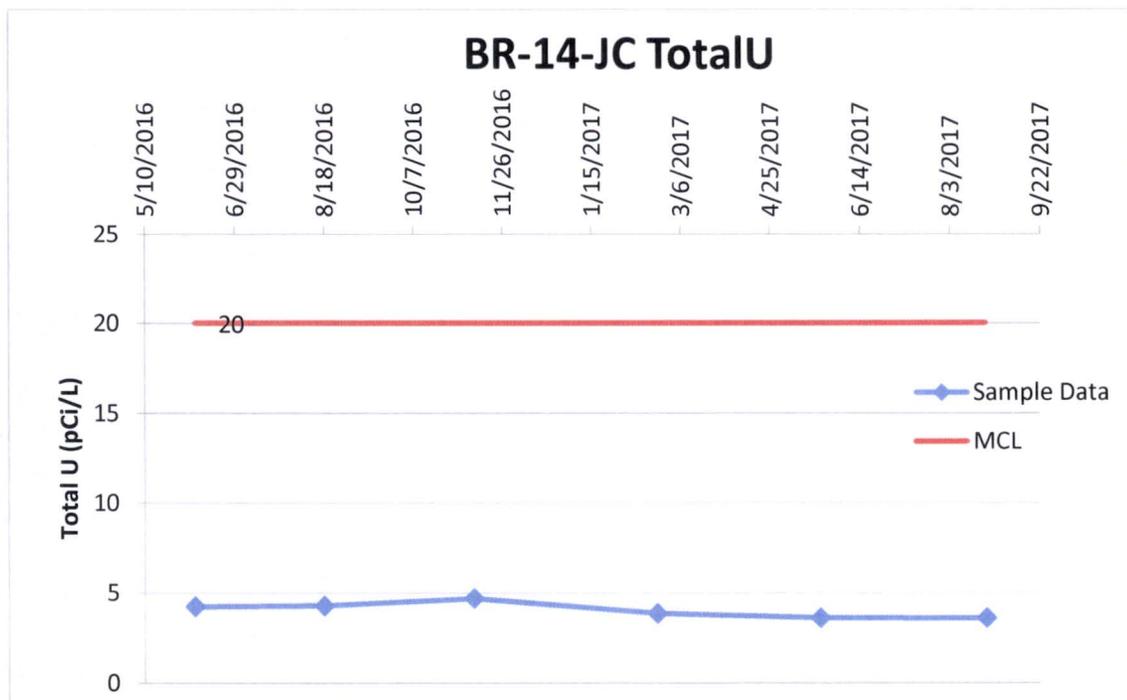
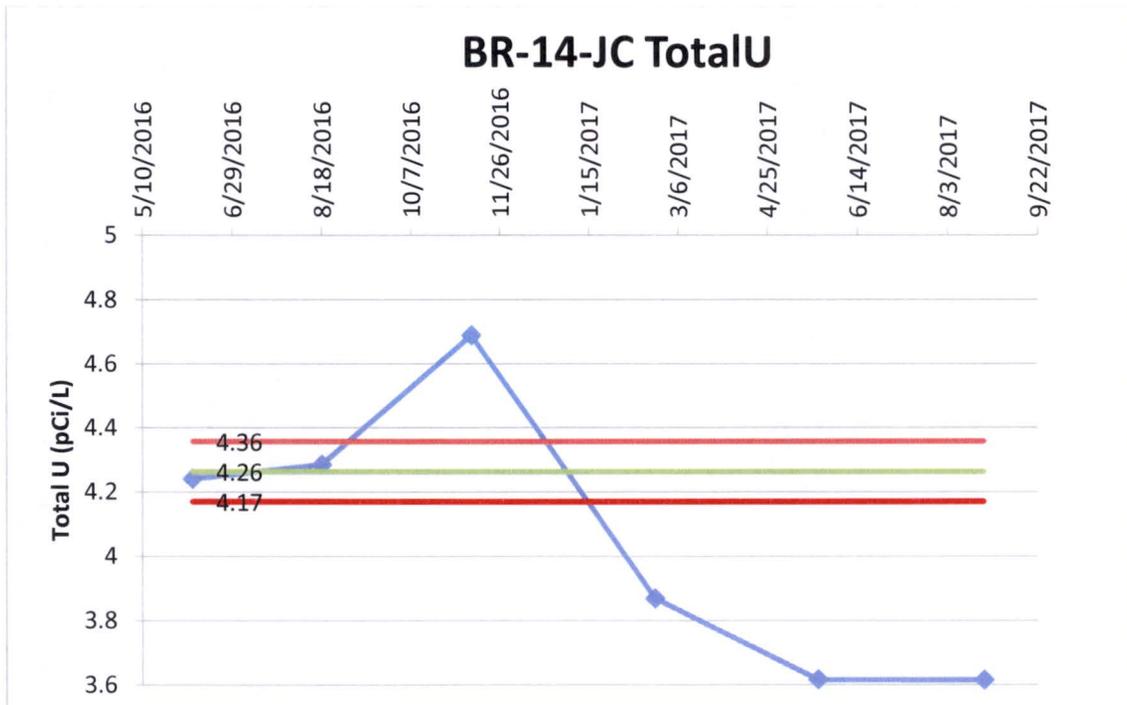
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Mann-Kendall Analysis and Sample Results Graphs
JEFFERSON CITY – COTTER HSU



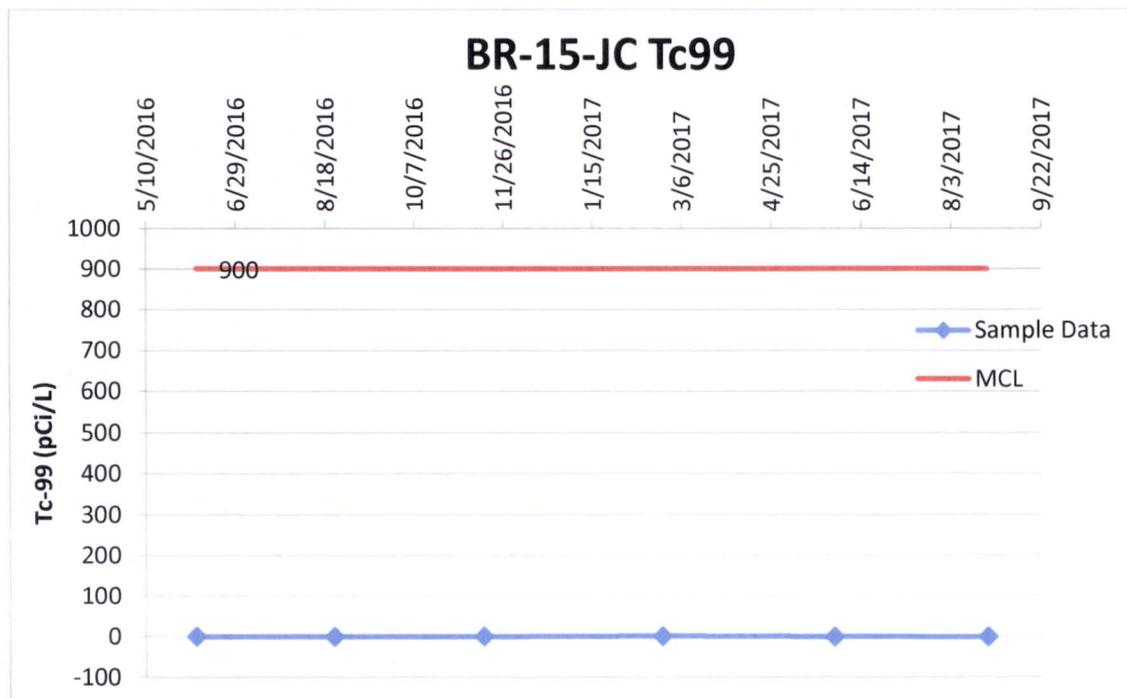
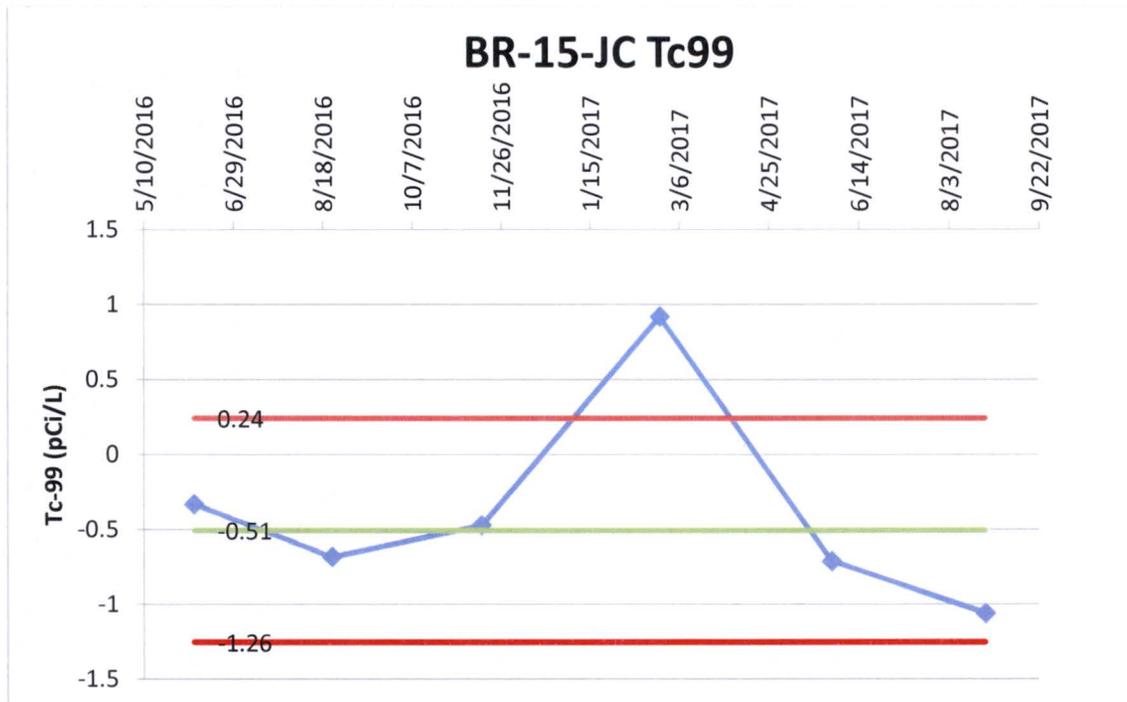
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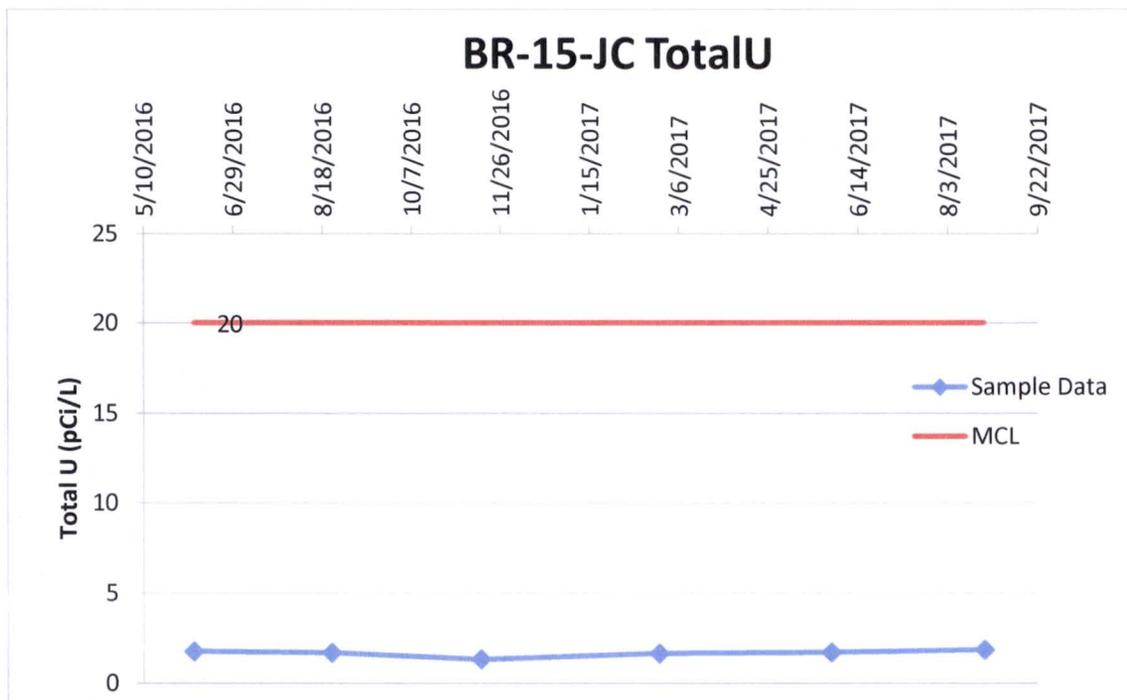
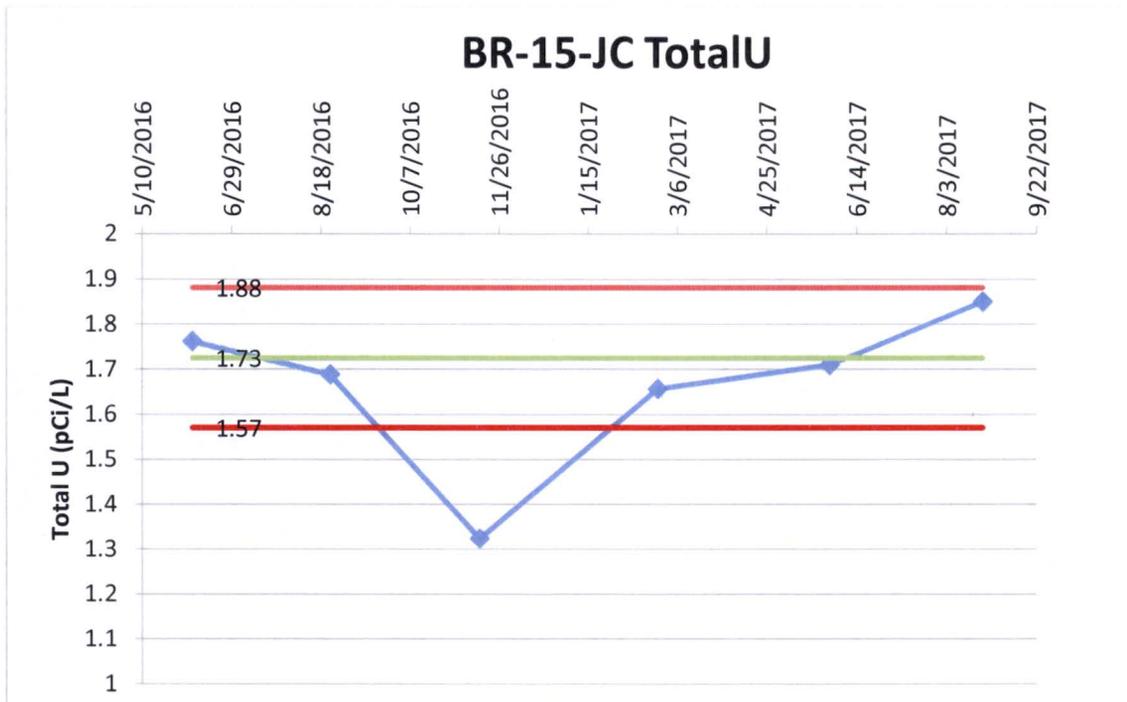
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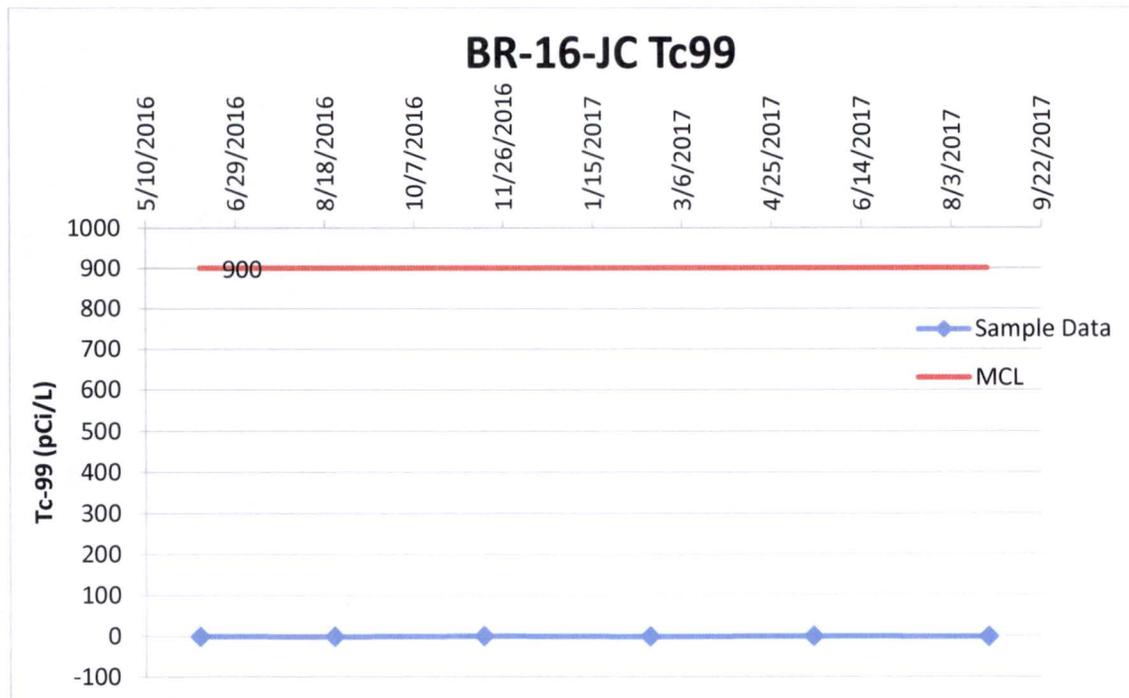
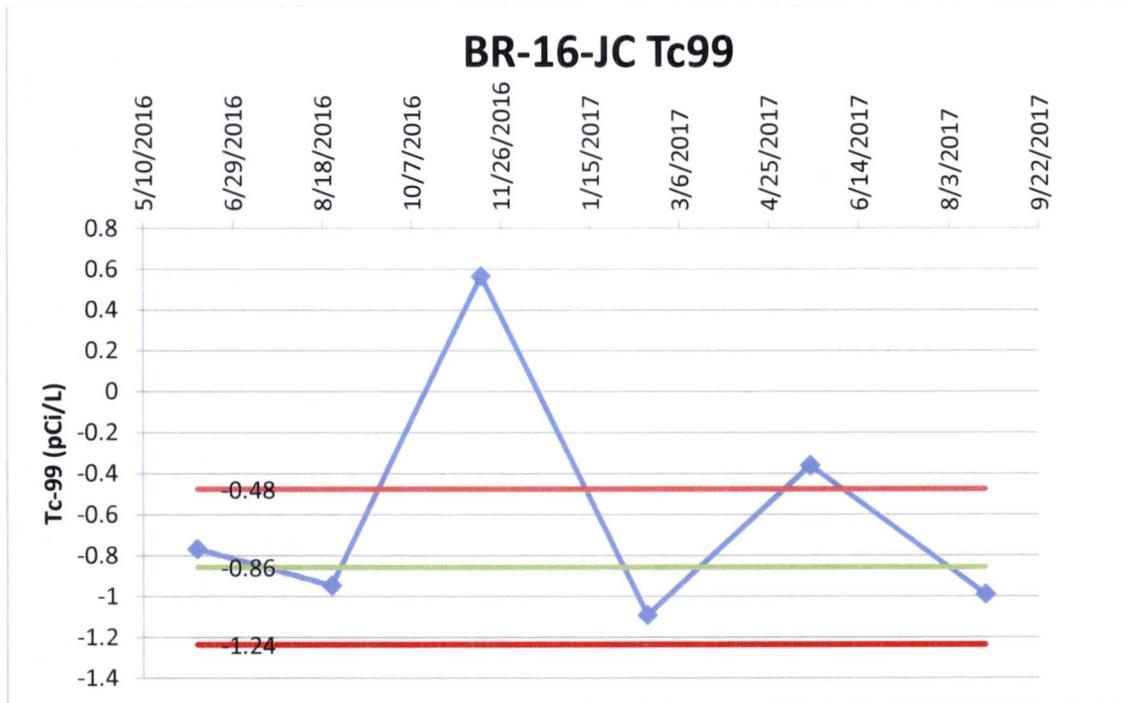


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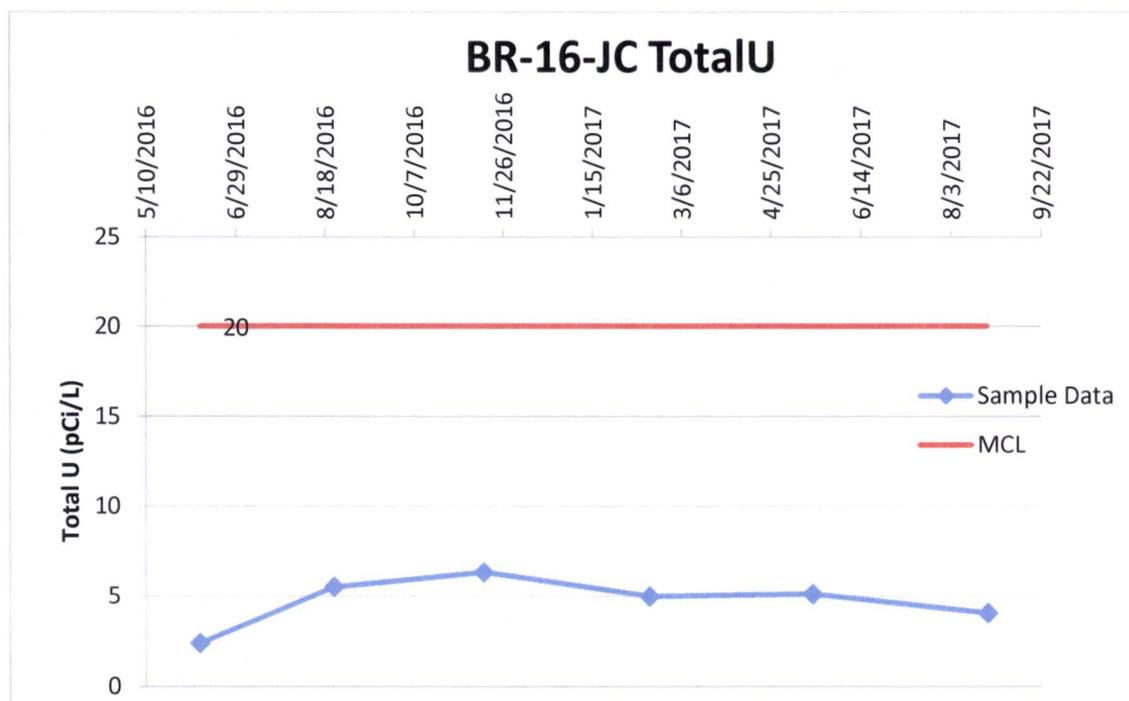
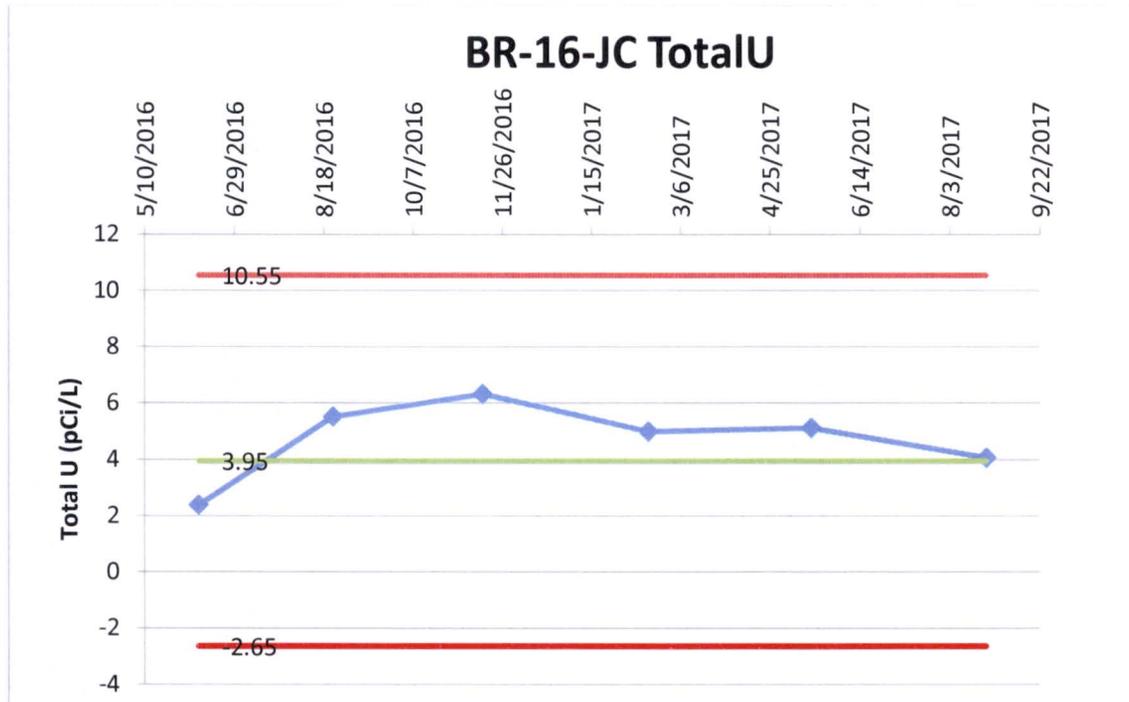


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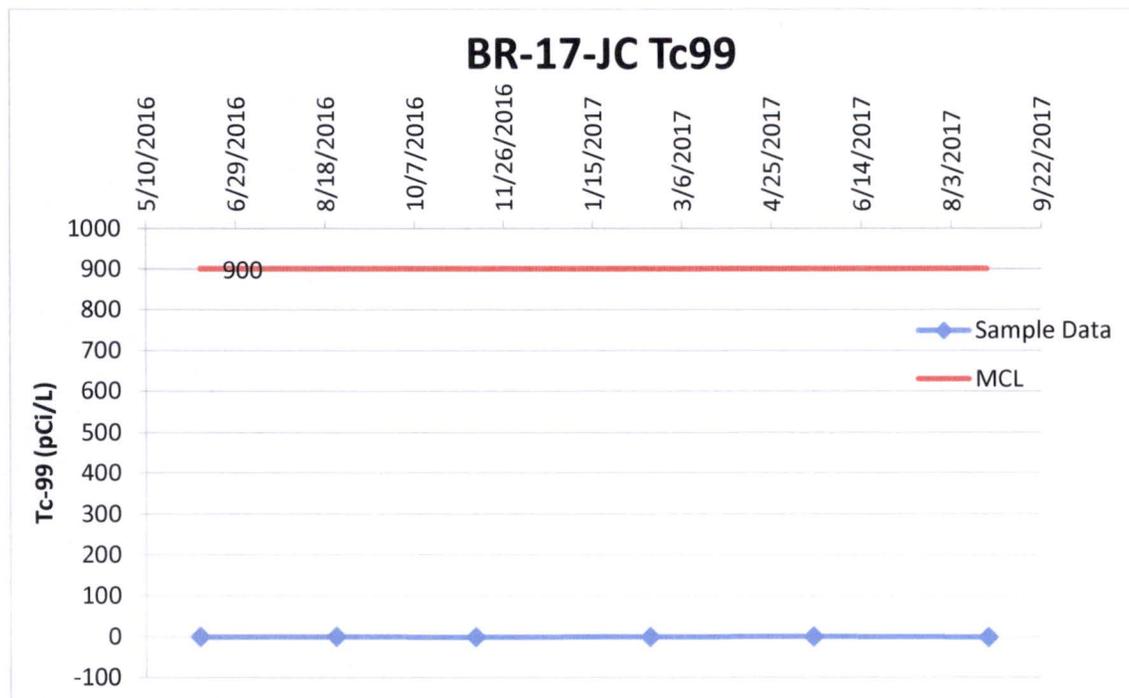
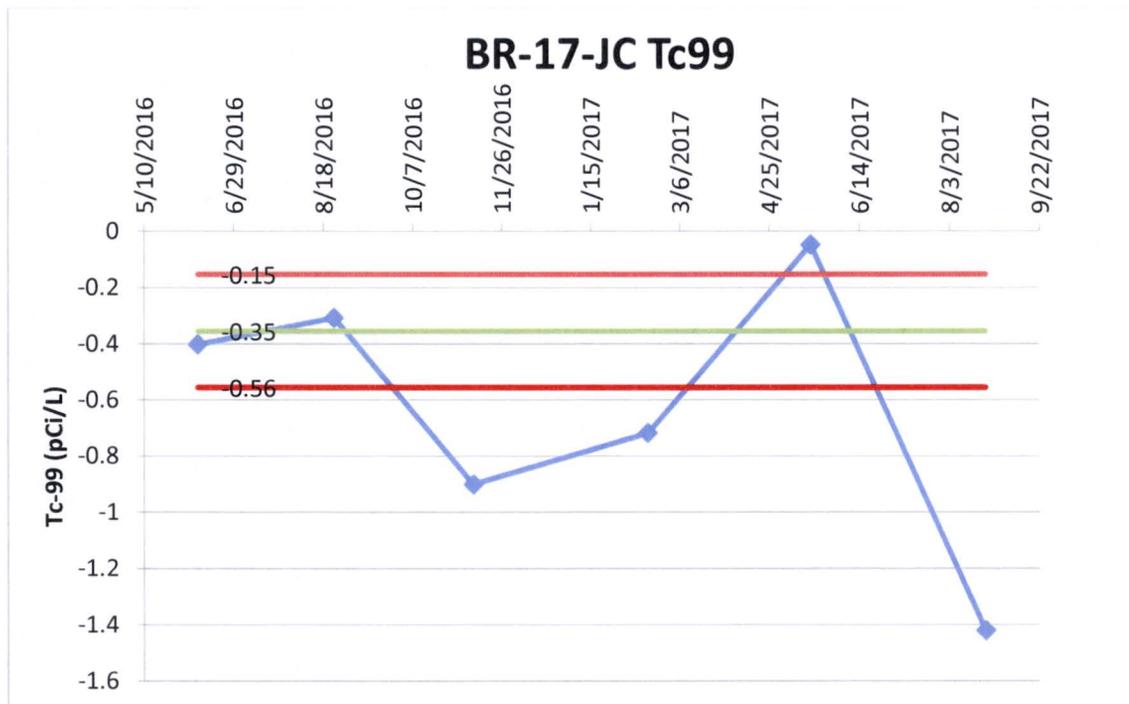
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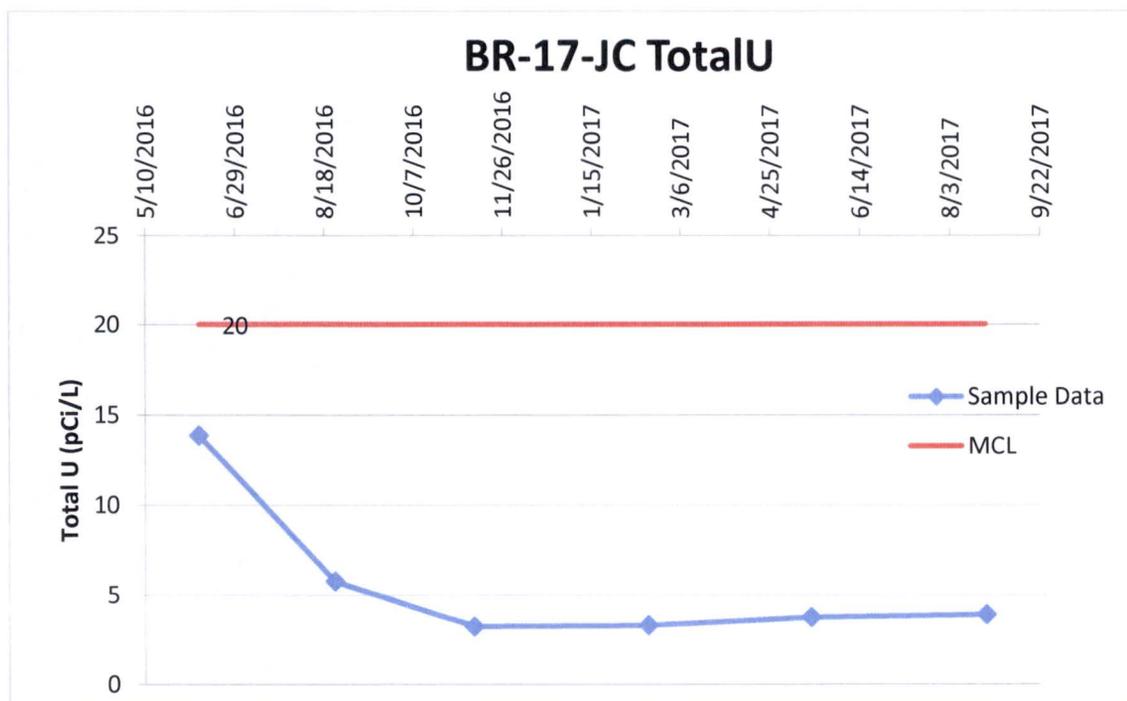
