

Attachment B
Statistical Output

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 20

Maximum Baseline Concentration = 1940

Confidence Level = 95.2%

False Positive Rate = 4.8%

Baseline Measurements	Date	Value
	9/27/2018	1630
	5/7/2019	1240
	11/21/2019	1760
	6/25/2020	1940
	11/17/2020	1770
	5/26/2021	1790
	11/17/2021	1490
	4/8/2022	1720

Date	Count	Mean	Significant
4/8/2022	1	1720	FALSE

Concentrations (ppb)

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 303

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 75

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	75	0 (0%)	12/15/1994	367	367
			12/14/1995	334	334
			3/6/1996	384	384
			4/25/1996	363	363
			10/2/1996	365	365
			12/10/1996	346	346
			3/11/1997	350	350
			4/15/1997	330	330
			8/14/1997	400	400
			12/4/1997	380	380
			3/31/1998	360	360
			6/23/1998	390	390
			8/11/1998	389	389
			12/8/1998	376	376
			3/9/1999	340	340
			6/8/1999	395	395
			8/19/1999	400	400
			12/14/1999	360	360
			3/7/2000	384	384
			6/23/2000	364	364
			12/12/2000	450	450
			3/27/2001	362	362
			6/28/2001	340	340
			9/10/2001	326	326
			12/18/2001	326	326
			3/19/2002	330	330
			6/26/2002	350	350
			9/18/2002	353	353
			12/11/2002	344	344
			3/13/2003	320	320
			6/25/2003	336	336
			9/26/2003	320	320
			12/10/2003	324	324
			3/9/2004	329	329
			6/24/2004	348	348
			9/15/2004	332	332
			12/15/2004	327	327
			3/16/2005	340	340
			6/15/2005	330	330
			9/21/2005	347	347
			12/21/2005	340	340
			3/15/2006	320	320
			6/21/2006	314	314
			12/20/2006	300	300
			6/12/2007	310	310

12/17/2007	330	330
6/11/2008	370	370
12/3/2008	344	344
6/17/2009	350	350
12/9/2009	370	370
6/17/2010	380	380
12/22/2010	370	370
6/29/2011	366	366
12/7/2011	370	370
6/6/2012	384	384
12/12/2012	330	330
6/19/2013	360	360
12/11/2013	358	358
6/11/2014	342	342
12/3/2014	368	368
6/17/2015	380	380
12/1/2015	383	383
6/22/2016	390	390
12/20/2016	395.4	395.4
6/6/2017	398	398
11/7/2017	394	394
2/27/2018	384	384
9/27/2018	360	360
5/7/2019	550	550
11/21/2019	480	480
6/25/2020	542	542
11/17/2020	473	473
5/26/2021	441	441
11/17/2021	393	393
4/8/2022	406	406

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	76	0 (0%)	12/15/1994	170	170
			12/14/1995	191	191
			3/6/1996	308	308
			4/25/1996	340	340
			10/2/1996	340	340
			12/10/1996	270	270
			3/11/1997	210	210
			4/15/1997	220	220
			8/14/1997	240	240
			12/4/1997	200	200
			3/31/1998	184	184
			6/23/1998	250	250
			8/11/1998	208	208
			12/8/1998	200	200
			3/9/1999	224	224
			6/8/1999	220	220
			8/19/1999	226	226
			12/14/1999	240	240
			3/7/2000	244	244
			6/23/2000	264	264
12/12/2000	220	220			
3/27/2001	215	215			

6/28/2001	240	240
9/10/2001	208	208
12/18/2001	235	235
3/19/2002	263	263
6/26/2002	290	290
9/18/2002	256	256
12/11/2002	249	249
3/13/2003	240	240
6/25/2003	246	246
9/26/2003	250	250
12/10/2003	200	200
3/9/2004	280	280
6/24/2004	329	329
9/15/2004	272	272
12/15/2004	288	288
3/16/2005	240	240
6/15/2005	246	246
9/21/2005	228	228
12/21/2005	232	232
3/15/2006	250	250
6/21/2006	290	290
12/20/2006	356	356
2/21/2007	340	340
6/12/2007	312	312
12/17/2007	210	210
6/11/2008	240	240
12/3/2008	280	280
6/17/2009	250	250
12/9/2009	236	236
6/17/2010	252	252
12/22/2010	240	240
6/29/2011	266	266
12/7/2011	288	288
6/6/2012	256	256
12/12/2012	248	248
6/19/2013	364	364
12/11/2013	328	328
6/11/2014	342	342
12/3/2014	296	296
6/17/2015	384	384
12/1/2015	226	226
6/22/2016	176	176
12/20/2016	162.2	162.2
6/6/2017	246	246
11/7/2017	430	430
2/27/2018	282	282
9/27/2018	270	270
5/7/2019	360	360
11/21/2019	360	360
6/25/2020	261	261
11/16/2020	266	266
5/26/2021	201	201
11/17/2021	108	108
4/8/2022	144	144

MW#93-3	75	0 (0%)	12/15/1994	240	240
			12/14/1995	206	206

3/6/1996	226	226
4/25/1996	228	228
10/2/1996	240	240
12/10/1996	225	225
3/11/1997	210	210
4/15/1997	200	200
8/14/1997	255	255
12/4/1997	140	140
3/31/1998	240	240
6/23/1998	225	225
8/11/1998	224	224
12/8/1998	214	214
3/9/1999	234	234
6/8/1999	236	236
8/19/1999	260	260
12/14/1999	300	300
3/7/2000	264	264
6/23/2000	244	244
12/12/2000	320	320
3/27/2001	254	254
6/28/2001	255	255
9/10/2001	332	332
12/18/2001	230	230
3/19/2002	255	255
6/26/2002	250	250
9/18/2002	268	268
12/11/2002	268	268
3/13/2003	247	247
6/25/2003	252	252
9/26/2003	244	244
12/10/2003	271	271
3/9/2004	284	284
6/24/2004	309	309
9/15/2004	264	264
12/15/2004	254	254
3/16/2005	290	290
6/15/2005	268	268
9/21/2005	264	264
12/21/2005	246	246
3/15/2006	227	227
6/21/2006	253	253
12/20/2006	250	250
6/12/2007	280	280
12/17/2007	290	290
6/11/2008	300	300
12/3/2008	226	226
6/17/2009	240	240
12/9/2009	214	214
6/17/2010	296	296
12/22/2010	230	230
6/29/2011	256	256
12/7/2011	244	244
6/6/2012	288	288
12/12/2012	226	226
6/19/2013	316	316
12/11/2013	262	262
6/11/2014	338	338

			12/3/2014	262	262
			6/17/2015	388	388
			5/25/2016	440	440
			6/22/2016	330	330
			12/20/2016	330.4	330.4
			6/6/2017	304	304
			11/7/2017	409	409
			2/27/2018	368	368
			9/27/2018	375	375
			5/7/2019	585	585
			11/21/2019	525	525
			6/25/2020	619	619
			11/16/2020	549	549
			5/26/2021	576	576
			11/17/2021	527	527
			4/8/2022	590	590
<hr/>					
MW#03-1	36	0 (0%)	6/24/2004	209	209
			9/15/2004	220	220
			12/15/2004	184	184
			3/16/2005	160	160
			6/15/2005	252	252
			9/21/2005	180	180
			12/20/2006	204	204
			6/12/2007	200	200
			12/17/2007	190	190
			6/11/2008	200	200
			12/3/2008	206	206
			6/17/2009	204	204
			12/9/2009	216	216
			6/17/2010	232	232
			12/22/2010	216	216
			6/29/2011	210	210
			12/7/2011	222	222
			6/6/2012	216	216
			6/19/2013	144	144
			12/11/2013	212	212
			6/11/2014	222	222
			12/3/2014	194	194
			6/17/2015	134	134
			12/1/2015	150	150
			6/22/2016	130	130
			12/20/2016	211.6	211.6
			6/6/2017	56	56
			11/7/2017	217	217
			2/27/2018	72	72
			5/7/2019	55	55
			11/21/2019	55	55
			6/25/2020	126	126
			11/17/2020	234	234
			5/26/2021	30.2	30.2
			11/16/2021	103	103
			4/8/2022	40.8	40.8
<hr/>					
MW#03-2	41	0 (0%)	6/24/2004	235	235
			9/15/2004	200	200
			12/15/2004	222	222

3/16/2005	220	220
6/15/2005	252	252
9/21/2005	224	224
12/21/2005	230	230
3/15/2006	220	220
6/21/2006	228	228
12/20/2006	220	220
6/12/2007	228	228
12/17/2007	200	200
6/11/2008	200	200
12/3/2008	210	210
6/17/2009	200	200
12/9/2009	208	208
6/17/2010	216	216
12/22/2010	230	230
6/29/2011	224	224
12/7/2011	236	236
6/6/2012	230	230
12/12/2012	242	242
6/19/2013	232	232
12/11/2013	230	230
6/11/2014	92	92
12/3/2014	76	76
6/17/2015	220	220
12/1/2015	214	214
6/22/2016	204	204
12/20/2016	199.4	199.4
6/6/2017	192	192
11/7/2017	192	192
2/27/2018	196	196
9/27/2018	185	185
5/7/2019	220	220
11/21/2019	220	220
6/25/2020	223	223
11/17/2020	209	209
5/26/2021	220	220
11/17/2021	208	208
4/8/2022	230	230

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 75

Maximum Background Value = 550

Confidence Level = 94.9%

False Positive Rate = 5.1%

Location	Date	Count	Mean	Significant
MW#93-2	4/8/2022	1	144	FALSE
MW#93-3	4/8/2022	1	590	TRUE
MW#03-1	4/8/2022	1	40.8	FALSE
MW#03-2	4/8/2022	1	230	FALSE

Shapiro-Francia Test of Normality

Parameter: Alkalinity

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 303

i	x(i)	m(i)	sum(m²)	sum(mx)
1	30.2	-2.74777	7.55021	-82.9825
2	40.8	-2.51213	13.861	-185.478
3	55	-2.36561	19.4572	-315.586
4	55	-2.22621	24.4132	-438.028
5	56	-2.14441	29.0116	-558.114
6	72	-2.07485	33.3166	-707.504
7	76	-1.99539	37.2982	-859.154
8	92	-1.94314	41.074	-1037.92
9	103	-1.8957	44.6677	-1233.18
10	108	-1.85218	48.0982	-1433.21
11	126	-1.79912	51.3351	-1659.9
12	130	-1.76241	54.4411	-1889.02
13	134	-1.72793	57.4269	-2120.56
14	140	-1.68494	60.2659	-2356.45
15	144	-1.65463	63.0037	-2594.72
16	144	-1.62576	65.6468	-2828.83
17	150	-1.59819	68.201	-3068.55
18	160	-1.56322	70.6447	-3318.67
19	162.2	-1.5382	73.0107	-3568.17
20	170	-1.5141	75.3032	-3825.56
21	176	-1.48328	77.5034	-4086.62
22	180	-1.46106	79.6381	-4349.61
23	184	-1.43953	81.7103	-4614.49
24	184	-1.41865	83.7229	-4875.52
25	185	-1.39175	85.6598	-5132.99
26	190	-1.3722	87.5428	-5393.71
27	191	-1.35317	89.3739	-5652.17
28	192	-1.32854	91.1389	-5907.24
29	192	-1.31058	92.8565	-6158.88
30	194	-1.29303	94.5284	-6409.72
31	196	-1.27588	96.1563	-6659.8
32	199.4	-1.25357	97.7277	-6909.76
33	200	-1.23724	99.2585	-7157.2
34	200	-1.22123	100.75	-7401.45
35	200	-1.20036	102.191	-7641.52
36	200	-1.18504	103.595	-7878.53
37	200	-1.17	104.964	-8112.53
38	200	-1.15035	106.287	-8342.6
39	200	-1.1359	107.578	-8569.78
40	200	-1.12168	108.836	-8794.12
41	200	-1.10768	110.063	-9015.65
42	200	-1.08935	111.249	-9233.52
43	201	-1.07584	112.407	-9449.76
44	204	-1.06252	113.536	-9666.52
45	204	-1.04505	114.628	-9879.71
46	204	-1.03215	115.693	-10090.3
47	206	-1.01943	116.732	-10300.3

48	206	-1.00687	117.746	-10507.7
49	208	-0.990356	118.727	-10713.7
50	208	-0.97815	119.684	-10917.1
51	208	-0.966088	120.617	-11118.1
52	208	-0.950222	121.52	-11315.7
53	209	-0.938476	122.401	-11511.9
54	209	-0.926859	123.26	-11705.6
55	210	-0.915365	124.098	-11897.8
56	210	-0.900227	124.908	-12086.9
57	210	-0.889006	125.698	-12273.5
58	210	-0.877897	126.469	-12457.9
59	210	-0.863249	127.214	-12639.2
60	211.6	-0.852385	127.941	-12819.6
61	212	-0.841621	128.649	-12998
62	214	-0.830953	129.34	-13175.8
63	214	-0.816874	130.007	-13350.6
64	214	-0.806422	130.657	-13523.2
65	215	-0.796056	131.291	-13694.3
66	216	-0.782366	131.903	-13863.3
67	216	-0.772193	132.499	-14030.1
68	216	-0.7621	133.08	-14194.7
69	216	-0.752084	133.646	-14357.2
70	217	-0.738846	134.192	-14517.5
71	220	-0.729003	134.723	-14677.9
72	220	-0.719228	135.24	-14836.1
73	220	-0.706302	135.739	-14991.5
74	220	-0.696684	136.225	-15144.8
75	220	-0.687131	136.697	-15296
76	220	-0.67449	137.152	-15444.3
77	220	-0.665079	137.594	-15590.7
78	220	-0.655726	138.024	-15734.9
79	220	-0.646431	138.442	-15877.1
80	220	-0.634124	138.844	-16016.6
81	220	-0.624956	139.235	-16154.1
82	222	-0.615839	139.614	-16290.8
83	222	-0.603765	139.978	-16424.9
84	222	-0.594766	140.332	-16556.9
85	223	-0.585815	140.675	-16687.6
86	224	-0.576911	141.008	-16816.8
87	224	-0.565108	141.328	-16943.4
88	224	-0.556308	141.637	-17068
89	224	-0.547551	141.937	-17190.6
90	225	-0.53594	142.224	-17311.2
91	225	-0.52728	142.502	-17429.9
92	226	-0.518658	142.771	-17547.1
93	226	-0.510074	143.031	-17662.4
94	226	-0.498687	143.28	-17775.1
95	226	-0.490189	143.52	-17885.8
96	226	-0.481728	143.752	-17994.7
97	227	-0.470498	143.974	-18101.5
98	228	-0.462114	144.187	-18206.9
99	228	-0.453763	144.393	-18310.3
100	228	-0.445443	144.592	-18411.9
101	228	-0.434397	144.78	-18510.9
102	230	-0.426148	144.962	-18608.9
103	230	-0.417928	145.136	-18705.1
104	230	-0.40701	145.302	-18798.7

105	230	-0.398855	145.461	-18890.4
106	230	-0.390726	145.614	-18980.3
107	230	-0.382622	145.76	-19068.3
108	230	-0.371856	145.899	-19153.8
109	232	-0.363809	146.031	-19238.2
110	232	-0.355788	146.158	-19320.8
111	232	-0.345126	146.277	-19400.8
112	234	-0.337155	146.39	-19479.7
113	234	-0.329206	146.499	-19556.8
114	235	-0.318639	146.6	-19631.6
115	235	-0.310738	146.697	-19704.7
116	236	-0.302855	146.788	-19776.1
117	236	-0.294992	146.876	-19845.8
118	236	-0.284535	146.956	-19912.9
119	240	-0.276714	147.033	-19979.3
120	240	-0.268908	147.105	-20043.9
121	240	-0.258527	147.172	-20105.9
122	240	-0.250759	147.235	-20166.1
123	240	-0.243007	147.294	-20224.4
124	240	-0.235269	147.349	-20280.9
125	240	-0.224974	147.4	-20334.9
126	240	-0.217267	147.447	-20387
127	240	-0.209575	147.491	-20437.3
128	240	-0.199336	147.531	-20485.1
129	240	-0.191671	147.568	-20531.1
130	242	-0.184017	147.602	-20575.7
131	244	-0.176374	147.633	-20618.7
132	244	-0.166199	147.66	-20659.3
133	244	-0.158579	147.685	-20698
134	244	-0.150969	147.708	-20734.8
135	246	-0.140835	147.728	-20769.4
136	246	-0.133244	147.746	-20802.2
137	246	-0.125661	147.762	-20833.1
138	246	-0.118085	147.776	-20862.2
139	247	-0.107995	147.787	-20888.9
140	248	-0.100433	147.797	-20913.8
141	249	-0.0928787	147.806	-20936.9
142	250	-0.0828129	147.813	-20957.6
143	250	-0.0752698	147.818	-20976.4
144	250	-0.0677301	147.823	-20993.3
145	250	-0.0601949	147.827	-21008.4
146	250	-0.0501541	147.829	-21020.9
147	250	-0.0426257	147.831	-21031.6
148	252	-0.0350997	147.832	-21040.4
149	252	-0.0250691	147.833	-21046.8
150	252	-0.0175476	147.833	-21051.2
151	252	-0.0100272	147.833	-21053.7
152	253	0	147.833	-21053.7
153	254	0.0100272	147.833	-21051.2
154	254	0.0175476	147.834	-21046.7
155	255	0.0250691	147.834	-21040.3
156	255	0.0350997	147.836	-21031.4
157	255	0.0426257	147.837	-21020.5
158	256	0.0501541	147.84	-21007.6
159	256	0.0601949	147.843	-20992.2
160	256	0.0677301	147.848	-20974.9
161	260	0.0752698	147.854	-20955.3