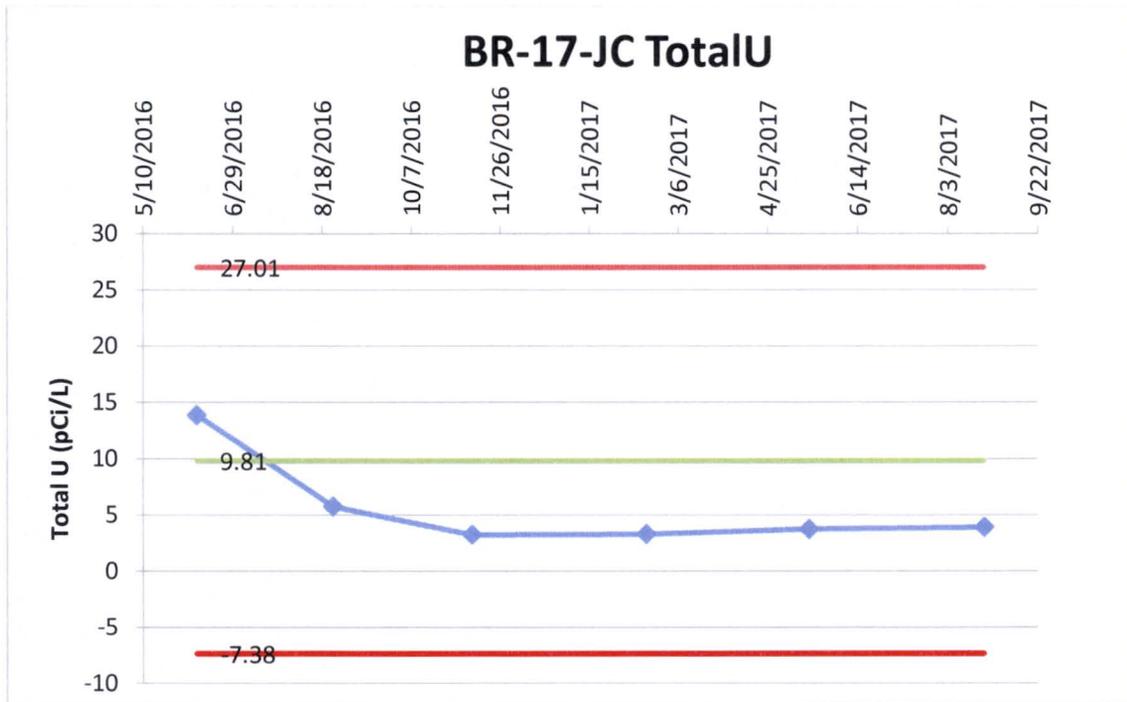
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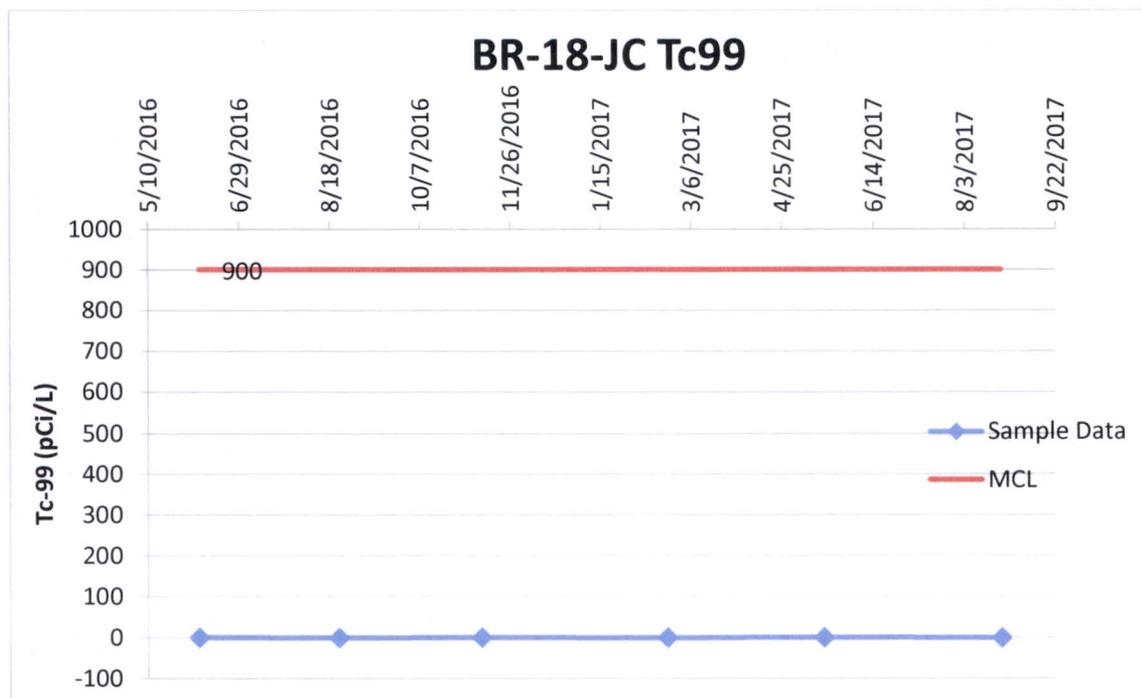
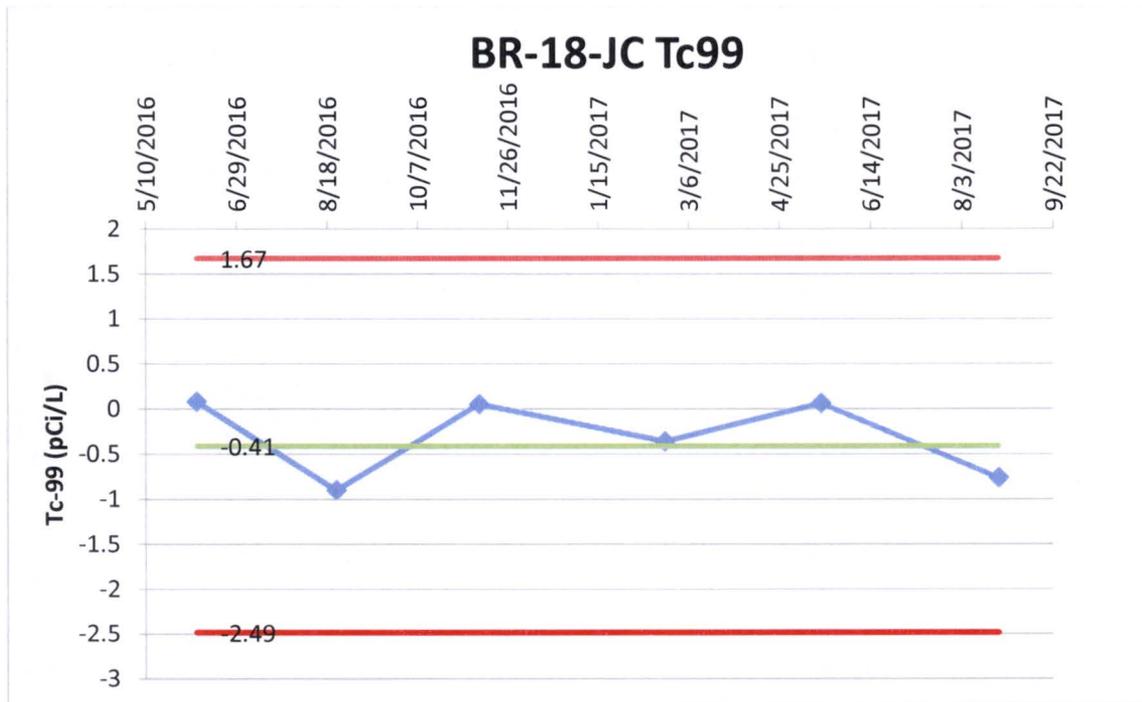
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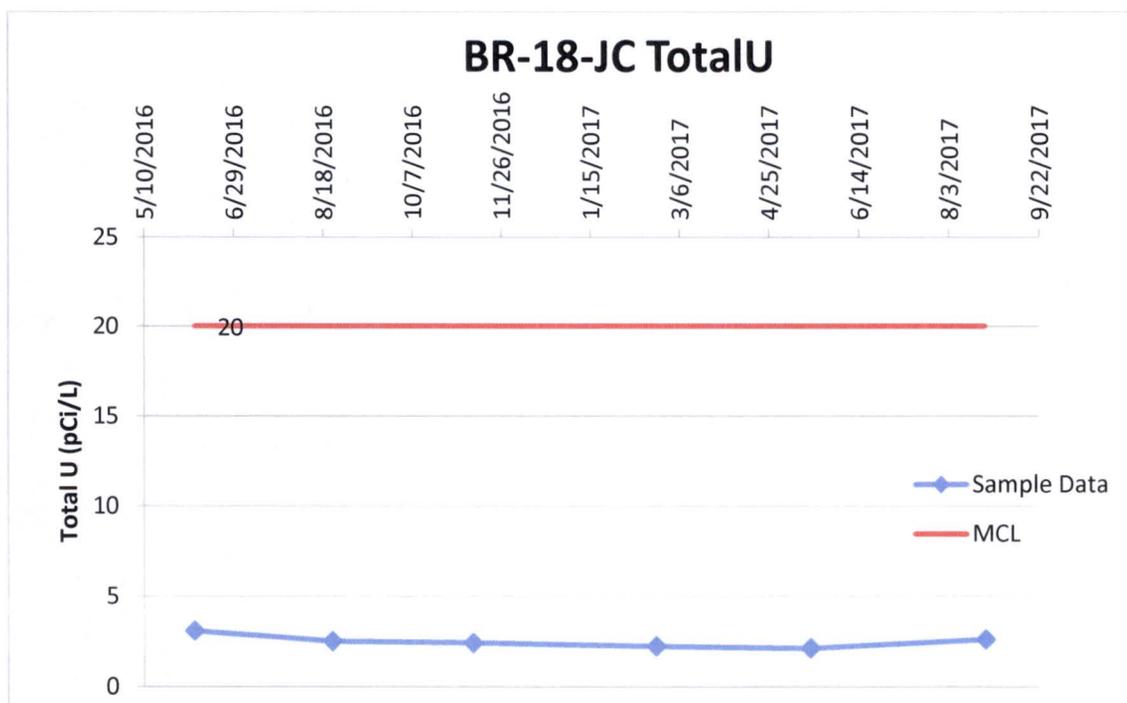
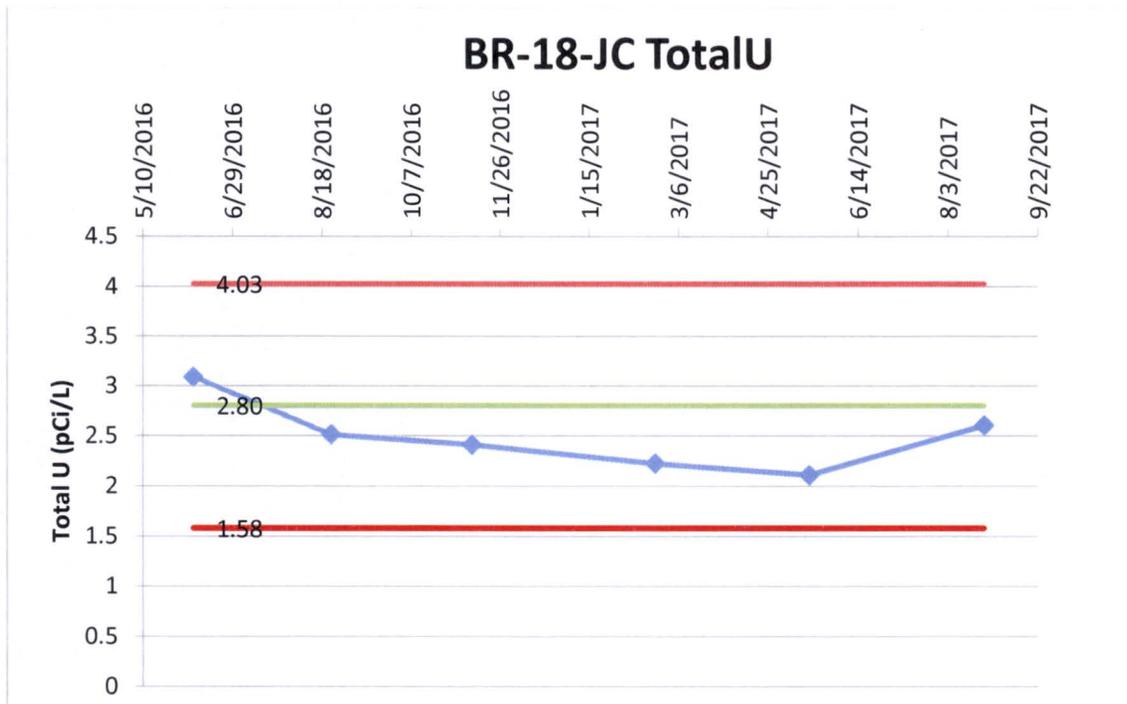
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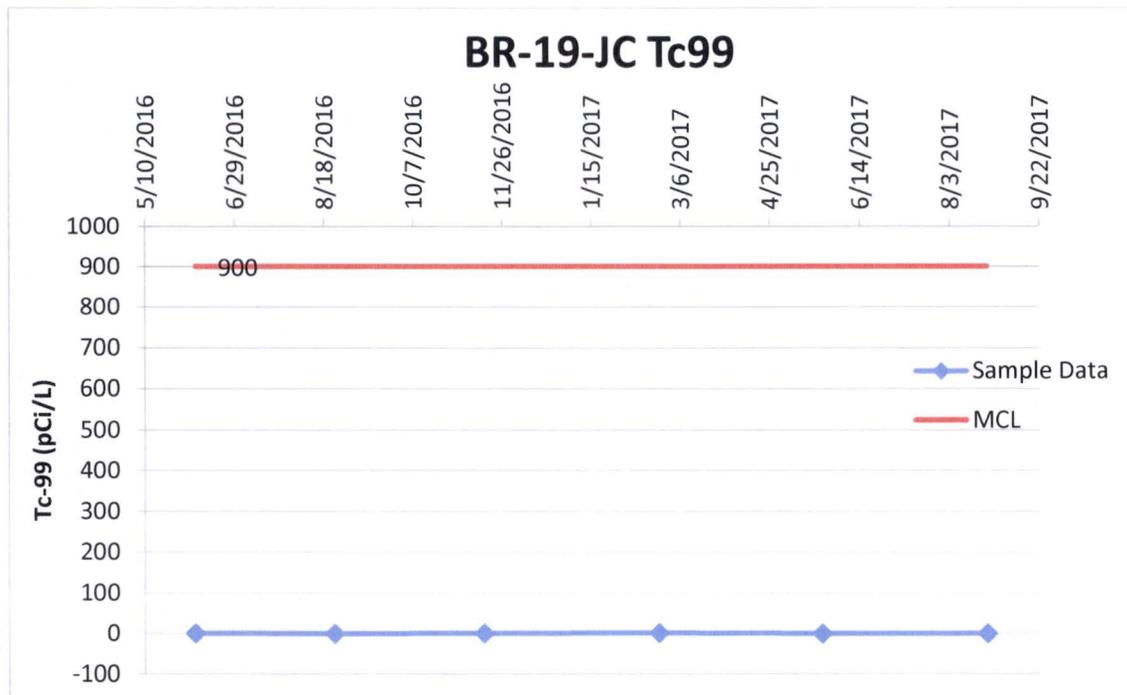
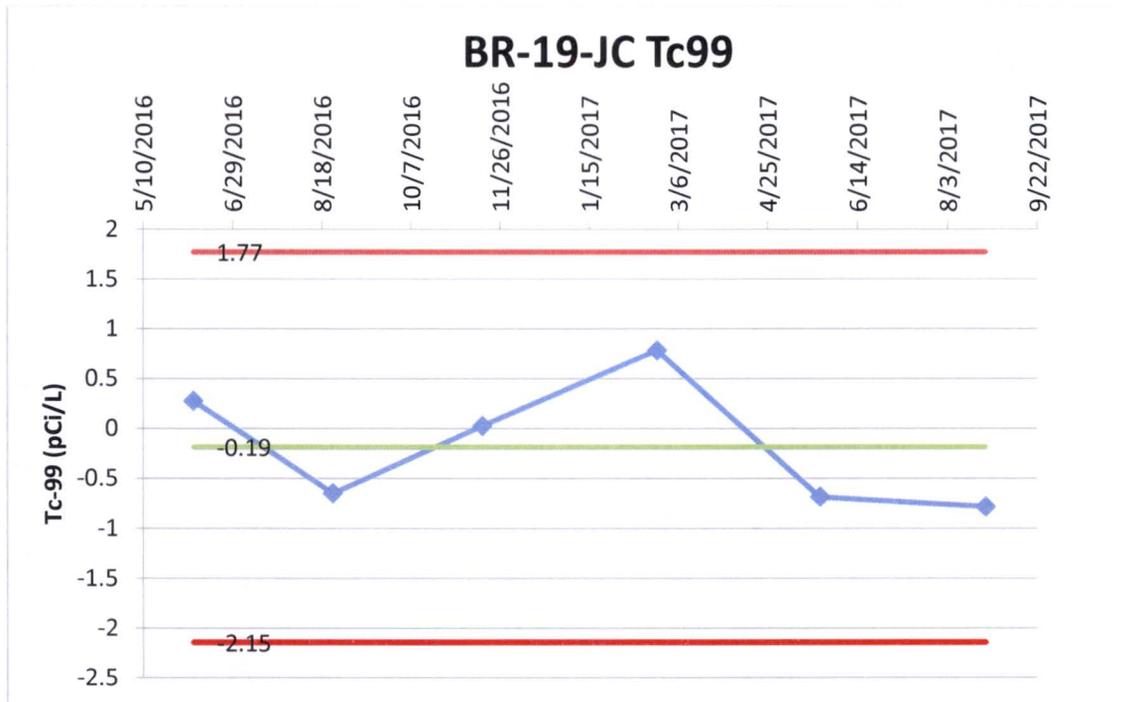
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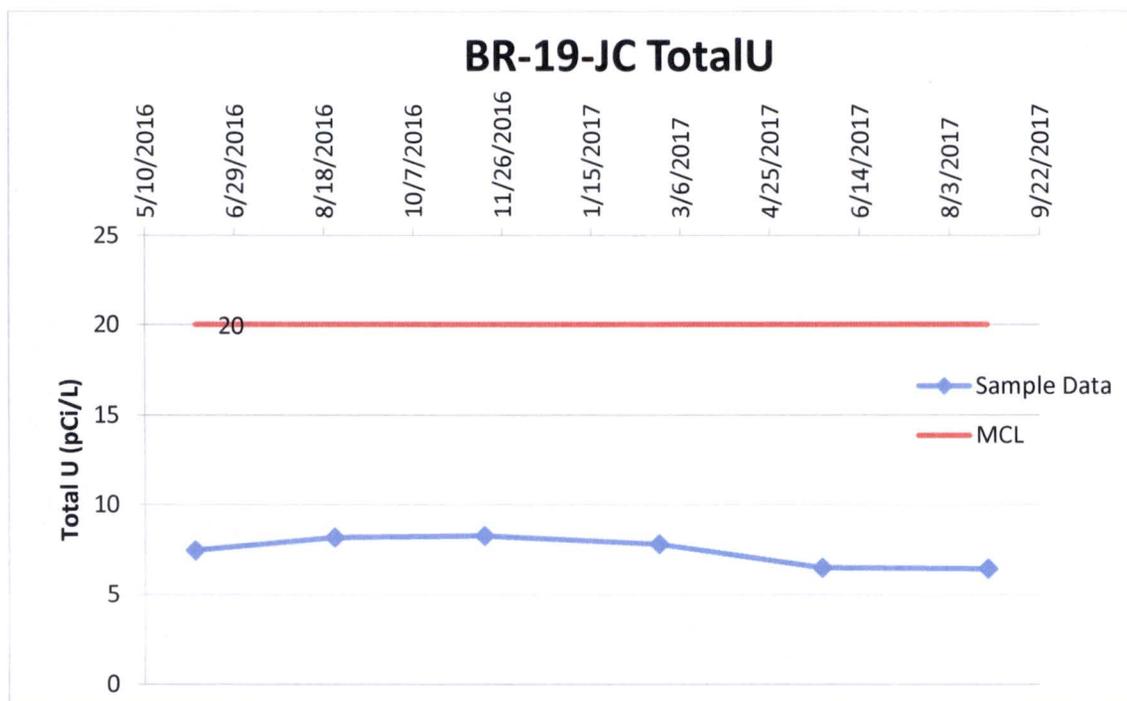
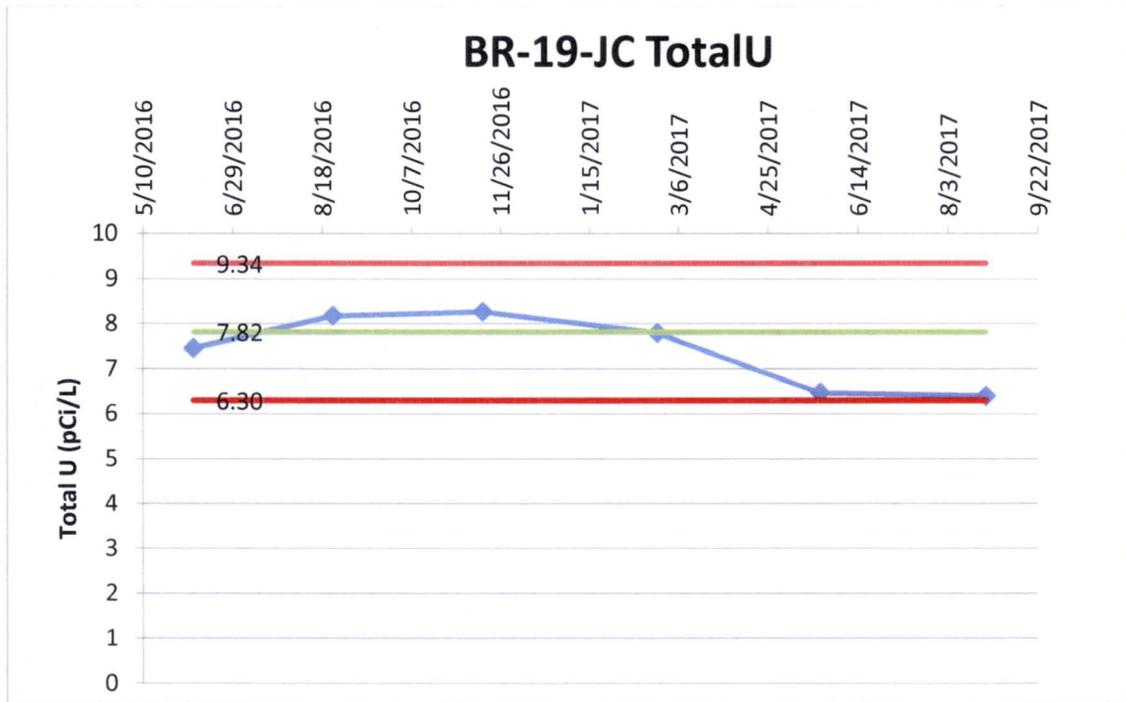
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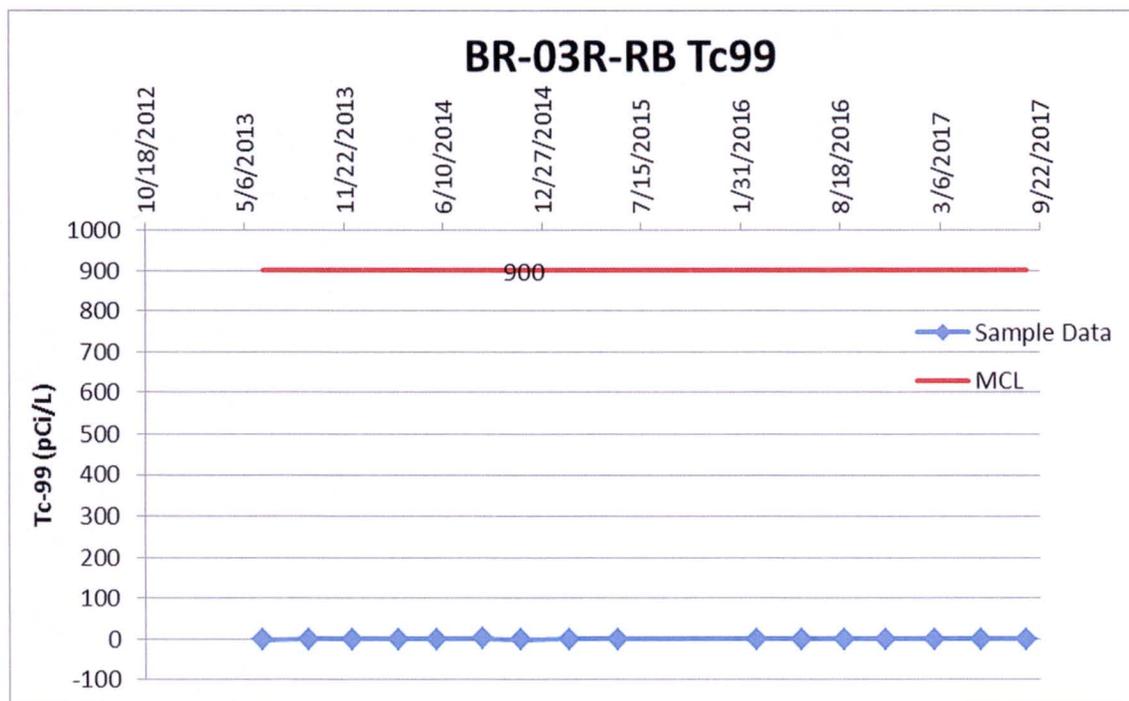
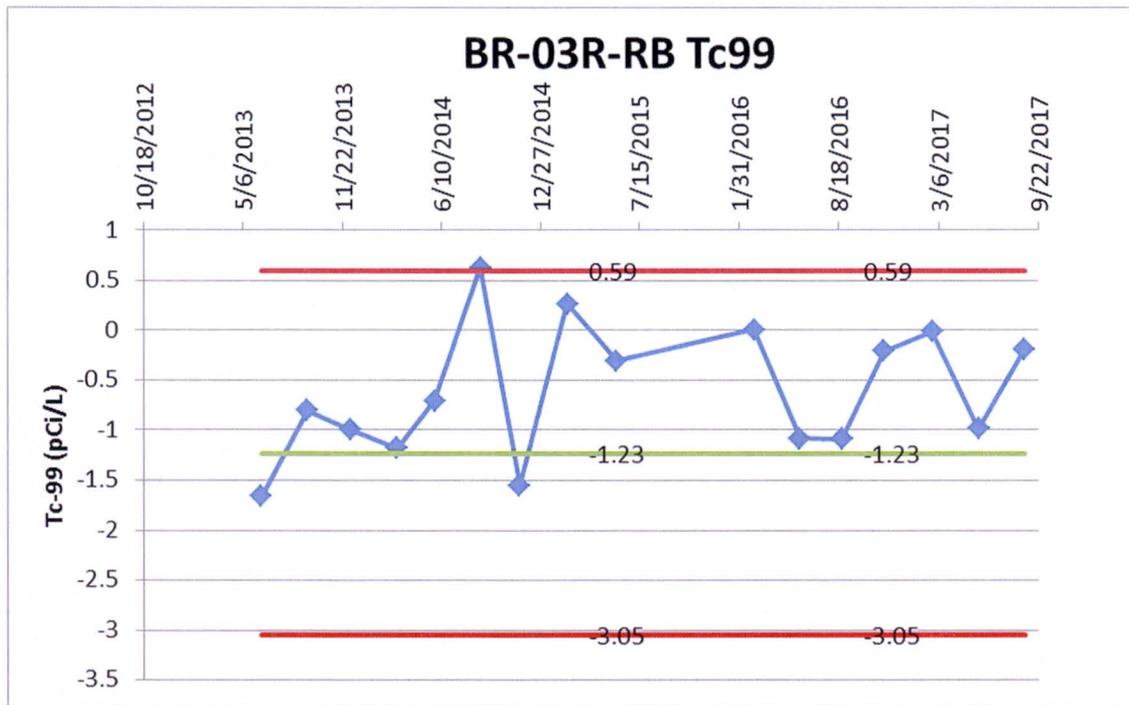
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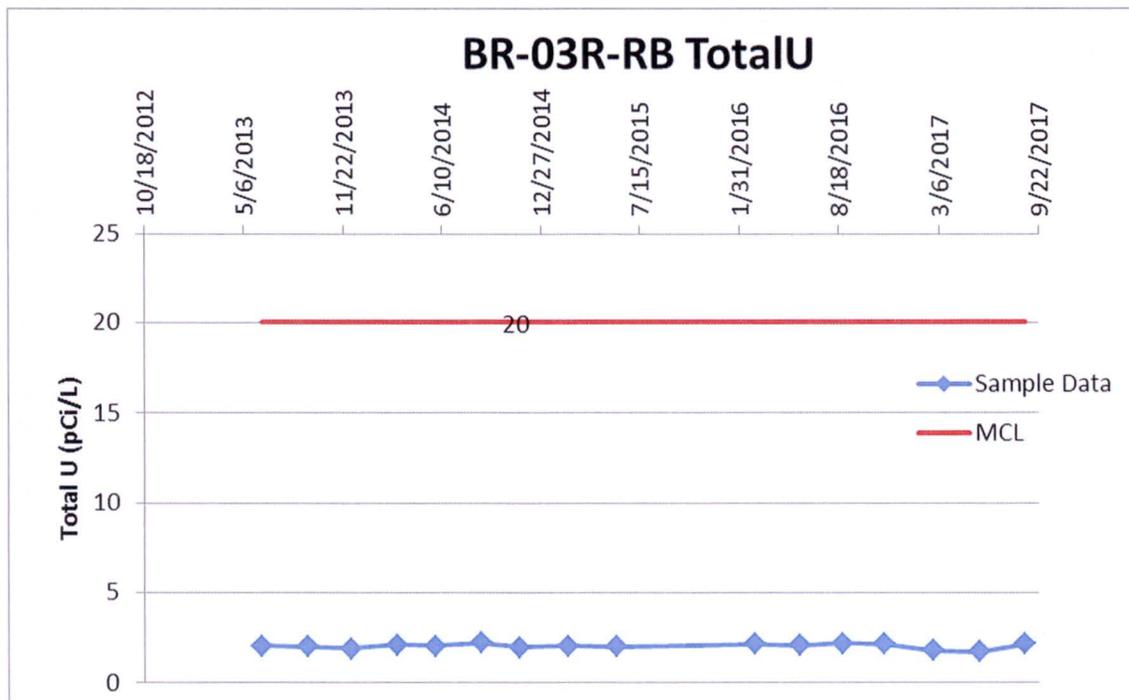
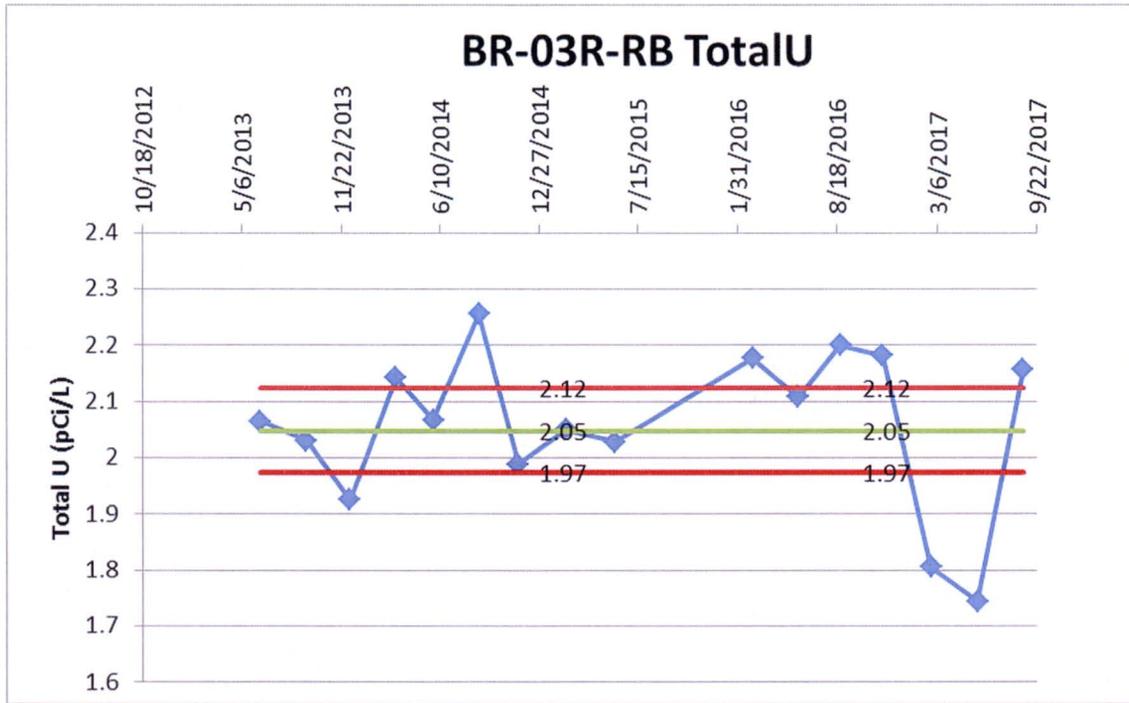