162	261	0.0828129	147.861	-20933.7
163	262	0.0928787	147.869	-20909.4
164	262	0.100433	147.879	-20883.1
165	263	0.107995	147.891	-20854.7
166	264	0.118085	147.905	-20823.5
167	264	0.125661	147.921	-20790.3
168	264	0.133244	147.938	-20755.1
169	264	0.140835	147.958	-20718
170	266	0.150969	147.981	-20677.8
171	266	0.158579	148.006	-20635.6
172	268	0.166199	148.034	-20591.1
173	268	0.176374	148.065	-20543.8
174	268	0.184017	148.099	-20494.5
175	270	0.191671	148.136	-20442.7
176	270	0.199336	148.175	-20388.9
177	271	0.209575	148.219	-20332.1
178	272	0.217267	148.266	-20273
179	280	0.224974	148.317	-20210
180	280	0.235269	148.372	-20144.2
181	280	0.243007	148.431	-20076.1
182	282	0.250759	148.494	-20005.4
183	284	0.258527	148.561	-19932
184	288	0.268908	148.633	-19854.5
185	288	0.276714	148.71	-19774.8
186	288	0.284535	148.791	-19692.9
187	290	0.294992	148.878	-19607.3
188	290	0.302855	148.97	-19519.5
189	290	0.310738	149.066	-19429.4
190	290	0.318639	149.168	-19337
191	296	0.329206	149.276	-19239.6
192	296	0.337155	149.39	-19139.8
193	300	0.345126	149.509	-19036.2
194	300	0.355788	149.636	-18929.5
195	300	0.363809	149.768	-18820.3
196	304	0.371856	149.906	-18707.3
197	308	0.382622	150.053	-18589.4
198	309	0.390726	150.205	-18468.7
199	310	0.398855	150.364	-18345.1
200	312	0.40701	150.53	-18218.1
201	314	0.417928	150.705	-18086.9
202	316	0.426148	150.886	-17952.2
203	320	0.434397	151.075	-17813.2
204	320	0.445443	151.273	-17670.6
205	320	0.453763	151.479	-17525.4
206	320	0.462114	151.693	-17377.6
207	324	0.470498	151.914	-17225.1
208	326	0.481728	152.146	-17068.1
209	326	0.490189	152.387	-16908.3
210	327	0.498687	152.635	-16745.2
211	328	0.510074	152.895	-16577.9
212	329	0.518658	153.164	-16407.3
213	329	0.52728	153.442	-16233.8
214	330	0.53594	153.73	-16056.9
215	330	0.547551	154.03	-15876.2
216	330	0.556308	154.339	-15692.7
217	330	0.565108	154.658	-15506.2
218	330	0.576911	154.991	-15315.8

219	330	0.585815	155.334	-15122.5
220	330.4	0.594766	155.688	-14926
221	332	0.603765	156.053	-14725.5
222	332	0.615839	156.432	-14521
223	334	0.624956	156.822	-14312.3
224	336	0.634124	157.225	-14099.2
225	338	0.646431	157.642	-13880.8
226	340	0.655726	158.072	-13657.8
227	340	0.665079	158.515	-13431.7
228	340	0.67449	158.97	-13202.4
229	340	0.687131	159.442	-12968.7
230	340	0.696684	159.927	-12731.9
231	340	0.706302	160.426	-12491.7
232	340	0.719228	160.943	-12247.2
233	342	0.729003	161.475	-11997.9
234	342	0.738846	162.021	-11745.2
235	344	0.752084	162.586	-11486.5
236	344	0.7621	163.167	-11224.3
237	346	0.772193	163.763	-10957.1
238	347	0.782366	164.375	-10685.6
239	348	0.796056	165.009	-10408.6
240	350	0.806422	165.66	-10126.4
241	350	0.816874	166.327	-9840.45
242	350	0.830953	167.017	-9549.62
243	353	0.841621	167.726	-9252.52
244	356	0.852385	168.452	-8949.08
245	358	0.863249	169.197	-8640.03
246	360	0.877897	169.968	-8323.99
247	360	0.889006	170.758	-8003.95
248	360	0.900227	171.569	-7679.87
249	360	0.915365	172.407	-7350.33
250	360	0.926859	173.266	-7016.67
251	360	0.938476	174.147	-6678.81
252	362	0.950222	175.049	-6334.83
253	363	0.966088	175.983	-5984.14
254	364	0.97815	176.94	-5628.1
255	364	0.990356	177.92	-5267.61
256	365	1.00687	178.934	-4900.1
257	366	1.01943	179.973	-4526.99
258	367	1.03215	181.039	-4148.19
259	368	1.04505	182.131	-3763.61
260	368	1.06252	183.26	-3372.61
261	370	1.07584	184.417	-2974.55
262	370	1.08935	185.604	-2571.49
263	370	1.10768	186.831	-2161.64
264	370	1.12168	188.089	-1746.62
265	375	1.1359	189.379	-1320.66
266	376	1.15035	190.703	-888.132
267	380	1.17	192.071	-443.531
268	380	1.18504	193.476	6.78575
269	380	1.20036	194.917	462.923
270	383	1.22123	196.408	930.653
271	384	1.23724	197.939	1405.75
272	384	1.25357	199.51	1887.12
273	384	1.27588	201.138	2377.06
274	384	1.29303	202.81	2873.58
275	384	1.31058	204.528	3376.84

276	388	1.32854	206.293	3892.32
277	389	1.35317	208.124	4418.7
278	390	1.3722	210.007	4953.86
279	390	1.39175	211.944	5496.64
280	393	1.41865	213.956	6054.17
281	394	1.43953	216.028	6621.35
282	395	1.46106	218.163	7198.47
283	395.4	1.48328	220.363	7784.96
284	398	1.5141	222.656	8387.57
285	400	1.5382	225.022	9002.85
286	400	1.56322	227.466	9628.14
287	406	1.59819	230.02	10277
288	409	1.62576	232.663	10941.9
289	430	1.65463	235.401	11653.4
290	440	1.68494	238.24	12394.8
291	441	1.72793	241.225	13156.8
292	450	1.76241	244.331	13949.9
293	473	1.79912	247.568	14800.9
294	480	1.85218	250.999	15689.9
295	525	1.8957	254.593	16685.2
296	527	1.94314	258.368	17709.2
297	542	1.99539	262.35	18790.7
298	549	2.07485	266.655	19929.8
299	550	2.14441	271.253	21109.2
300	576	2.22621	276.209	22391.5
301	585	2.36561	281.805	23775.4
302	590	2.51213	288.116	25257.6
303	619	2.74777	295.667	26958.4

Data Set Standard Deviation = 92.8134
 Numerator = 7.26757e+008
 Denominator = 7.69185e+008
 W Statistic = 0.94484 = 7.26757e+008 / 7.69185e+008

5% Critical value of 0.976 exceeds 0.94484
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.94484
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 44.7874

Overall Std Dev = 49.1087

Overall Total = 13570.6

SS Groups = 90792

SS Total = 728322

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	90792	4	22698	10.6097
Error (within groups)	637530	298	2139.36	
Totals	728322	302		

95% F-Statistic = 2.37

10.6097 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	0.41867
	12/14/1995	33.4187
	3/6/1996	16.5813
	4/25/1996	4.41867
	10/2/1996	2.41867
	12/10/1996	21.4187
	3/11/1997	17.4187
	4/15/1997	37.4187
	8/14/1997	32.5813
	12/4/1997	12.5813
	3/31/1998	7.41867
	6/23/1998	22.5813
	8/11/1998	21.5813
	12/8/1998	8.58133
	3/9/1999	27.4187
	6/8/1999	27.5813
	8/19/1999	32.5813
	12/14/1999	7.41867
	3/7/2000	16.5813
	6/23/2000	3.41867
	12/12/2000	82.5813
	3/27/2001	5.41867
	6/28/2001	27.4187
	9/10/2001	41.4187
	12/18/2001	41.4187
	3/19/2002	37.4187
	6/26/2002	17.4187
	9/18/2002	14.4187
	12/11/2002	23.4187
	3/13/2003	47.4187

6/25/2003	31.4187
9/26/2003	47.4187
12/10/2003	43.4187
3/9/2004	38.4187
6/24/2004	19.4187
9/15/2004	35.4187
12/15/2004	40.4187
3/16/2005	27.4187
6/15/2005	37.4187
9/21/2005	20.4187
12/21/2005	27.4187
3/15/2006	47.4187
6/21/2006	53.4187
12/20/2006	67.4187
6/12/2007	57.4187
12/17/2007	37.4187
6/11/2008	2.58133
12/3/2008	23.4187
6/17/2009	17.4187
12/9/2009	2.58133
6/17/2010	12.5813
12/22/2010	2.58133
6/29/2011	1.41867
12/7/2011	2.58133
6/6/2012	16.5813
12/12/2012	37.4187
6/19/2013	7.41867
12/11/2013	9.41867
6/11/2014	25.4187
12/3/2014	0.581333
6/17/2015	12.5813
12/1/2015	15.5813
6/22/2016	22.5813
12/20/2016	27.9813
6/6/2017	30.5813
11/7/2017	26.5813
2/27/2018	16.5813
9/27/2018	7.41867
5/7/2019	182.581
11/21/2019	112.581
6/25/2020	174.581
11/17/2020	105.581
5/26/2021	73.5813
11/17/2021	25.5813
4/8/2022	38.5813

Group: MW#93-2

Date	Residual
12/15/1994	86.5289
12/14/1995	65.5289
3/6/1996	51.4711
4/25/1996	83.4711
10/2/1996	83.4711
12/10/1996	13.4711
3/11/1997	46.5289
4/15/1997	36.5289
8/14/1997	16.5289
12/4/1997	56.5289

3/31/1998	72.5289
6/23/1998	6.52895
8/11/1998	48.5289
12/8/1998	56.5289
3/9/1999	32.5289
6/8/1999	36.5289
8/19/1999	30.5289
12/14/1999	16.5289
3/7/2000	12.5289
6/23/2000	7.47105
12/12/2000	36.5289
3/27/2001	41.5289
6/28/2001	16.5289
9/10/2001	48.5289
12/18/2001	21.5289
3/19/2002	6.47105
6/26/2002	33.4711
9/18/2002	0.528947
12/11/2002	7.52895
3/13/2003	16.5289
6/25/2003	10.5289
9/26/2003	6.52895
12/10/2003	56.5289
3/9/2004	23.4711
6/24/2004	72.4711
9/15/2004	15.4711
12/15/2004	31.4711
3/16/2005	16.5289
6/15/2005	10.5289
9/21/2005	28.5289
12/21/2005	24.5289
3/15/2006	6.52895
6/21/2006	33.4711
12/20/2006	99.4711
2/21/2007	83.4711
6/12/2007	55.4711
12/17/2007	46.5289
6/11/2008	16.5289
12/3/2008	23.4711
6/17/2009	6.52895
12/9/2009	20.5289
6/17/2010	4.52895
12/22/2010	16.5289
6/29/2011	9.47105
12/7/2011	31.4711
6/6/2012	0.528947
12/12/2012	8.52895
6/19/2013	107.471
12/11/2013	71.4711
6/11/2014	85.4711
12/3/2014	39.4711
6/17/2015	127.471
12/1/2015	30.5289
6/22/2016	80.5289
12/20/2016	94.3289
6/6/2017	10.5289
11/7/2017	173.471

2/27/2018	25.4711
9/27/2018	13.4711
5/7/2019	103.471
11/21/2019	103.471
6/25/2020	4.47105
11/16/2020	9.47105
5/26/2021	55.5289
11/17/2021	148.529
4/8/2022	112.529

Group: MW#93-3

Date	Residual
12/15/1994	55.3253
12/14/1995	89.3253
3/6/1996	69.3253
4/25/1996	67.3253
10/2/1996	55.3253
12/10/1996	70.3253
3/11/1997	85.3253
4/15/1997	95.3253
8/14/1997	40.3253
12/4/1997	155.325
3/31/1998	55.3253
6/23/1998	70.3253
8/11/1998	71.3253
12/8/1998	81.3253
3/9/1999	61.3253
6/8/1999	59.3253
8/19/1999	35.3253
12/14/1999	4.67467
3/7/2000	31.3253
6/23/2000	51.3253
12/12/2000	24.6747
3/27/2001	41.3253
6/28/2001	40.3253
9/10/2001	36.6747
12/18/2001	65.3253
3/19/2002	40.3253
6/26/2002	45.3253
9/18/2002	27.3253
12/11/2002	27.3253
3/13/2003	48.3253
6/25/2003	43.3253
9/26/2003	51.3253
12/10/2003	24.3253
3/9/2004	11.3253
6/24/2004	13.6747
9/15/2004	31.3253
12/15/2004	41.3253
3/16/2005	5.32533
6/15/2005	27.3253
9/21/2005	31.3253
12/21/2005	49.3253
3/15/2006	68.3253
6/21/2006	42.3253
12/20/2006	45.3253
6/12/2007	15.3253
12/17/2007	5.32533

6/11/2008	4.67467
12/3/2008	69.3253
6/17/2009	55.3253
12/9/2009	81.3253
6/17/2010	0.674667
12/22/2010	65.3253
6/29/2011	39.3253
12/7/2011	51.3253
6/6/2012	7.32533
12/12/2012	69.3253
6/19/2013	20.6747
12/11/2013	33.3253
6/11/2014	42.6747
12/3/2014	33.3253
6/17/2015	92.6747
5/25/2016	144.675
6/22/2016	34.6747
12/20/2016	35.0747
6/6/2017	8.67467
11/7/2017	113.675
2/27/2018	72.6747
9/27/2018	79.6747
5/7/2019	289.675
11/21/2019	229.675
6/25/2020	323.675
11/16/2020	253.675
5/26/2021	280.675
11/17/2021	231.675
4/8/2022	294.675

Group: MW#03-1

Date	Residual
6/24/2004	39.3444
9/15/2004	50.3444
12/15/2004	14.3444
3/16/2005	9.65556
6/15/2005	82.3444
9/21/2005	10.3444
12/20/2006	34.3444
6/12/2007	30.3444
12/17/2007	20.3444
6/11/2008	30.3444
12/3/2008	36.3444
6/17/2009	34.3444
12/9/2009	46.3444
6/17/2010	62.3444
12/22/2010	46.3444
6/29/2011	40.3444
12/7/2011	52.3444
6/6/2012	46.3444
6/19/2013	25.6556
12/11/2013	42.3444
6/11/2014	52.3444
12/3/2014	24.3444
6/17/2015	35.6556
12/1/2015	19.6556
6/22/2016	39.6556
12/20/2016	41.9444

6/6/2017	113.656
11/7/2017	47.3444
2/27/2018	97.6556
5/7/2019	114.656
11/21/2019	114.656
6/25/2020	43.6556
11/17/2020	64.3444
5/26/2021	139.456
11/16/2021	66.6556
4/8/2022	128.856

Group: MW#03-2

Date	Residual
6/24/2004	24.3317
9/15/2004	10.6683
12/15/2004	11.3317
3/16/2005	9.33171
6/15/2005	41.3317
9/21/2005	13.3317
12/21/2005	19.3317
3/15/2006	9.33171
6/21/2006	17.3317
12/20/2006	9.33171
6/12/2007	17.3317
12/17/2007	10.6683
6/11/2008	10.6683
12/3/2008	0.668293
6/17/2009	10.6683
12/9/2009	2.66829
6/17/2010	5.33171
12/22/2010	19.3317
6/29/2011	13.3317
12/7/2011	25.3317
6/6/2012	19.3317
12/12/2012	31.3317
6/19/2013	21.3317
12/11/2013	19.3317
6/11/2014	118.668
12/3/2014	134.668
6/17/2015	9.33171
12/1/2015	3.33171
6/22/2016	6.66829
12/20/2016	11.2683
6/6/2017	18.6683
11/7/2017	18.6683
2/27/2018	14.6683
9/27/2018	25.6683
5/7/2019	9.33171
11/21/2019	9.33171
6/25/2020	12.3317
11/17/2020	1.66829
5/26/2021	9.33171
11/17/2021	2.66829
4/8/2022	19.3317

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 74

Maximum Baseline Concentration = 619

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	240
	12/14/1995	206
	3/6/1996	226
	4/25/1996	228
	10/2/1996	240
	12/10/1996	225
	3/11/1997	210
	4/15/1997	200
	8/14/1997	255
	12/4/1997	140
	3/31/1998	240
	6/23/1998	225
	8/11/1998	224
	12/8/1998	214
	3/9/1999	234
	6/8/1999	236
	8/19/1999	260
	12/14/1999	300
	3/7/2000	264
	6/23/2000	244
	12/12/2000	320
	3/27/2001	254
	6/28/2001	255
	9/10/2001	332
	12/18/2001	230
	3/19/2002	255
	6/26/2002	250
	9/18/2002	268
	12/11/2002	268
	3/13/2003	247
	6/25/2003	252
	9/26/2003	244
	12/10/2003	271
	3/9/2004	284
	6/24/2004	309
	9/15/2004	264
	12/15/2004	254
	3/16/2005	290
	6/15/2005	268
	9/21/2005	264
	12/21/2005	246
	3/15/2006	227

6/21/2006	253
12/20/2006	250
6/12/2007	280
12/17/2007	290
6/11/2008	300
12/3/2008	226
6/17/2009	240
12/9/2009	214
6/17/2010	296
12/22/2010	230
6/29/2011	256
12/7/2011	244
6/6/2012	288
12/12/2012	226
6/19/2013	316
12/11/2013	262
6/11/2014	338
12/3/2014	262
6/17/2015	388
5/25/2016	440
6/22/2016	330
12/20/2016	330.4
6/6/2017	304
11/7/2017	409
2/27/2018	368
9/27/2018	375
5/7/2019	585
11/21/2019	525
6/25/2020	619
11/16/2020	549
5/26/2021	576
11/17/2021	527

Date	Count	Mean	Significant
4/8/2022	1	590	FALSE

Concentrations (ppb)

Parameter: Antimony

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 70

Percent Non-Detects: 100%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.005	ND<0.005
			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/16/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
MW#03-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
11/17/2020	ND<0.005	ND<0.005			

			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
MW#93-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
			11/16/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
MW#93-3	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
			11/16/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 69.4301%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 39

Maximum Background Value = 0.0109

Confidence Level = 90.7%

False Positive Rate = 9.3%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.000455	FALSE
MW#03-2	4/8/2022	1	0.001	FALSE
MW#93-2	4/8/2022	1	0.0213	TRUE
MW#93-3	4/8/2022	1	0.000685	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.89474%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 38

Maximum Baseline Concentration = 0.0635

Confidence Level = 97.4%

False Positive Rate = 2.6%

Baseline Measurements	Date	Value
	6/12/2007	0.0343
	12/17/2007	0.0603
	6/11/2008	0.051
	12/3/2008	0.033
	6/17/2009	0.0525
	12/9/2009	0.0635
	6/17/2010	0.0179
	12/22/2010	0.0215
	6/29/2011	0.061
	12/7/2011	ND<0.005
	6/6/2012	0.0098
	12/12/2012	0.0562
	6/19/2013	ND<0.005
	12/11/2013	0.0353
	6/11/2014	0.0197
	12/3/2014	0.0274
	6/17/2015	ND<0.005
	12/1/2015	0.03
	6/22/2016	0.047
	12/20/2016	0.06
	6/6/2017	0.038
	11/7/2017	0.028
	2/27/2018	0.024
	5/24/2018	0.0292
	6/19/2018	0.0274
	7/19/2018	0.0367
	8/22/2018	0.0333
	9/19/2018	0.0344
	9/27/2018	0.0389
	10/18/2018	0.0378
	11/20/2018	0.0313
	12/20/2018	0.0285
	5/7/2019	0.0259
	11/21/2019	0.0197
	6/25/2020	0.0176
	11/16/2020	0.0204
	5/26/2021	0.0148
	11/17/2021	0.0266