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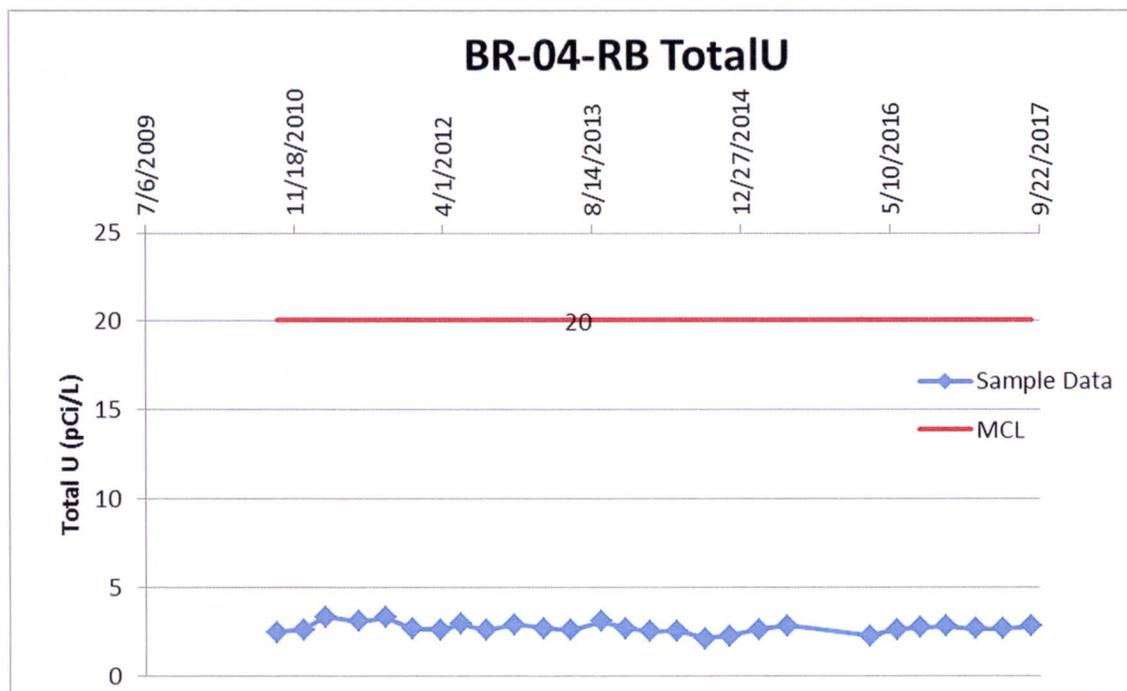
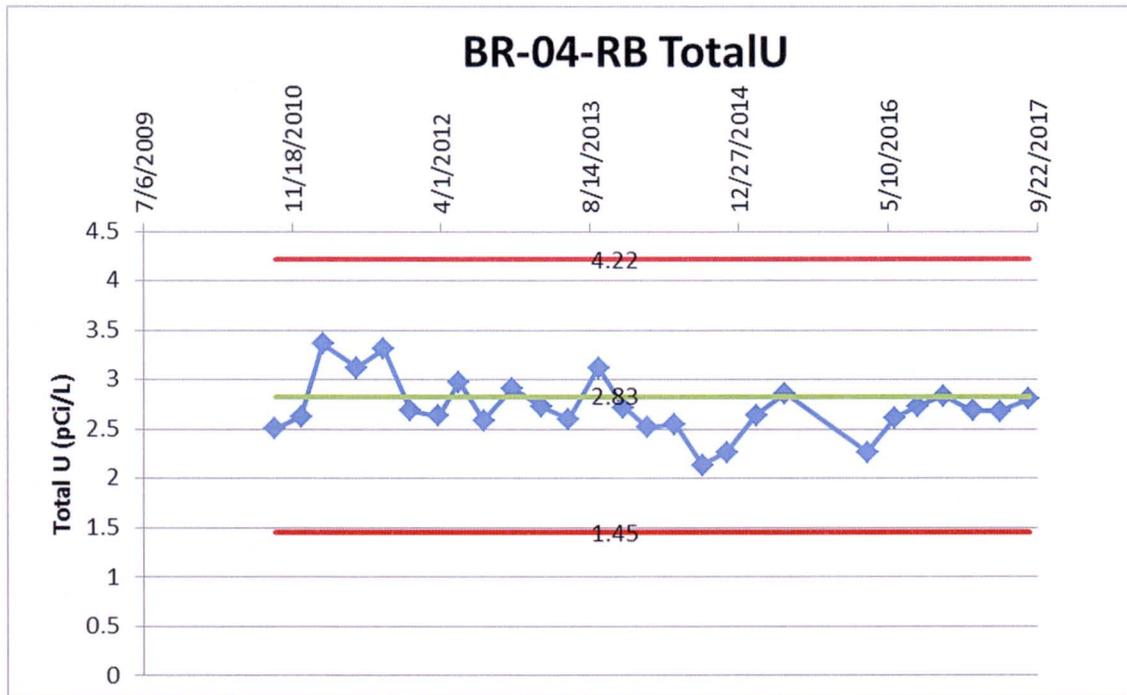
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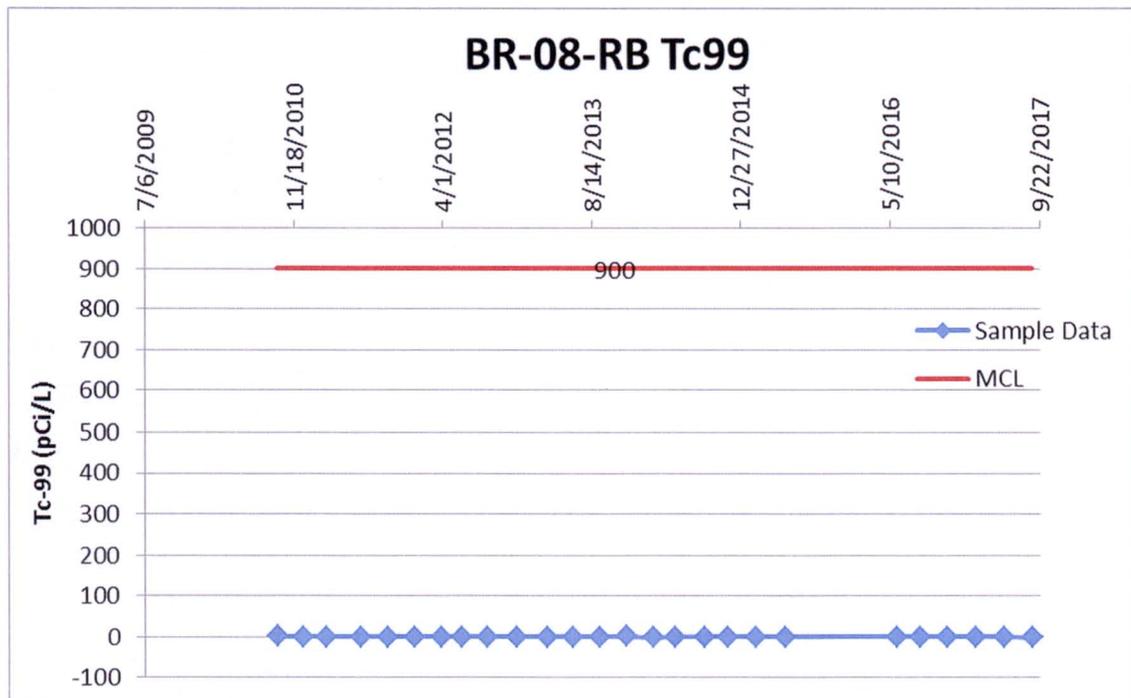
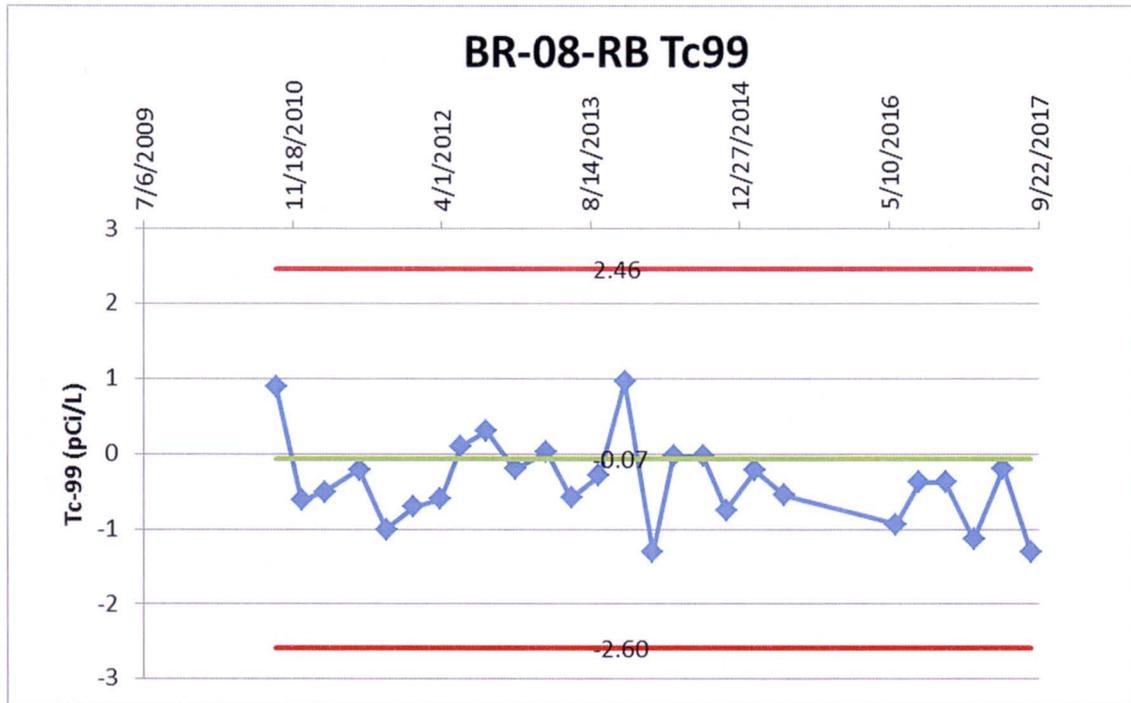
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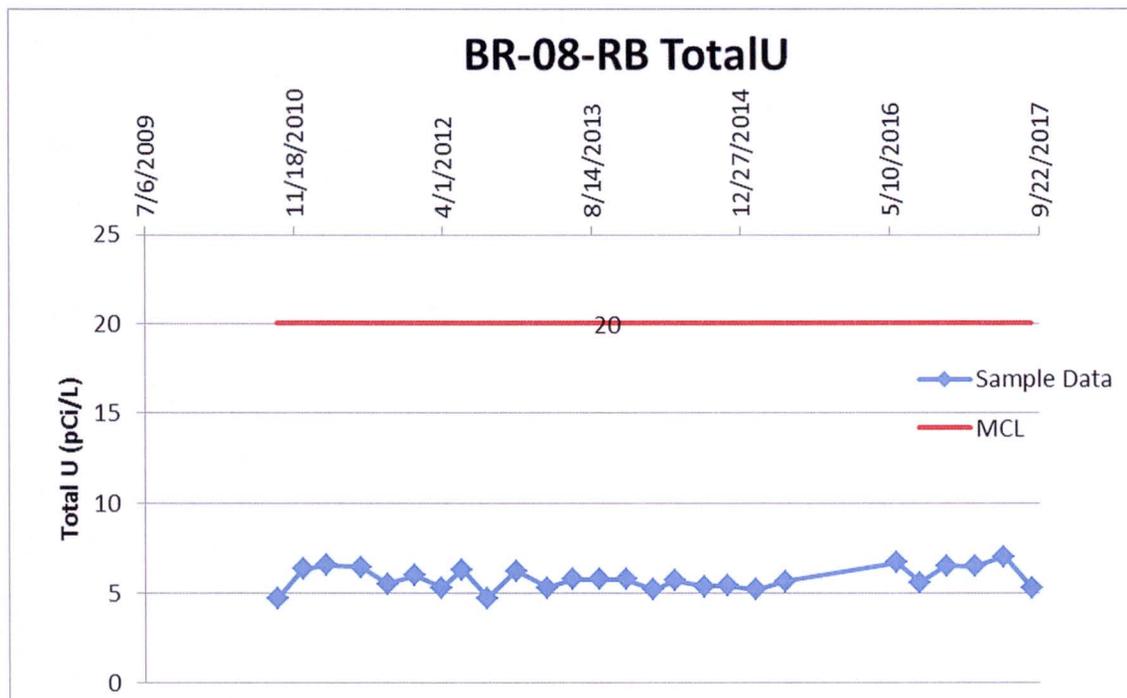
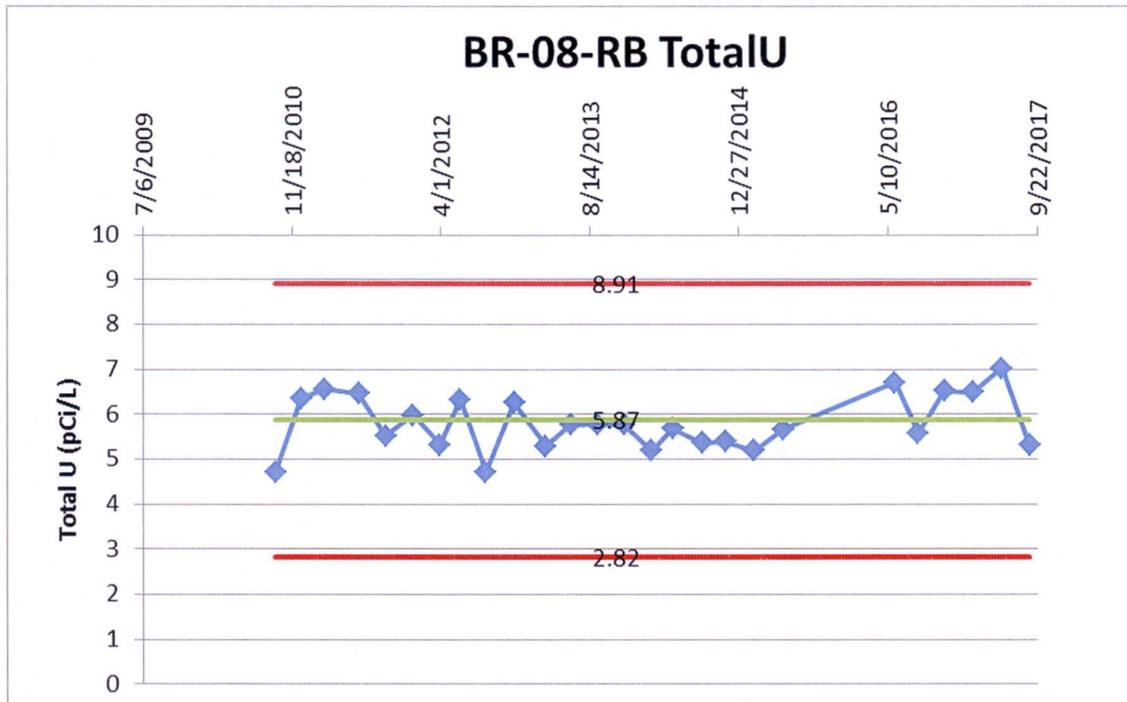
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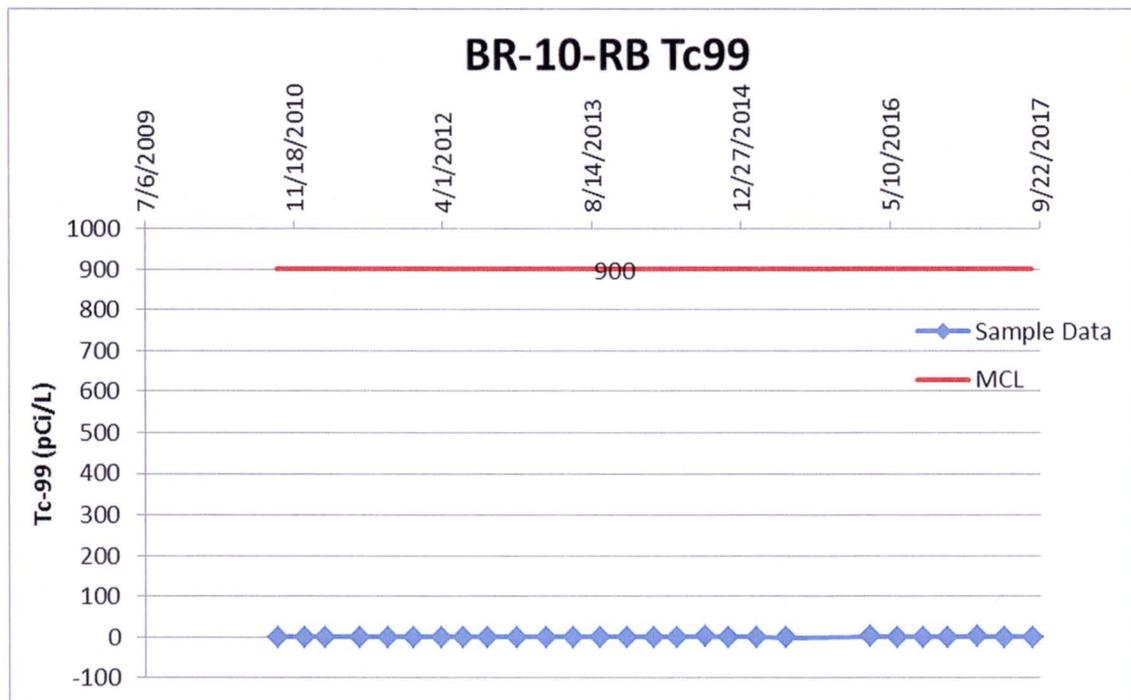
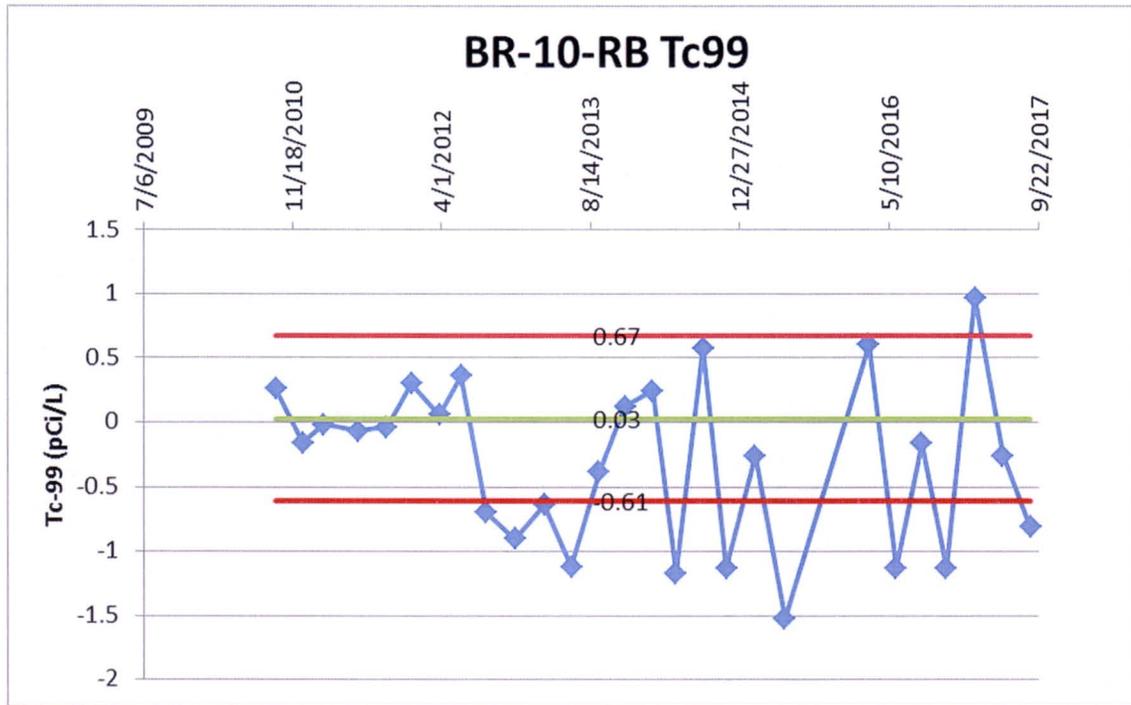
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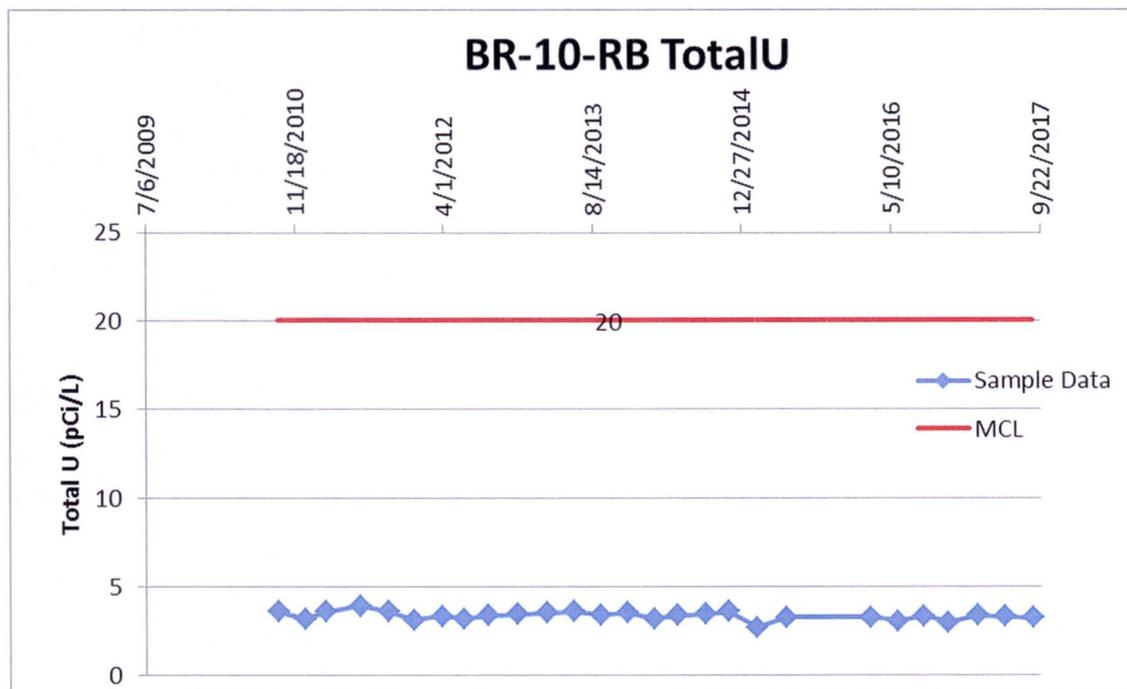
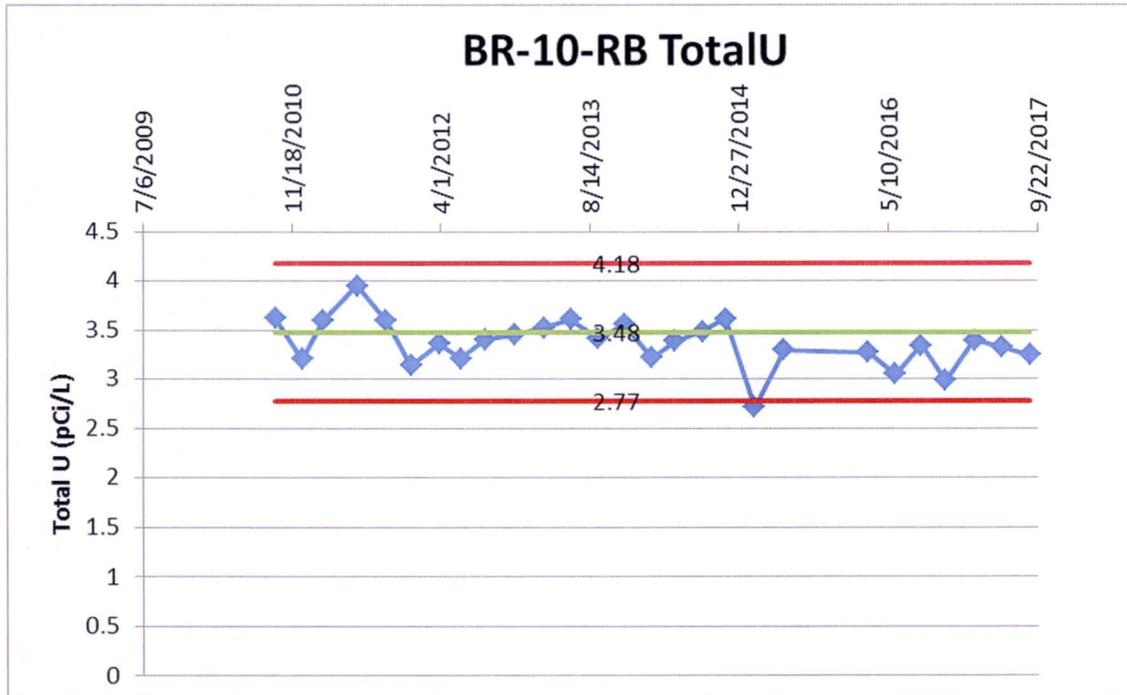
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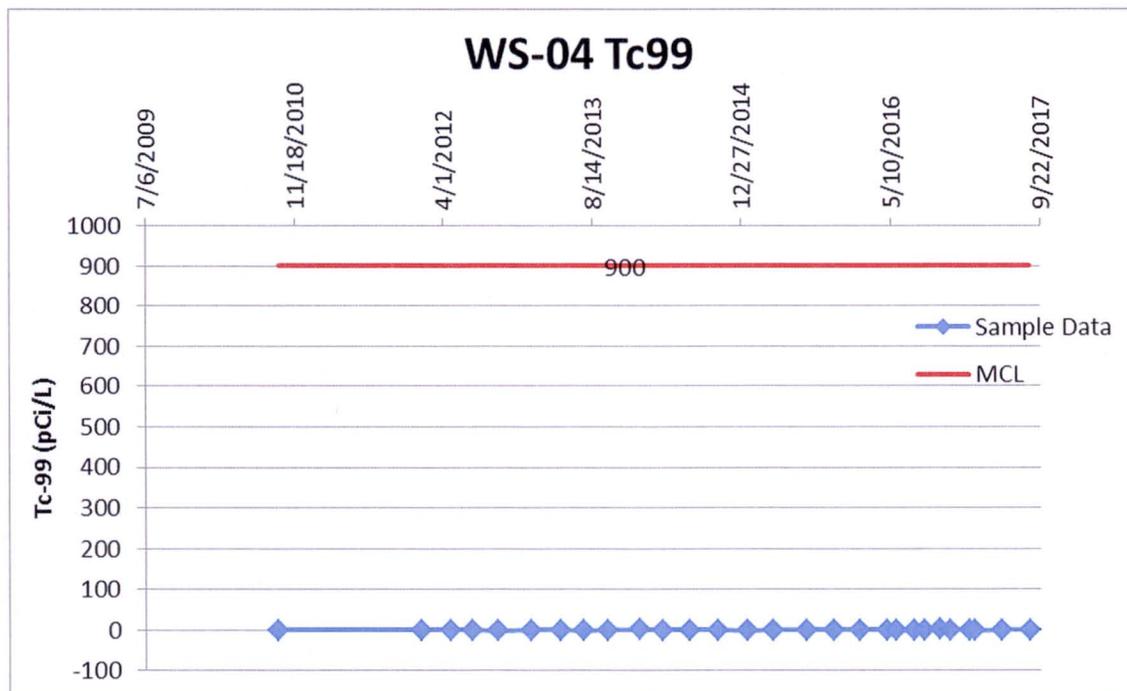
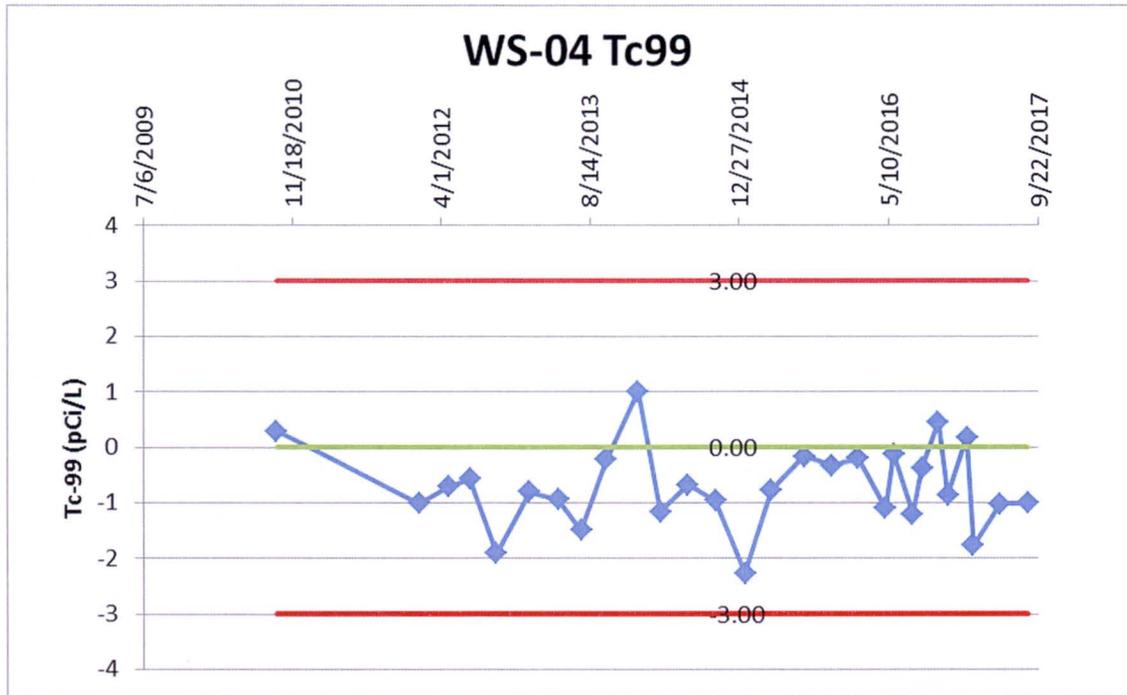
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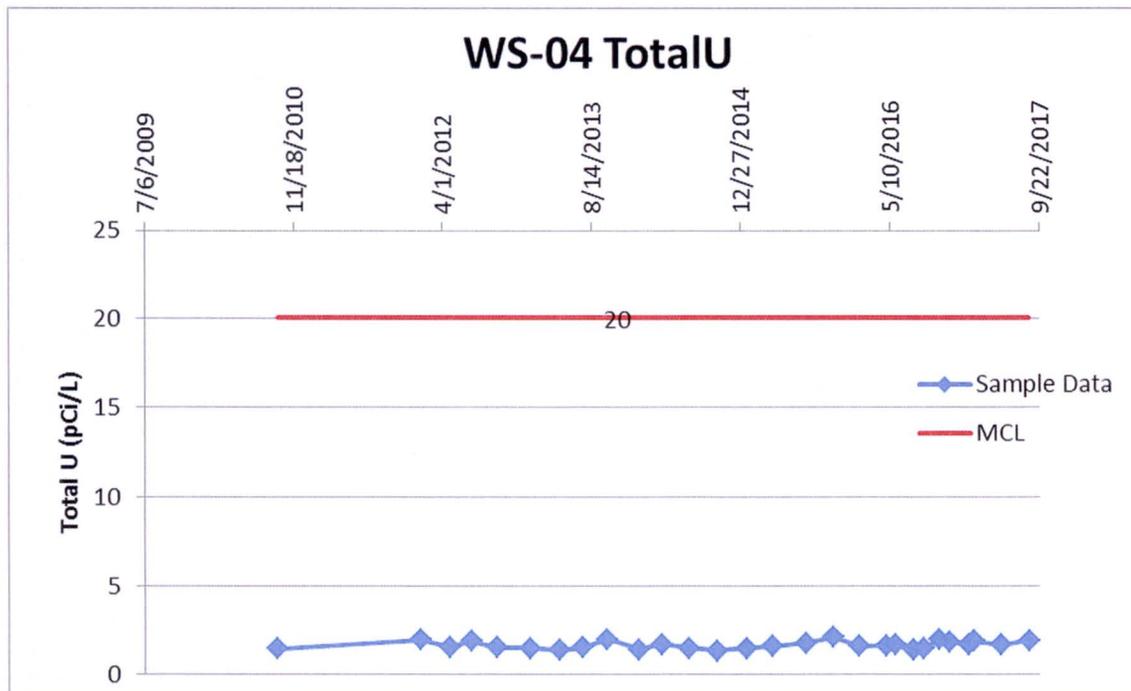
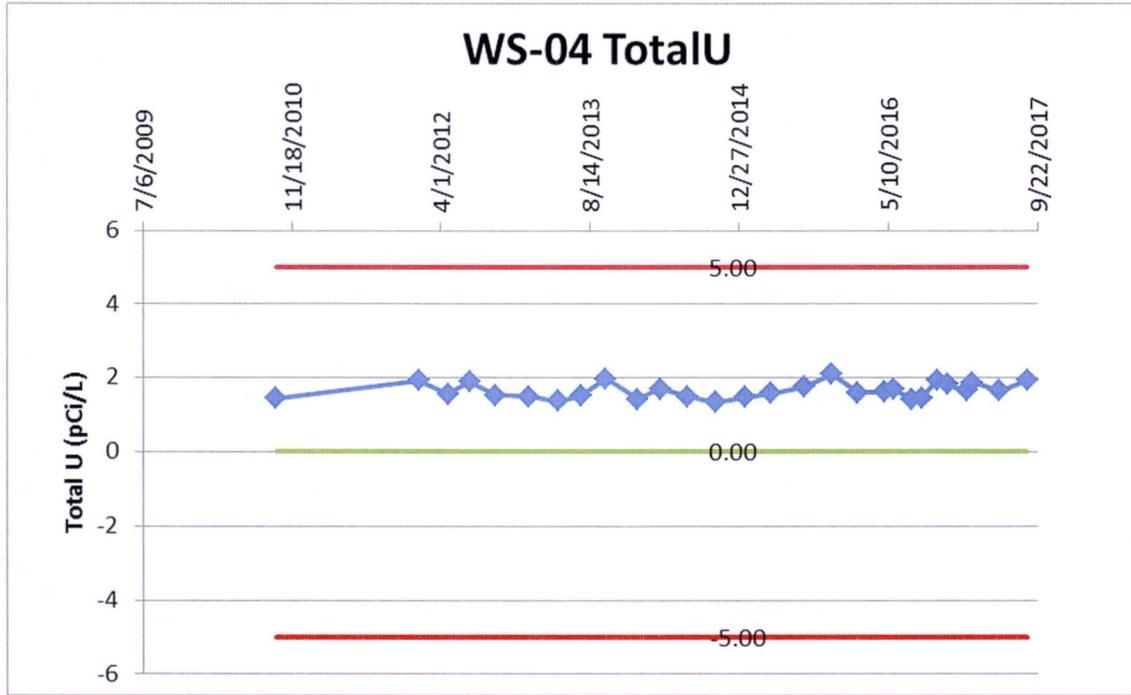