Date	Count	Mean	Significant
------	-------	------	-------------

4/8/2022

1

0.0213

FALSE

Shapiro-Francia Test of Normality

Parameter: Arsenic

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 193

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0	-2.57583	6.63492	0
2	0	-2.32634	12.0468	0
3	0.000249	-2.17009	16.7561	-0.000540353
4	0.000268	-2.05375	20.974	-0.00109076
5	0.000277	-1.95996	24.8154	-0.00163367
6	0.000291	-1.88079	28.3528	-0.00218098
7	0.000329	-1.79912	31.5896	-0.00277289
8	0.000336	-1.7392	34.6144	-0.00335726
9	0.000405	-1.68494	37.4534	-0.00403966
10	0.000455	-1.63524	40.1274	-0.00478369
11	0.0005	-1.58927	42.6532	-0.00557832
12	0.0005	-1.54643	45.0447	-0.00635154
13	0.0005	-1.49852	47.2902	-0.0071008
14	0.0005	-1.46106	49.4249	-0.00783133
15	0.000522	-1.42554	51.4571	-0.00857546
16	0.000538	-1.39175	53.394	-0.00932422
17	0.000572	-1.35946	55.2422	-0.0101018
18	0.00059	-1.32854	57.0072	-0.0108857
19	0.00062	-1.29884	58.6942	-0.0116909
20	0.00062	-1.26464	60.2935	-0.012475
21	0.000677	-1.23724	61.8242	-0.0133126
22	0.000685	-1.21073	63.2901	-0.014142
23	0.001	-1.18504	64.6944	-0.015327
24	0.001	-1.16012	66.0403	-0.0164871
25	0.001	-1.1359	67.3306	-0.017623
26	0.001	-1.10768	68.5575	-0.0187307
27	0.001	-1.08482	69.7344	-0.0198155
28	0.001	-1.06252	70.8633	-0.0208781
29	0.001	-1.04073	71.9464	-0.0219188
30	0.001	-1.01943	72.9857	-0.0229382
31	0.005	-0.998575	73.9828	-0.0279311
32	0.005	-0.97815	74.9396	-0.0328219
33	0.005	-0.954165	75.85	-0.0375927
34	0.005	-0.93459	76.7235	-0.0422656
35	0.005	-0.915365	77.5614	-0.0468425
36	0.005	-0.896473	78.365	-0.0513248
37	0.005	-0.877897	79.1357	-0.0557143
38	0.005	-0.859618	79.8747	-0.0600124
39	0.005	-0.838054	80.577	-0.0642027
40	0.005	-0.820379	81.25	-0.0683046
41	0.005	-0.802956	81.8948	-0.0723193
42	0.005	-0.785774	82.5122	-0.0762482
43	0.005	-0.768821	83.1033	-0.0800923
44	0.005	-0.752084	83.6689	-0.0838527
45	0.005	-0.735557	84.21	-0.0875305
46	0.005	-0.715986	84.7226	-0.0911104
47	0.005	-0.699883	85.2124	-0.0946099

48	0.005	-0.68396	85.6803	-0.0980297
49	0.005	-0.668209	86.1268	-0.101371
50	0.005	-0.652622	86.5527	-0.104634
51	0.005	-0.637192	86.9587	-0.10782
52	0.005	-0.618872	87.3417	-0.110914
53	0.005	-0.603765	87.7062	-0.113933
54	0.005	-0.588793	88.0529	-0.116877
55	0.005	-0.573953	88.3823	-0.119747
56	0.005	-0.559237	88.6951	-0.122543
57	0.005	-0.544642	88.9917	-0.125266
58	0.005	-0.530162	89.2728	-0.127917
59	0.005	-0.51293	89.5359	-0.130482
60	0.005	-0.498687	89.7846	-0.132975
61	0.005	-0.484544	90.0193	-0.135398
62	0.005	-0.470498	90.2407	-0.13775
63	0.005	-0.456542	90.4491	-0.140033
64	0.005	-0.442676	90.6451	-0.142246
65	0.005	-0.426148	90.8267	-0.144377
66	0.005	-0.412463	90.9968	-0.146439
67	0.005	-0.398855	91.1559	-0.148434
68	0.005	-0.385321	91.3044	-0.15036
69	0.005	-0.371856	91.4427	-0.152219
70	0.005	-0.358459	91.5712	-0.154012
71	0.005	-0.345126	91.6903	-0.155737
72	0.005	-0.329206	91.7986	-0.157383
73	0.005	-0.316004	91.8985	-0.158963
74	0.005	-0.302855	91.9902	-0.160478
75	0.005	-0.28976	92.0742	-0.161927
76	0.005	-0.276714	92.1508	-0.16331
77	0.005	-0.263715	92.2203	-0.164629
78	0.005	-0.248174	92.2819	-0.16587
79	0.005	-0.235269	92.3372	-0.167046
80	0.005	-0.222403	92.3867	-0.168158
81	0.005	-0.209575	92.4306	-0.169206
82	0.005	-0.196779	92.4693	-0.17019
83	0.005	-0.184017	92.5032	-0.17111
84	0.005	-0.171285	92.5325	-0.171966
85	0.005	-0.156042	92.5569	-0.172746
86	0.005	-0.143367	92.5775	-0.173463
87	0.005	-0.130716	92.5945	-0.174117
88	0.005	-0.118085	92.6085	-0.174707
89	0.005	-0.105474	92.6196	-0.175235
90	0.005	-0.0928787	92.6282	-0.175699
91	0.005	-0.0777834	92.6343	-0.176088
92	0.005	-0.0652187	92.6385	-0.176414
93	0.005	-0.0526632	92.6413	-0.176677
94	0.005	-0.0401167	92.6429	-0.176878
95	0.005	-0.0275759	92.6437	-0.177016
96	0.005	-0.0150408	92.6439	-0.177091
97	0.005	0	92.6439	-0.177091
98	0.005	0.0150408	92.6441	-0.177016
99	0.005	0.0275759	92.6449	-0.176878
100	0.005	0.0401167	92.6465	-0.176677
101	0.005	0.0526632	92.6493	-0.176414
102	0.005	0.0652187	92.6535	-0.176088
103	0.005	0.0777834	92.6596	-0.175699
104	0.005	0.0928787	92.6682	-0.175235

105	0.005	0.105474	92.6793	-0.174707
106	0.005	0.118085	92.6933	-0.174117
107	0.005	0.130716	92.7104	-0.173463
108	0.005	0.143367	92.7309	-0.172746
109	0.005	0.156042	92.7553	-0.171966
110	0.005	0.171285	92.7846	-0.17111
111	0.005	0.184017	92.8185	-0.17019
112	0.005	0.196779	92.8572	-0.169206
113	0.005	0.209575	92.9011	-0.168158
114	0.005	0.222403	92.9506	-0.167046
115	0.005	0.235269	93.0059	-0.16587
116	0.005	0.248174	93.0675	-0.164629
117	0.005	0.263715	93.1371	-0.16331
118	0.005	0.276714	93.2136	-0.161927
119	0.005	0.28976	93.2976	-0.160478
120	0.005	0.302855	93.3893	-0.158963
121	0.005	0.316004	93.4892	-0.157383
122	0.005	0.329206	93.5976	-0.155737
123	0.005	0.345126	93.7167	-0.154012
124	0.005	0.358459	93.8452	-0.152219
125	0.005	0.371856	93.9834	-0.15036
126	0.005	0.385321	94.1319	-0.148434
127	0.005	0.398855	94.291	-0.146439
128	0.005	0.412463	94.4611	-0.144377
129	0.005	0.426148	94.6427	-0.142246
130	0.005	0.442676	94.8387	-0.140033
131	0.005	0.456542	95.0471	-0.13775
132	0.005	0.470498	95.2685	-0.135398
133	0.005	0.484544	95.5033	-0.132975
134	0.005	0.498687	95.752	-0.130482
135	0.005	0.51293	96.015	-0.127917
136	0.005	0.530162	96.2961	-0.125266
137	0.005	0.544642	96.5928	-0.122543
138	0.005	0.559237	96.9055	-0.119747
139	0.005	0.573953	97.2349	-0.116877
140	0.005	0.588793	97.5816	-0.113933
141	0.005	0.603765	97.9461	-0.110914
142	0.005	0.618872	98.3291	-0.10782
143	0.005	0.637192	98.7351	-0.104634
144	0.005	0.652622	99.1611	-0.101371
145	0.005	0.668209	99.6076	-0.0980297
146	0.005	0.68396	100.075	-0.0946099
147	0.005	0.699883	100.565	-0.0911104
148	0.005	0.715986	101.078	-0.0875305
149	0.005	0.735557	101.619	-0.0838527
150	0.005	0.752084	102.185	-0.0800923
151	0.006	0.768821	102.776	-0.0754794
152	0.0068	0.785774	103.393	-0.0701361
153	0.008	0.802956	104.038	-0.0637125
154	0.008	0.820379	104.711	-0.0571494
155	0.0098	0.838054	105.413	-0.0489365
156	0.0109	0.859618	106.152	-0.0395667
157	0.0148	0.877897	106.923	-0.0265738
158	0.0176	0.896473	107.726	-0.0107959
159	0.0179	0.915365	108.564	0.00558916
160	0.0197	0.93459	109.438	0.0240006
161	0.0197	0.954165	110.348	0.0427976

162	0.0204	0.97815	111.305	0.0627519
163	0.0213	0.998575	112.302	0.0840215
164	0.0215	1.01943	113.341	0.105939
165	0.024	1.04073	114.425	0.130917
166	0.0259	1.06252	115.553	0.158436
167	0.0266	1.08482	116.73	0.187292
168	0.0274	1.10768	117.957	0.217643
169	0.0274	1.1359	119.248	0.248766
170	0.028	1.16012	120.593	0.28125
171	0.0285	1.18504	121.998	0.315023
172	0.0292	1.21073	123.464	0.350377
173	0.03	1.23724	124.994	0.387494
174	0.0313	1.26464	126.594	0.427077
175	0.033	1.29884	128.281	0.469939
176	0.0333	1.32854	130.046	0.514179
177	0.0343	1.35946	131.894	0.560809
178	0.0344	1.39175	133.831	0.608685
179	0.0353	1.42554	135.863	0.659006
180	0.0367	1.46106	137.998	0.712627
181	0.0378	1.49852	140.243	0.769271
182	0.038	1.54643	142.635	0.828035
183	0.0389	1.58927	145.16	0.889858
184	0.0445	1.63524	147.834	0.962626
185	0.047	1.68494	150.673	1.04182
186	0.051	1.7392	153.698	1.13052
187	0.0525	1.79912	156.935	1.22497
188	0.0562	1.88079	160.472	1.33067
189	0.06	1.95996	164.314	1.44827
190	0.0603	2.05375	168.532	1.57211
191	0.061	2.17009	173.241	1.70449
192	0.0635	2.32634	178.653	1.85221
193	0.123	2.57583	185.288	2.16904

Data Set Standard Deviation = 0.0156461
Numerator = 4.70472
Denominator = 8.70887
W Statistic = 0.540221 = 4.70472 / 8.70887

5% Critical value of 0.976 exceeds 0.540221
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.540221
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00485808

Overall Std Dev = 0.010337

Overall Total = 0.93761

SS Groups = 0.00390769

SS Total = 0.0205157

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.00390769	4	0.000976922	11.0586
Error (within groups)	0.016608	188	8.83404e-005	
Totals	0.0205157	192		

95% F-Statistic = 2.37

11.0586 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
6/12/2007	0.00662367
12/17/2007	0.000723667
6/11/2008	0.000723667
12/3/2008	0.000723667
6/17/2009	0.000723667
12/9/2009	0.000723667
6/17/2010	0.000723667
12/22/2010	0.000723667
6/29/2011	0.000723667
12/7/2011	0.000723667
6/6/2012	0.000723667
12/12/2012	0.00252367
6/19/2013	0.000723667
12/11/2013	0.000723667
6/11/2014	0.000723667
12/3/2014	0.000723667
6/17/2015	0.000723667
12/1/2015	0.000723667
6/22/2016	0.00427633
12/20/2016	0.00377633
6/6/2017	0.000723667
11/7/2017	0.000723667
2/27/2018	0.00172367
5/24/2018	0.000723667
6/19/2018	0.000723667
7/19/2018	0.000723667
8/22/2018	0.000723667
9/19/2018	0.000723667
9/27/2018	0.000723667
10/18/2018	0.000723667

11/20/2018	0.000723667
12/20/2018	0.000723667
5/7/2019	0.000723667
11/21/2019	0.00327633
6/25/2020	0.00387133
11/17/2020	0.00394033
5/26/2021	0.00400833
11/17/2021	0.00399933
4/8/2022	0.00398533

Group: MW#03-1

Date	Residual
6/12/2007	0.00336592
12/17/2007	0.00336592
6/11/2008	0.00336592
12/3/2008	0.00336592
6/17/2009	0.00336592
12/9/2009	0.00336592
6/17/2010	0.00336592
12/22/2010	0.00336592
6/29/2011	0.00336592
12/7/2011	0.00336592
6/6/2012	0.00336592
6/19/2013	0.000365919
12/11/2013	0.00336592
6/11/2014	0.00336592
12/3/2014	0.00336592
6/17/2015	0.00336592
12/1/2015	0.00336592
6/22/2016	0.00836592
12/20/2016	0.00786592
6/6/2017	0.00336592
11/7/2017	0.00336592
2/27/2018	0.00336592
5/24/2018	0.00336592
6/19/2018	0.00336592
7/19/2018	0.0361341
8/22/2018	0.114634
10/18/2018	0.00336592
11/20/2018	0.00336592
12/20/2018	0.00336592
3/26/2019	0.00336592
5/7/2019	0.00336592
11/21/2019	0.00736592
6/25/2020	0.00782792
11/17/2020	0.00768892
5/26/2021	0.00811692
11/16/2021	0.00774592
4/8/2022	0.00791092

Group: MW#03-2

Date	Residual
6/12/2007	0.000671051
12/17/2007	0.000671051
6/11/2008	0.000671051
12/3/2008	0.000671051
6/17/2009	0.000671051
12/9/2009	0.000671051
6/17/2010	0.000671051

12/22/2010	0.000671051
6/29/2011	0.000671051
12/7/2011	0.000671051
6/6/2012	0.000671051
12/12/2012	0.000671051
6/19/2013	0.000671051
12/11/2013	0.000671051
6/11/2014	0.000671051
12/3/2014	0.000671051
6/17/2015	0.000671051
12/1/2015	0.000671051
6/22/2016	0.000671051
12/20/2016	0.00382895
6/6/2017	0.000671051
11/7/2017	0.000671051
2/27/2018	0.00367105
5/24/2018	0.000671051
6/19/2018	0.000671051
7/19/2018	0.000671051
8/22/2018	0.000671051
9/19/2018	0.000671051
9/27/2018	0.000671051
10/18/2018	0.000671051
11/20/2018	0.000671051
12/20/2018	0.000671051
5/7/2019	0.000671051
11/21/2019	0.00332895
6/25/2020	0.00399995
11/17/2020	0.00332895
5/26/2021	0.00332895
11/17/2021	0.00332895
4/8/2022	0.00332895

Group: MW#93-2

Date	Residual
6/12/2007	0.00278205
12/17/2007	0.0287821
6/11/2008	0.0194821
12/3/2008	0.00148205
6/17/2009	0.0209821
12/9/2009	0.0319821
6/17/2010	0.0136179
12/22/2010	0.0100179
6/29/2011	0.0294821
12/7/2011	0.0265179
6/6/2012	0.0217179
12/12/2012	0.0246821
6/19/2013	0.0265179
12/11/2013	0.00378205
6/11/2014	0.0118179
12/3/2014	0.00411795
6/17/2015	0.0265179
12/1/2015	0.00151795
6/22/2016	0.0154821
12/20/2016	0.0284821
6/6/2017	0.00648205
11/7/2017	0.00351795
2/27/2018	0.00751795

5/24/2018	0.00231795
6/19/2018	0.00411795
7/19/2018	0.00518205
8/22/2018	0.00178205
9/19/2018	0.00288205
9/27/2018	0.00738205
10/18/2018	0.00628205
11/20/2018	0.000217949
12/20/2018	0.00301795
5/7/2019	0.00561795
11/21/2019	0.0118179
6/25/2020	0.0139179
11/16/2020	0.0111179
5/26/2021	0.0167179
11/17/2021	0.00491795
4/8/2022	0.0102179

Group: MW#93-3

Date	Residual
6/12/2007	0.000782333
12/17/2007	0.000782333
6/11/2008	0.000782333
12/3/2008	0.000782333
6/17/2009	0.000782333
12/9/2009	0.000782333
6/17/2010	0.000782333
12/22/2010	0.000782333
6/29/2011	0.000782333
12/7/2011	0.000782333
6/6/2012	0.000782333
12/12/2012	0.000782333
6/19/2013	0.000782333
12/11/2013	0.000782333
6/11/2014	0.000782333
12/3/2014	0.000782333
6/17/2015	0.000782333
12/1/2015	0.000782333
6/22/2016	0.000782333
12/20/2016	0.00371767
6/6/2017	0.000782333
11/7/2017	0.000782333
2/27/2018	0.000782333
5/24/2018	0.000782333
6/19/2018	0.000782333
7/19/2018	0.000782333
8/22/2018	0.000782333
9/19/2018	0.000782333
9/27/2018	0.000782333
10/18/2018	0.000782333
11/20/2018	0.000782333
12/20/2018	0.000782333
5/7/2019	0.000782333
11/21/2019	0.00321767
6/25/2020	0.00364567
11/16/2020	0.00362767
5/26/2021	0.00369567
11/17/2021	0.00359767
4/8/2022	0.00353267

Concentrations (ppb)

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 2

Percent Non-Detects: 2.85714%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	0 (0%)	5/24/2018	0.0246	0.0246
			6/19/2018	0.0239	0.0239
			7/19/2018	0.0202	0.0202
			8/22/2018	0.0152	0.0152
			9/19/2018	0.0267	0.0267
			10/18/2018	0.0213	0.0213
			11/20/2018	0.0267	0.0267
			12/20/2018	0.0175	0.0175
			11/21/2019	0.0321	0.0321
			6/25/2020	0.0283	0.0283
			11/17/2020	0.0405	0.0405
			5/26/2021	0.0132	0.0132
			11/17/2021	0.0173	0.0173
			4/8/2022	0.0199	0.0199

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	0 (0%)	5/24/2018	0.0519	0.0519
			6/19/2018	0.0752	0.0752
			7/19/2018	0.671	0.671
			8/22/2018	2	2
			10/18/2018	0.184	0.184
			11/20/2018	0.0663	0.0663
			12/20/2018	0.0375	0.0375
			3/26/2019	0.0384	0.0384
			11/21/2019	0.0449	0.0449
			6/25/2020	0.0776	0.0776
			11/17/2020	0.19	0.19
			5/26/2021	0.0293	0.0293
			11/16/2021	0.064	0.064
			4/8/2022	0.0301	0.0301
MW#03-2	14	1 (7.14286%)	5/24/2018	0.0519	0.0519
			6/19/2018	0.0391	0.0391
			7/19/2018	0.044	0.044
			8/22/2018	0.0409	0.0409
			9/19/2018	0.0447	0.0447
			10/18/2018	0.0463	0.0463
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	0.0443	0.0443
			11/21/2019	0.044	0.044
			6/25/2020	0.0348	0.0348
11/17/2020	0.0395	0.0395			