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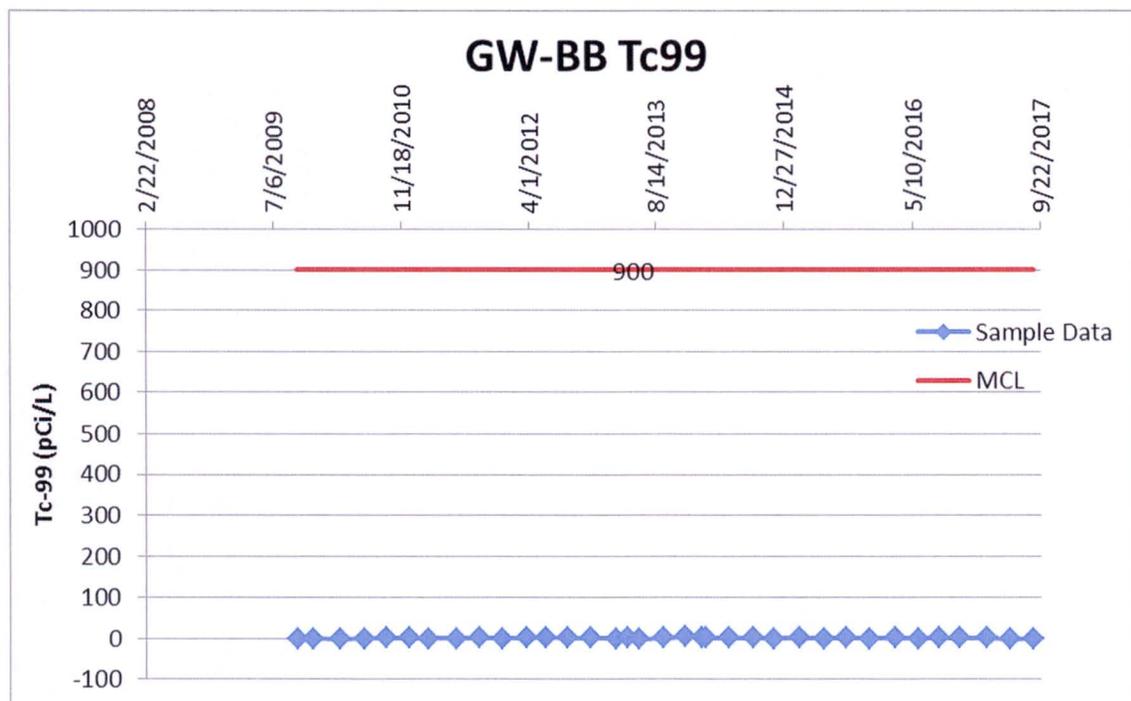
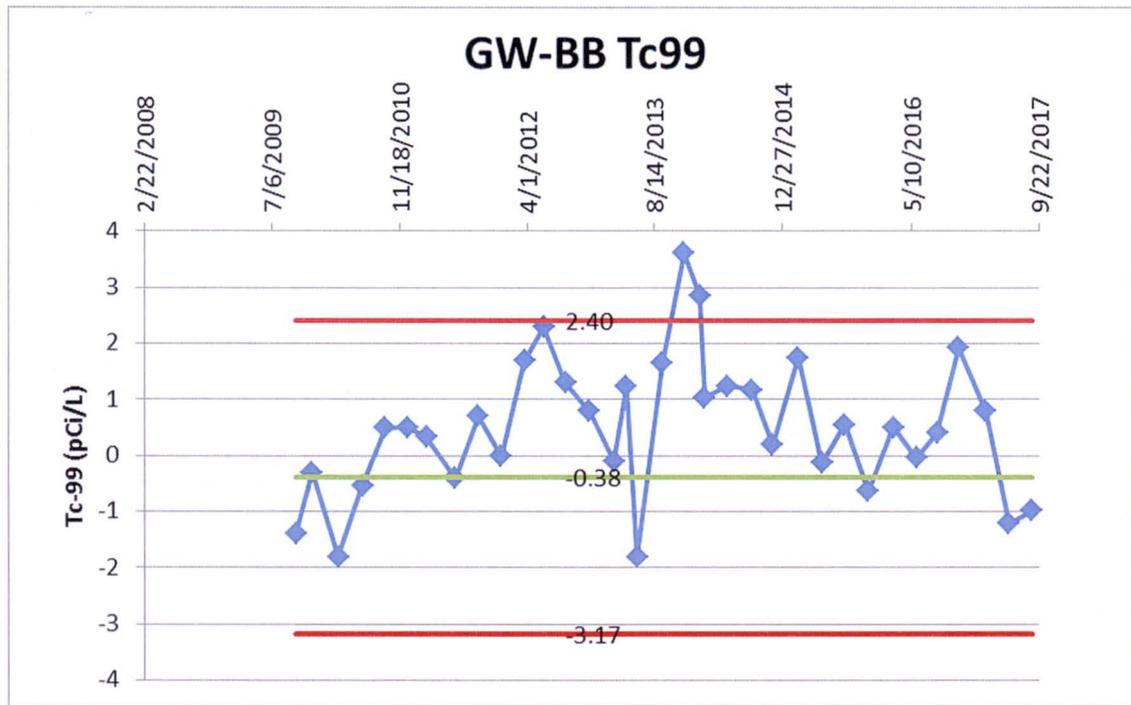
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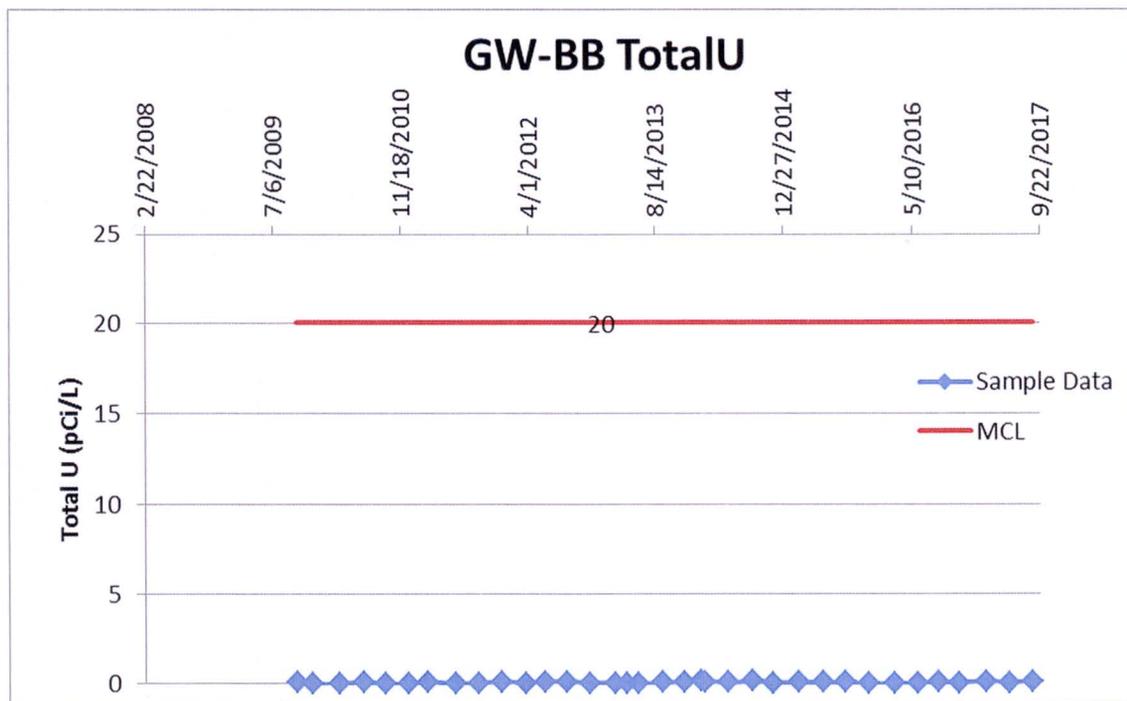
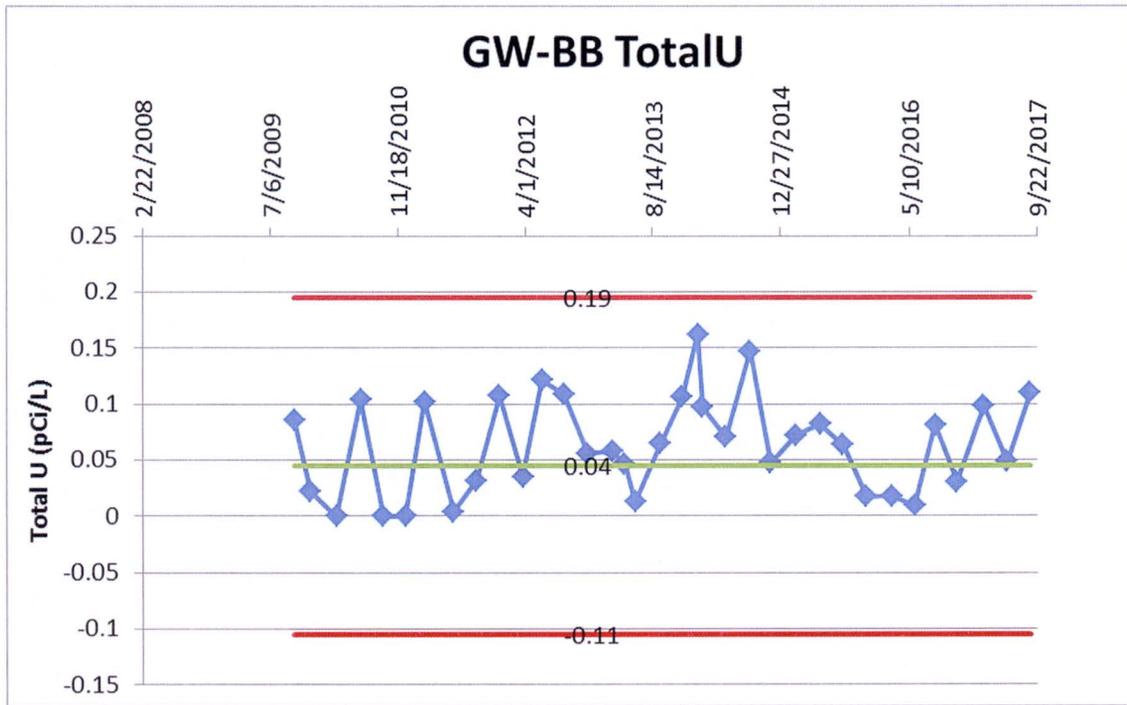
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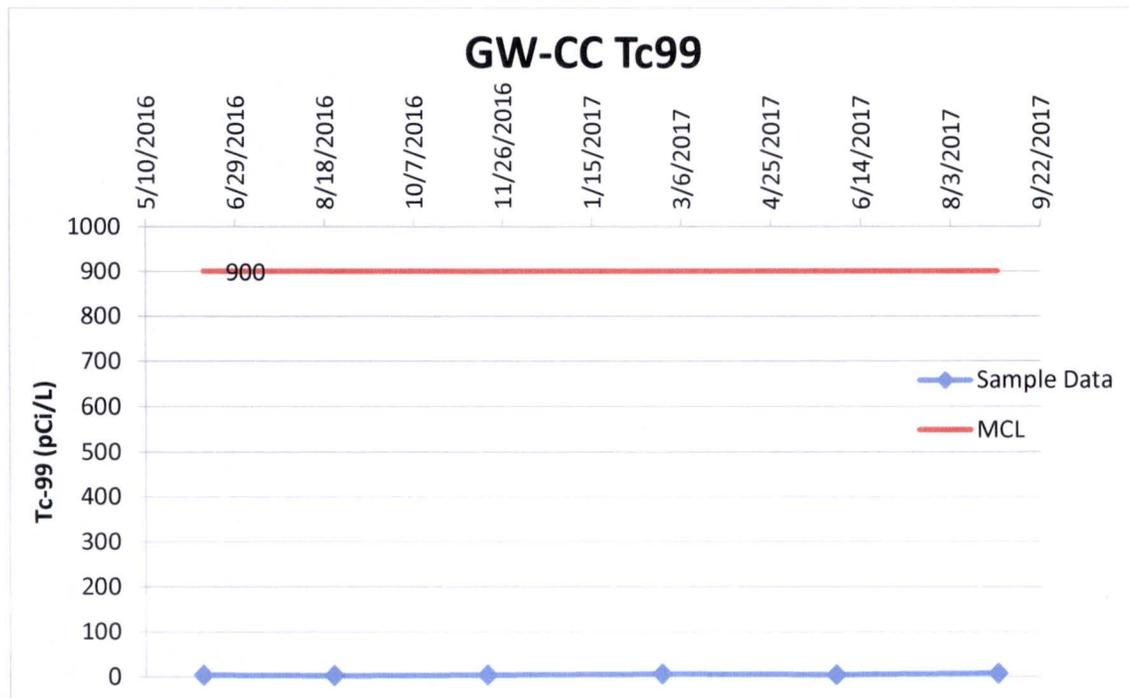
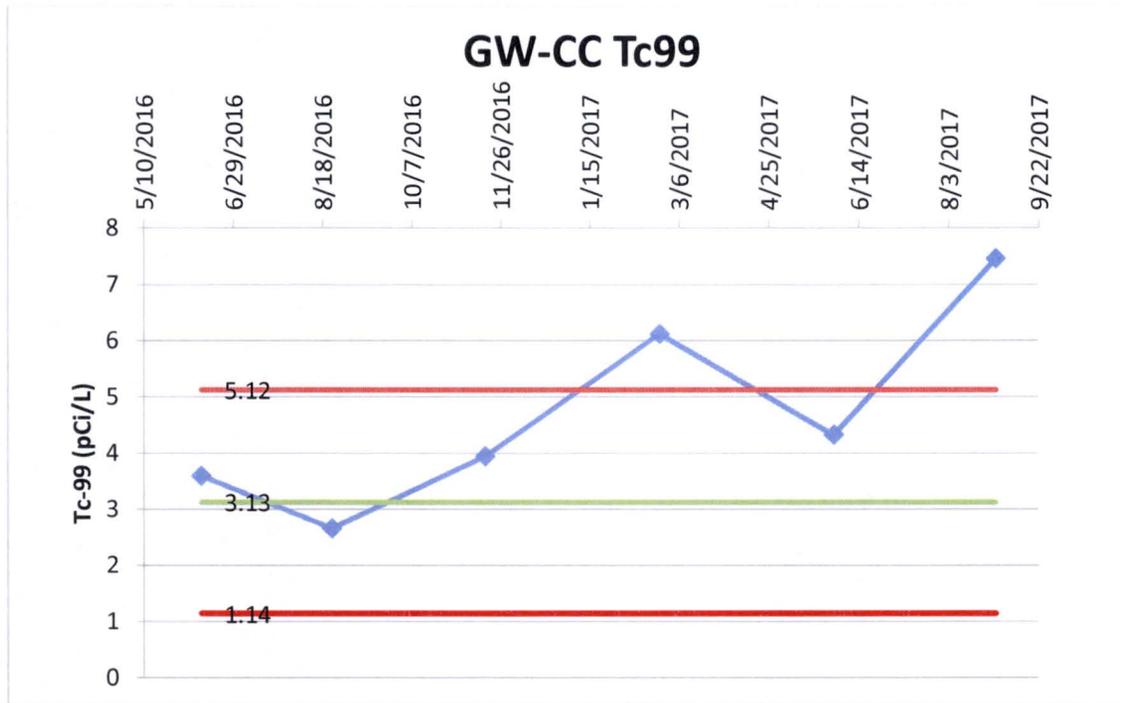
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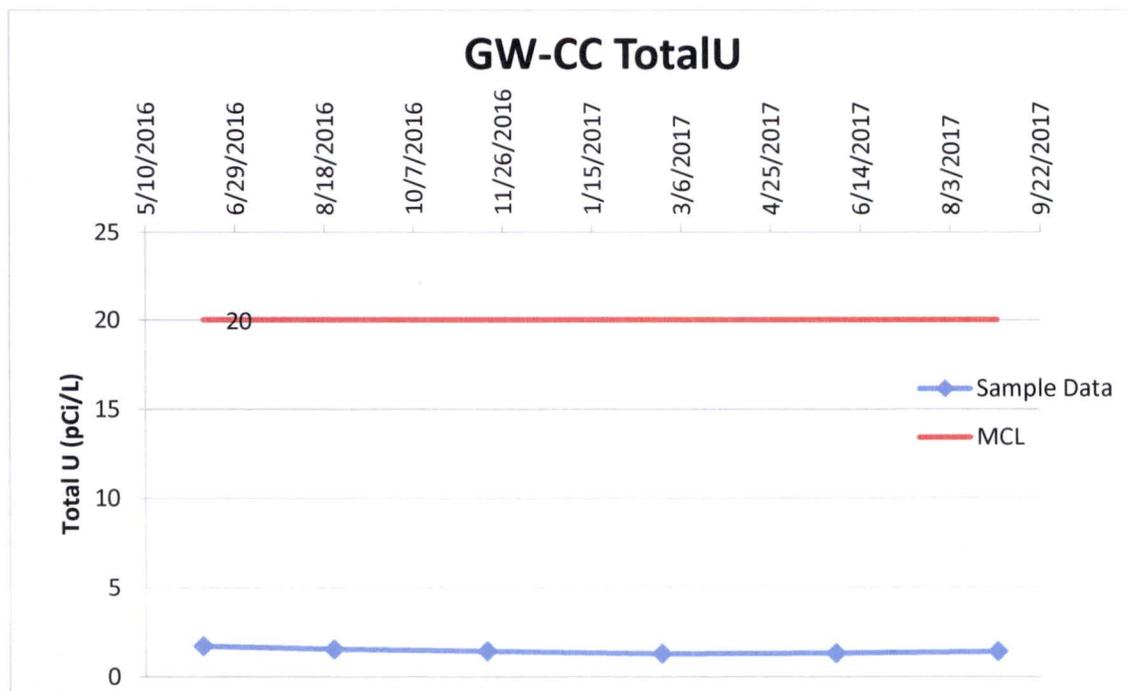
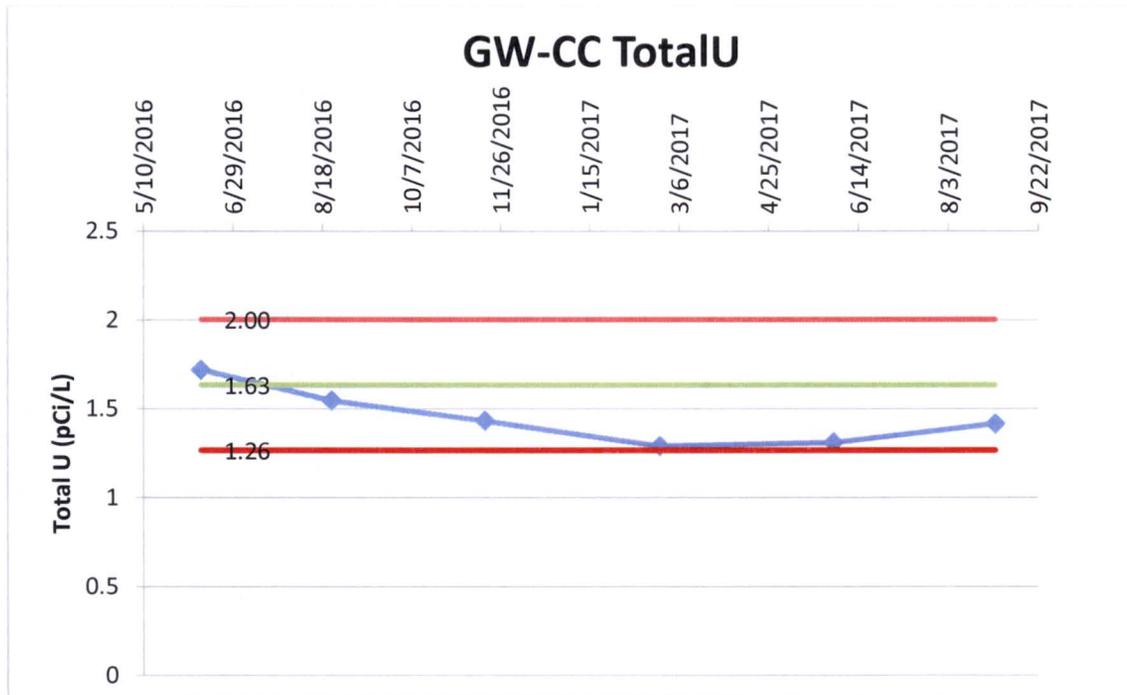
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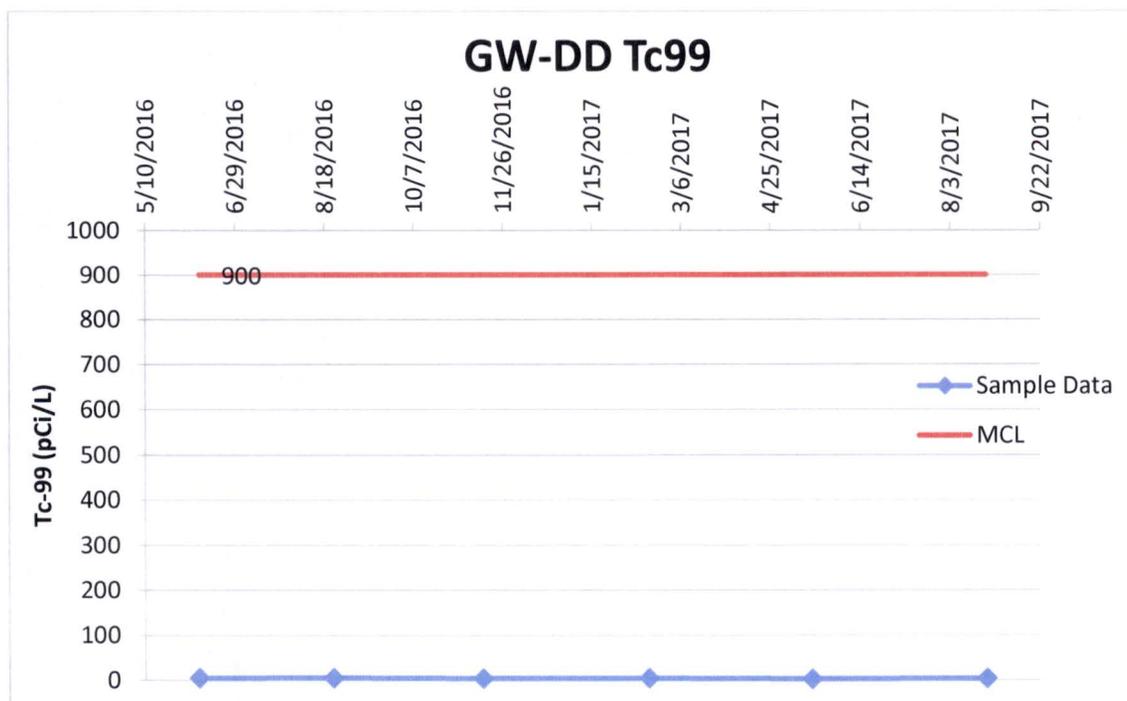
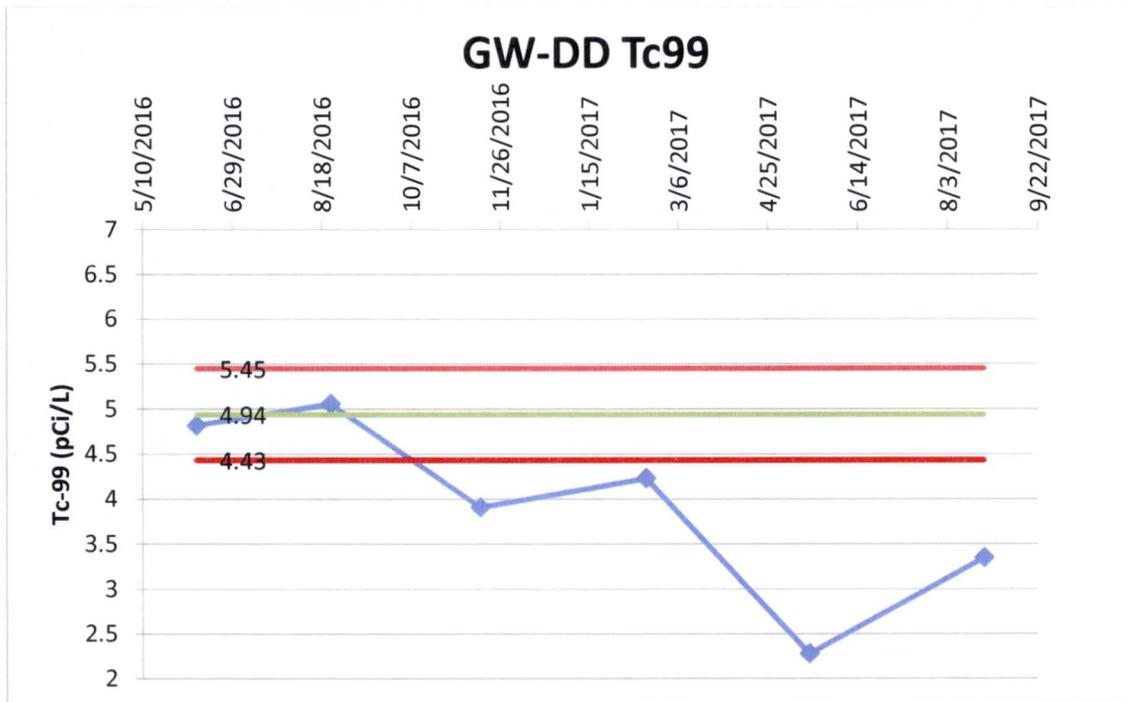
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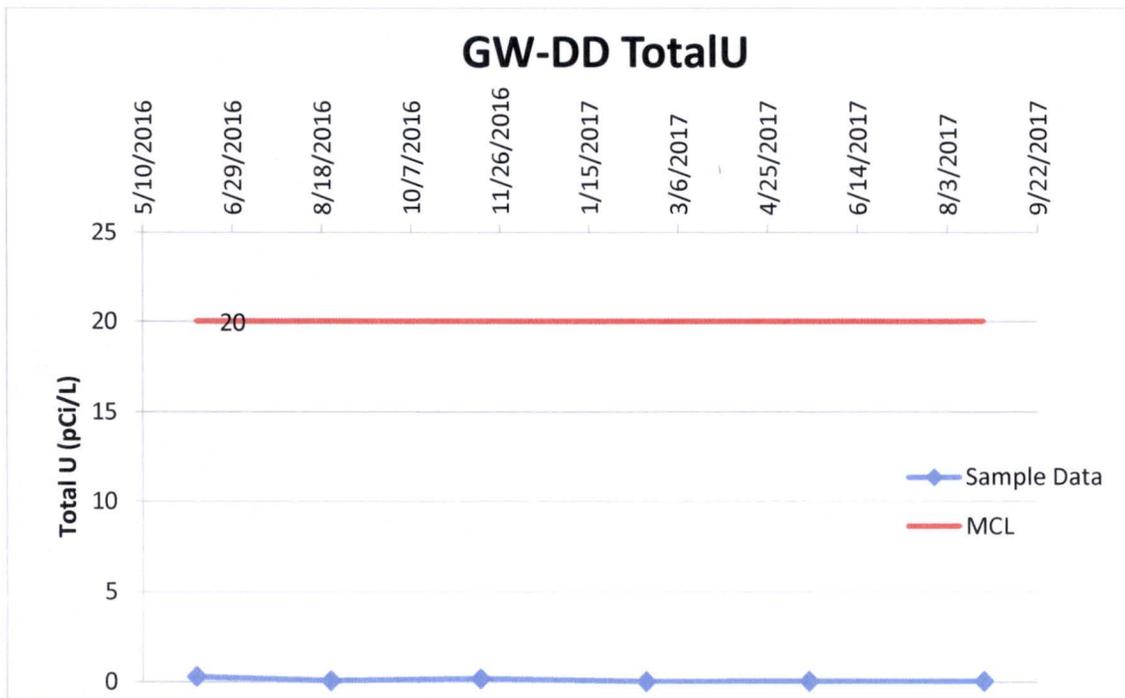
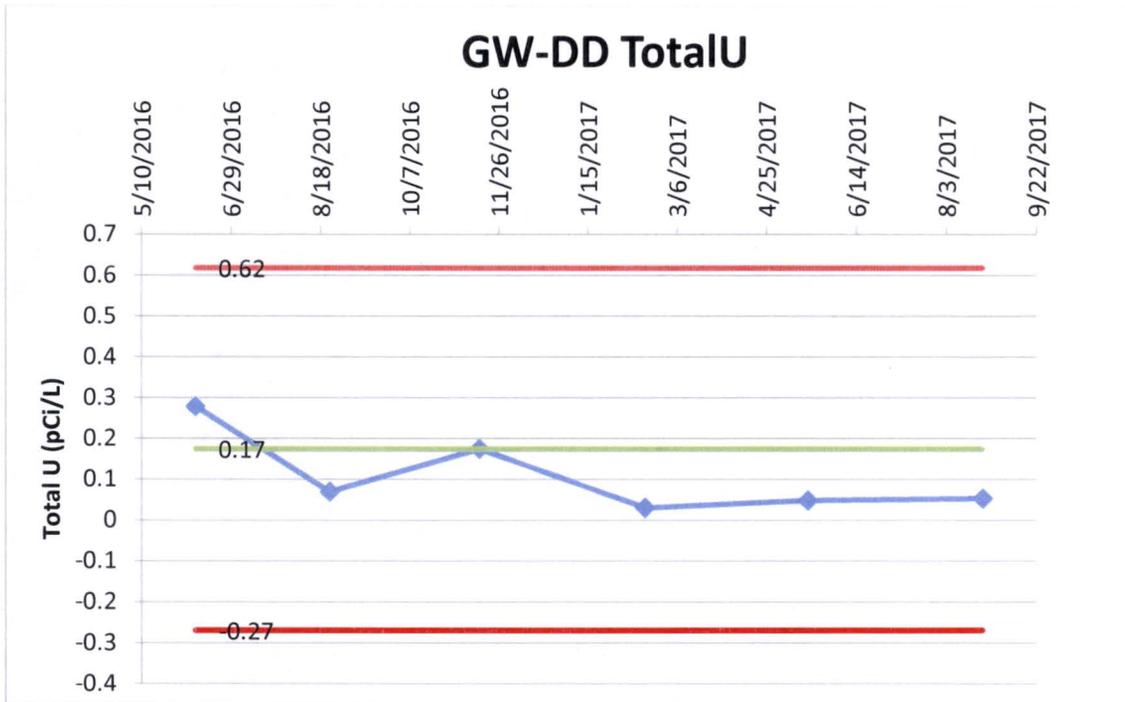
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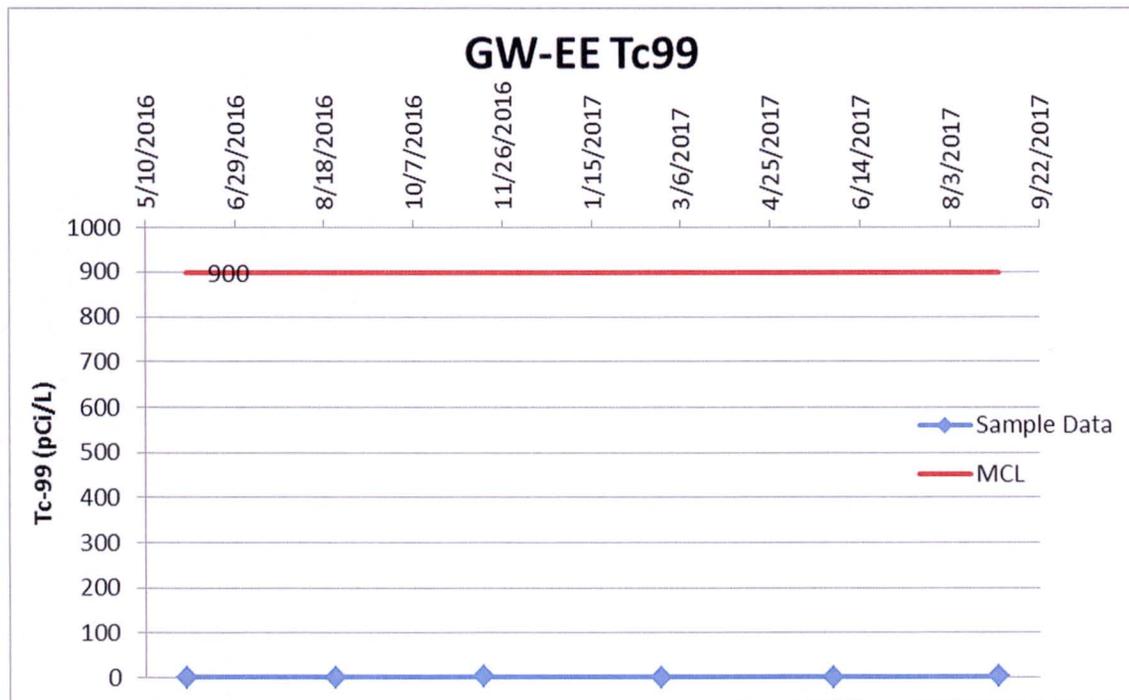
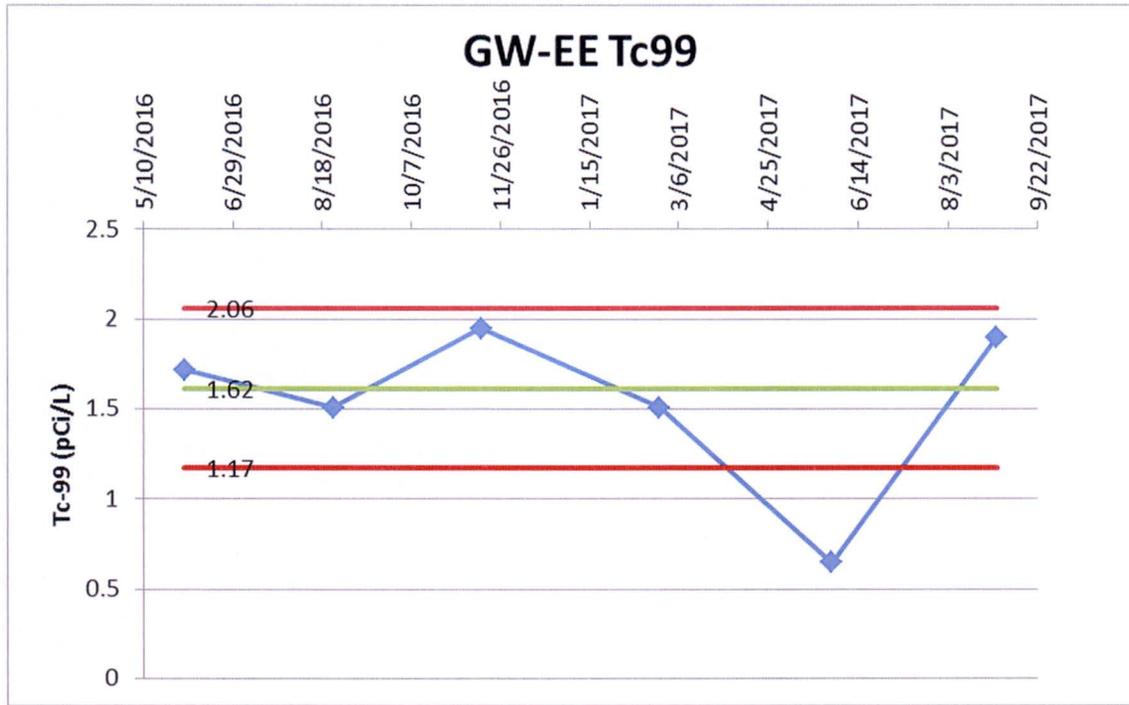
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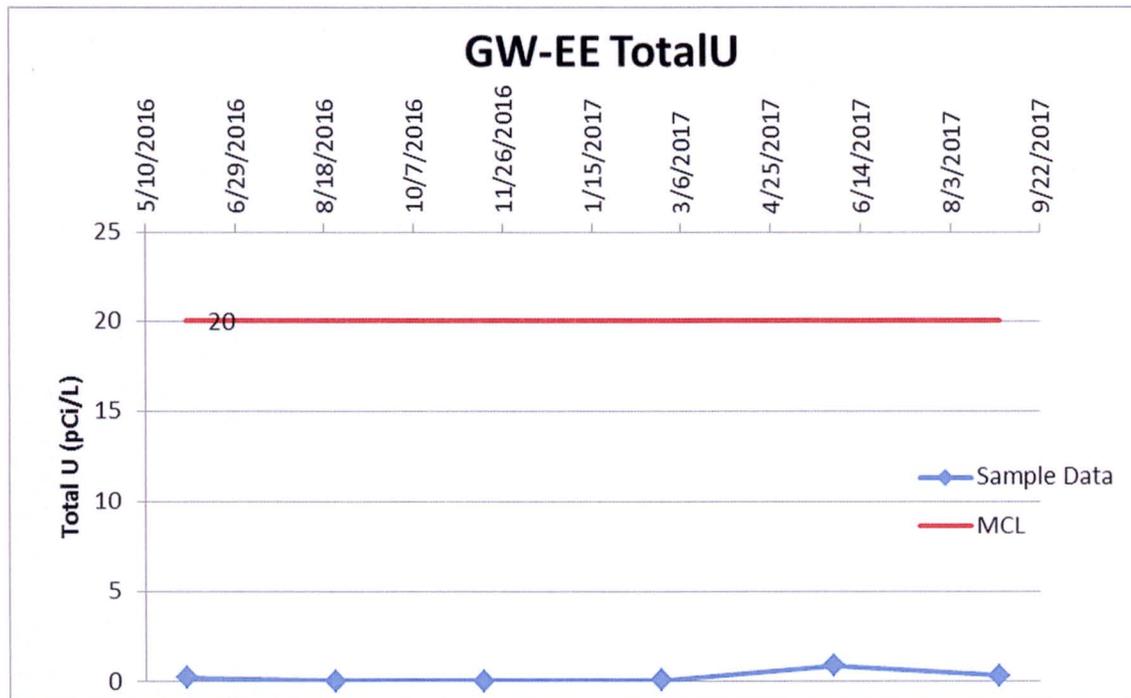
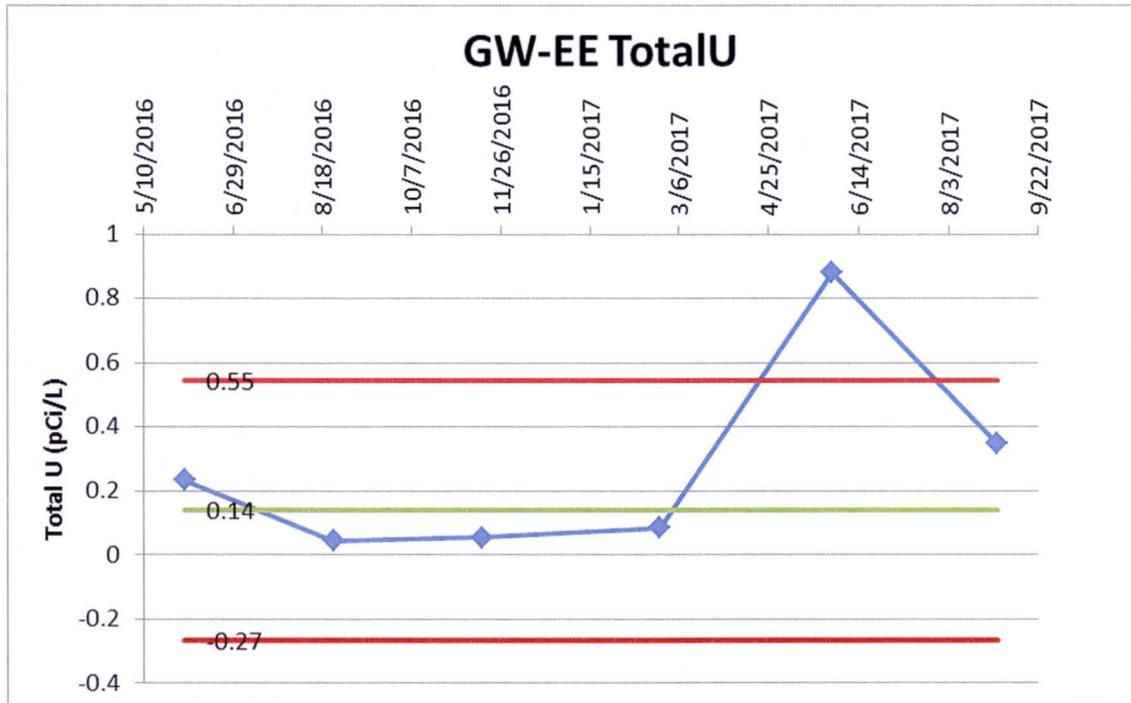
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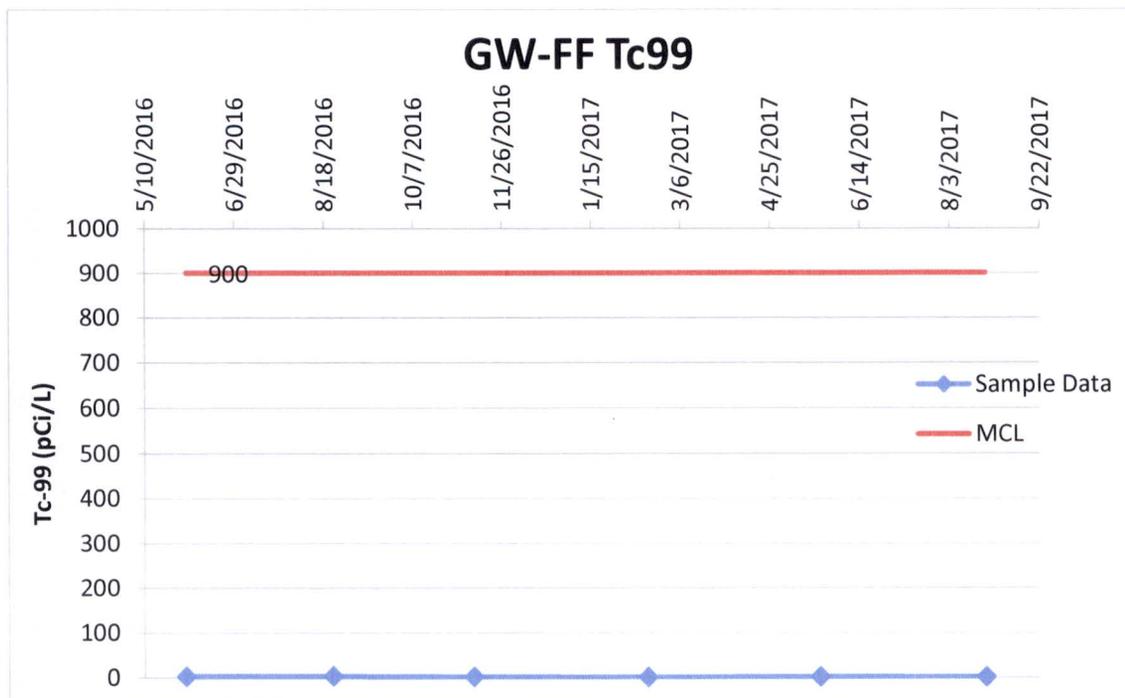
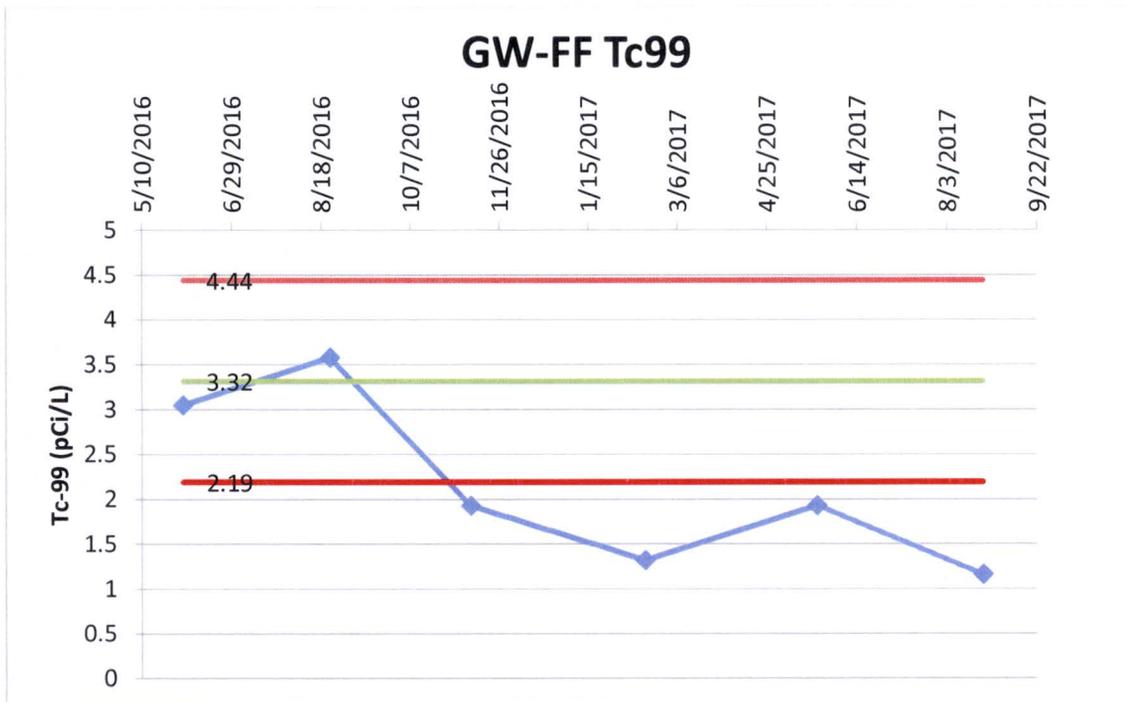
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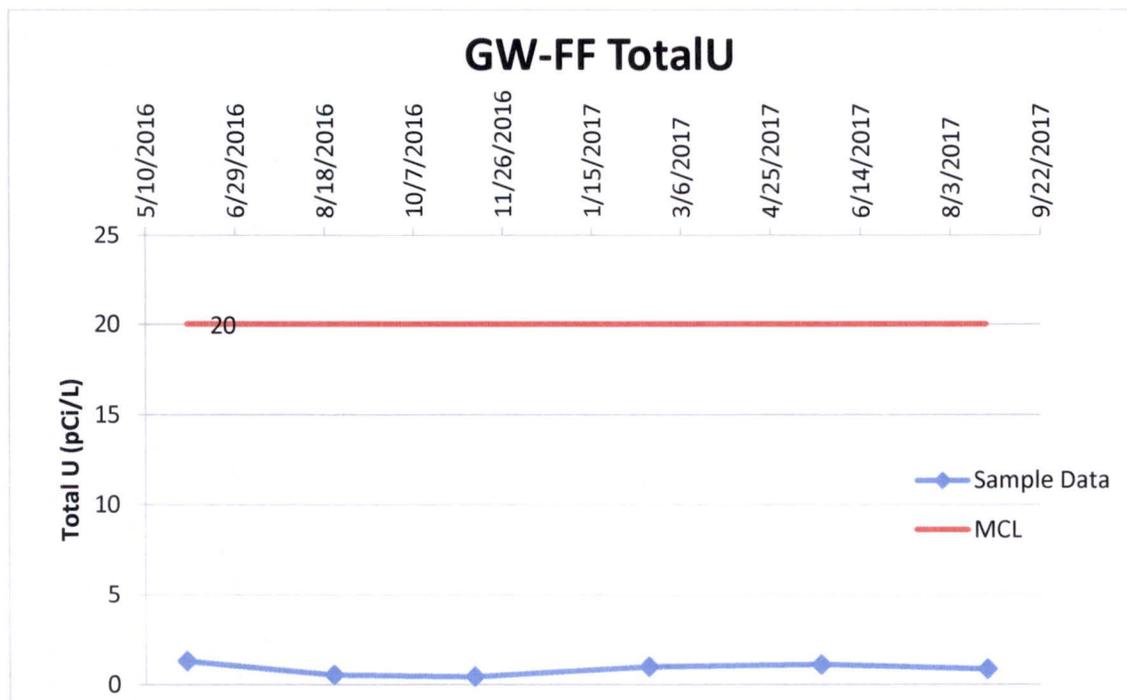
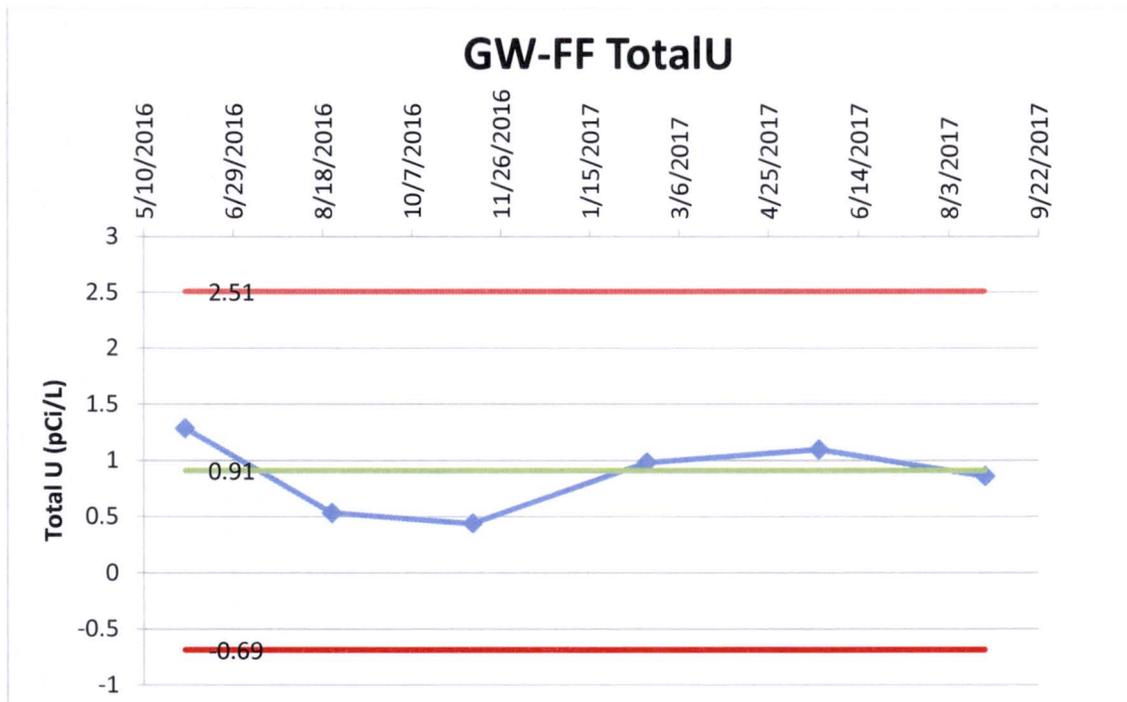
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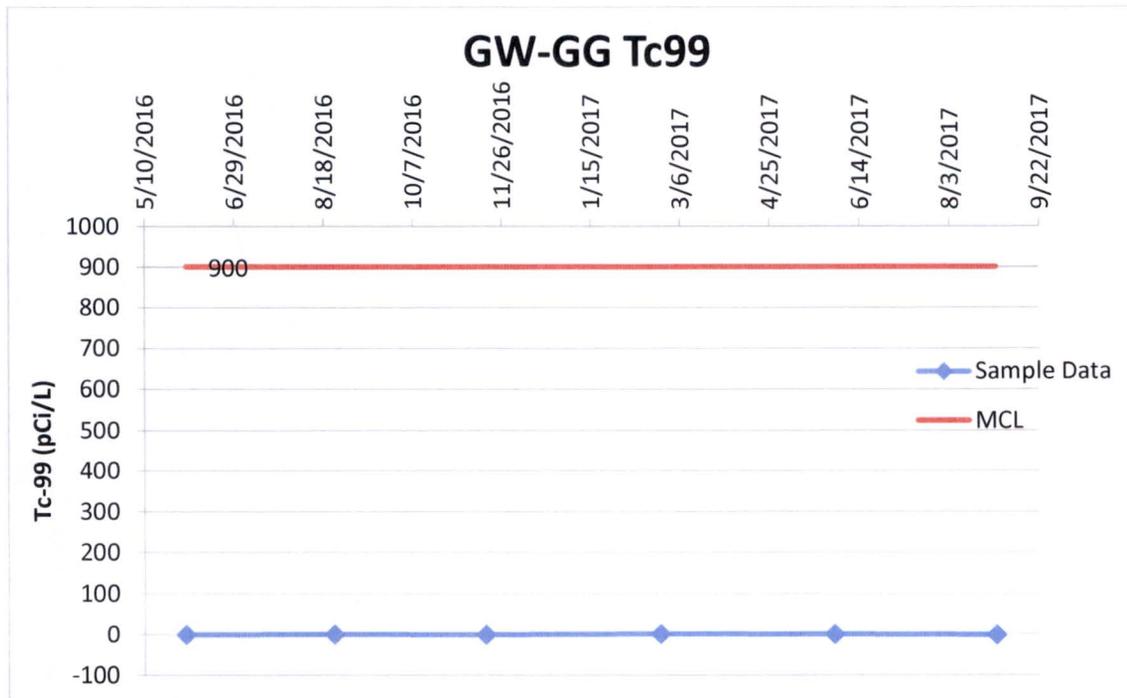
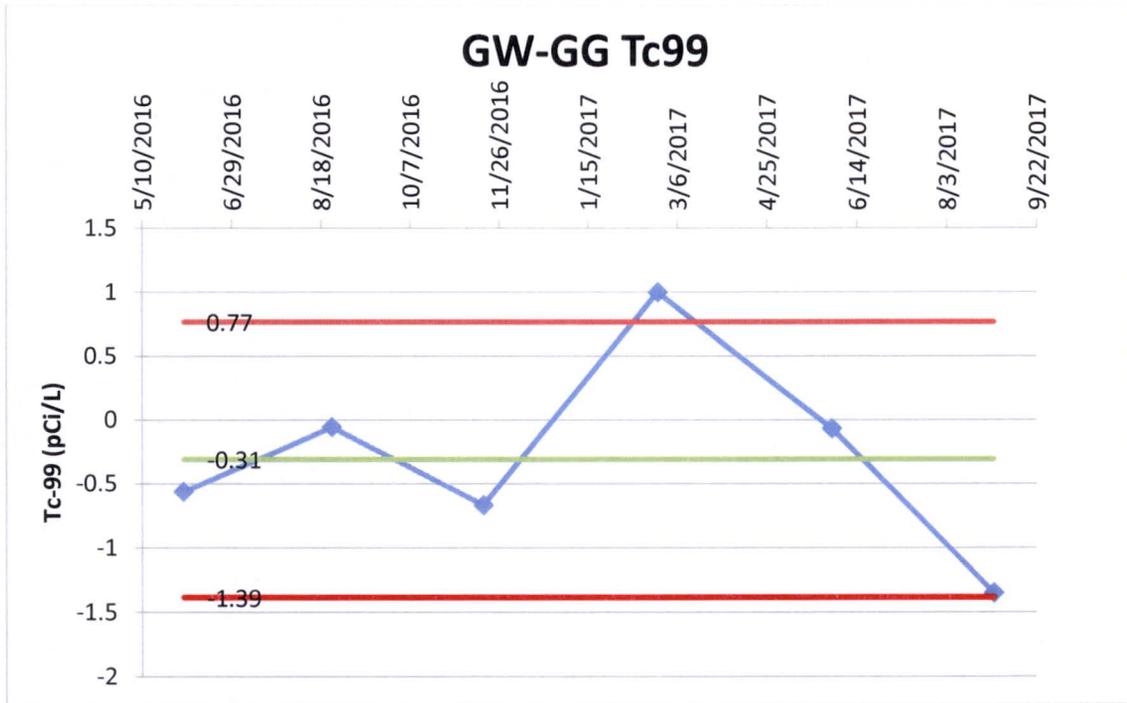
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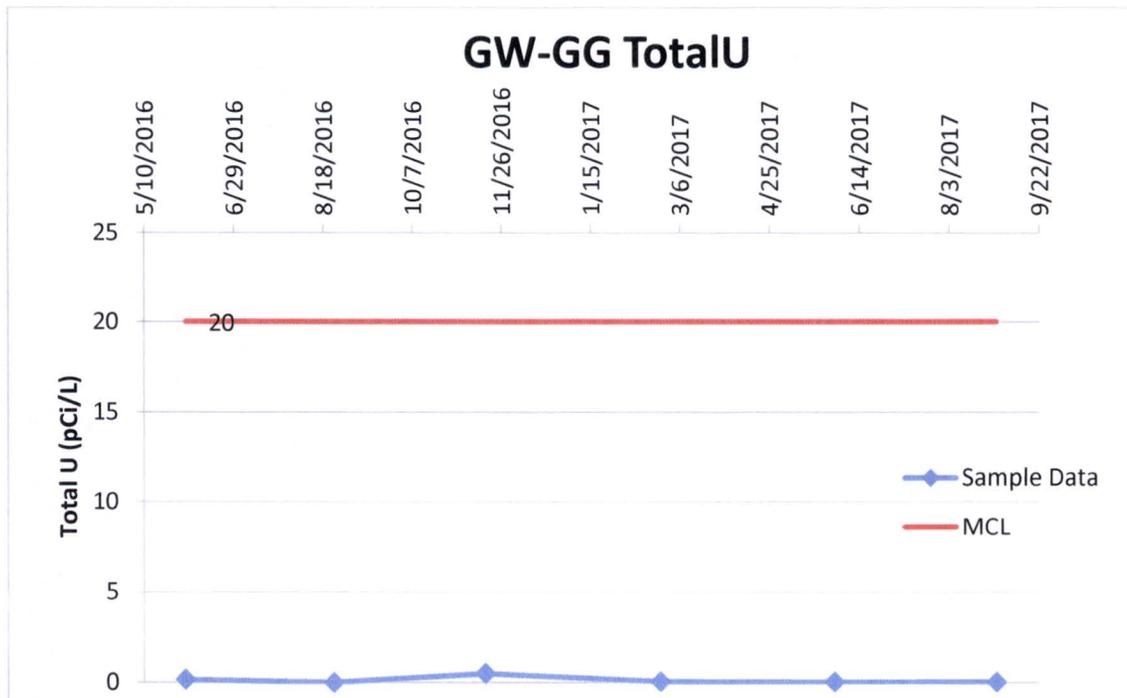
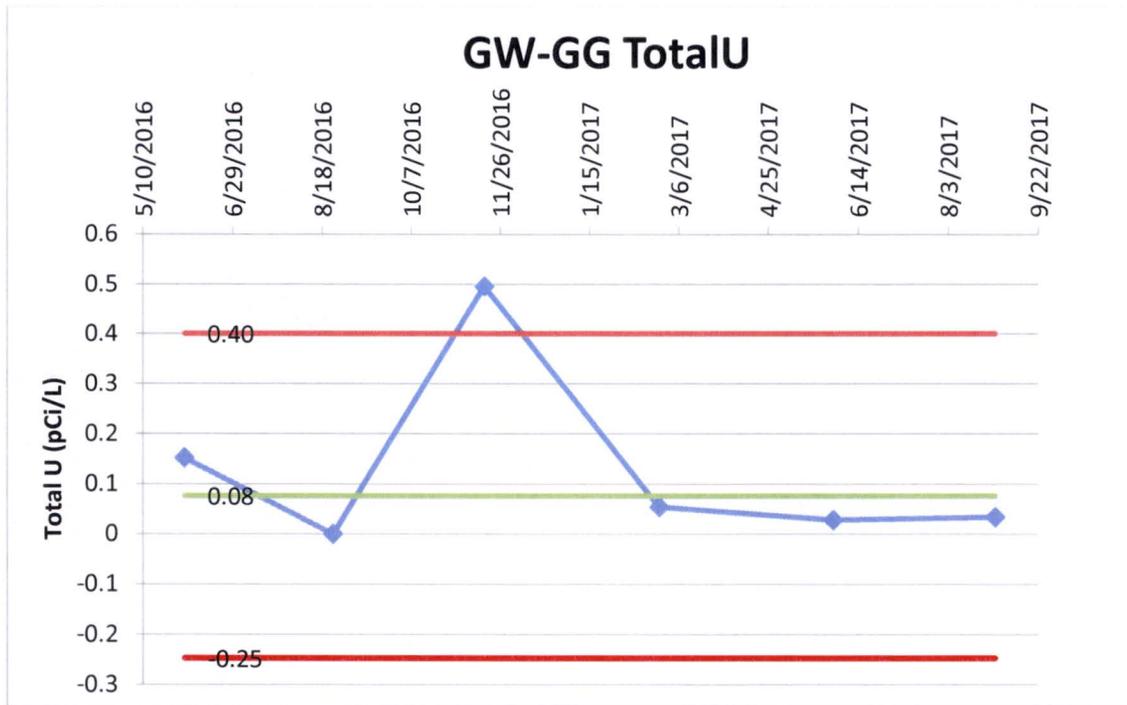
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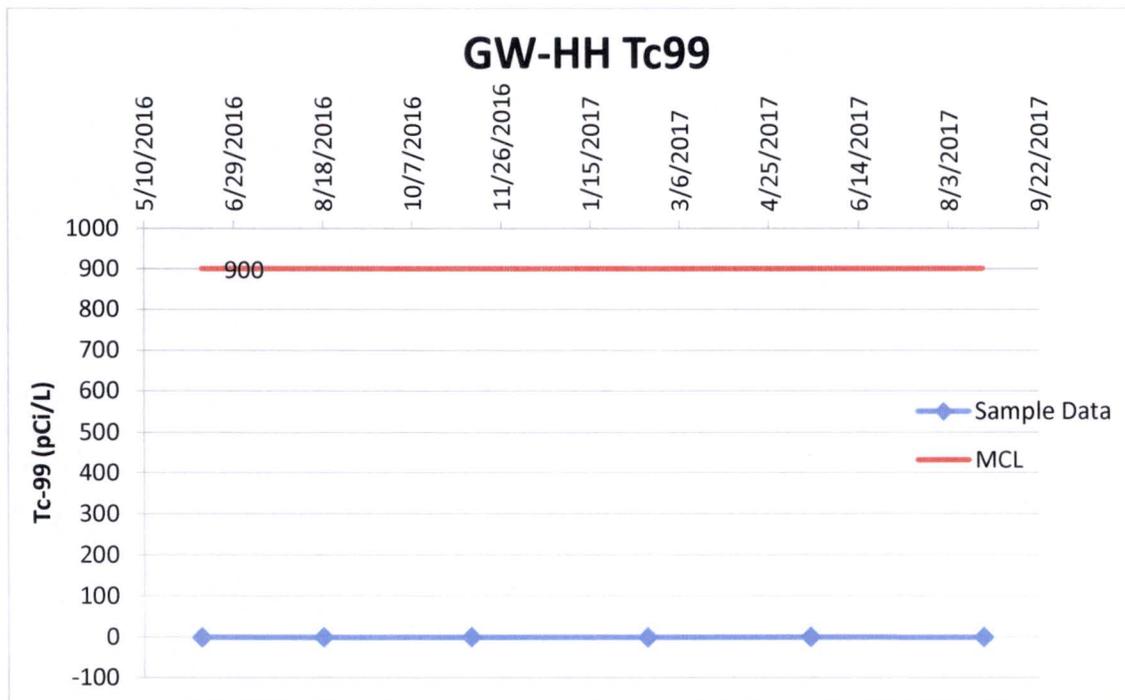
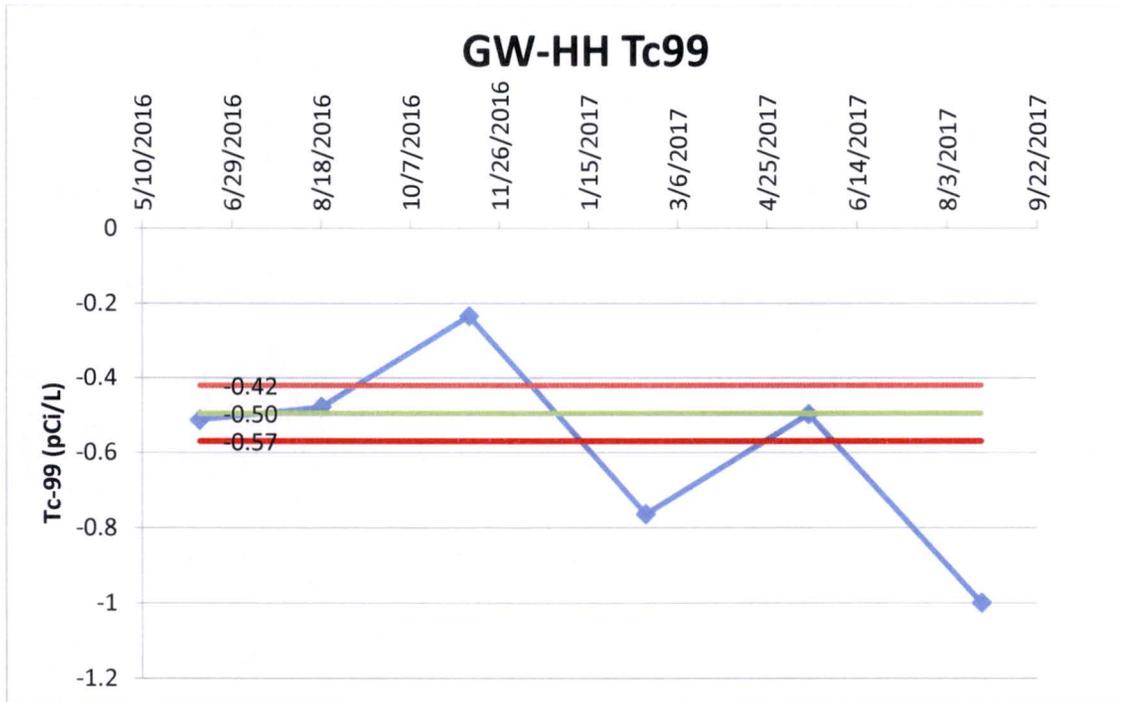
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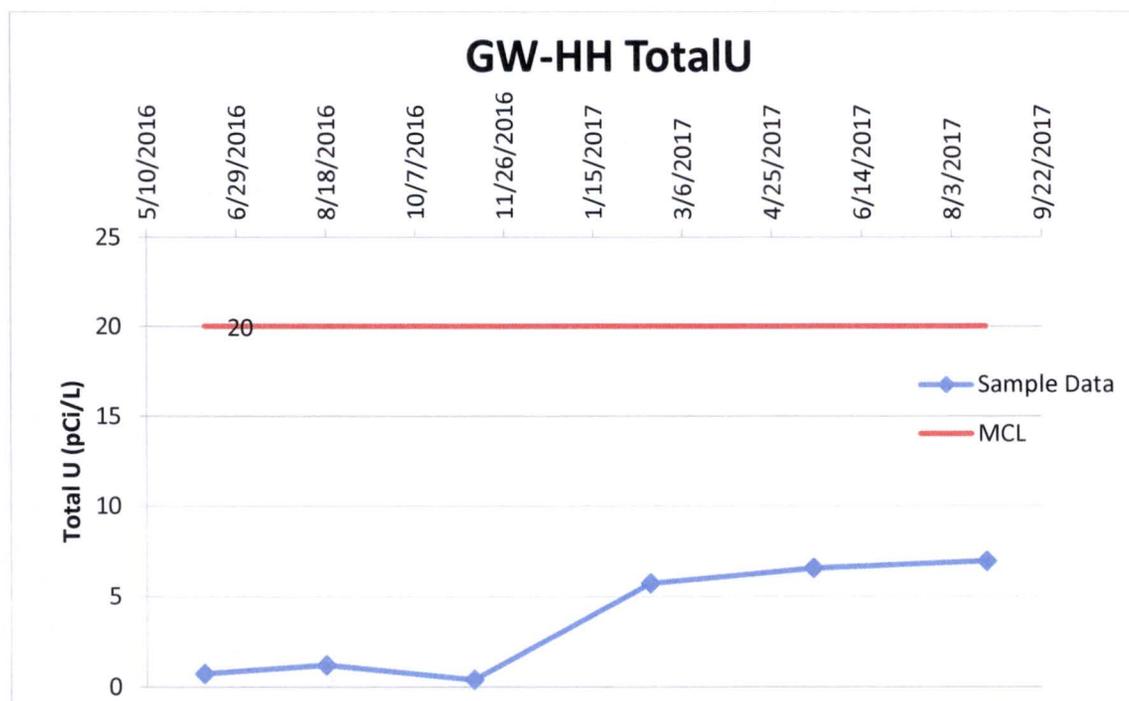