			5/26/2021	0.0335	0.0335
			11/17/2021	0.0329	0.0329
			4/8/2022	0.0301	0.0301
MW#93-2	14	0 (0%)	5/24/2018	0.0604	0.0604
			6/19/2018	0.0538	0.0538
			7/19/2018	0.0583	0.0583
			8/22/2018	0.0612	0.0612
			9/19/2018	0.0641	0.0641
			10/18/2018	0.0669	0.0669
			11/20/2018	0.069	0.069
			12/20/2018	0.0651	0.0651
			11/21/2019	0.1	0.1
			6/25/2020	0.147	0.147
			11/16/2020	0.151	0.151
			5/26/2021	0.126	0.126
			11/17/2021	0.127	0.127
			4/8/2022	0.141	0.141
MW#93-3	14	1 (7.14286%)	5/24/2018	0.214	0.214
			6/19/2018	0.201	0.201
			7/19/2018	0.259	0.259
			8/22/2018	0.184	0.184
			9/19/2018	0.228	0.228
			10/18/2018	0.241	0.241
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	0.259	0.259
			11/21/2019	0.116	0.116
			6/25/2020	0.0604	0.0604
			11/16/2020	0.0604	0.0604
			5/26/2021	0.0627	0.0627
			11/17/2021	0.0604	0.0604
			4/8/2022	0.064	0.064

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 2.85714%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 0.0405

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.0301	FALSE
MW#03-2	4/8/2022	1	0.0301	FALSE
MW#93-2	4/8/2022	1	0.141	TRUE
MW#93-3	4/8/2022	1	0.064	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.151

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	0.0604
	6/19/2018	0.0538
	7/19/2018	0.0583
	8/22/2018	0.0612
	9/19/2018	0.0641
	10/18/2018	0.0669
	11/20/2018	0.069
	12/20/2018	0.0651
	11/21/2019	0.1
	6/25/2020	0.147
	11/16/2020	0.151
	5/26/2021	0.126
	11/17/2021	0.127

Date	Count	Mean	Significant
4/8/2022	1	0.141	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.69231%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.259

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	0.214
	6/19/2018	0.201
	7/19/2018	0.259
	8/22/2018	0.184
	9/19/2018	0.228
	10/18/2018	0.241
	11/20/2018	ND<0.01
	12/20/2018	0.259
	11/21/2019	0.116
	6/25/2020	0.0604
	11/16/2020	0.0604
	5/26/2021	0.0627
	11/17/2021	0.0604

Date	Count	Mean	Significant
4/8/2022	1	0.064	FALSE

Shapiro-Francia Test of Normality

Parameter: Barium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 70

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.01	-2.19728	4.82806	-0.0219728
2	0.01	-1.91103	8.4801	-0.0410831
3	0.0132	-1.72793	11.4658	-0.0638918
4	0.0152	-1.58927	13.9916	-0.0880487
5	0.0173	-1.47579	16.1696	-0.11358
6	0.0175	-1.37866	18.0703	-0.137706
7	0.0199	-1.29303	19.7422	-0.163438
8	0.0202	-1.21596	21.2208	-0.188
9	0.0213	-1.1455	22.5329	-0.212399
10	0.0239	-1.08032	23.7	-0.238219
11	0.0246	-1.01943	24.7393	-0.263297
12	0.0267	-0.958125	25.6573	-0.288879
13	0.0267	-0.903992	26.4745	-0.313016
14	0.0283	-0.852385	27.201	-0.337138
15	0.0293	-0.802956	27.8458	-0.360665
16	0.0301	-0.755415	28.4164	-0.383403
17	0.0301	-0.709522	28.9199	-0.404759
18	0.0321	-0.665079	29.3622	-0.426108
19	0.0329	-0.621911	29.749	-0.446569
20	0.0335	-0.579873	30.0852	-0.465995
21	0.0348	-0.538836	30.3756	-0.484746
22	0.0375	-0.498687	30.6242	-0.503447
23	0.0384	-0.459327	30.8352	-0.521085
24	0.0391	-0.417928	31.0099	-0.537426
25	0.0395	-0.379927	31.1542	-0.552433
26	0.0405	-0.342466	31.2715	-0.566303
27	0.0409	-0.305481	31.3648	-0.578797
28	0.044	-0.268908	31.4371	-0.590629
29	0.044	-0.232693	31.4913	-0.600868
30	0.0443	-0.196779	31.53	-0.609585
31	0.0447	-0.161119	31.556	-0.616787
32	0.0449	-0.125661	31.5718	-0.622429
33	0.0463	-0.0903606	31.5799	-0.626613
34	0.0519	-0.0551734	31.583	-0.629477
35	0.0519	-0.0200544	31.5834	-0.630517
36	0.0538	0.0200544	31.5838	-0.629439
37	0.0583	0.0551734	31.5868	-0.626222
38	0.0604	0.0903606	31.595	-0.620764
39	0.0604	0.125661	31.6108	-0.613174
40	0.0604	0.161119	31.6367	-0.603443
41	0.0604	0.196779	31.6755	-0.591557
42	0.0612	0.232693	31.7296	-0.577316
43	0.0627	0.268908	31.8019	-0.560456
44	0.064	0.305481	31.8952	-0.540905
45	0.064	0.342466	32.0125	-0.518987
46	0.0641	0.379927	32.1569	-0.494634
47	0.0651	0.417928	32.3315	-0.467427

48	0.0663	0.459327	32.5425	-0.436973
49	0.0669	0.498687	32.7912	-0.403611
50	0.069	0.538836	33.0815	-0.366432
51	0.0752	0.579873	33.4178	-0.322825
52	0.0776	0.621911	33.8046	-0.274565
53	0.1	0.665079	34.2469	-0.208057
54	0.116	0.709522	34.7503	-0.125752
55	0.126	0.755415	35.321	-0.0305701
56	0.127	0.802956	35.9657	0.0714054
57	0.141	0.852385	36.6923	0.191592
58	0.147	0.903992	37.5095	0.324479
59	0.151	0.958125	38.4275	0.469156
60	0.184	1.01943	39.4667	0.65673
61	0.184	1.08032	40.6338	0.855509
62	0.19	1.1455	41.946	1.07315
63	0.201	1.21596	43.4245	1.31756
64	0.214	1.29303	45.0965	1.59427
65	0.228	1.37866	46.9972	1.90861
66	0.241	1.47579	49.1751	2.26427
67	0.259	1.58927	51.7009	2.67589
68	0.259	1.72793	54.6867	3.12343
69	0.671	1.91103	58.3387	4.40573
70	2	2.19728	63.1668	8.8003

Data Set Standard Deviation = 0.248466

Numerator = 77.4452

Denominator = 269.073

W Statistic = 0.287822 = 77.4452 / 269.073

5% Critical value of 0.967 exceeds 0.287822

Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.287822

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.0876137

Overall Std Dev = 0.21646

Overall Total = 6.13296

SS Groups = 0.910919

SS Total = 3.23298

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.910919	4	0.22773	6.37469
Error (within groups)	2.32206	65	0.0357241	
Totals	3.23298	69		

95% F-Statistic = 2.44724

6.37469 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.00121429
6/19/2018	0.000514286
7/19/2018	0.00318571
8/22/2018	0.00818571
9/19/2018	0.00331429
10/18/2018	0.00208571
11/20/2018	0.00331429
12/20/2018	0.00588571
11/21/2019	0.00871429
6/25/2020	0.00491429
11/17/2020	0.0171143
5/26/2021	0.0101857
11/17/2021	0.00608571
4/8/2022	0.00348571

Group: MW#03-1

Date	Residual
5/24/2018	0.2024
6/19/2018	0.1791
7/19/2018	0.4167
8/22/2018	1.7457
10/18/2018	0.0703
11/20/2018	0.188
12/20/2018	0.2168
3/26/2019	0.2159
11/21/2019	0.2094
6/25/2020	0.1767
11/17/2020	0.0643
5/26/2021	0.225
11/16/2021	0.1903
4/8/2022	0.2242

Group: MW#03-2

Date	Residual
5/24/2018	0.0136143
6/19/2018	0.000814286
7/19/2018	0.00571429
8/22/2018	0.00261429
9/19/2018	0.00641429
10/18/2018	0.00801429
11/20/2018	0.0282857
12/20/2018	0.00601429
11/21/2019	0.00571429
6/25/2020	0.00348571
11/17/2020	0.00121429
5/26/2021	0.00478571
11/17/2021	0.00538571
4/8/2022	0.00818571

Group: MW#93-2

Date	Residual
5/24/2018	0.0318
6/19/2018	0.0384
7/19/2018	0.0339
8/22/2018	0.031
9/19/2018	0.0281
10/18/2018	0.0253
11/20/2018	0.0232
12/20/2018	0.0271
11/21/2019	0.0078
6/25/2020	0.0548
11/16/2020	0.0588
5/26/2021	0.0338
11/17/2021	0.0348
4/8/2022	0.0488

Group: MW#93-3

Date	Residual
5/24/2018	0.0697214
6/19/2018	0.0567214
7/19/2018	0.114721
8/22/2018	0.0397214
9/19/2018	0.0837214
10/18/2018	0.0967214
11/20/2018	0.134279
12/20/2018	0.114721
11/21/2019	0.0282786
6/25/2020	0.0838786
11/16/2020	0.0838786
5/26/2021	0.0815786
11/17/2021	0.0838786
4/8/2022	0.0802786

Concentrations (ppb)

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 68

Percent Non-Detects: 97.1429%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	0.0201	0.0201
			8/22/2018	0.0108	0.0108
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/16/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#03-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
11/17/2020	ND<0.001	ND<0.001			

			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#93-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#93-3	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 97.1429%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 0.01

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.001	FALSE
MW#03-2	4/8/2022	1	0.001	FALSE
MW#93-2	4/8/2022	1	0.001	FALSE
MW#93-3	4/8/2022	1	0.001	FALSE

Shapiro-Francia Test of Normality

Parameter: Beryllium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 70

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.001	-2.19728	4.82806	-0.00219728
2	0.001	-1.91103	8.4801	-0.00410831
3	0.001	-1.72793	11.4658	-0.00583625
4	0.001	-1.58927	13.9916	-0.00742551
5	0.001	-1.47579	16.1696	-0.00890131
6	0.001	-1.37866	18.0703	-0.01028
7	0.001	-1.29303	19.7422	-0.011573
8	0.001	-1.21596	21.2208	-0.012789
9	0.001	-1.1455	22.5329	-0.0139345
10	0.001	-1.08032	23.7	-0.0150148
11	0.001	-1.01943	24.7393	-0.0160342
12	0.001	-0.958125	25.6573	-0.0169923
13	0.001	-0.903992	26.4745	-0.0178963
14	0.001	-0.852385	27.201	-0.0187487
15	0.001	-0.802956	27.8458	-0.0195517
16	0.001	-0.755415	28.4164	-0.0203071
17	0.001	-0.709522	28.9199	-0.0210166
18	0.001	-0.665079	29.3622	-0.0216817
19	0.001	-0.621911	29.749	-0.0223036
20	0.001	-0.579873	30.0852	-0.0228835
21	0.001	-0.538836	30.3756	-0.0234223
22	0.001	-0.498687	30.6242	-0.023921
23	0.001	-0.459327	30.8352	-0.0243803
24	0.001	-0.417928	31.0099	-0.0247982
25	0.001	-0.379927	31.1542	-0.0251782
26	0.001	-0.342466	31.2715	-0.0255206
27	0.001	-0.305481	31.3648	-0.0258261
28	0.001	-0.268908	31.4371	-0.026095
29	0.001	-0.232693	31.4913	-0.0263277
30	0.01	-0.196779	31.53	-0.0282955
31	0.01	-0.161119	31.556	-0.0299067
32	0.01	-0.125661	31.5718	-0.0311633
33	0.01	-0.0903606	31.5799	-0.0320669
34	0.01	-0.0551734	31.583	-0.0326187
35	0.01	-0.0200544	31.5834	-0.0328192
36	0.01	0.0200544	31.5838	-0.0326187
37	0.01	0.0551734	31.5868	-0.0320669
38	0.01	0.0903606	31.595	-0.0311633
39	0.01	0.125661	31.6108	-0.0299067
40	0.01	0.161119	31.6367	-0.0282955
41	0.01	0.196779	31.6755	-0.0263277
42	0.01	0.232693	31.7296	-0.0240008
43	0.01	0.268908	31.8019	-0.0213117
44	0.01	0.305481	31.8952	-0.0182569
45	0.01	0.342466	32.0125	-0.0148322
46	0.01	0.379927	32.1569	-0.011033
47	0.01	0.417928	32.3315	-0.0068537

48	0.01	0.459327	32.5425	-0.00226043
49	0.01	0.498687	32.7912	0.00272644
50	0.01	0.538836	33.0815	0.0081148
51	0.01	0.579873	33.4178	0.0139135
52	0.01	0.621911	33.8046	0.0201326
53	0.01	0.665079	34.2469	0.0267834
54	0.01	0.709522	34.7503	0.0338787
55	0.01	0.755415	35.321	0.0414328
56	0.01	0.802956	35.9657	0.0494624
57	0.01	0.852385	36.6923	0.0579862
58	0.01	0.903992	37.5095	0.0670261
59	0.01	0.958125	38.4275	0.0766074
60	0.01	1.01943	39.4667	0.0868017
61	0.01	1.08032	40.6338	0.0976049
62	0.01	1.1455	41.946	0.10906
63	0.01	1.21596	43.4245	0.12122
64	0.01	1.29303	45.0965	0.13415
65	0.01	1.37866	46.9972	0.147936
66	0.01	1.47579	49.1751	0.162694
67	0.01	1.58927	51.7009	0.178587
68	0.01	1.72793	54.6867	0.195866
69	0.0108	1.91103	58.3387	0.216505
70	0.0201	2.19728	63.1668	0.260671

Data Set Standard Deviation = 0.00475193
 Numerator = 0.0679493
 Denominator = 0.0984188
 W Statistic = 0.69041 = 0.0679493 / 0.0984188

5% Critical value of 0.967 exceeds 0.69041
Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.69041
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00448653

Overall Std Dev = 0.00142664

Overall Total = 0.314057

SS Groups = 6.86771e-006

SS Total = 0.000140437

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	6.86771e-006	4	1.71693e-006	0.835526
Error (within groups)	0.000133569	65	2.05491e-006	
Totals	0.000140437	69		

95% F-Statistic = 2.44724

0.835526 does not exceed 2.44724 indicating equal variance

Group: MW#93-1

Sample	Residual
5/24/2018	0.00321429
6/19/2018	0.00321429
7/19/2018	0.00321429
8/22/2018	0.00321429
9/19/2018	0.00321429
10/18/2018	0.00321429
11/20/2018	0.00321429
12/20/2018	0.00321429
11/21/2019	0.00321429
6/25/2020	0.00578571
11/17/2020	0.00578571
5/26/2021	0.00578571
11/17/2021	0.00578571
4/8/2022	0.00578571

Group: MW#03-1

Date	Residual
5/24/2018	0.00307857
6/19/2018	0.00307857
7/19/2018	0.0131786
8/22/2018	0.00387857
10/18/2018	0.00307857
11/20/2018	0.00307857
12/20/2018	0.00307857
3/26/2019	0.00307857
11/21/2019	0.00592143
6/25/2020	0.00592143
11/17/2020	0.00592143
5/26/2021	0.00592143
11/16/2021	0.00592143
4/8/2022	0.00592143

Group: MW#03-2

Date	Residual
5/24/2018	0.00385714
6/19/2018	0.00385714
7/19/2018	0.00385714
8/22/2018	0.00385714
9/19/2018	0.00385714
10/18/2018	0.00385714
11/20/2018	0.00385714
12/20/2018	0.00385714
11/21/2019	0.00514286
6/25/2020	0.00514286
11/17/2020	0.00514286
5/26/2021	0.00514286
11/17/2021	0.00514286
4/8/2022	0.00514286

Group: MW#93-2

Date	Residual
5/24/2018	0.00385714
6/19/2018	0.00385714
7/19/2018	0.00385714
8/22/2018	0.00385714
9/19/2018	0.00385714
10/18/2018	0.00385714
11/20/2018	0.00385714
12/20/2018	0.00385714
11/21/2019	0.00514286
6/25/2020	0.00514286
11/16/2020	0.00514286
5/26/2021	0.00514286
11/17/2021	0.00514286
4/8/2022	0.00514286

Group: MW#93-3

Date	Residual
5/24/2018	0.00385714
6/19/2018	0.00385714
7/19/2018	0.00385714
8/22/2018	0.00385714
9/19/2018	0.00385714
10/18/2018	0.00385714
11/20/2018	0.00385714
12/20/2018	0.00385714
11/21/2019	0.00514286
6/25/2020	0.00514286
11/16/2020	0.00514286
5/26/2021	0.00514286
11/17/2021	0.00514286
4/8/2022	0.00514286

Concentrations (ppb)

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 88

Total Non-Detect: 35

Percent Non-Detects: 39.7727%

Total Background Measurements: 18

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	18	0 (0%)	10/11/2016	0.429	0.429
			12/20/2016	0.386	0.386
			2/16/2017	0.341	0.341
			3/8/2017	0.348	0.348
			5/9/2017	0.366	0.366
			6/6/2017	0.371	0.371
			8/22/2017	0.458	0.458
			9/22/2017	0.499	0.499
			11/7/2017	0.46	0.46
			2/27/2018	0.33	0.33
			9/27/2018	0.386	0.386
			5/7/2019	0.178	0.178
			11/21/2019	0.303	0.303
			6/25/2020	0.185	0.185
			11/17/2020	0.211	0.211
			5/26/2021	0.227	0.227
			11/17/2021	0.322	0.322
			4/8/2022	0.321	0.321

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	17	14 (82.3529%)	10/11/2016	ND<0.025	ND<0.025
			12/20/2016	ND<0.025	ND<0.025
			2/16/2017	ND<0.025	ND<0.025
			3/8/2017	ND<0.025	ND<0.025
			5/9/2017	0.041	0.041
			6/6/2017	ND<0.025	ND<0.025
			8/22/2017	ND<0.025	ND<0.025
			9/22/2017	0.025	0.025
			11/7/2017	ND<0.1	ND<0.1
			2/27/2018	0.05	0.05
			5/7/2019	ND<0.1	ND<0.1
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	ND<0.2	ND<0.2
			11/17/2020	ND<0.2	ND<0.2
			5/26/2021	ND<0.2	ND<0.2
			11/16/2021	ND<0.2	ND<0.2
			4/8/2022	ND<0.2	ND<0.2
MW#03-2	17	16 (94.1176%)	10/11/2016	ND<0.025	ND<0.025
			12/20/2016	ND<0.025	ND<0.025
			2/16/2017	ND<0.025	ND<0.025
			3/8/2017	ND<0.025	ND<0.025