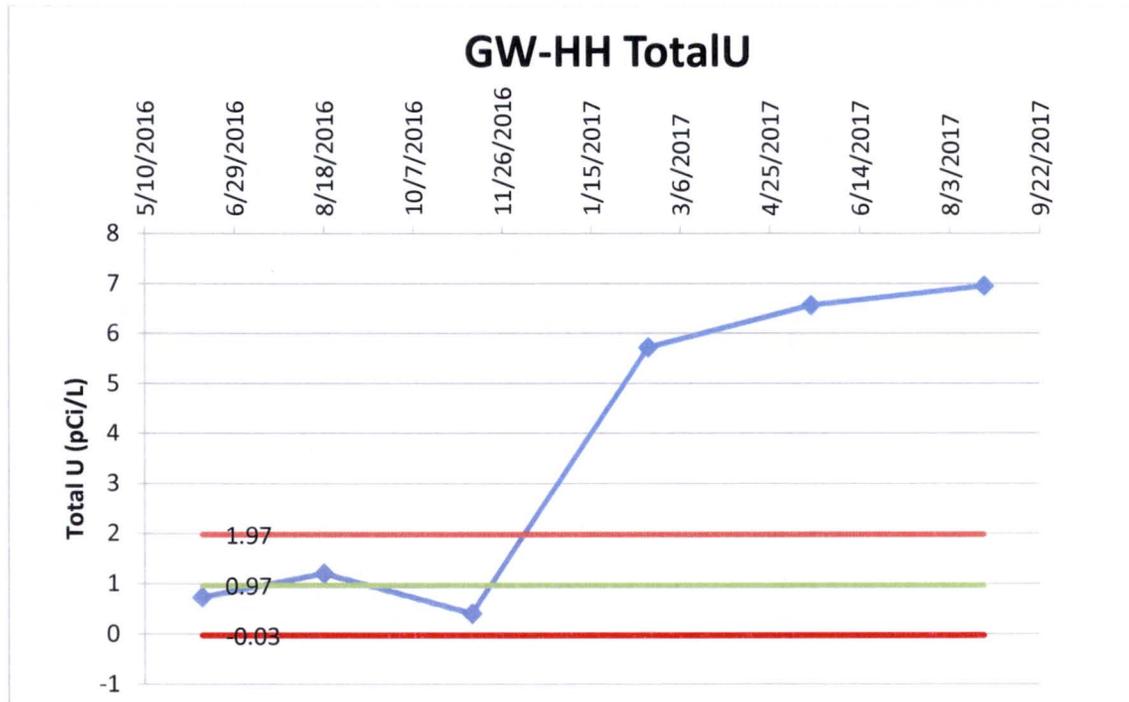
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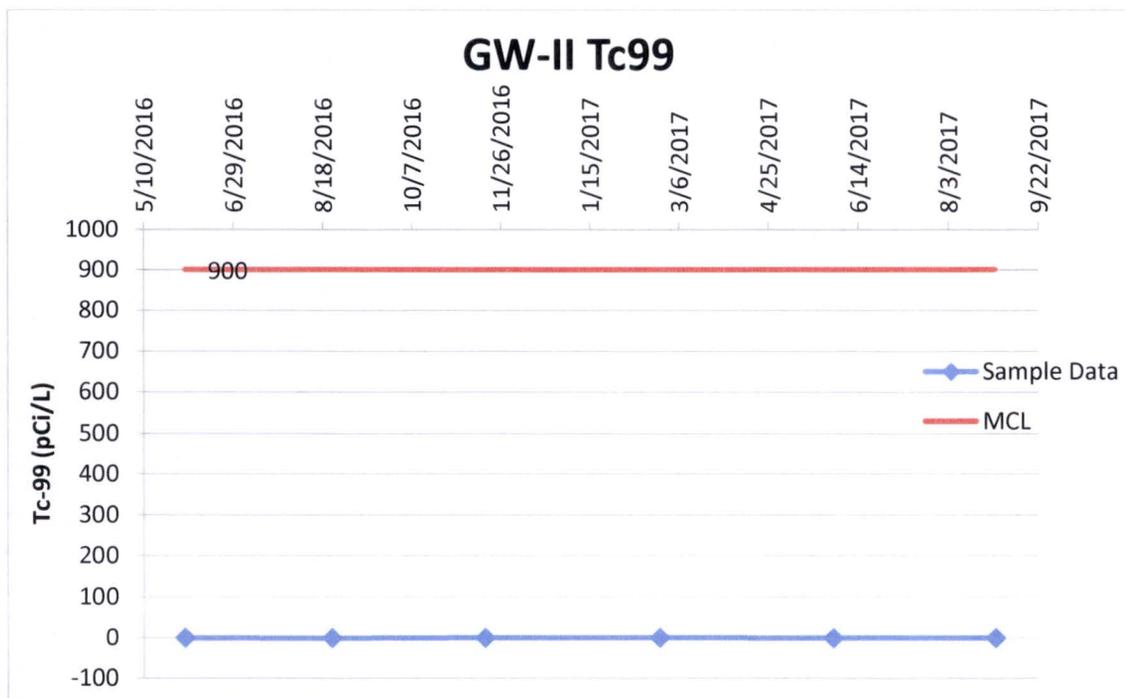
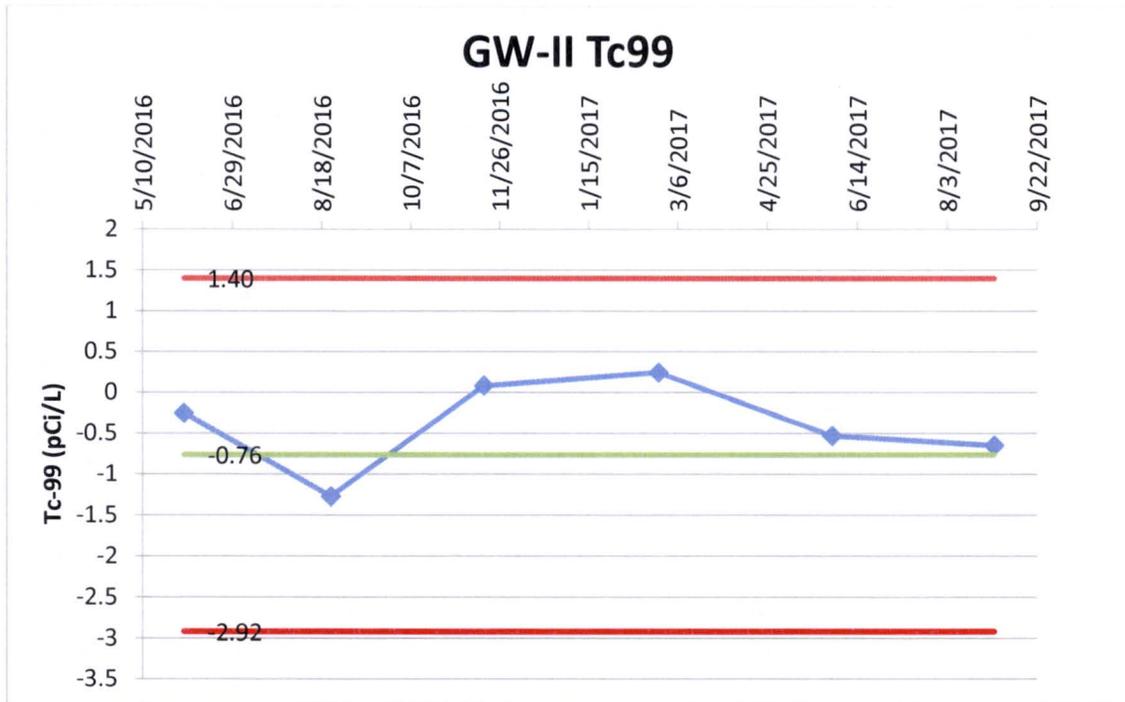
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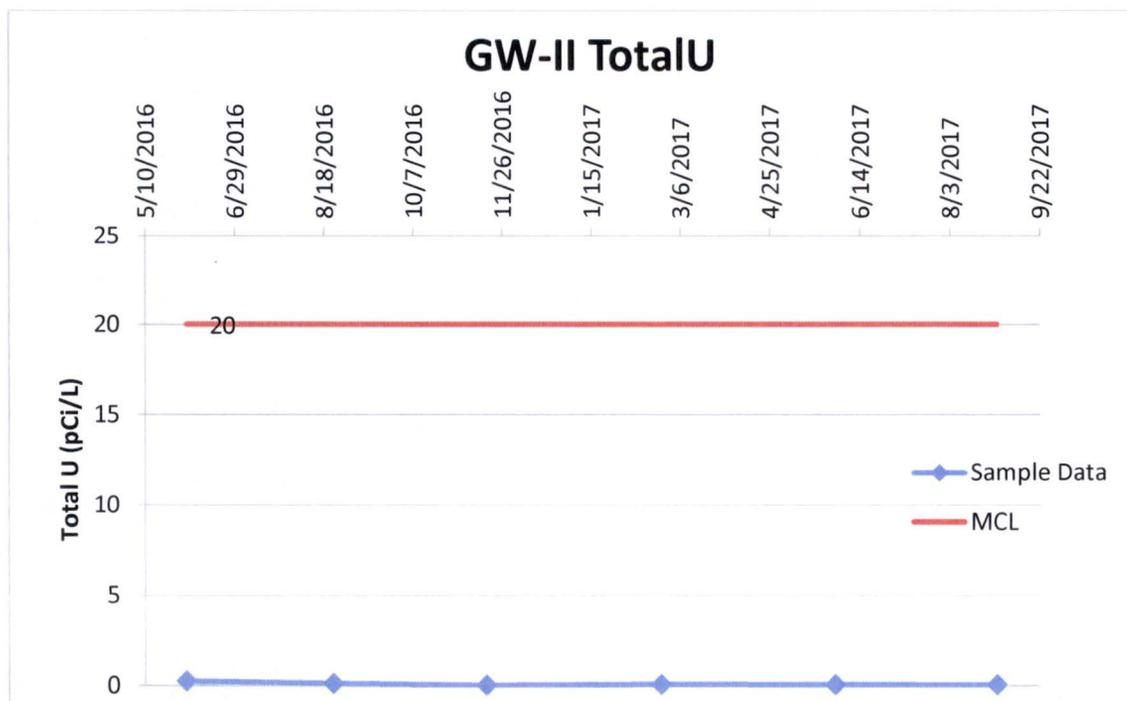
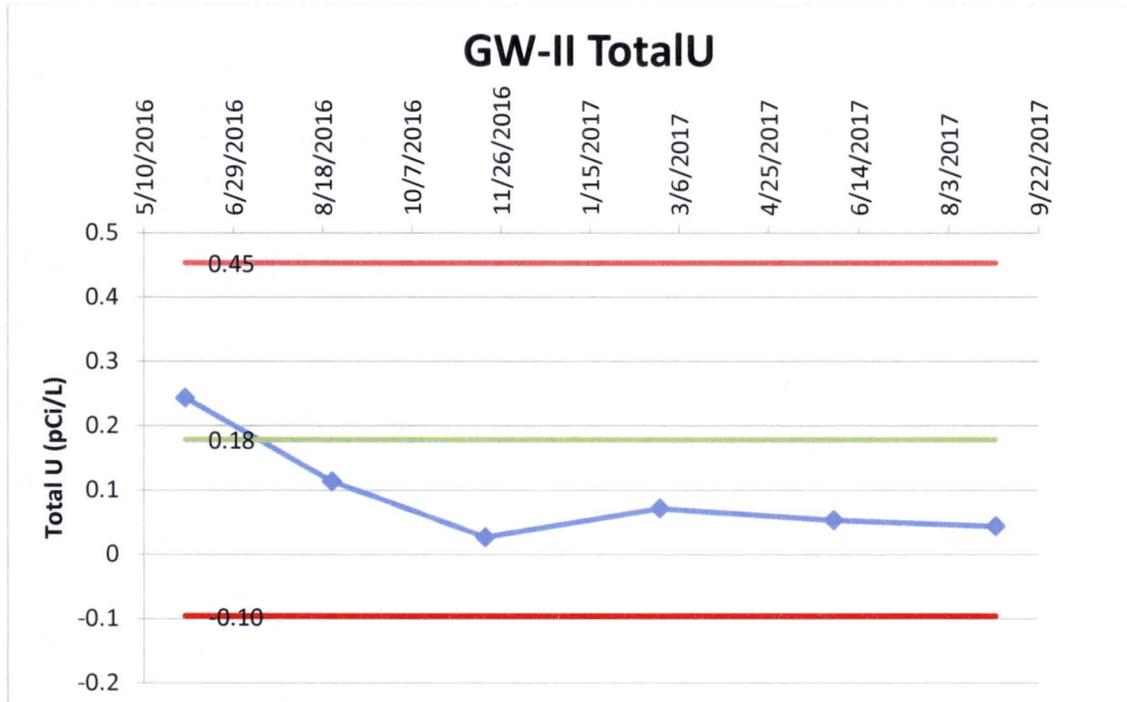
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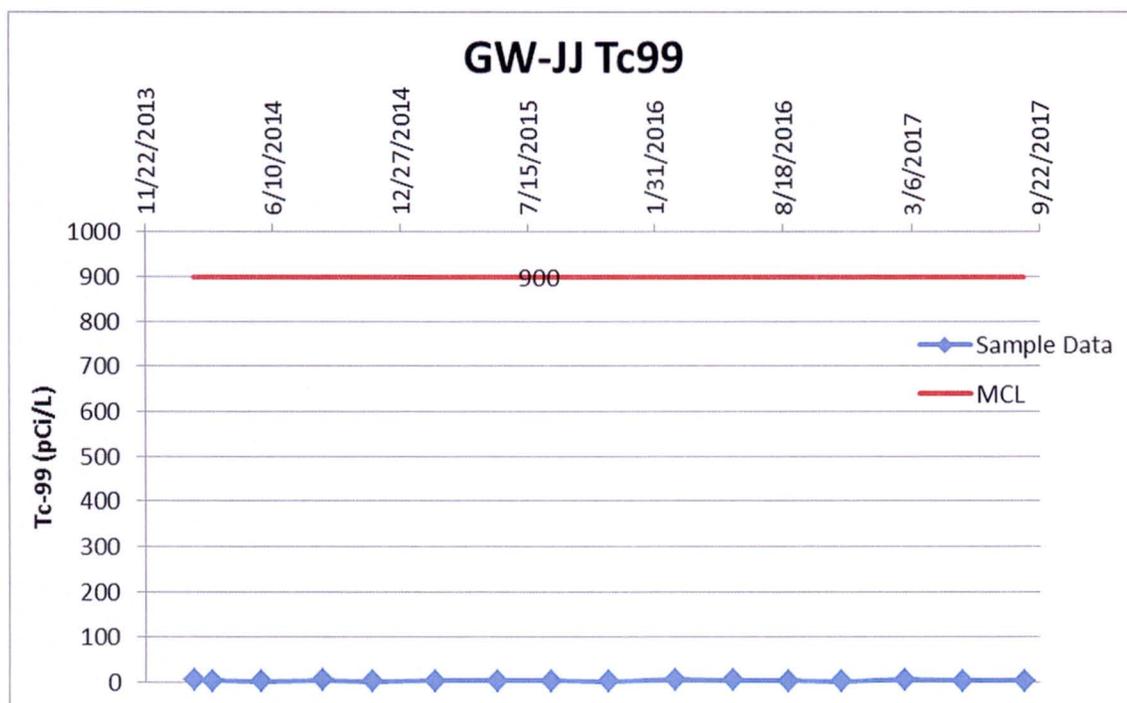
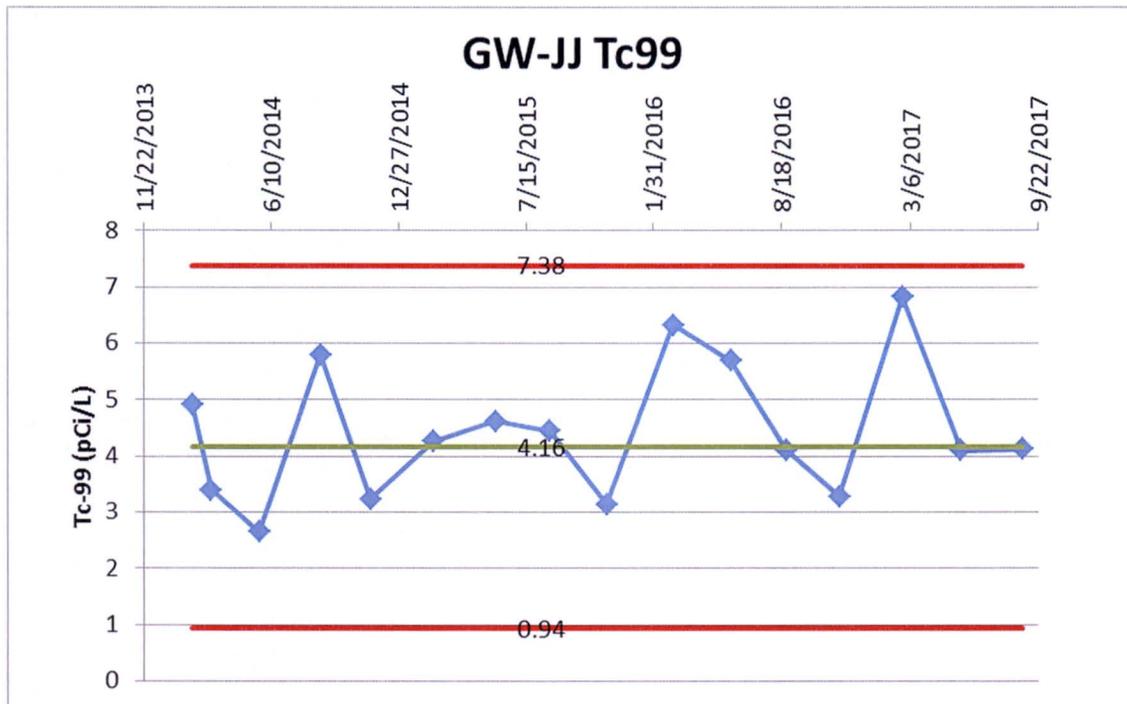
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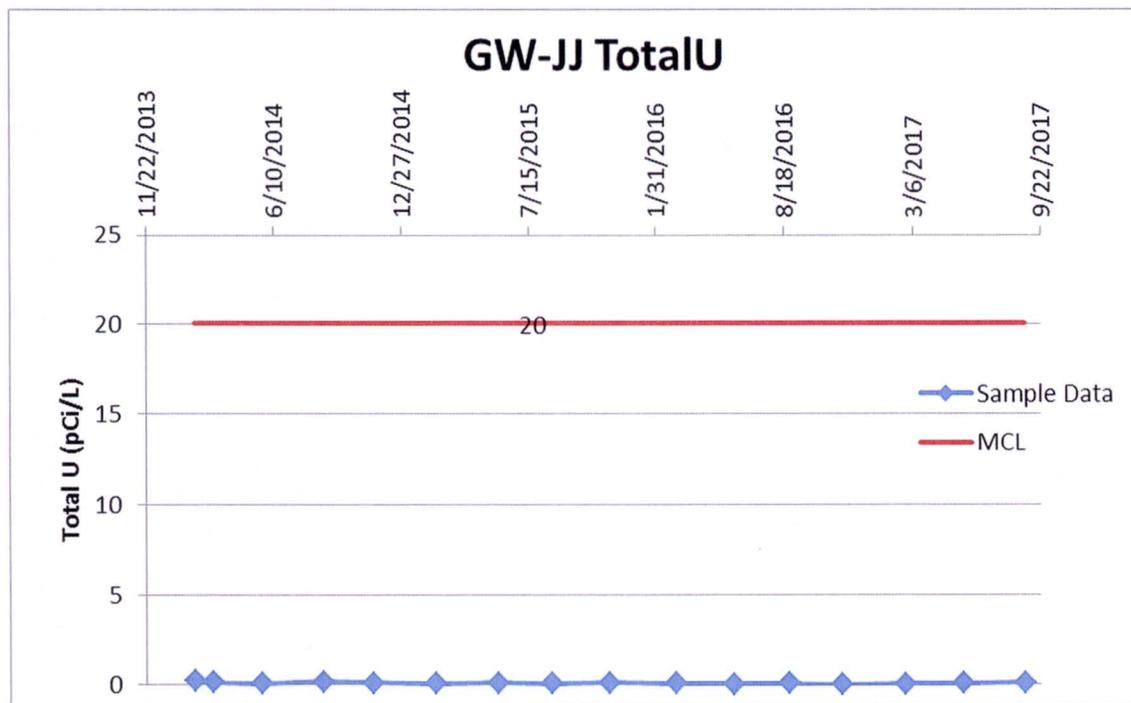
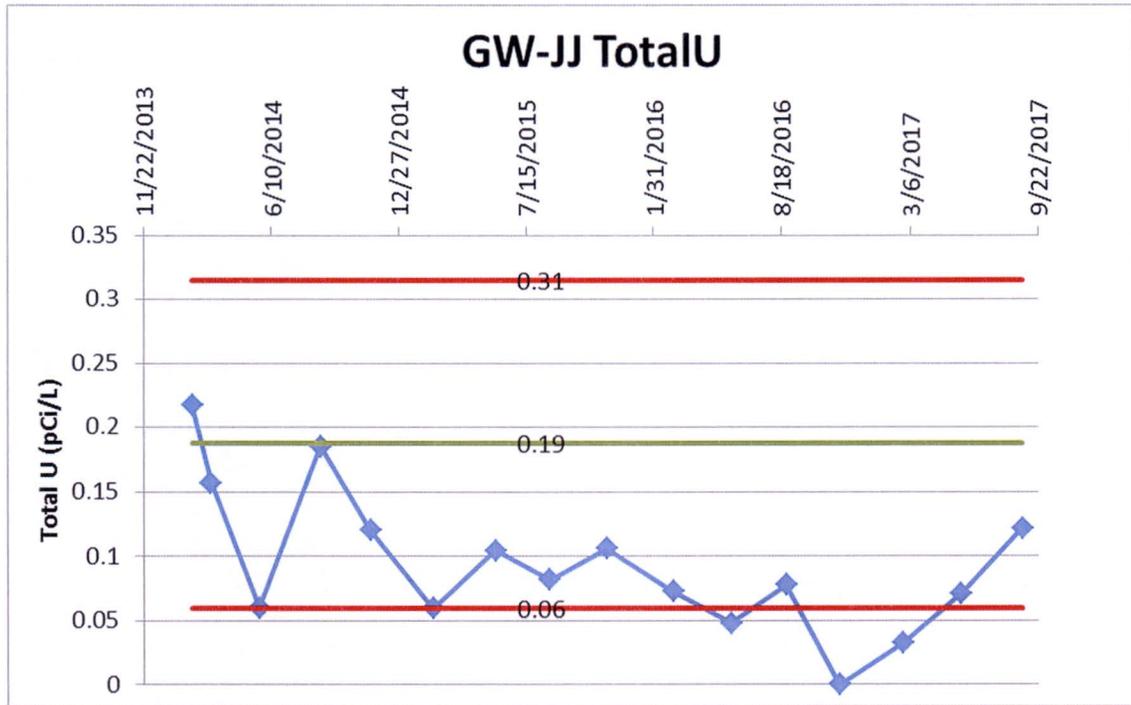
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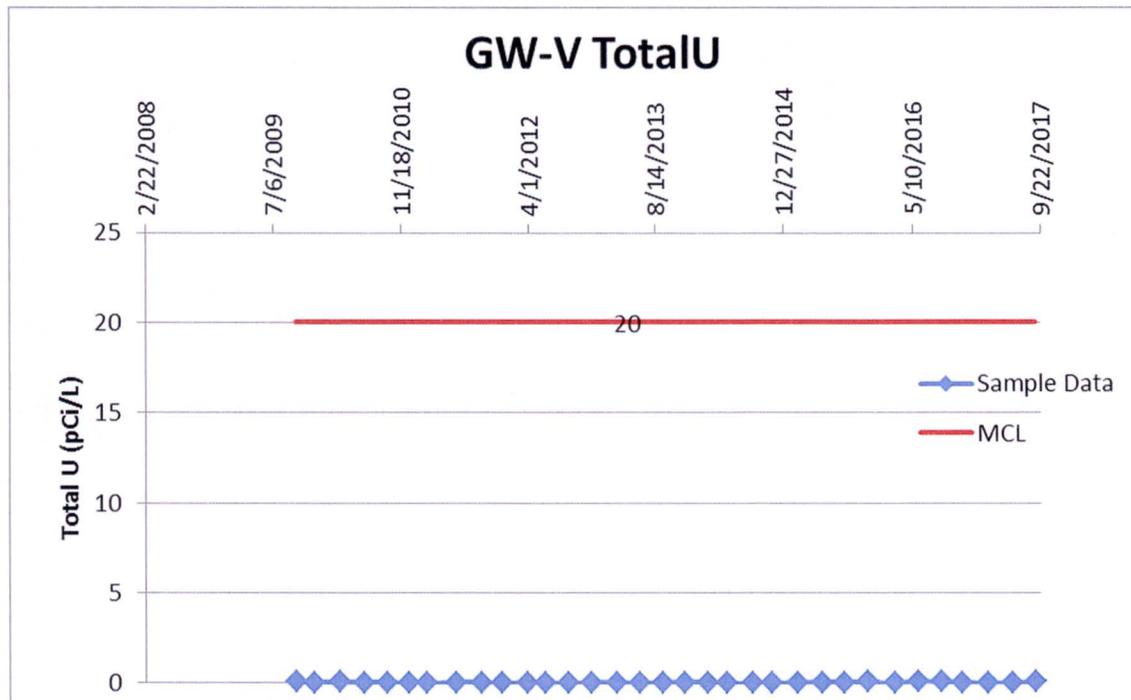
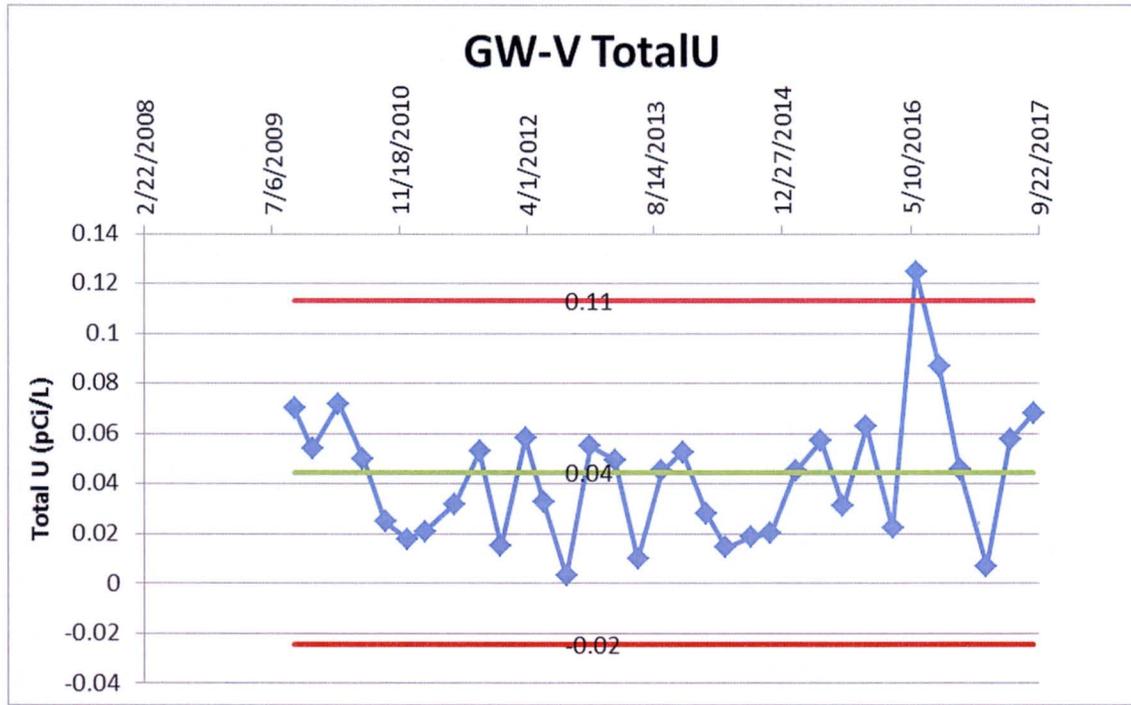
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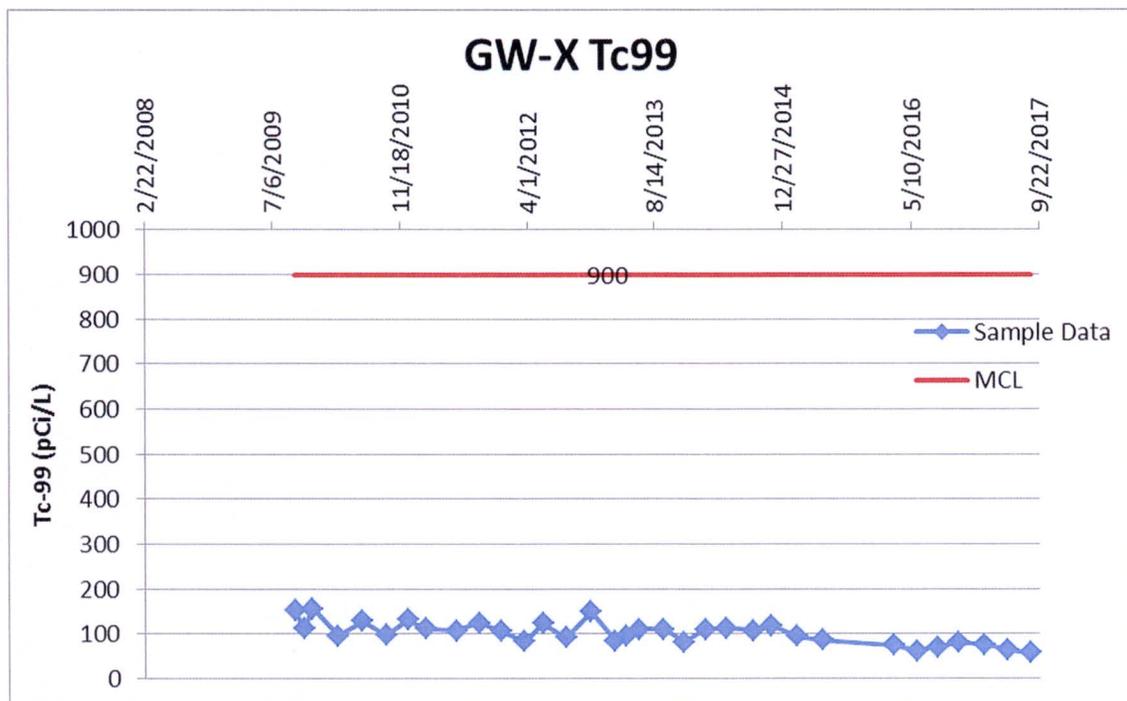
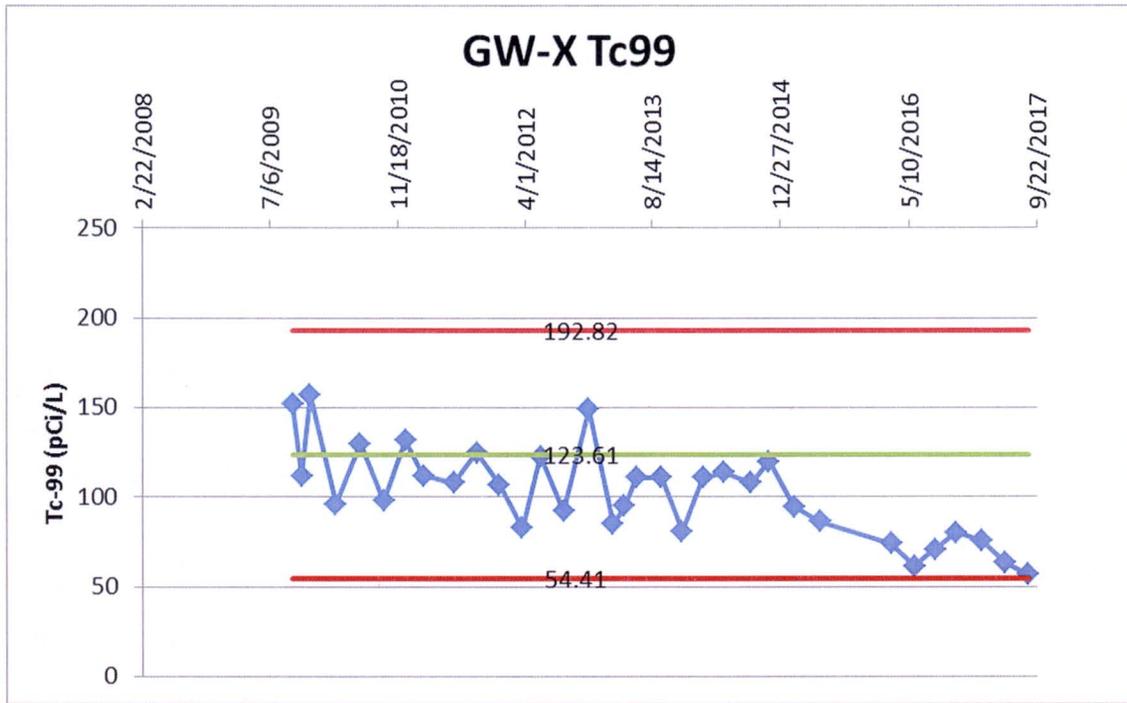
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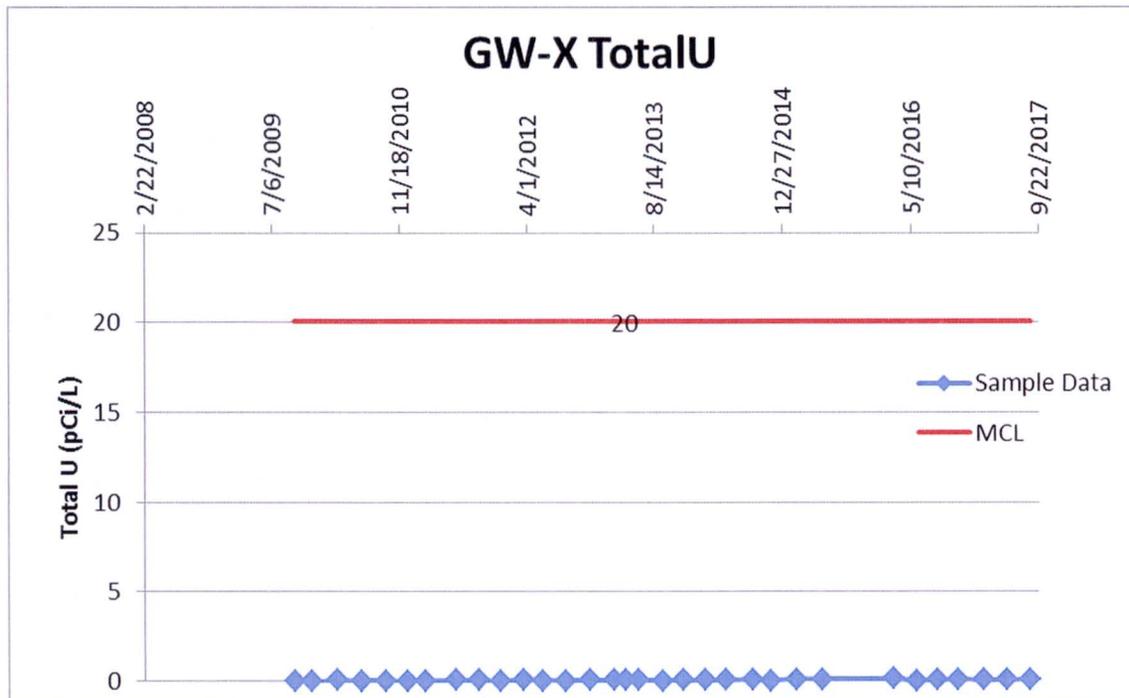
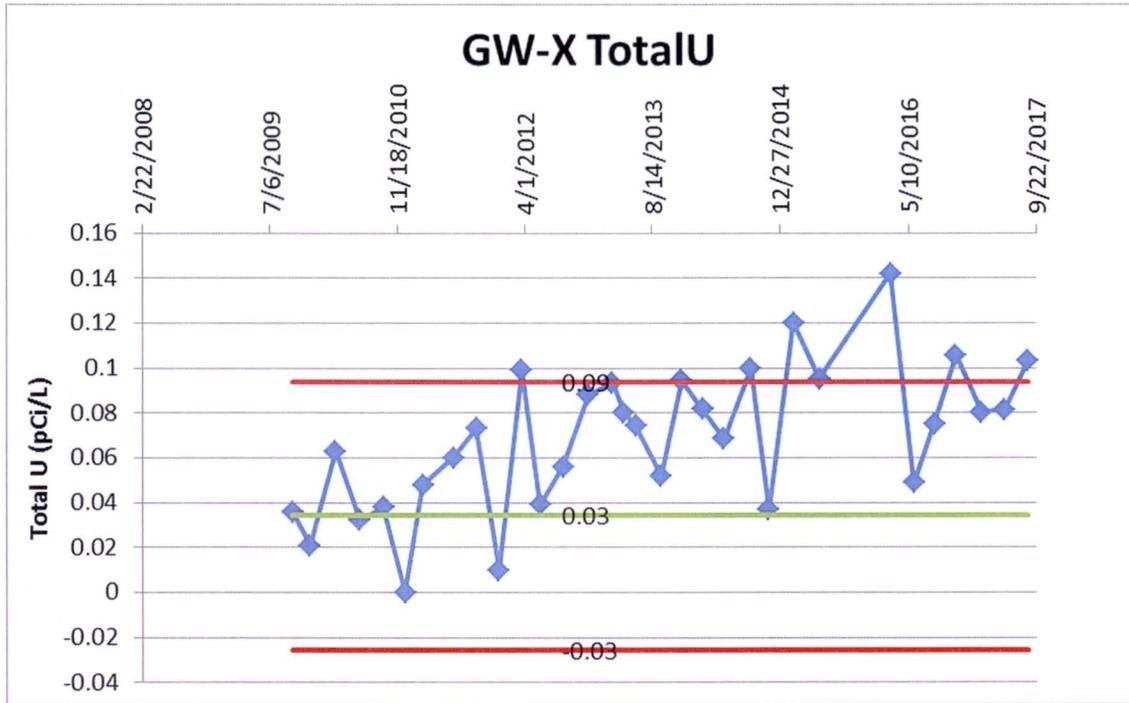
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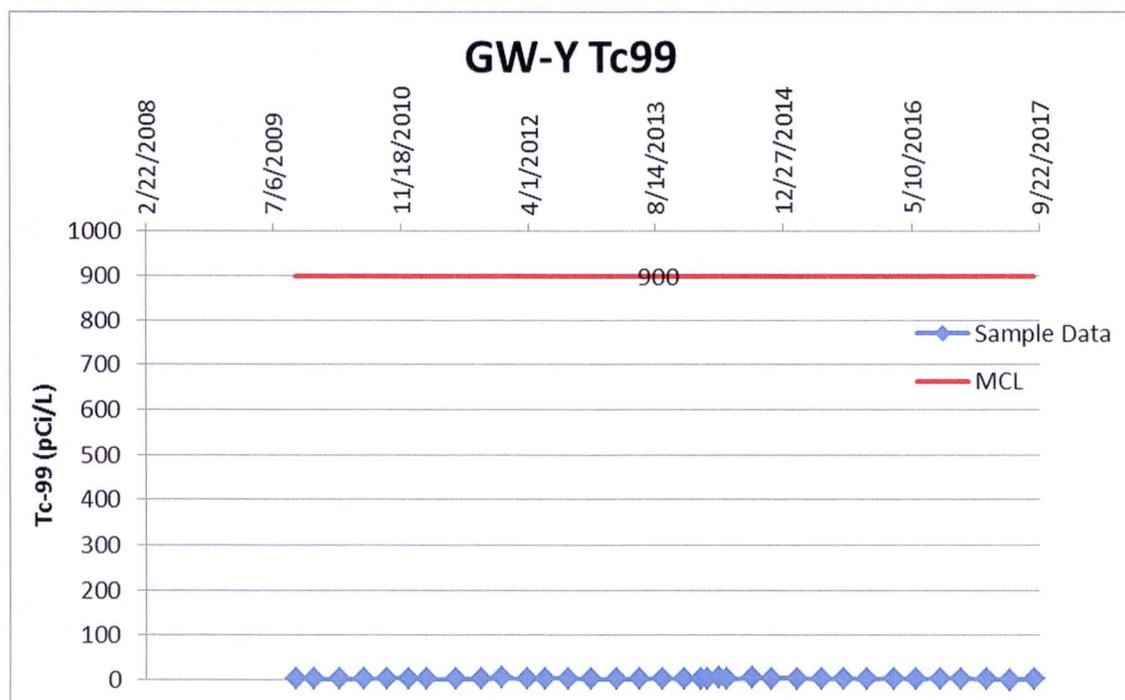
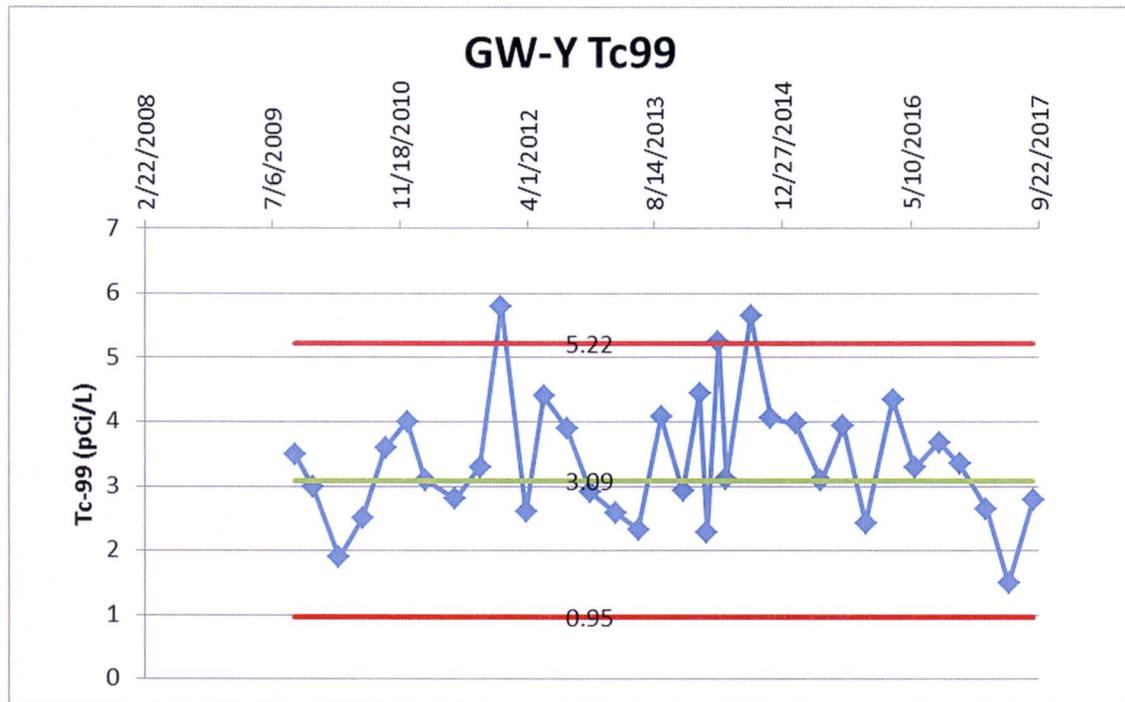
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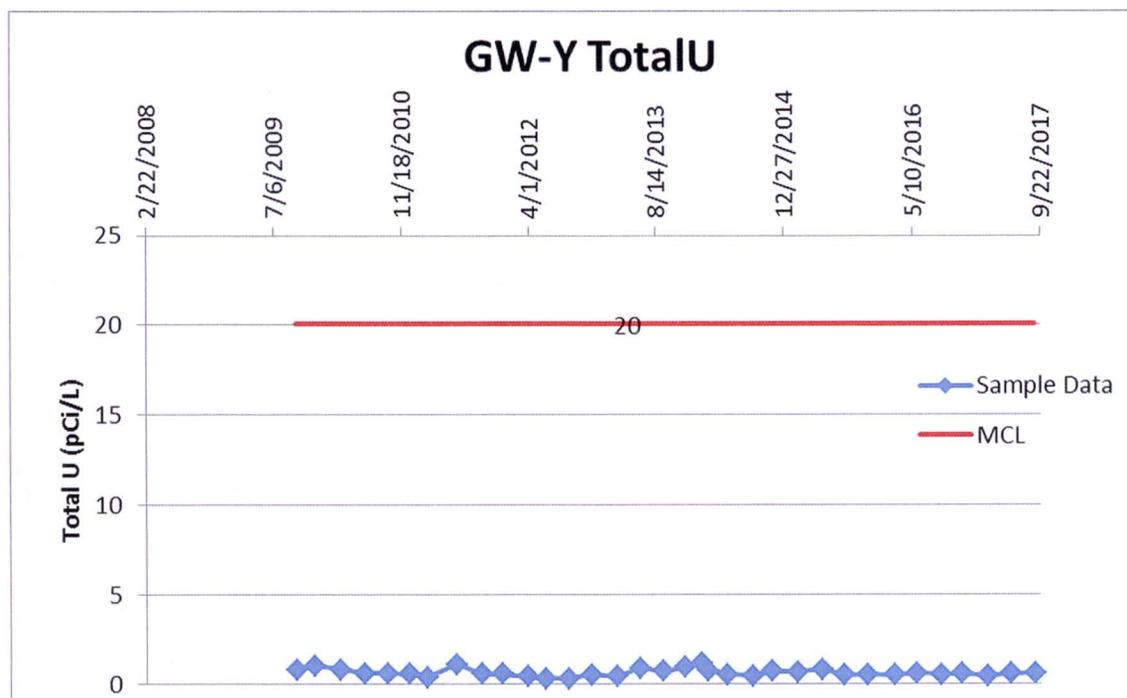
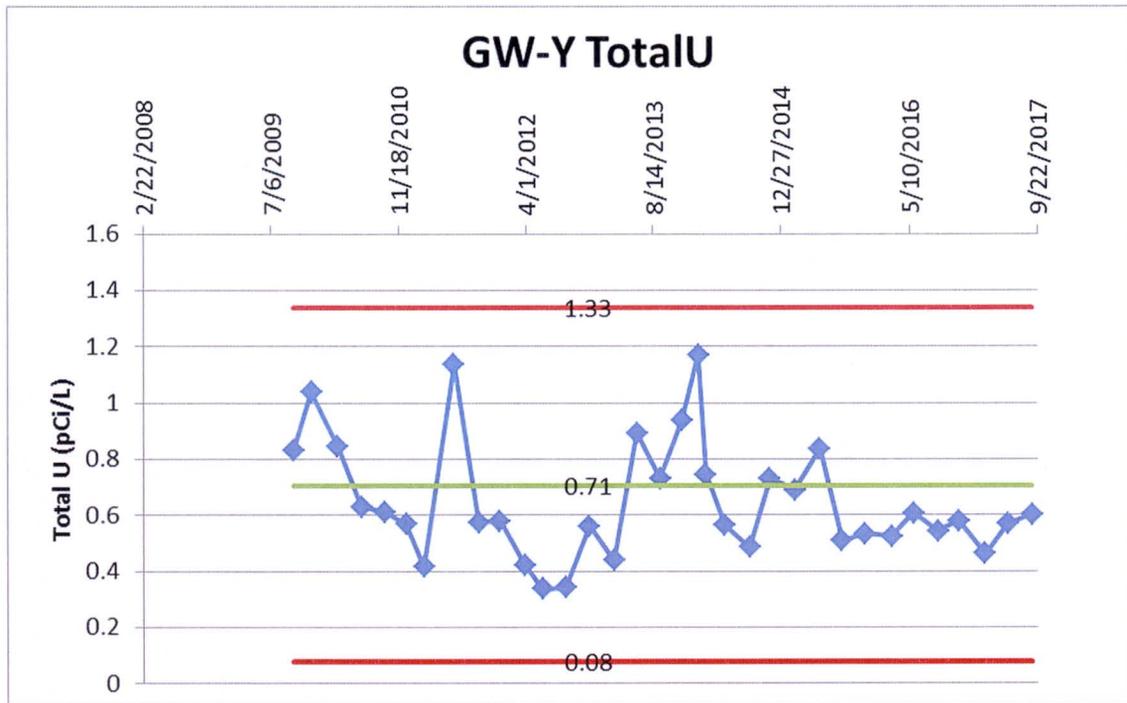
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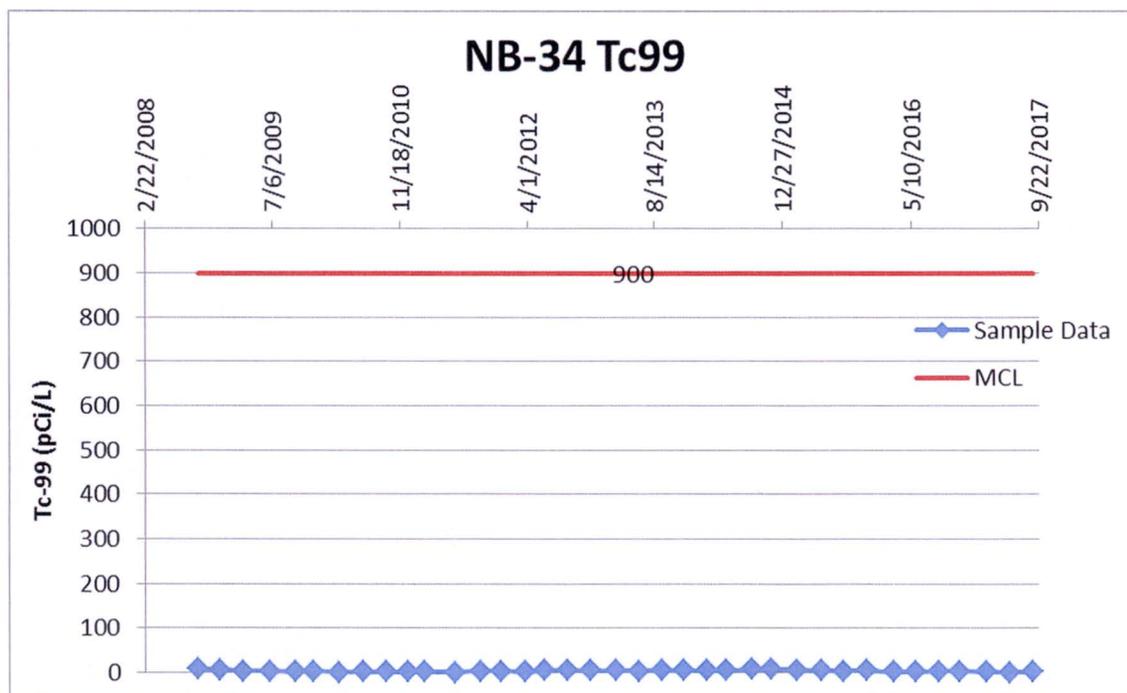
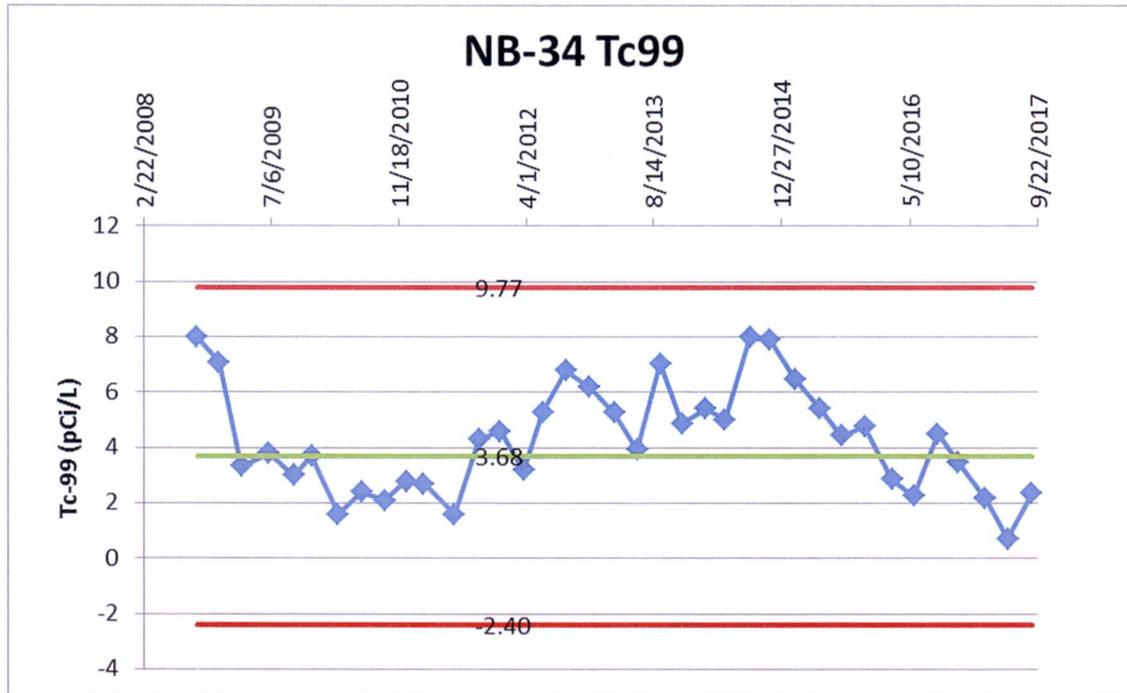
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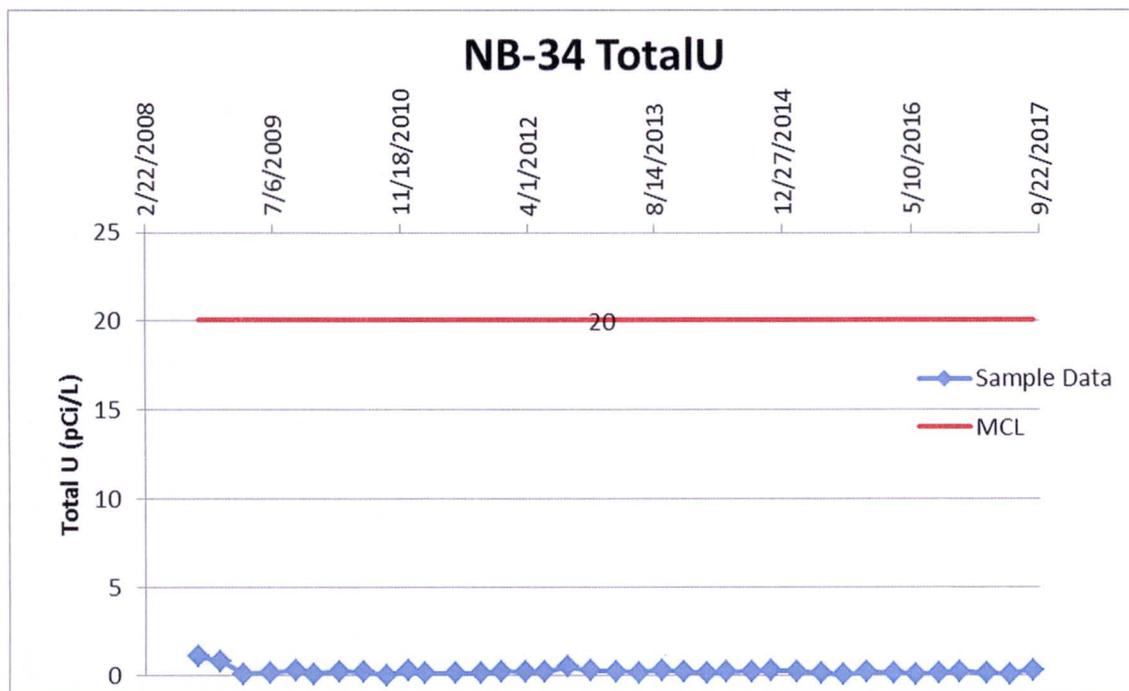
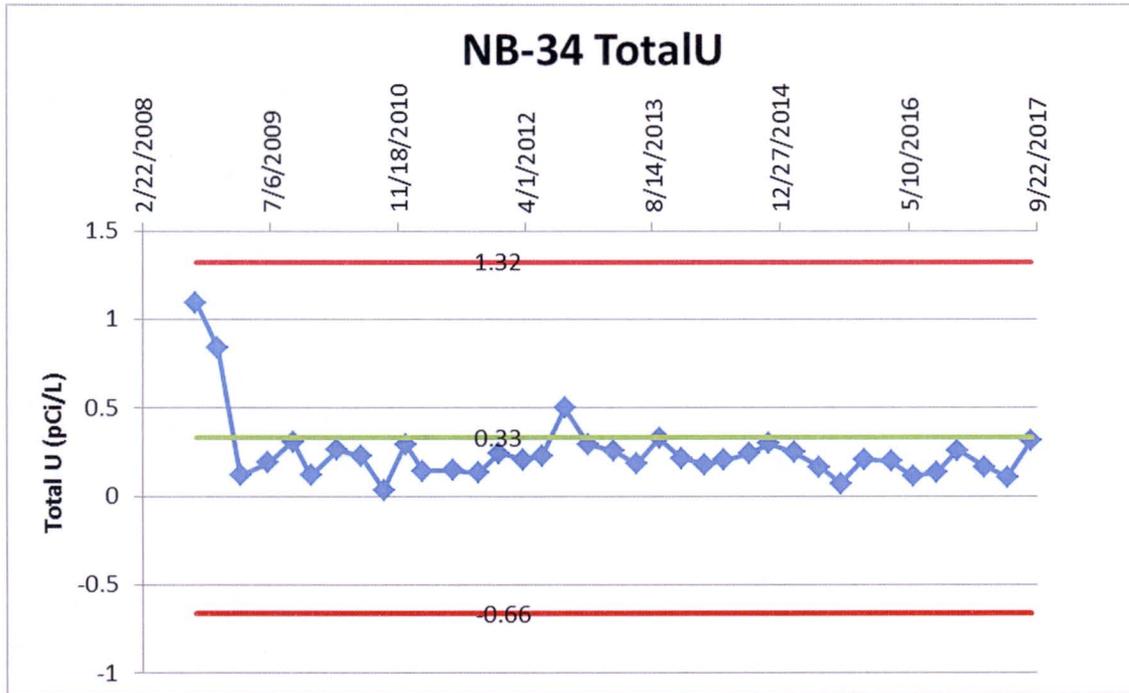
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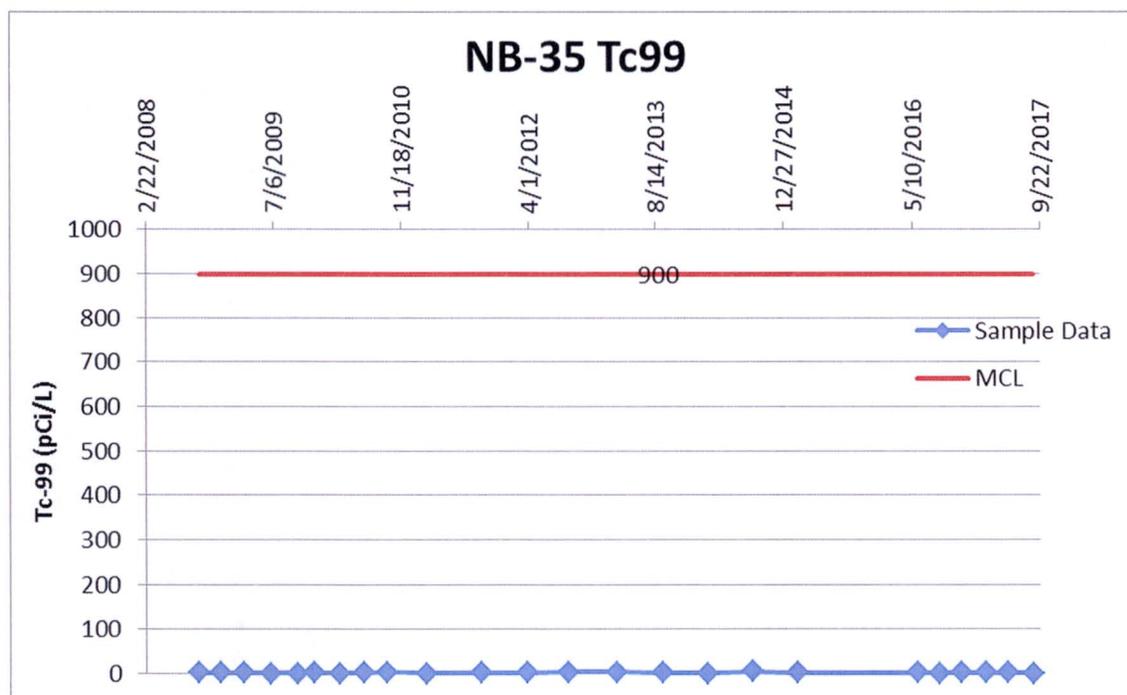
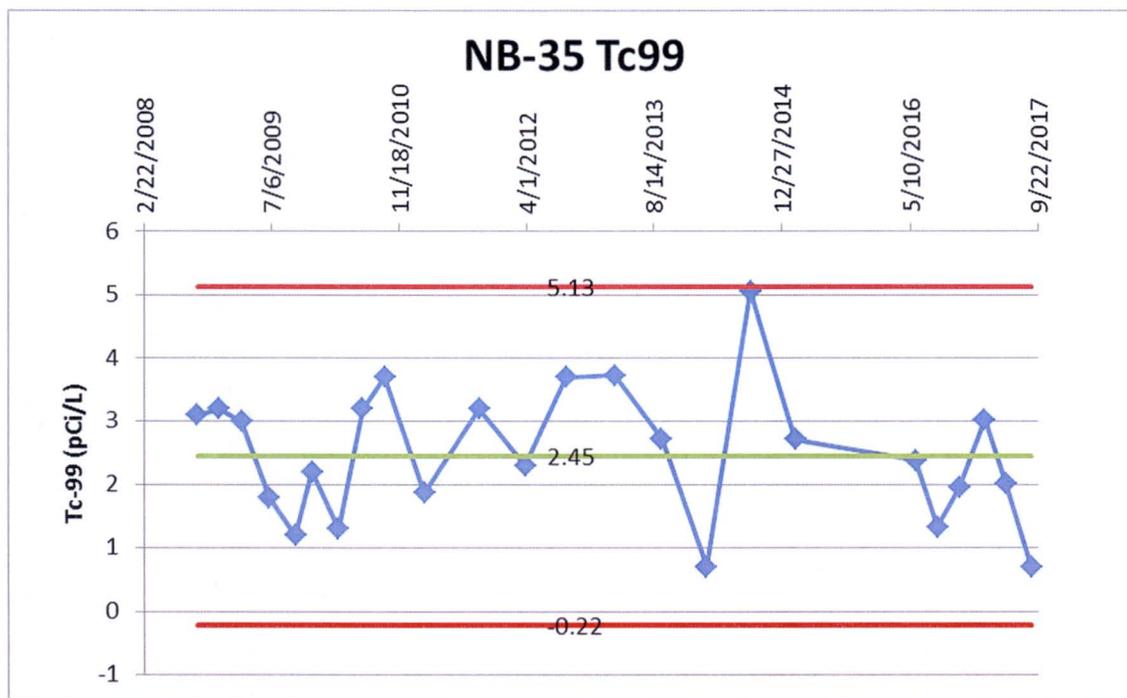
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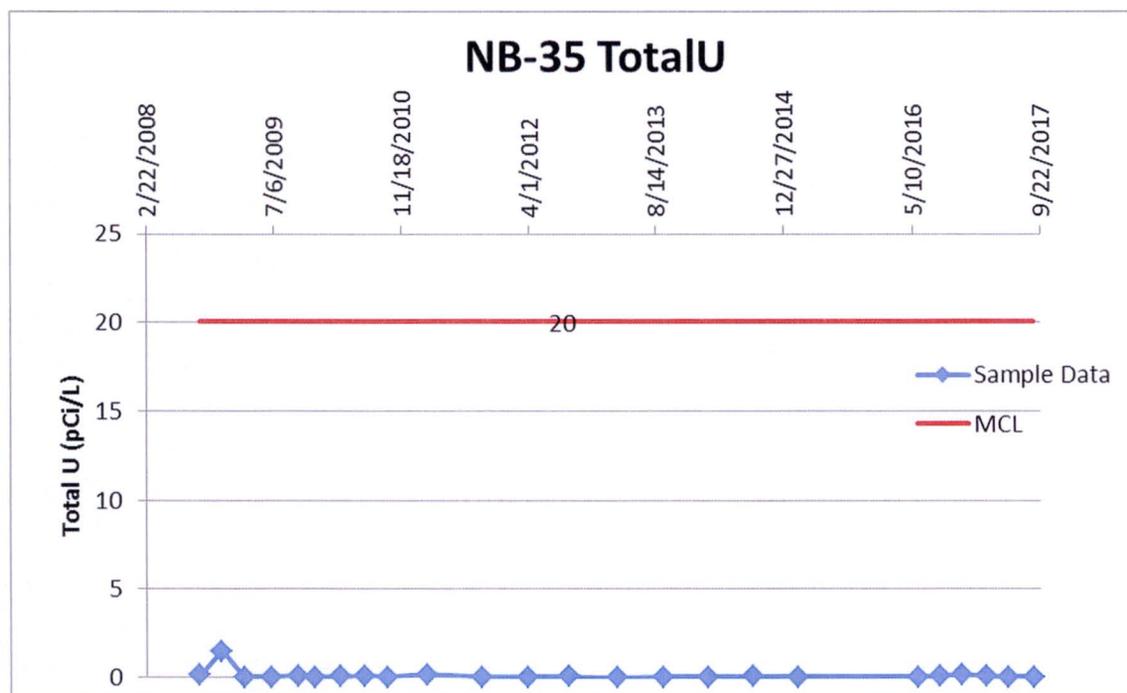
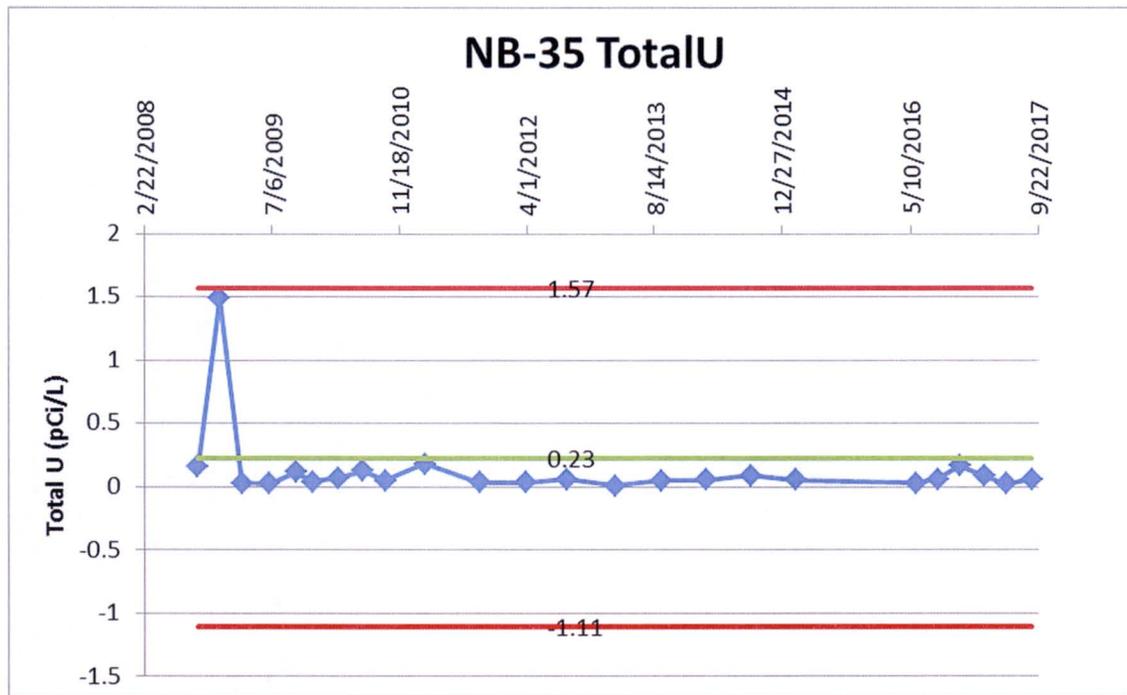