			5/9/2017	0.032	0.032
			6/6/2017	ND<0.025	ND<0.025
			8/22/2017	ND<0.025	ND<0.025
			9/22/2017	ND<0.025	ND<0.025
			11/7/2017	ND<0.1	ND<0.1
			2/27/2018	ND<0.05	ND<0.05
			5/7/2019	ND<0.1	ND<0.1
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	ND<0.2	ND<0.2
			11/17/2020	ND<0.2	ND<0.2
			5/26/2021	ND<0.2	ND<0.2
			11/17/2021	ND<0.2	ND<0.2
			4/8/2022	ND<0.2	ND<0.2

MW#93-2	18	0 (0%)	10/11/2016	2.86	2.86
			12/20/2016	2.31	2.31
			2/16/2017	2.09	2.09
			3/8/2017	2.07	2.07
			5/9/2017	1.97	1.97
			6/6/2017	1.83	1.83
			8/22/2017	2.38	2.38
			9/22/2017	2.48	2.48
			11/7/2017	0.46	0.46
			2/27/2018	0.064	0.064
			9/27/2018	2.01	2.01
			5/7/2019	1.61	1.61
			11/21/2019	1.76	1.76
			6/25/2020	1.74	1.74
			11/16/2020	1.76	1.76
			5/26/2021	1.59	1.59
			11/17/2021	1.71	1.71
			4/8/2022	1.42	1.42

MW#93-3	18	5 (27.7778%)	10/11/2016	0.079	0.079
			12/20/2016	0.08	0.08
			2/16/2017	0.126	0.126
			3/8/2017	0.09	0.09
			5/9/2017	0.139	0.139
			6/6/2017	ND<0.025	ND<0.025
			8/22/2017	0.119	0.119
			9/22/2017	0.118	0.118
			11/7/2017	ND<0.1	ND<0.1
			2/27/2018	0.089	0.089
			9/27/2018	ND<0.1	ND<0.1
			5/7/2019	ND<0.1	ND<0.1
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.0726	0.0726
			11/16/2020	0.0762	0.0762
			5/26/2021	0.0889	0.0889
			11/17/2021	0.0912	0.0912
			4/8/2022	0.0765	0.0765

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 39.7727%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 18

Maximum Background Value = 0.499

Confidence Level = 81.8%

False Positive Rate = 18.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.2	FALSE
MW#03-2	4/8/2022	1	0.2	FALSE
MW#93-2	4/8/2022	1	1.42	TRUE
MW#93-3	4/8/2022	1	0.0765	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 17

Maximum Baseline Concentration = 2.86

Confidence Level = 94.4%

False Positive Rate = 5.6%

Baseline Measurements	Date	Value
	10/11/2016	2.86
	12/20/2016	2.31
	2/16/2017	2.09
	3/8/2017	2.07
	5/9/2017	1.97
	6/6/2017	1.83
	8/22/2017	2.38
	9/22/2017	2.48
	11/7/2017	0.46
	2/27/2018	0.064
	9/27/2018	2.01
	5/7/2019	1.61
	11/21/2019	1.76
	6/25/2020	1.74
	11/16/2020	1.76
	5/26/2021	1.59
	11/17/2021	1.71

Date	Count	Mean	Significant
4/8/2022	1	1.42	FALSE

Shapiro-Francia Test of Normality

Parameter: Boron

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 88

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.025	-2.29036	5.24576	-0.0572591
2	0.025	-2.01409	9.30234	-0.107611
3	0.025	-1.83843	12.6821	-0.153572
4	0.025	-1.70604	15.5927	-0.196223
5	0.025	-1.58927	18.1185	-0.235955
6	0.025	-1.49852	20.3641	-0.273418
7	0.025	-1.41865	22.3766	-0.308884
8	0.025	-1.34694	24.1909	-0.342558
9	0.025	-1.27588	25.8187	-0.374454
10	0.025	-1.21596	27.2973	-0.404853
11	0.025	-1.16012	28.6432	-0.433856
12	0.025	-1.10768	29.8701	-0.461548
13	0.025	-1.05375	30.9805	-0.487892
14	0.025	-1.00687	31.9943	-0.513064
15	0.025	-0.9621	32.9199	-0.537116
16	0.032	-0.919183	33.7648	-0.56653
17	0.041	-0.874218	34.5291	-0.602373
18	0.05	-0.834498	35.2255	-0.644098
19	0.05	-0.796056	35.8592	-0.683901
20	0.064	-0.758753	36.4349	-0.732461
21	0.0726	-0.722479	36.9568	-0.784913
22	0.0762	-0.68396	37.4246	-0.837031
23	0.0765	-0.649522	37.8465	-0.886719
24	0.079	-0.615839	38.2258	-0.93537
25	0.08	-0.582841	38.5655	-0.981998
26	0.0889	-0.547551	38.8653	-1.03067
27	0.089	-0.515791	39.1313	-1.07658
28	0.09	-0.484544	39.3661	-1.12019
29	0.0912	-0.453763	39.572	-1.16157
30	0.1	-0.420664	39.749	-1.20364
31	0.1	-0.390726	39.9016	-1.24271
32	0.1	-0.361133	40.0321	-1.27882
33	0.1	-0.331854	40.1422	-1.31201
34	0.1	-0.300232	40.2323	-1.34203
35	0.1	-0.271509	40.306	-1.36918
36	0.1	-0.243007	40.3651	-1.39348
37	0.118	-0.214702	40.4112	-1.41882
38	0.119	-0.186567	40.446	-1.44102
39	0.126	-0.156042	40.4704	-1.46068
40	0.139	-0.128189	40.4868	-1.4785
41	0.178	-0.100433	40.4969	-1.49638
42	0.185	-0.0727562	40.5022	-1.50984
43	0.2	-0.0426257	40.504	-1.51836
44	0.2	-0.0150408	40.5042	-1.52137
45	0.2	0.0150408	40.5044	-1.51836
46	0.2	0.0426257	40.5063	-1.50984
47	0.2	0.0727562	40.5115	-1.49529

48	0.2	0.100433	40.5216	-1.4752
49	0.2	0.128189	40.5381	-1.44956
50	0.2	0.156042	40.5624	-1.41835
51	0.2	0.186567	40.5972	-1.38104
52	0.2	0.214702	40.6433	-1.3381
53	0.2	0.243007	40.7024	-1.2895
54	0.2	0.271509	40.7761	-1.2352
55	0.2	0.300232	40.8662	-1.17515
56	0.211	0.331854	40.9764	-1.10513
57	0.227	0.361133	41.1068	-1.02315
58	0.303	0.390726	41.2594	-0.904762
59	0.321	0.420664	41.4364	-0.769729
60	0.322	0.453763	41.6423	-0.623617
61	0.33	0.484544	41.8771	-0.463718
62	0.341	0.515791	42.1431	-0.287833
63	0.348	0.547551	42.4429	-0.0972852
64	0.366	0.582841	42.7826	0.116034
65	0.371	0.615839	43.1619	0.344511
66	0.386	0.649522	43.5838	0.595227
67	0.386	0.68396	44.0516	0.859235
68	0.429	0.722479	44.5736	1.16918
69	0.458	0.758753	45.1493	1.51669
70	0.46	0.796056	45.783	1.88287
71	0.46	0.834498	46.4793	2.26674
72	0.499	0.874218	47.2436	2.70298
73	1.42	0.919183	48.0885	4.00822
74	1.59	0.9621	49.0141	5.53796
75	1.61	1.00687	50.0279	7.15901
76	1.71	1.05375	51.1383	8.96091
77	1.74	1.10768	52.3652	10.8883
78	1.76	1.16012	53.7111	12.9301
79	1.76	1.21596	55.1897	15.0702
80	1.83	1.27588	56.8175	17.405
81	1.97	1.34694	58.6318	20.0585
82	2.01	1.41865	60.6444	22.91
83	2.07	1.49852	62.8899	26.0119
84	2.09	1.58927	65.4157	29.3335
85	2.31	1.70604	68.3263	33.2745
86	2.38	1.83843	71.7061	37.6499
87	2.48	2.01409	75.7627	42.6449
88	2.86	2.29036	81.0084	49.1953

Data Set Standard Deviation = 0.730155
 Numerator = 2420.18
 Denominator = 3757.33
 W Statistic = 0.644121 = 2420.18 / 3757.33

5% Critical value of 0.972 exceeds 0.644121
Evidence of non-normality at 95% level of significance

1% Critical value of 0.961 exceeds 0.644121
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.137224

Overall Std Dev = 0.266591

Overall Total = 12.0757

SS Groups = 2.07997

SS Total = 6.18315

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.07997	4	0.519992	10.5185
Error (within groups)	4.10318	83	0.0494359	
Totals	6.18315	87		

95% F-Statistic = 2.44724

10.5185 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
10/11/2016	0.0889444
12/20/2016	0.0459444
2/16/2017	0.000944444
3/8/2017	0.00794444
5/9/2017	0.0259444
6/6/2017	0.0309444
8/22/2017	0.117944
9/22/2017	0.158944
11/7/2017	0.119944
2/27/2018	0.0100556
9/27/2018	0.0459444
5/7/2019	0.162056
11/21/2019	0.0370556
6/25/2020	0.155056
11/17/2020	0.129056
5/26/2021	0.113056
11/17/2021	0.0180556
4/8/2022	0.0190556

Group: MW#03-1

Date	Residual
10/11/2016	0.073
12/20/2016	0.073
2/16/2017	0.073
3/8/2017	0.073
5/9/2017	0.057
6/6/2017	0.073
8/22/2017	0.073
9/22/2017	0.073
11/7/2017	0.002
2/27/2018	0.048

5/7/2019	0.002
11/21/2019	0.102
6/25/2020	0.102
11/17/2020	0.102
5/26/2021	0.102
11/16/2021	0.102
4/8/2022	0.102

Group: MW#03-2

Date	Residual
10/11/2016	0.0724706
12/20/2016	0.0724706
2/16/2017	0.0724706
3/8/2017	0.0724706
5/9/2017	0.0654706
6/6/2017	0.0724706
8/22/2017	0.0724706
9/22/2017	0.0724706
11/7/2017	0.00252941
2/27/2018	0.0474706
5/7/2019	0.00252941
11/21/2019	0.102529
6/25/2020	0.102529
11/17/2020	0.102529
5/26/2021	0.102529
11/17/2021	0.102529
4/8/2022	0.102529

Group: MW#93-2

Date	Residual
10/11/2016	1.07589
12/20/2016	0.525889
2/16/2017	0.305889
3/8/2017	0.285889
5/9/2017	0.185889
6/6/2017	0.0458889
8/22/2017	0.595889
9/22/2017	0.695889
11/7/2017	1.32411
2/27/2018	1.72011
9/27/2018	0.225889
5/7/2019	0.174111
11/21/2019	0.0241111
6/25/2020	0.0441111
11/16/2020	0.0241111
5/26/2021	0.194111
11/17/2021	0.0741111
4/8/2022	0.364111

Group: MW#93-3

Date	Residual
10/11/2016	0.0193556
12/20/2016	0.0183556
2/16/2017	0.0276444
3/8/2017	0.00835556
5/9/2017	0.0406444
6/6/2017	0.0733556
8/22/2017	0.0206444
9/22/2017	0.0196444
11/7/2017	0.00164444

2/27/2018	0.00935556
9/27/2018	0.00164444
5/7/2019	0.00164444
11/21/2019	0.101644
6/25/2020	0.0257556
11/16/2020	0.0221556
5/26/2021	0.00945556
11/17/2021	0.00715556
4/8/2022	0.0218556

Concentrations (ppb)

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 61

Percent Non-Detects: 87.1429%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	8 (57.1429%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.00117	ND<0.00117
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	0.00125	0.00125
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	0.00112	0.00112
			6/25/2020	0.000369	0.000369
			11/17/2020	0.000541	0.000541
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	0.00043	0.00043
			4/8/2022	0.000376	0.000376

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	0.00486	0.00486
			8/22/2018	0.0204	0.0204
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			3/26/2019	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/16/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#03-2	14	14 (100%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.001	ND<0.001
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
11/17/2020	ND<0.001	ND<0.001			

			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#93-2	14	13 (92.8571%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.001	ND<0.001
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	0.000207	0.000207
			4/8/2022	ND<0.001	ND<0.001
MW#93-3	14	14 (100%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.001	ND<0.001
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 87.1429%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 0.00125

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.001	FALSE
MW#03-2	4/8/2022	1	0.001	FALSE
MW#93-2	4/8/2022	1	0.001	FALSE
MW#93-3	4/8/2022	1	0.001	FALSE

Levene's Test for Equal of Variance

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.000641692
Overall Std Dev = 0.00217224
Overall Total = 0.0449184
SS Groups = 8.58107e-005
SS Total = 0.000325587

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	8.58107e-005	4	2.14527e-005	5.81553
Error (within groups)	0.000239776	65	3.68886e-006	
Totals	0.000325587	69		

95% F-Statistic = 2.44724

5.81553 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.000124571
6/19/2018	0.000124571
7/19/2018	0.000124571
8/22/2018	0.000124571
9/19/2018	0.000294571
10/18/2018	0.000124571
11/20/2018	0.000374571
12/20/2018	0.000124571
11/21/2019	0.000244571
6/25/2020	0.000506429
11/17/2020	0.000334429
5/26/2021	0.000124571
11/17/2021	0.000445429
4/8/2022	0.000499429

Group: MW#03-1

Date	Residual
5/24/2018	0.00166143
6/19/2018	0.00166143
7/19/2018	0.00219857
8/22/2018	0.0177386
10/18/2018	0.00166143
11/20/2018	0.00166143
12/20/2018	0.00166143
3/26/2019	0.00166143
11/21/2019	0.00166143
6/25/2020	0.00166143
11/17/2020	0.00166143
5/26/2021	0.00166143
11/16/2021	0.00166143
4/8/2022	0.00166143

Group: MW#03-2

Date	Residual
5/24/2018	4.33681e-019
6/19/2018	4.33681e-019
7/19/2018	4.33681e-019
8/22/2018	4.33681e-019
9/19/2018	4.33681e-019
10/18/2018	4.33681e-019
11/20/2018	4.33681e-019
12/20/2018	4.33681e-019
11/21/2019	4.33681e-019
6/25/2020	4.33681e-019
11/17/2020	4.33681e-019
5/26/2021	4.33681e-019
11/17/2021	4.33681e-019
4/8/2022	4.33681e-019

Group: MW#93-2

Date	Residual
5/24/2018	5.66429e-005
6/19/2018	5.66429e-005
7/19/2018	5.66429e-005
8/22/2018	5.66429e-005
9/19/2018	5.66429e-005
10/18/2018	5.66429e-005
11/20/2018	5.66429e-005
12/20/2018	5.66429e-005
11/21/2019	5.66429e-005
6/25/2020	5.66429e-005
11/16/2020	5.66429e-005
5/26/2021	5.66429e-005
11/17/2021	0.000736357
4/8/2022	5.66429e-005

Group: MW#93-3

Date	Residual
5/24/2018	4.33681e-019
6/19/2018	4.33681e-019
7/19/2018	4.33681e-019
8/22/2018	4.33681e-019
9/19/2018	4.33681e-019
10/18/2018	4.33681e-019
11/20/2018	4.33681e-019
12/20/2018	4.33681e-019
11/21/2019	4.33681e-019
6/25/2020	4.33681e-019
11/16/2020	4.33681e-019
5/26/2021	4.33681e-019
11/17/2021	4.33681e-019
4/8/2022	4.33681e-019

Shapiro-Francia Test of Normality

Parameter: Cadmium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 70

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.000207	-2.19728	4.82806	-0.000454838
2	0.000369	-1.91103	8.4801	-0.00116001
3	0.000376	-1.72793	11.4658	-0.00180971
4	0.00043	-1.58927	13.9916	-0.0024931
5	0.000541	-1.47579	16.1696	-0.0032915
6	0.001	-1.37866	18.0703	-0.00467016
7	0.001	-1.29303	19.7422	-0.00596319
8	0.001	-1.21596	21.2208	-0.00717915
9	0.001	-1.1455	22.5329	-0.00832465
10	0.001	-1.08032	23.7	-0.00940497
11	0.001	-1.01943	24.7393	-0.0104244
12	0.001	-0.958125	25.6573	-0.0113825
13	0.001	-0.903992	26.4745	-0.0122865
14	0.001	-0.852385	27.201	-0.0131389
15	0.001	-0.802956	27.8458	-0.0139419
16	0.001	-0.755415	28.4164	-0.0146973
17	0.001	-0.709522	28.9199	-0.0154068
18	0.001	-0.665079	29.3622	-0.0160719
19	0.001	-0.621911	29.749	-0.0166938
20	0.001	-0.579873	30.0852	-0.0172737
21	0.001	-0.538836	30.3756	-0.0178125
22	0.001	-0.498687	30.6242	-0.0183112
23	0.001	-0.459327	30.8352	-0.0187705
24	0.001	-0.417928	31.0099	-0.0191884
25	0.001	-0.379927	31.1542	-0.0195684
26	0.001	-0.342466	31.2715	-0.0199108
27	0.001	-0.305481	31.3648	-0.0202163
28	0.001	-0.268908	31.4371	-0.0204852
29	0.001	-0.232693	31.4913	-0.0207179
30	0.001	-0.196779	31.53	-0.0209147
31	0.001	-0.161119	31.556	-0.0210758
32	0.001	-0.125661	31.5718	-0.0212015
33	0.001	-0.0903606	31.5799	-0.0212918
34	0.001	-0.0551734	31.583	-0.021347
35	0.001	-0.0200544	31.5834	-0.0213671
36	0.001	0.0200544	31.5838	-0.021347
37	0.001	0.0551734	31.5868	-0.0212918
38	0.001	0.0903606	31.595	-0.0212015
39	0.001	0.125661	31.6108	-0.0210758
40	0.001	0.161119	31.6367	-0.0209147
41	0.001	0.196779	31.6755	-0.0207179
42	0.001	0.232693	31.7296	-0.0204852
43	0.001	0.268908	31.8019	-0.0202163
44	0.001	0.305481	31.8952	-0.0199108
45	0.001	0.342466	32.0125	-0.0195684
46	0.001	0.379927	32.1569	-0.0191884
47	0.001	0.417928	32.3315	-0.0187705

48	0.001	0.459327	32.5425	-0.0183112
49	0.001	0.498687	32.7912	-0.0178125
50	0.001	0.538836	33.0815	-0.0172737
51	0.001	0.579873	33.4178	-0.0166938
52	0.001	0.621911	33.8046	-0.0160719
53	0.001	0.665079	34.2469	-0.0154068
54	0.001	0.709522	34.7503	-0.0146973
55	0.001	0.755415	35.321	-0.0139419
56	0.001	0.802956	35.9657	-0.0131389
57	0.001	0.852385	36.6923	-0.0122865
58	0.001	0.903992	37.5095	-0.0113825
59	0.001	0.958125	38.4275	-0.0104244
60	0.001	1.01943	39.4667	-0.00940497
61	0.001	1.08032	40.6338	-0.00832465
62	0.001	1.1455	41.946	-0.00717915
63	0.001	1.21596	43.4245	-0.00596319
64	0.001	1.29303	45.0965	-0.00467016
65	0.001	1.37866	46.9972	-0.0032915
66	0.00112	1.47579	49.1751	-0.00163861
67	0.00117	1.58927	51.7009	0.000220832
68	0.00125	1.72793	54.6867	0.00238075
69	0.00486	1.91103	58.3387	0.0116684
70	0.0204	2.19728	63.1668	0.056493

Data Set Standard Deviation = 0.00236883
 Numerator = 0.00319145
 Denominator = 0.0244571
 W Statistic = 0.130492 = 0.00319145 / 0.0244571

5% Critical value of 0.967 exceeds 0.130492
Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.130492
Evidence of non-normality at 99% level of significance

Concentrations (ppb)

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 97

Total Non-Detect: 5

Percent Non-Detects: 5.15464%

Total Background Measurements: 22

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	22	1 (4.54545%)	6/6/2012	484	484
			12/12/2012	560	560
			6/19/2013	670	670
			12/11/2013	549	549
			6/11/2014	192	192
			12/3/2014	213	213
			6/17/2015	184	184
			12/1/2015	199	199
			6/22/2016	205	205
			12/20/2016	202	202
			6/6/2017	206	206
			11/7/2017	212	212
			2/27/2018	211	211
			9/27/2018	240	240
			11/20/2018	ND<0.5	ND<0.5
			5/7/2019	212	212
			11/21/2019	228	228
			6/25/2020	210	210
			11/17/2020	212	212
			5/26/2021	179	179
			11/17/2021	210	210
			4/8/2022	227	227

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	22	1 (4.54545%)	6/6/2012	78.9	78.9
			12/12/2012	101	101
			6/19/2013	100	100
			12/11/2013	88	88
			6/11/2014	41.8	41.8
			12/3/2014	53.8	53.8
			6/17/2015	2.29	2.29
			12/1/2015	42.8	42.8
			6/22/2016	40	40
			12/20/2016	41.8	41.8
			6/6/2017	45.2	45.2
			11/7/2017	68.5	68.5
			2/27/2018	74.7	74.7
			9/27/2018	68.9	68.9
			11/20/2018	ND<0.5	ND<0.5
			5/7/2019	86.3	86.3
			11/21/2019	117	117
			6/25/2020	198	198

			11/16/2020	225	225
			5/26/2021	200	200
			11/17/2021	195	195
			4/8/2022	228	228
MW#93-3	22	1 (4.54545%)	6/6/2012	86.4	86.4
			12/12/2012	97	97
			6/19/2013	163	163
			12/11/2013	102	102
			6/11/2014	49.5	49.5
			12/3/2014	31.7	31.7
			6/17/2015	43.4	43.4
			12/1/2015	58	58
			6/22/2016	95.6	95.6
			12/20/2016	82.1	82.1
			6/6/2017	56	56
			11/7/2017	80.2	80.2
			2/27/2018	91.8	91.8
			9/27/2018	94.8	94.8
			11/20/2018	ND<0.5	ND<0.5
			5/7/2019	110	110
			11/21/2019	107	107
			6/25/2020	92.2	92.2
			11/16/2020	82.8	82.8
			5/26/2021	75.1	75.1
			11/17/2021	80.7	80.7
			4/8/2022	80.2	80.2
MW#03-1	15	1 (6.66667%)	5/24/2018	22.2	22.2
			6/19/2018	43.6	43.6
			7/19/2018	154	154
			8/22/2018	613	613
			11/20/2018	ND<0.5	ND<0.5
			11/20/2018	35.6	35.6
			12/20/2018	13.3	13.3
			3/26/2019	16.6	16.6
			5/7/2019	15	15
			11/21/2019	16.9	16.9
			6/25/2020	35.6	35.6
			11/17/2020	76.2	76.2
			5/26/2021	8.58	8.58
			11/16/2021	27.4	27.4
			4/8/2022	10.8	10.8
MW#03-2	16	1 (6.25%)	5/24/2018	197	197
			6/19/2018	291	291
			7/19/2018	338	338
			8/22/2018	325	325
			9/19/2018	303	303
			9/27/2018	352	352
			11/20/2018	ND<0.5	ND<0.5
			11/20/2018	331	331
			12/20/2018	350	350
			5/7/2019	267	267
			11/21/2019	386	386
			6/25/2020	338	338
			11/17/2020	321	321

5/26/2021	302	302
11/17/2021	294	294
4/8/2022	291	291

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Shapiro-Francia Test of Normality

Parameter: Calcium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 97

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.5	-2.32634	5.41187	-1.16317
2	0.5	-2.05375	9.62975	-2.19005
3	0.5	-1.88079	13.1671	-3.13044
4	0.5	-1.75069	16.232	-4.00578
5	0.5	-1.63524	18.906	-4.8234
6	2.29	-1.54643	21.2975	-8.36473
7	8.58	-1.46838	23.4536	-20.9635
8	10.8	-1.39838	25.4091	-36.0659
9	13.3	-1.33462	27.1903	-53.8164
10	15	-1.27024	28.8038	-72.87
11	16.6	-1.21596	30.2824	-93.0549
12	16.9	-1.16505	31.6397	-112.744
13	22.2	-1.11699	32.8873	-137.541
14	27.4	-1.07138	34.0352	-166.897
15	31.7	-1.02365	35.0831	-199.347
16	35.6	-0.982202	36.0478	-234.313
17	35.6	-0.942375	36.9359	-267.862
18	40	-0.903992	37.7531	-304.021
19	41.8	-0.866894	38.5046	-340.258
20	41.8	-0.827417	39.1892	-374.844
21	42.8	-0.792618	39.8174	-408.768
22	43.4	-0.758753	40.3931	-441.698
23	43.6	-0.725736	40.9198	-473.34
24	45.2	-0.693493	41.4008	-504.686
25	49.5	-0.658838	41.8348	-537.298
26	53.8	-0.628006	42.2292	-571.085
27	56	-0.597761	42.5865	-604.559
28	58	-0.568052	42.9092	-637.506
29	68.5	-0.538836	43.1996	-674.417
30	68.9	-0.507221	43.4568	-709.364
31	74.7	-0.478914	43.6862	-745.139
32	75.1	-0.450985	43.8896	-779.008
33	76.2	-0.423405	44.0688	-811.272
34	78.9	-0.396142	44.2258	-842.527
35	80.2	-0.36649	44.3601	-871.92
36	80.2	-0.33981	44.4756	-899.172
37	80.7	-0.31337	44.5738	-924.461
38	82.1	-0.287147	44.6562	-948.036
39	82.8	-0.26112	44.7244	-969.657
40	86.3	-0.232693	44.7785	-989.738
41	86.4	-0.207012	44.8214	-1007.62
42	88	-0.181468	44.8543	-1023.59
43	91.8	-0.156042	44.8787	-1037.92
44	92.2	-0.130716	44.8958	-1049.97
45	94.8	-0.102953	44.9064	-1059.73
46	95.6	-0.0777834	44.9124	-1067.17
47	97	-0.0526632	44.9152	-1072.27

48	100	-0.0275759	44.916	-1075.03
49	101	0	44.916	-1075.03
50	102	0.0275759	44.9167	-1072.22
51	107	0.0526632	44.9195	-1066.58
52	110	0.0777834	44.9255	-1058.03
53	117	0.102953	44.9361	-1045.98
54	154	0.130716	44.9532	-1025.85
55	163	0.156042	44.9776	-1000.42
56	179	0.181468	45.0105	-967.935
57	184	0.207012	45.0534	-929.844
58	192	0.232693	45.1075	-885.167
59	195	0.26112	45.1757	-834.249
60	197	0.287147	45.2581	-777.681
61	198	0.31337	45.3563	-715.634
62	199	0.33981	45.4718	-648.011
63	200	0.36649	45.6061	-574.713
64	202	0.396142	45.7631	-494.693
65	205	0.423405	45.9423	-407.895
66	206	0.450985	46.1457	-314.992
67	210	0.478914	46.3751	-214.42
68	210	0.507221	46.6323	-107.904
69	211	0.538836	46.9227	5.79076
70	212	0.568052	47.2454	126.218
71	212	0.597761	47.6027	252.943
72	212	0.628006	47.9971	386.08
73	213	0.658838	48.4311	526.413
74	225	0.693493	48.9121	682.449
75	227	0.725736	49.4388	847.191
76	228	0.758753	50.0145	1020.19
77	228	0.792618	50.6427	1200.9
78	240	0.827417	51.3273	1399.48
79	267	0.866894	52.0788	1630.94
80	291	0.903992	52.896	1894.01
81	291	0.942375	53.7841	2168.24
82	294	0.982202	54.7488	2457
83	302	1.02365	55.7967	2766.15
84	303	1.07138	56.9446	3090.78
85	321	1.11699	58.1922	3449.33
86	325	1.16505	59.5495	3827.97
87	331	1.21596	61.0281	4230.45
88	338	1.27024	62.6416	4659.79
89	338	1.33462	64.4228	5110.89
90	350	1.39838	66.3783	5600.33
91	352	1.46838	68.5344	6117.2
92	386	1.54643	70.9259	6714.12
93	484	1.63524	73.5999	7505.57
94	549	1.75069	76.6648	8466.7
95	560	1.88079	80.2022	9519.94
96	613	2.05375	84.42	10778.9
97	670	2.32634	89.8319	12337.5

Data Set Standard Deviation = 142.545
 Numerator = 1.52215e+008
 Denominator = 1.75229e+008
 W Statistic = 0.868664 = 1.52215e+008 / 1.75229e+008

5% Critical value of 0.975 exceeds 0.868664
Evidence of non-normality at 95% level of significance

1% Critical value of 0.965 exceeds 0.868664
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 63.8744

Overall Std Dev = 84.63

Overall Total = 6195.81

SS Groups = 94014.9

SS Total = 687575

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	94014.9	4	23503.7	3.64301
Error (within groups)	593560	92	6451.74	
Totals	687575	96		

95% F-Statistic = 2.44724

3.64301 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
6/6/2012	220.114
12/12/2012	296.114
6/19/2013	406.114
12/11/2013	285.114
6/11/2014	71.8864
12/3/2014	50.8864
6/17/2015	79.8864
12/1/2015	64.8864
6/22/2016	58.8864
12/20/2016	61.8864
6/6/2017	57.8864
11/7/2017	51.8864
2/27/2018	52.8864
9/27/2018	23.8864
11/20/2018	263.386
5/7/2019	51.8864
11/21/2019	35.8864
6/25/2020	53.8864
11/17/2020	51.8864
5/26/2021	84.8864
11/17/2021	53.8864
4/8/2022	36.8864

Group: MW#93-2

Date	Residual
6/6/2012	16.4405
12/12/2012	5.65955
6/19/2013	4.65955
12/11/2013	7.34045
6/11/2014	53.5405
12/3/2014	41.5405

6/17/2015	93.0505
12/1/2015	52.5405
6/22/2016	55.3405
12/20/2016	53.5405
6/6/2017	50.1405
11/7/2017	26.8405
2/27/2018	20.6405
9/27/2018	26.4405
11/20/2018	94.8405
5/7/2019	9.04045
11/21/2019	21.6595
6/25/2020	102.66
11/16/2020	129.66
5/26/2021	104.66
11/17/2021	99.6595
4/8/2022	132.66

Group: MW#93-3

Date	Residual
6/6/2012	6.4
12/12/2012	17
6/19/2013	83
12/11/2013	22
6/11/2014	30.5
12/3/2014	48.3
6/17/2015	36.6
12/1/2015	22
6/22/2016	15.6
12/20/2016	2.1
6/6/2017	24
11/7/2017	0.2
2/27/2018	11.8
9/27/2018	14.8
11/20/2018	79.5
5/7/2019	30
11/21/2019	27
6/25/2020	12.2
11/16/2020	2.8
5/26/2021	4.9
11/17/2021	0.7
4/8/2022	0.2

Group: MW#03-1

Date	Residual
5/24/2018	50.4187
6/19/2018	29.0187
7/19/2018	81.3813
8/22/2018	540.381
11/20/2018	72.1187
11/20/2018	37.0187
12/20/2018	59.3187
3/26/2019	56.0187
5/7/2019	57.6187
11/21/2019	55.7187
6/25/2020	37.0187
11/17/2020	3.58133
5/26/2021	64.0387
11/16/2021	45.2187
4/8/2022	61.8187

Group: MW#03-2

Date	Residual
5/24/2018	95.9063
6/19/2018	1.90625
7/19/2018	45.0938
8/22/2018	32.0938
9/19/2018	10.0938
9/27/2018	59.0938
11/20/2018	292.406
11/20/2018	38.0938
12/20/2018	57.0938
5/7/2019	25.9063
11/21/2019	93.0938
6/25/2020	45.0938
11/17/2020	28.0938
5/26/2021	9.09375
11/17/2021	1.09375
4/8/2022	1.90625

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 5.15464%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 22

Maximum Background Value = 670

Confidence Level = 84.6%

False Positive Rate = 15.4%

Location	Date	Count	Mean	Significant
MW#93-2	4/8/2022	1	228	FALSE
MW#93-3	4/8/2022	1	80.2	FALSE
MW#03-1	4/8/2022	1	10.8	FALSE
MW#03-2	4/8/2022	1	291	FALSE

Concentrations (ppb)

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 310

Total Non-Detect: 6

Percent Non-Detects: 1.93548%

Total Background Measurements: 77

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	77	0 (0%)	12/15/1994	30	30
			3/14/1995	38	38
			6/21/1995	37	37
			12/14/1995	24	24
			3/6/1996	20	20
			4/25/1996	32	32
			10/2/1996	40	40
			12/10/1996	30	30
			3/11/1997	4	4
			4/15/1997	28	28
			8/14/1997	33	33
			12/4/1997	29	29
			3/31/1998	30	30
			6/23/1998	37	37
			8/11/1998	24	24
			12/8/1998	31	31
			3/9/1999	30	30
			6/8/1999	35	35
			8/19/1999	40	40
			12/14/1999	40	40
			3/7/2000	50	50
			6/23/2000	52	52
			12/12/2000	54	54
			3/27/2001	60	60
			6/28/2001	58	58
			9/10/2001	46	46
			12/18/2001	46	46
			3/19/2002	42	42
			6/26/2002	51	51
			9/18/2002	57	57
			12/11/2002	56	56
			3/13/2003	56	56
			6/25/2003	63	63
			9/26/2003	59	59
			12/10/2003	40	40
			3/9/2004	58	58
			6/24/2004	61	61
			9/15/2004	44	44
			12/15/2004	48	48
			3/16/2005	42	42
			6/15/2005	42	42
			9/21/2005	42	42
			12/21/2005	58	58
			3/15/2006	50	50
			6/21/2006	31	31

12/20/2006	35	35
6/12/2007	24	24
12/17/2007	27	27
6/11/2008	29	29
12/3/2008	28	28
6/17/2009	20	20
12/9/2009	24	24
6/17/2010	17	17
12/22/2010	20	20
6/29/2011	20.8	20.8
12/7/2011	17.6	17.6
6/6/2012	23.8	23.8
12/12/2012	22.2	22.2
6/19/2013	21.5	21.5
12/11/2013	17.6	17.6
6/11/2014	19.3	19.3
12/3/2014	16.9	16.9
6/17/2015	13	13
12/1/2015	15.2	15.2
6/22/2016	13	13
12/20/2016	15.2	15.2
6/6/2017	16.1	16.1
11/7/2017	16.2	16.2
2/27/2018	15.6	15.6
9/27/2018	16.8	16.8
5/7/2019	18.8	18.8
11/21/2019	22	22
6/25/2020	11	11
11/17/2020	14.4	14.4
5/26/2021	12.9	12.9
11/17/2021	17.7	17.7
4/8/2022	14.3	14.3

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	36	4 (11.1111%)	6/24/2004	10	10
			9/15/2004	22	22
			12/15/2004	6	6
			3/16/2005	4	4
			6/15/2005	6	6
			9/21/2005	5	5
			12/20/2006	5	5
			6/12/2007	4	4
			12/17/2007	3	3
			6/11/2008	11	11
			12/3/2008	11	11
			6/17/2009	4	4
			12/9/2009	32	32
			6/17/2010	5	5
			12/22/2010	8.7	8.7
			6/29/2011	4.86	4.86
			12/7/2011	5.88	5.88
			6/6/2012	9.36	9.36
			6/19/2013	ND<5	ND<5
			12/11/2013	ND<5	ND<5

6/11/2014	44	44
12/3/2014	ND<5	ND<5
6/17/2015	ND<5	ND<5
12/1/2015	0.777	0.777
6/22/2016	0.628	0.628
12/20/2016	0.786	0.786
6/6/2017	0.887	0.887
11/7/2017	1.13	1.13
2/27/2018	1.07	1.07
5/7/2019	5.9	5.9
11/21/2019	410	410
6/25/2020	0.652	0.652
11/17/2020	2.29	2.29
5/26/2021	1.64	1.64
11/16/2021	0.704	0.704
4/8/2022	0.942	0.942

MW#03-2	42	1 (2.38095%)	6/24/2004	36	36
			9/15/2004	4	4
			12/15/2004	28	28
			3/16/2005	30	30
			6/15/2005	30	30
			9/21/2005	27	27
			12/21/2005	26	26
			3/15/2006	27	27
			6/21/2006	23	23
			12/20/2006	35	35
			6/12/2007	30	30
			12/17/2007	20	20
			6/11/2008	41	41
			12/3/2008	46	46
			6/17/2009	60	60
			12/9/2009	45	45
			6/17/2010	33	33
			12/22/2010	29	29
			6/29/2011	28.4	28.4
			12/7/2011	23.5	23.5
			6/6/2012	29.3	29.3
			12/12/2012	28.3	28.3
			6/19/2013	32.1	32.1
			12/11/2013	32.8	32.8
			6/11/2014	ND<5	ND<5
			12/3/2014	51.2	51.2
			6/17/2015	54.7	54.7
			12/1/2015	67.8	67.8
			6/22/2016	79.7	79.7
			10/11/2016	88.4	88.4
			12/20/2016	126	126
			6/6/2017	117	117
			11/7/2017	288	288
			2/27/2018	247	247
			9/27/2018	283	283
			5/7/2019	313	313
			11/21/2019	543	543
			6/25/2020	448	448
			11/17/2020	435	435
			5/26/2021	511	511