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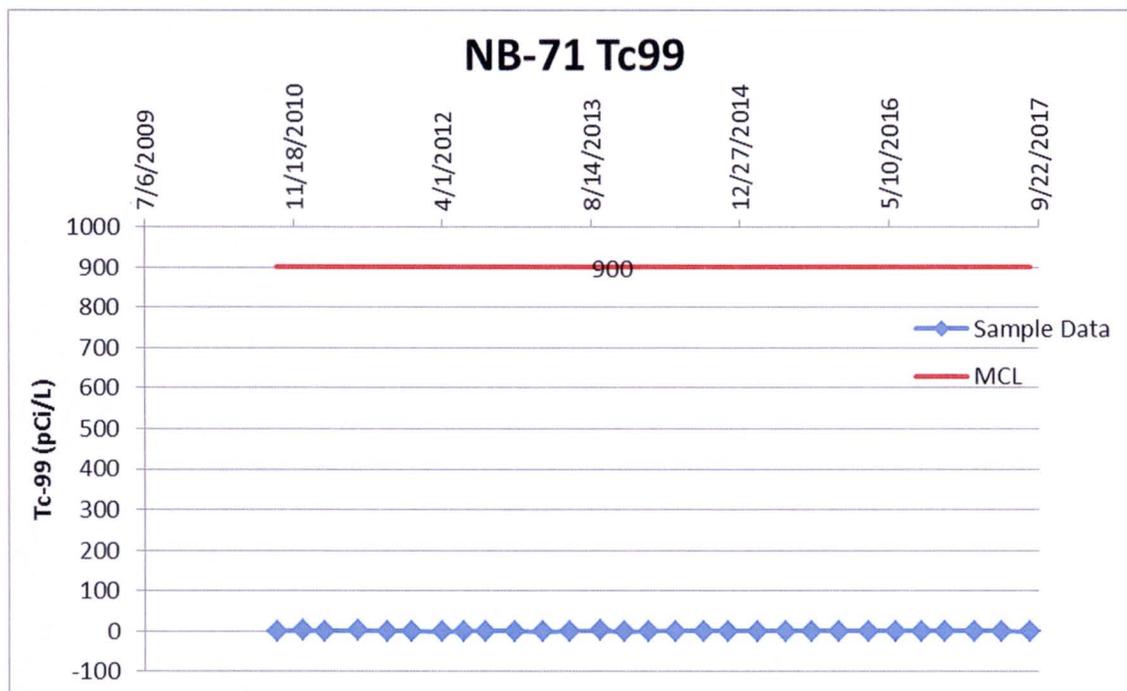
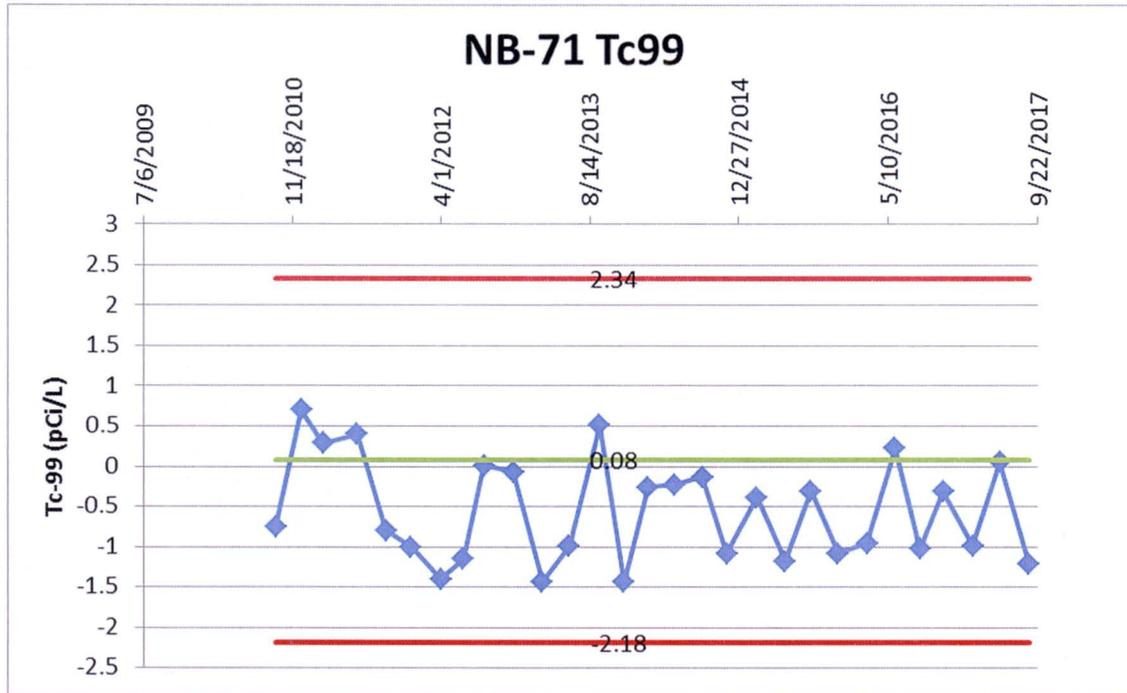
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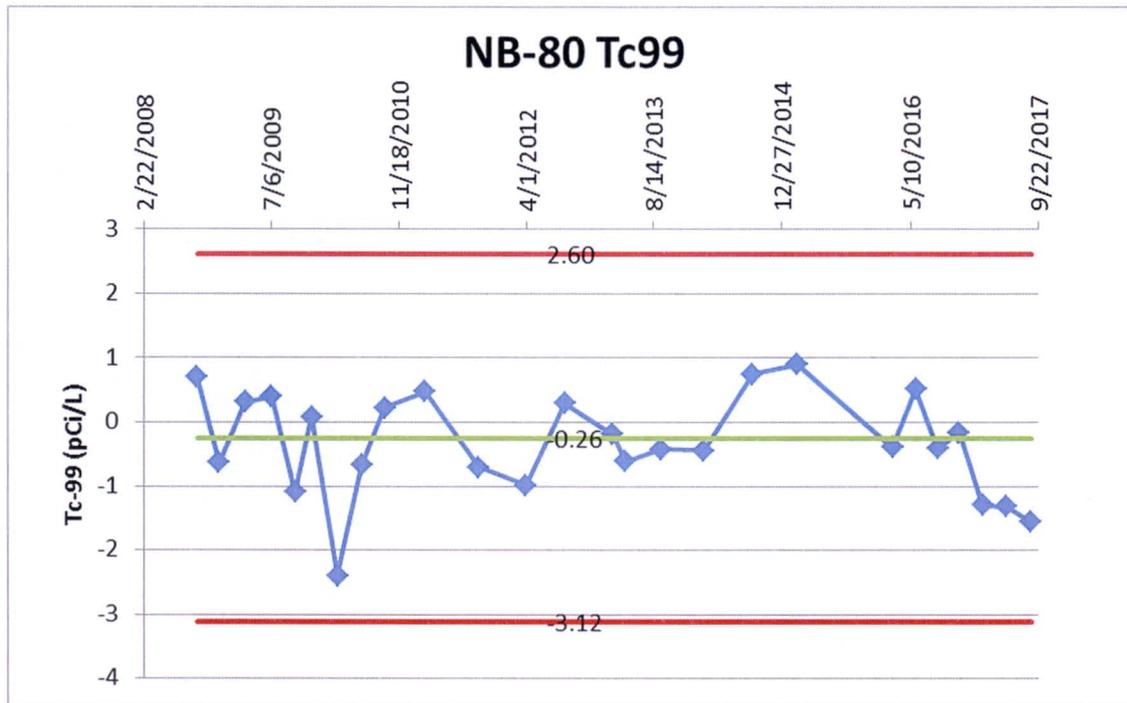
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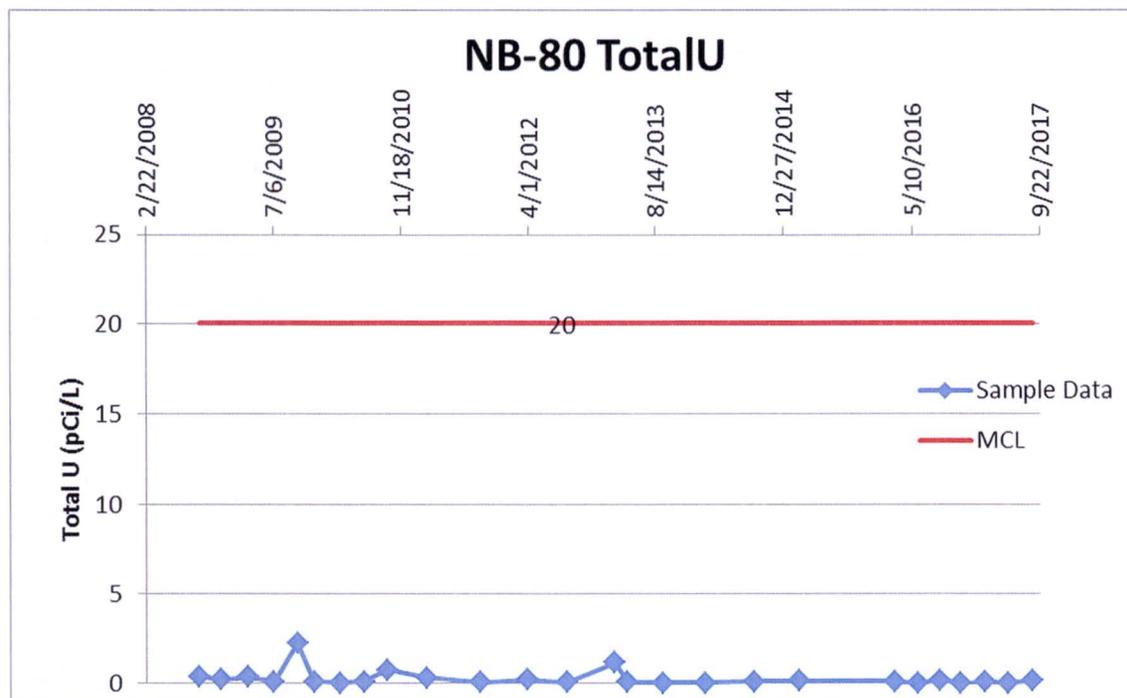
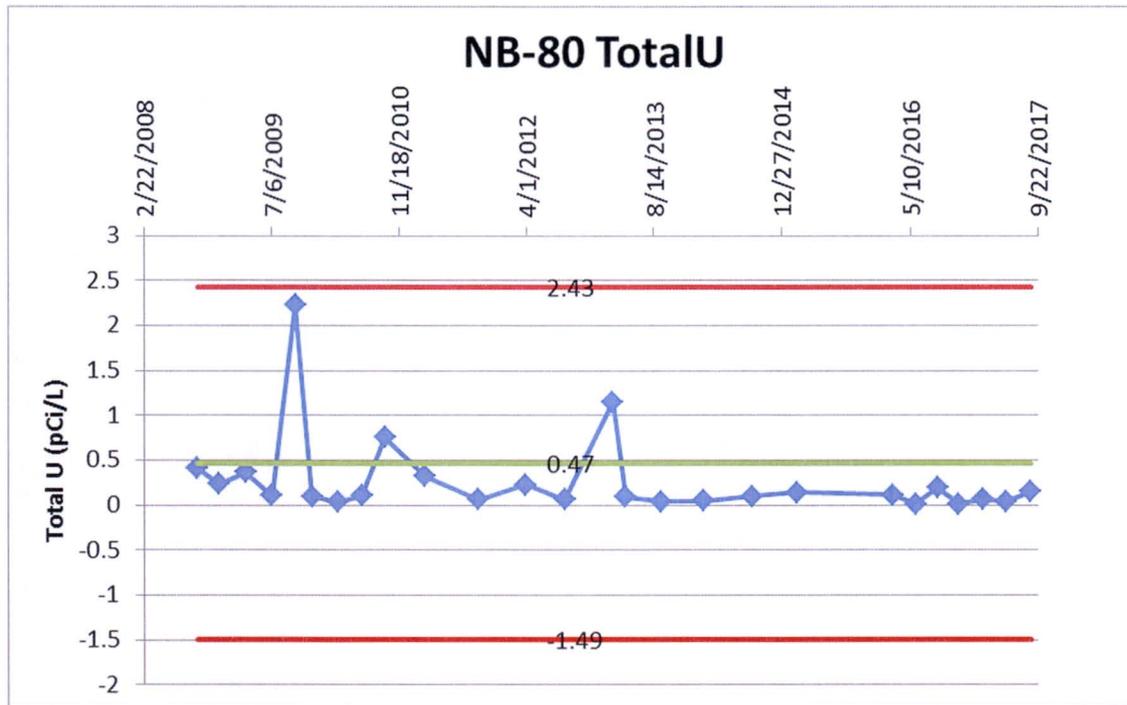
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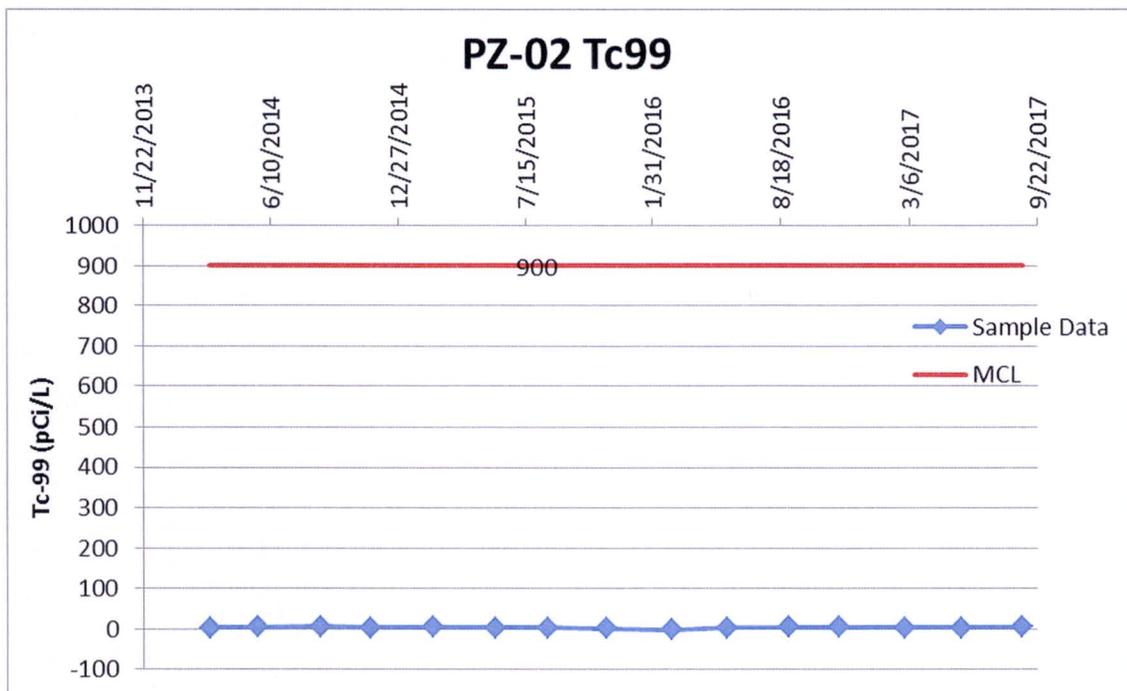
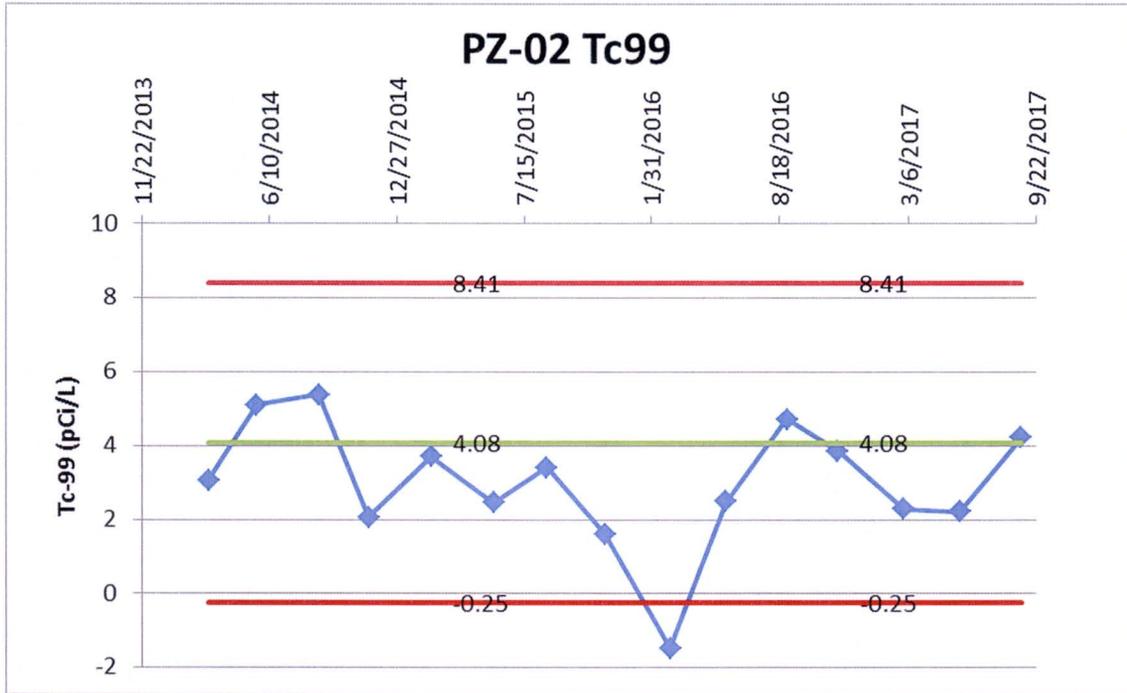
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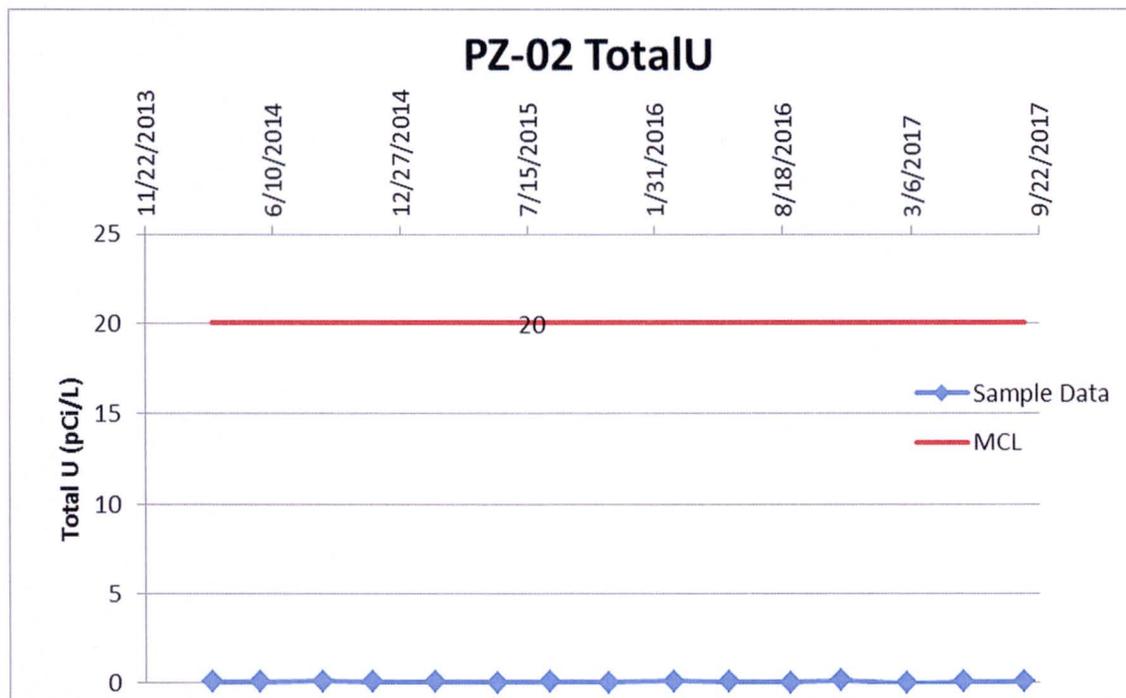
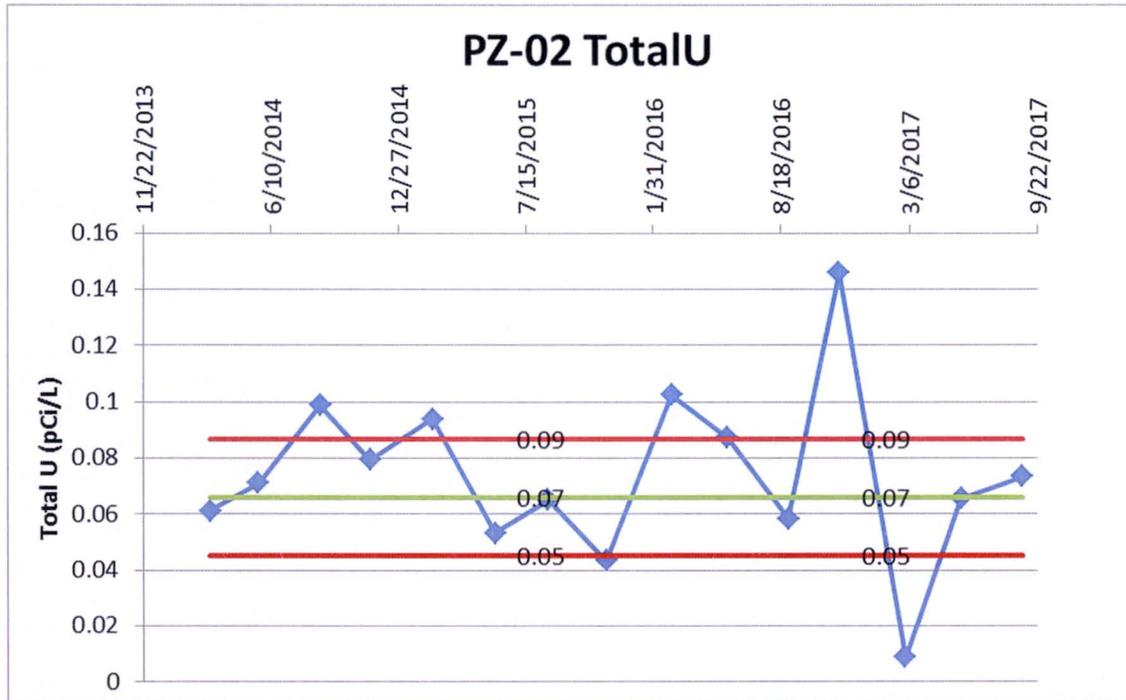
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Attachment 3

Quarterly Groundwater Elevation Contour Maps

6th Quarter Post-remediation Groundwater Elevation Contour Map
ROUBIDOUX HSU

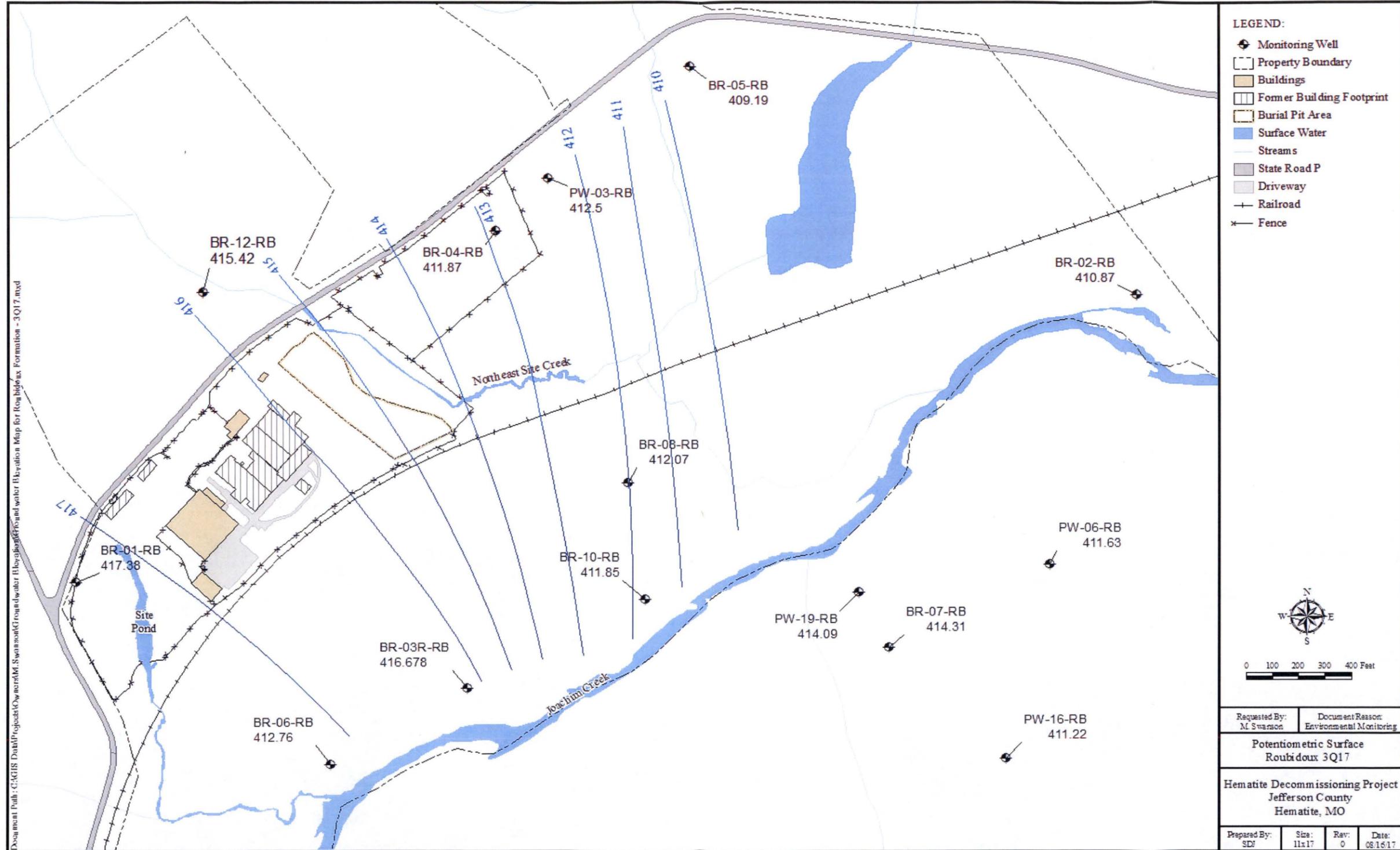


Figure 1-1
Post-remediation Groundwater Monitoring Well Network