			11/17/2021	501	501
			4/8/2022	440	440
MW#93-2	78	1 (1.28205%)	12/15/1994	400	400
			3/14/1995	1500	1500
			6/21/1995	75	75
			12/14/1995	1749	1749
			3/6/1996	1674	1674
			4/25/1996	1999	1999
			10/2/1996	1553	1553
			12/10/1996	1560	1560
			3/11/1997	1634	1634
			4/15/1997	1700	1700
			8/14/1997	2149	2149
			12/4/1997	1769	1769
			3/31/1998	2000	2000
			6/23/1998	2099	2099
			8/11/1998	1874	1874
			12/8/1998	1922	1922
			3/9/1999	1700	1700
			6/8/1999	1739	1739
			8/19/1999	1800	1800
			12/14/1999	1800	1800
			3/7/2000	1328	1328
			6/23/2000	950	950
			12/12/2000	1789	1789
			3/27/2001	1749	1749
			6/28/2001	1799	1799
			9/10/2001	2050	2050
			12/18/2001	1600	1600
			3/19/2002	1730	1730
			6/26/2002	1699	1699
			9/18/2002	1674	1674
			12/11/2002	1613	1613
			3/13/2003	1510	1510
			6/25/2003	1800	1800
			9/26/2003	1616	1616
			12/10/2003	1509	1509
			3/9/2004	1800	1800
			6/24/2004	1892	1892
			9/15/2004	1435	1435
			12/15/2004	1600	1600
			3/16/2005	1325	1325
			6/15/2005	1400	1400
			9/21/2005	1412	1412
			12/21/2005	1550	1550
			3/15/2006	1375	1375
			6/21/2006	1500	1500
			12/20/2006	1250	1250
			2/21/2007	1250	1250
			6/12/2007	1350	1350
			12/17/2007	1399	1399
			6/11/2008	1210	1210
			12/3/2008	1584	1584
			6/17/2009	750	750
			12/9/2009	875	875
			6/17/2010	1500	1500

12/22/2010	1600	1600
6/29/2011	1670	1670
12/7/2011	1510	1510
6/6/2012	1610	1610
12/12/2012	1750	1750
6/19/2013	1390	1390
12/11/2013	1410	1410
6/11/2014	1360	1360
12/3/2014	1520	1520
6/17/2015	47.7	47.7
12/1/2015	1760	1760
6/22/2016	1300	1300
12/20/2016	1690	1690
6/6/2017	1580	1580
11/7/2017	1160	1160
2/27/2018	1270	1270
9/27/2018	1250	1250
5/7/2019	1360	1360
11/21/2019	ND<5	ND<5
6/25/2020	109	109
11/16/2020	1210	1210
5/26/2021	1670	1670
11/17/2021	1800	1800
4/8/2022	1460	1460

MW#93-3 77 0 (0%)

12/15/1994	440	440
3/14/1995	420	420
6/21/1995	420	420
12/14/1995	406	406
3/6/1996	368	368
4/25/1996	384	384
10/2/1996	430	430
12/10/1996	377	377
3/11/1997	375	375
4/15/1997	400	400
8/14/1997	916	916
12/4/1997	249	249
3/31/1998	275	275
6/23/1998	246	246
8/11/1998	500	500
12/8/1998	260	260
3/9/1999	280	280
6/8/1999	214	214
8/19/1999	260	260
12/14/1999	200	200
3/7/2000	232	232
6/23/2000	270	270
12/12/2000	196	196
3/27/2001	190	190
6/28/2001	180	180
9/10/2001	202	202
12/18/2001	149	149
3/19/2002	203	203
6/26/2002	180	180
9/18/2002	185	185
12/11/2002	178	178
3/13/2003	207	207

6/25/2003	190	190
9/26/2003	158	158
12/10/2003	140	140
3/9/2004	13	13
6/24/2004	160	160
9/15/2004	139	139
12/15/2004	122	122
3/16/2005	180	180
6/15/2005	150	150
9/21/2005	215	215
12/21/2005	180	180
3/15/2006	221	221
6/21/2006	210	210
12/20/2006	210	210
6/12/2007	110	110
12/17/2007	131	131
6/11/2008	144	144
12/3/2008	152	152
6/17/2009	120	120
12/9/2009	175	175
6/17/2010	150	150
12/22/2010	170	170
6/29/2011	170	170
12/7/2011	98.9	98.9
6/6/2012	194	194
12/12/2012	168	168
6/19/2013	194	194
12/11/2013	173	173
6/11/2014	254	254
12/3/2014	194	194
6/17/2015	168	168
12/1/2015	280	280
6/22/2016	518	518
12/20/2016	475	475
6/6/2017	113	113
11/7/2017	402	402
2/27/2018	435	435
9/27/2018	426	426
5/7/2019	421	421
11/21/2019	1070	1070
6/25/2020	143	143
11/16/2020	187	187
5/26/2021	232	232
11/17/2021	183	183
4/8/2022	231	231

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 1.93548%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 77

Maximum Background Value = 63

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.942	FALSE
MW#03-2	4/8/2022	1	440	TRUE
MW#93-2	4/8/2022	1	1460	TRUE
MW#93-3	4/8/2022	1	231	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 1.31579%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 76

Maximum Baseline Concentration = 2149

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	400
	3/14/1995	1500
	6/21/1995	75
	12/14/1995	1749
	3/6/1996	1674
	4/25/1996	1999
	10/2/1996	1553
	12/10/1996	1560
	3/11/1997	1634
	4/15/1997	1700
	8/14/1997	2149
	12/4/1997	1769
	3/31/1998	2000
	6/23/1998	2099
	8/11/1998	1874
	12/8/1998	1922
	3/9/1999	1700
	6/8/1999	1739
	8/19/1999	1800
	12/14/1999	1800
	3/7/2000	1328
	6/23/2000	950
	12/12/2000	1789
	3/27/2001	1749
	6/28/2001	1799
	9/10/2001	2050
	12/18/2001	1600
	3/19/2002	1730
	6/26/2002	1699
	9/18/2002	1674
	12/11/2002	1613
	3/13/2003	1510
	6/25/2003	1800
	9/26/2003	1616
	12/10/2003	1509
	3/9/2004	1800
	6/24/2004	1892
	9/15/2004	1435
	12/15/2004	1600
	3/16/2005	1325
	6/15/2005	1400
	9/21/2005	1412

12/21/2005	1550
3/15/2006	1375
6/21/2006	1500
12/20/2006	1250
2/21/2007	1250
6/12/2007	1350
12/17/2007	1399
6/11/2008	1210
12/3/2008	1584
6/17/2009	750
12/9/2009	875
6/17/2010	1500
12/22/2010	1600
6/29/2011	1670
12/7/2011	1510
6/6/2012	1610
12/12/2012	1750
6/19/2013	1390
12/11/2013	1410
6/11/2014	1360
12/3/2014	1520
6/17/2015	47.7
12/1/2015	1760
6/22/2016	1300
12/20/2016	1690
6/6/2017	1580
11/7/2017	1160
2/27/2018	1270
9/27/2018	1250
5/7/2019	1360
11/21/2019	ND<5
6/25/2020	109
11/16/2020	1210
5/26/2021	1670

Date	Count	Mean	Significant
4/8/2022	1	1460	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-1

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 76

Maximum Baseline Concentration = 63

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	30
	3/14/1995	38
	6/21/1995	37
	12/14/1995	24
	3/6/1996	20
	4/25/1996	32
	10/2/1996	40
	12/10/1996	30
	3/11/1997	4
	4/15/1997	28
	8/14/1997	33
	12/4/1997	29
	3/31/1998	30
	6/23/1998	37
	8/11/1998	24
	12/8/1998	31
	3/9/1999	30
	6/8/1999	35
	8/19/1999	40
	12/14/1999	40
	3/7/2000	50
	6/23/2000	52
	12/12/2000	54
	3/27/2001	60
	6/28/2001	58
	9/10/2001	46
	12/18/2001	46
	3/19/2002	42
	6/26/2002	51
	9/18/2002	57
	12/11/2002	56
	3/13/2003	56
	6/25/2003	63
	9/26/2003	59
	12/10/2003	40
	3/9/2004	58
	6/24/2004	61
	9/15/2004	44
	12/15/2004	48
	3/16/2005	42
	6/15/2005	42
	9/21/2005	42

12/21/2005	58
3/15/2006	50
6/21/2006	31
12/20/2006	35
6/12/2007	24
12/17/2007	27
6/11/2008	29
12/3/2008	28
6/17/2009	20
12/9/2009	24
6/17/2010	17
12/22/2010	20
6/29/2011	20.8
12/7/2011	17.6
6/6/2012	23.8
12/12/2012	22.2
6/19/2013	21.5
12/11/2013	17.6
6/11/2014	19.3
12/3/2014	16.9
6/17/2015	13
12/1/2015	15.2
6/22/2016	13
12/20/2016	15.2
6/6/2017	16.1
11/7/2017	16.2
2/27/2018	15.6
9/27/2018	16.8
5/7/2019	18.8
11/21/2019	22
6/25/2020	11
11/17/2020	14.4
5/26/2021	12.9
11/17/2021	17.7

Date	Count	Mean	Significant
4/8/2022	1	14.3	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 76

Maximum Baseline Concentration = 1070

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	440
	3/14/1995	420
	6/21/1995	420
	12/14/1995	406
	3/6/1996	368
	4/25/1996	384
	10/2/1996	430
	12/10/1996	377
	3/11/1997	375
	4/15/1997	400
	8/14/1997	916
	12/4/1997	249
	3/31/1998	275
	6/23/1998	246
	8/11/1998	500
	12/8/1998	260
	3/9/1999	280
	6/8/1999	214
	8/19/1999	260
	12/14/1999	200
	3/7/2000	232
	6/23/2000	270
	12/12/2000	196
	3/27/2001	190
	6/28/2001	180
	9/10/2001	202
	12/18/2001	149
	3/19/2002	203
	6/26/2002	180
	9/18/2002	185
	12/11/2002	178
	3/13/2003	207
	6/25/2003	190
	9/26/2003	158
	12/10/2003	140
	3/9/2004	13
	6/24/2004	160
	9/15/2004	139
	12/15/2004	122
	3/16/2005	180
	6/15/2005	150
	9/21/2005	215

12/21/2005	180
3/15/2006	221
6/21/2006	210
12/20/2006	210
6/12/2007	110
12/17/2007	131
6/11/2008	144
12/3/2008	152
6/17/2009	120
12/9/2009	175
6/17/2010	150
12/22/2010	170
6/29/2011	170
12/7/2011	98.9
6/6/2012	194
12/12/2012	168
6/19/2013	194
12/11/2013	173
6/11/2014	254
12/3/2014	194
6/17/2015	168
12/1/2015	280
6/22/2016	518
12/20/2016	475
6/6/2017	113
11/7/2017	402
2/27/2018	435
9/27/2018	426
5/7/2019	421
11/21/2019	1070
6/25/2020	143
11/16/2020	187
5/26/2021	232
11/17/2021	183

Date	Count	Mean	Significant
4/8/2022	1	231	FALSE

Shapiro-Francia Test of Normality

Parameter: Chloride

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 310

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.628	-2.74777	7.55021	-1.7256
2	0.652	-2.51213	13.861	-3.36351
3	0.704	-2.36561	19.4572	-5.0289
4	0.777	-2.25713	24.5518	-6.78269
5	0.786	-2.14441	29.1503	-8.46819
6	0.887	-2.07485	33.4553	-10.3086
7	0.942	-2.01409	37.5118	-12.2059
8	1.07	-1.95996	41.3533	-14.303
9	1.13	-1.91103	45.0053	-16.4625
10	1.64	-1.85218	48.4359	-19.5001
11	2.29	-1.81191	51.7189	-23.6493
12	3	-1.77438	54.8673	-28.9725
13	4	-1.7392	57.8922	-35.9293
14	4	-1.6954	60.7665	-42.7109
15	4	-1.66456	63.5373	-49.3691
16	4	-1.63524	66.2113	-55.91
17	4	-1.60725	68.7945	-62.339
18	4.86	-1.58047	71.2924	-70.0201
19	5	-1.54643	73.6839	-77.7523
20	5	-1.52203	76.0005	-85.3624
21	5	-1.49852	78.246	-92.855
22	5	-1.47579	80.424	-100.234
23	5	-1.4538	82.5375	-107.503
24	5	-1.42554	84.5697	-114.631
25	5	-1.40507	86.5439	-121.656
26	5	-1.38517	88.4626	-128.582
27	5	-1.36581	90.328	-135.411
28	5.88	-1.34075	92.1257	-143.295
29	5.9	-1.32251	93.8747	-151.097
30	6	-1.30469	95.5769	-158.926
31	6	-1.28727	97.234	-166.649
32	8.7	-1.27024	98.8475	-177.7
33	9.36	-1.24809	100.405	-189.382
34	10	-1.23187	101.923	-201.701
35	11	-1.21596	103.401	-215.077
36	11	-1.20036	104.842	-228.28
37	11	-1.18504	106.246	-241.316
38	12.9	-1.16505	107.604	-256.345
39	13	-1.15035	108.927	-271.3
40	13	-1.1359	110.217	-286.066
41	13	-1.12168	111.475	-300.648
42	14.3	-1.10306	112.692	-316.422
43	14.4	-1.08935	113.879	-332.108
44	15.2	-1.07584	115.036	-348.461
45	15.2	-1.06252	116.165	-364.611
46	15.6	-1.04939	117.266	-380.982
47	16.1	-1.03215	118.332	-397.6

48	16.2	-1.01943	119.371	-414.114
49	16.8	-1.00687	120.385	-431.03
50	16.9	-0.994457	121.374	-447.836
51	17	-0.982202	122.339	-464.533
52	17.6	-0.966088	123.272	-481.537
53	17.6	-0.954165	124.182	-498.33
54	17.7	-0.942375	125.07	-515.01
55	18.8	-0.930718	125.937	-532.507
56	19.3	-0.915365	126.774	-550.174
57	20	-0.903992	127.592	-568.254
58	20	-0.892733	128.389	-586.108
59	20	-0.881587	129.166	-603.74
60	20	-0.87055	129.924	-621.151
61	20.8	-0.855996	130.656	-638.956
62	21.5	-0.845198	131.371	-657.128
63	22	-0.834498	132.067	-675.487
64	22	-0.823893	132.746	-693.612
65	22.2	-0.809896	133.402	-711.592
66	23	-0.7995	134.041	-729.98
67	23.5	-0.789191	134.664	-748.526
68	23.8	-0.778966	135.271	-767.066
69	24	-0.768821	135.862	-785.518
70	24	-0.755415	136.432	-803.648
71	24	-0.745449	136.988	-821.538
72	24	-0.735557	137.529	-839.192
73	26	-0.725736	138.056	-858.061
74	27	-0.715986	138.569	-877.392
75	27	-0.703089	139.063	-896.376
76	27	-0.693493	139.544	-915.1
77	28	-0.68396	140.012	-934.251
78	28	-0.67449	140.467	-953.137
79	28	-0.661955	140.905	-971.672
80	28.3	-0.652622	141.331	-990.141
81	28.4	-0.643345	141.745	-1008.41
82	29	-0.634124	142.147	-1026.8
83	29	-0.624956	142.537	-1044.93
84	29	-0.612813	142.913	-1062.7
85	29.3	-0.603765	143.277	-1080.39
86	30	-0.594766	143.631	-1098.23
87	30	-0.585815	143.974	-1115.8
88	30	-0.576911	144.307	-1133.11
89	30	-0.565108	144.626	-1150.06
90	30	-0.556308	144.936	-1166.75
91	30	-0.547551	145.236	-1183.18
92	30	-0.538836	145.526	-1199.35
93	31	-0.52728	145.804	-1215.69
94	31	-0.518658	146.073	-1231.77
95	32	-0.510074	146.333	-1248.09
96	32	-0.501527	146.585	-1264.14
97	32.1	-0.493018	146.828	-1279.97
98	32.8	-0.481728	147.06	-1295.77
99	33	-0.473299	147.284	-1311.39
100	33	-0.464904	147.5	-1326.73
101	35	-0.456542	147.708	-1342.71
102	35	-0.448213	147.909	-1358.39
103	35	-0.437153	148.1	-1373.7
104	36	-0.428895	148.284	-1389.14

105	37	-0.420664	148.461	-1404.7
106	37	-0.412463	148.631	-1419.96
107	38	-0.401571	148.793	-1435.22
108	40	-0.393433	148.948	-1450.96
109	40	-0.385321	149.096	-1466.37
110	40	-0.377233	149.238	-1481.46
111	40	-0.369171	149.375	-1496.23
112	41	-0.358459	149.503	-1510.92
113	42	-0.350451	149.626	-1525.64
114	42	-0.342466	149.743	-1540.03
115	42	-0.334503	149.855	-1554.08
116	42	-0.326561	149.962	-1567.79
117	44	-0.316004	150.062	-1581.7
118	44	-0.308108	150.157	-1595.25
119	45	-0.300232	150.247	-1608.76
120	46	-0.292375	150.332	-1622.21
121	46	-0.281926	150.412	-1635.18
122	46	-0.27411	150.487	-1647.79
123	47.7	-0.266311	150.558	-1660.49
124	48	-0.258527	150.625	-1672.9
125	50	-0.250759	150.687	-1685.44
126	50	-0.240426	150.745	-1697.46
127	51	-0.232693	150.799	-1709.33
128	51.2	-0.224974	150.85	-1720.85
129	52	-0.217267	150.897	-1732.14
130	54	-0.207012	150.94	-1743.32
131	54.7	-0.199336	150.98	-1754.23
132	56	-0.191671	151.016	-1764.96
133	56	-0.184017	151.05	-1775.27
134	57	-0.176374	151.081	-1785.32
135	58	-0.166199	151.109	-1794.96
136	58	-0.158579	151.134	-1804.16
137	58	-0.150969	151.157	-1812.91
138	59	-0.143367	151.178	-1821.37
139	60	-0.135774	151.196	-1829.52
140	60	-0.125661	151.212	-1837.06
141	61	-0.118085	151.226	-1844.26
142	63	-0.110516	151.238	-1851.22
143	67.8	-0.102953	151.249	-1858.2
144	75	-0.0928787	151.257	-1865.17
145	79.7	-0.0853288	151.264	-1871.97
146	88.4	-0.0777834	151.271	-1878.85
147	98.9	-0.0702426	151.275	-1885.79
148	109	-0.0627062	151.279	-1892.63
149	110	-0.0526632	151.282	-1898.42
150	113	-0.0451348	151.284	-1903.52
151	117	-0.0376076	151.286	-1907.92
152	120	-0.0300838	151.287	-1911.53
153	122	-0.0225612	151.287	-1914.28
154	126	-0.0125328	151.287	-1915.86
155	131	-0.00501359	151.287	-1916.52
156	139	0.00501359	151.287	-1915.82
157	140	0.0125328	151.287	-1914.07
158	143	0.0225612	151.288	-1910.84
159	144	0.0300838	151.289	-1906.51
160	149	0.0376076	151.29	-1900.91
161	150	0.0451348	151.292	-1894.14

162	150	0.0526632	151.295	-1886.24
163	152	0.0627062	151.299	-1876.71
164	158	0.0702426	151.304	-1865.61
165	160	0.0777834	151.31	-1853.16
166	168	0.0853288	151.317	-1838.83
167	168	0.0928787	151.326	-1823.22
168	170	0.102953	151.336	-1805.72
169	170	0.110516	151.349	-1786.93
170	173	0.118085	151.363	-1766.5
171	175	0.125661	151.378	-1744.51
172	178	0.135774	151.397	-1720.35
173	180	0.143367	151.417	-1694.54
174	180	0.150969	151.44	-1667.37
175	180	0.158579	151.465	-1638.82
176	180	0.166199	151.493	-1608.9
177	183	0.176374	151.524	-1576.63
178	185	0.184017	151.558	-1542.59
179	187	0.191671	151.595	-1506.74
180	190	0.199336	151.634	-1468.87
181	190	0.207012	151.677	-1429.54
182	194	0.217267	151.724	-1387.39
183	194	0.224974	151.775	-1343.74
184	194	0.232693	151.829	-1298.6
185	196	0.240426	151.887	-1251.48
186	200	0.250759	151.95	-1201.32
187	202	0.258527	152.017	-1149.1
188	203	0.266311	152.088	-1095.04
189	207	0.27411	152.163	-1038.3
190	210	0.281926	152.242	-979.095
191	210	0.292375	152.328	-917.696
192	214	0.300232	152.418	-853.447
193	215	0.308108	152.513	-787.203
194	221	0.316004	152.613	-717.366
195	231	0.326561	152.719	-641.931
196	232	0.334503	152.831	-564.326
197	232	0.342466	152.948	-484.874
198	246	0.350451	153.071	-398.663
199	247	0.358459	153.2	-310.124
200	249	0.369171	153.336	-218.2
201	254	0.377233	153.478	-122.383
202	260	0.385321	153.627	-22.1994
203	260	0.393433	153.782	80.0931
204	270	0.401571	153.943	188.517
205	275	0.412463	154.113	301.945
206	280	0.420664	154.29	419.731
207	280	0.428895	154.474	539.821
208	283	0.437153	154.665	663.535
209	288	0.448213	154.866	792.621
210	313	0.456542	155.074	935.518
211	368	0.464904	155.291	1106.6
212	375	0.473299	155.515	1284.09
213	377	0.481728	155.747	1465.7
214	384	0.493018	155.99	1655.02
215	400	0.501527	156.241	1855.63
216	400	0.510074	156.501	2059.66
217	402	0.518658	156.77	2268.16
218	406	0.52728	157.048	2482.24

219	410	0.538836	157.339	2703.16
220	420	0.547551	157.639	2933.13
221	420	0.556308	157.948	3166.78
222	421	0.565108	158.267	3404.69
223	426	0.576911	158.6	3650.45
224	430	0.585815	158.943	3902.35
225	435	0.594766	159.297	4161.08
226	435	0.603765	159.662	4423.72
227	440	0.612813	160.037	4693.35
228	440	0.624956	160.428	4968.33
229	448	0.634124	160.83	5252.42
230	475	0.643345	161.244	5558.01
231	500	0.652622	161.67	5884.32
232	501	0.661955	162.108	6215.96
233	511	0.67449	162.563	6560.63
234	518	0.68396	163.031	6914.92
235	543	0.693493	163.512	7291.48
236	750	0.703089	164.006	7818.8
237	875	0.715986	164.519	8445.29
238	916	0.725736	165.045	9110.06
239	950	0.735557	165.586	9808.84
240	1070	0.745449	166.142	10606.5
241	1160	0.755415	166.713	11482.8
242	1210	0.768821	167.304	12413
243	1210	0.778966	167.91	13355.6
244	1250	0.789191	168.533	14342.1
245	1250	0.7995	169.172	15341.4
246	1250	0.809896	169.828	16353.8
247	1270	0.823893	170.507	17400.2
248	1300	0.834498	171.204	18485
249	1325	0.845198	171.918	19604.9
250	1328	0.855996	172.651	20741.7
251	1350	0.87055	173.409	21916.9
252	1360	0.881587	174.186	23115.9
253	1360	0.892733	174.983	24330
254	1375	0.903992	175.8	25573
255	1390	0.915365	176.638	26845.3
256	1399	0.930718	177.504	28147.4
257	1400	0.942375	178.392	29466.7
258	1410	0.954165	179.303	30812.1
259	1412	0.966088	180.236	32176.2
260	1435	0.982202	181.201	33585.7
261	1460	0.994457	182.19	35037.6
262	1500	1.00687	183.203	36547.9
263	1500	1.01943	184.243	38077
264	1500	1.03215	185.308	39625.2
265	1509	1.04939	186.409	41208.8
266	1510	1.06252	187.538	42813.2
267	1510	1.07584	188.695	44437.7
268	1520	1.08935	189.882	46093.5
269	1550	1.10306	191.099	47803.2
270	1553	1.12168	192.357	49545.2
271	1560	1.1359	193.647	51317.2
272	1580	1.15035	194.971	53134.8
273	1584	1.16505	196.328	54980.2
274	1600	1.18504	197.732	56876.3
275	1600	1.20036	199.173	58796.8

276	1600	1.21596	200.652	60742.4
277	1610	1.23187	202.169	62725.7
278	1613	1.24809	203.727	64738.8
279	1616	1.27024	205.34	66791.5
280	1634	1.28727	206.997	68894.9
281	1670	1.30469	208.7	71073.8
282	1670	1.32251	210.449	73282.4
283	1674	1.34075	212.246	75526.8
284	1674	1.36581	214.112	77813.1
285	1690	1.38517	216.03	80154.1
286	1699	1.40507	218.005	82541.3
287	1700	1.42554	220.037	84964.7
288	1700	1.4538	222.15	87436.2
289	1730	1.47579	224.328	89989.3
290	1739	1.49852	226.574	92595.2
291	1749	1.52203	228.891	95257.3
292	1749	1.54643	231.282	97962
293	1750	1.58047	233.78	100728
294	1760	1.60725	236.363	103557
295	1769	1.63524	239.037	106449
296	1789	1.66456	241.808	109427
297	1799	1.6954	244.682	112477
298	1800	1.7392	247.707	115608
299	1800	1.77438	250.855	118802
300	1800	1.81191	254.139	122063
301	1800	1.85218	257.569	125397
302	1800	1.91103	261.221	128837
303	1874	1.95996	265.063	132510
304	1892	2.01409	269.119	136320
305	1922	2.07485	273.424	140308
306	1999	2.14441	278.023	144595
307	2000	2.25713	283.117	149109
308	2050	2.36561	288.713	153959
309	2099	2.51213	295.024	159232
310	2149	2.74777	302.574	165137

Data Set Standard Deviation = 642.468
 Numerator = 2.72701e+010
 Denominator = 3.85917e+010
 W Statistic = 0.706633 = 2.72701e+010 / 3.85917e+010

5% Critical value of 0.976 exceeds 0.706633
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.706633
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 126.865

Overall Std Dev = 207.555

Overall Total = 39328.2

SS Groups = 3.70669e+006

SS Total = 1.33114e+007

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	3.70669e+006	4	926672	29.4268
Error (within groups)	9.60468e+006	305	31490.8	
Totals	1.33114e+007	309		

95% F-Statistic = 2.37

29.4268 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	2.38831
	3/14/1995	5.61169
	6/21/1995	4.61169
	12/14/1995	8.38831
	3/6/1996	12.3883
	4/25/1996	0.388312
	10/2/1996	7.61169
	12/10/1996	2.38831
	3/11/1997	28.3883
	4/15/1997	4.38831
	8/14/1997	0.611688
	12/4/1997	3.38831
	3/31/1998	2.38831
	6/23/1998	4.61169
	8/11/1998	8.38831
	12/8/1998	1.38831
	3/9/1999	2.38831
	6/8/1999	2.61169
	8/19/1999	7.61169
	12/14/1999	7.61169
	3/7/2000	17.6117
	6/23/2000	19.6117
	12/12/2000	21.6117
	3/27/2001	27.6117
	6/28/2001	25.6117
	9/10/2001	13.6117
	12/18/2001	13.6117
	3/19/2002	9.61169
	6/26/2002	18.6117
	9/18/2002	24.6117

12/11/2002	23.6117
3/13/2003	23.6117
6/25/2003	30.6117
9/26/2003	26.6117
12/10/2003	7.61169
3/9/2004	25.6117
6/24/2004	28.6117
9/15/2004	11.6117
12/15/2004	15.6117
3/16/2005	9.61169
6/15/2005	9.61169
9/21/2005	9.61169
12/21/2005	25.6117
3/15/2006	17.6117
6/21/2006	1.38831
12/20/2006	2.61169
6/12/2007	8.38831
12/17/2007	5.38831
6/11/2008	3.38831
12/3/2008	4.38831
6/17/2009	12.3883
12/9/2009	8.38831
6/17/2010	15.3883
12/22/2010	12.3883
6/29/2011	11.5883
12/7/2011	14.7883
6/6/2012	8.58831
12/12/2012	10.1883
6/19/2013	10.8883
12/11/2013	14.7883
6/11/2014	13.0883
12/3/2014	15.4883
6/17/2015	19.3883
12/1/2015	17.1883
6/22/2016	19.3883
12/20/2016	17.1883
6/6/2017	16.2883
11/7/2017	16.1883
2/27/2018	16.7883
9/27/2018	15.5883
5/7/2019	13.5883
11/21/2019	10.3883
6/25/2020	21.3883
11/17/2020	17.9883
5/26/2021	19.4883
11/17/2021	14.6883
4/8/2022	18.0883

Group: MW#03-1

Date	Residual
6/24/2004	8.00572
9/15/2004	3.99428
12/15/2004	12.0057
3/16/2005	14.0057
6/15/2005	12.0057
9/21/2005	13.0057
12/20/2006	13.0057
6/12/2007	14.0057

12/17/2007	15.0057
6/11/2008	7.00572
12/3/2008	7.00572
6/17/2009	14.0057
12/9/2009	13.9943
6/17/2010	13.0057
12/22/2010	9.30572
6/29/2011	13.1457
12/7/2011	12.1257
6/6/2012	8.64572
6/19/2013	13.0057
12/11/2013	13.0057
6/11/2014	25.9943
12/3/2014	13.0057
6/17/2015	13.0057
12/1/2015	17.2287
6/22/2016	17.3777
12/20/2016	17.2197
6/6/2017	17.1187
11/7/2017	16.8757
2/27/2018	16.9357
5/7/2019	12.1057
11/21/2019	391.994
6/25/2020	17.3537
11/17/2020	15.7157
5/26/2021	16.3657
11/16/2021	17.3017
4/8/2022	17.0637

Group: MW#03-2

Date	Residual
6/24/2004	91.219
9/15/2004	123.219
12/15/2004	99.219
3/16/2005	97.219
6/15/2005	97.219
9/21/2005	100.219
12/21/2005	101.219
3/15/2006	100.219
6/21/2006	104.219
12/20/2006	92.219
6/12/2007	97.219
12/17/2007	107.219
6/11/2008	86.219
12/3/2008	81.219
6/17/2009	67.219
12/9/2009	82.219
6/17/2010	94.219
12/22/2010	98.219
6/29/2011	98.819
12/7/2011	103.719
6/6/2012	97.919
12/12/2012	98.919
6/19/2013	95.119
12/11/2013	94.419
6/11/2014	122.219
12/3/2014	76.019
6/17/2015	72.519

12/1/2015	59.419
6/22/2016	47.519
10/11/2016	38.819
12/20/2016	1.21905
6/6/2017	10.219
11/7/2017	160.781
2/27/2018	119.781
9/27/2018	155.781
5/7/2019	185.781
11/21/2019	415.781
6/25/2020	320.781
11/17/2020	307.781
5/26/2021	383.781
11/17/2021	373.781
4/8/2022	312.781

Group: MW#93-2

Date	Residual
12/15/1994	1075.14
3/14/1995	24.8628
6/21/1995	1400.14
12/14/1995	273.863
3/6/1996	198.863
4/25/1996	523.863
10/2/1996	77.8628
12/10/1996	84.8628
3/11/1997	158.863
4/15/1997	224.863
8/14/1997	673.863
12/4/1997	293.863
3/31/1998	524.863
6/23/1998	623.863
8/11/1998	398.863
12/8/1998	446.863
3/9/1999	224.863
6/8/1999	263.863
8/19/1999	324.863
12/14/1999	324.863
3/7/2000	147.137
6/23/2000	525.137
12/12/2000	313.863
3/27/2001	273.863
6/28/2001	323.863
9/10/2001	574.863
12/18/2001	124.863
3/19/2002	254.863
6/26/2002	223.863
9/18/2002	198.863
12/11/2002	137.863
3/13/2003	34.8628
6/25/2003	324.863
9/26/2003	140.863
12/10/2003	33.8628
3/9/2004	324.863
6/24/2004	416.863
9/15/2004	40.1372
12/15/2004	124.863
3/16/2005	150.137

6/15/2005	75.1372
9/21/2005	63.1372
12/21/2005	74.8628
3/15/2006	100.137
6/21/2006	24.8628
12/20/2006	225.137
2/21/2007	225.137
6/12/2007	125.137
12/17/2007	76.1372
6/11/2008	265.137
12/3/2008	108.863
6/17/2009	725.137
12/9/2009	600.137
6/17/2010	24.8628
12/22/2010	124.863
6/29/2011	194.863
12/7/2011	34.8628
6/6/2012	134.863
12/12/2012	274.863
6/19/2013	85.1372
12/11/2013	65.1372
6/11/2014	115.137
12/3/2014	44.8628
6/17/2015	1427.44
12/1/2015	284.863
6/22/2016	175.137
12/20/2016	214.863
6/6/2017	104.863
11/7/2017	315.137
2/27/2018	205.137
9/27/2018	225.137
5/7/2019	115.137
11/21/2019	1470.14
6/25/2020	1366.14
11/16/2020	265.137
5/26/2021	194.863
11/17/2021	324.863
4/8/2022	15.1372

Group: MW#93-3

Date	Residual
12/15/1994	180.755
3/14/1995	160.755
6/21/1995	160.755
12/14/1995	146.755
3/6/1996	108.755
4/25/1996	124.755
10/2/1996	170.755
12/10/1996	117.755
3/11/1997	115.755
4/15/1997	140.755
8/14/1997	656.755
12/4/1997	10.2455
3/31/1998	15.7545
6/23/1998	13.2455
8/11/1998	240.755
12/8/1998	0.754545
3/9/1999	20.7545

6/8/1999	45.2455
8/19/1999	0.754545
12/14/1999	59.2455
3/7/2000	27.2455
6/23/2000	10.7545
12/12/2000	63.2455
3/27/2001	69.2455
6/28/2001	79.2455
9/10/2001	57.2455
12/18/2001	110.245
3/19/2002	56.2455
6/26/2002	79.2455
9/18/2002	74.2455
12/11/2002	81.2455
3/13/2003	52.2455
6/25/2003	69.2455
9/26/2003	101.245
12/10/2003	119.245
3/9/2004	246.245
6/24/2004	99.2455
9/15/2004	120.245
12/15/2004	137.245
3/16/2005	79.2455
6/15/2005	109.245
9/21/2005	44.2455
12/21/2005	79.2455
3/15/2006	38.2455
6/21/2006	49.2455
12/20/2006	49.2455
6/12/2007	149.245
12/17/2007	128.245
6/11/2008	115.245
12/3/2008	107.245
6/17/2009	139.245
12/9/2009	84.2455
6/17/2010	109.245
12/22/2010	89.2455
6/29/2011	89.2455
12/7/2011	160.345
6/6/2012	65.2455
12/12/2012	91.2455
6/19/2013	65.2455
12/11/2013	86.2455
6/11/2014	5.24545
12/3/2014	65.2455
6/17/2015	91.2455
12/1/2015	20.7545
6/22/2016	258.755
12/20/2016	215.755
6/6/2017	146.245
11/7/2017	142.755
2/27/2018	175.755
9/27/2018	166.755
5/7/2019	161.755
11/21/2019	810.755
6/25/2020	116.245
11/16/2020	72.2455

5/26/2021	27.2455
11/17/2021	76.2455
4/8/2022	28.2455

Concentrations (ppb)

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 68

Percent Non-Detects: 97.1429%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/17/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	0.0808	0.0808
			8/22/2018	0.38	0.38
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/17/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/16/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
MW#03-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
11/17/2020	ND<0.02	ND<0.02			

			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
MW#93-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/16/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
MW#93-3	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/16/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 61

Percent Non-Detects: 87.1429%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	13 (92.8571%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	0.000252	0.000252
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	10 (71.4286%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	0.0321	0.0321
			8/22/2018	0.115	0.115
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	0.000211	0.000211
			5/26/2021	ND<0.002	ND<0.002
			11/16/2021	0.000164	0.000164
			4/8/2022	ND<0.002	ND<0.002
MW#03-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
11/17/2020	ND<0.002	ND<0.002			

			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#93-2	14	10 (71.4286%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	0.000252	0.000252
			11/16/2020	0.000281	0.000281
			5/26/2021	0.00023	0.00023
			11/17/2021	0.000222	0.000222
			4/8/2022	ND<0.002	ND<0.002
MW#93-3	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 308

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 76

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	76	0 (0%)	12/15/1994	1080	1080
			3/14/1995	1103	1103
			6/21/1995	1154	1154
			12/14/1995	1109	1109
			3/6/1996	1010	1010
			4/25/1996	1063	1063
			10/2/1996	1169	1169
			12/10/1996	1187	1187
			3/11/1997	1077	1077
			4/15/1997	1070	1070
			8/14/1997	1217	1217
			12/4/1997	1170	1170
			3/31/1998	1092	1092
			6/23/1998	1210	1210
			8/11/1998	1273	1273
			12/8/1998	1888	1888
			3/9/1999	1080	1080
			6/8/1999	1301	1301
			8/19/1999	1301	1301
			12/14/1999	1270	1270
			3/7/2000	1290	1290
			6/23/2000	1393	1393
			12/12/2000	1309	1309
			3/27/2001	1469	1469
			6/28/2001	1560	1560
			9/10/2001	1374	1374
			12/18/2001	1374	1374
			3/19/2002	1326	1326
			6/26/2002	1516	1516
			9/18/2002	1423	1423
			12/11/2002	1515	1515
			3/13/2003	1332	1332
			6/25/2003	1608	1608
			9/26/2003	1602	1602
			12/10/2003	1620	1620
			3/9/2004	1630	1630
			6/24/2004	1620	1620
			9/15/2004	1618	1618
			12/15/2004	1586	1586
			3/16/2005	1521	1521
			6/15/2005	1531	1531
			9/21/2005	1441	1441
			12/21/2005	1030	1030
			3/15/2006	1318	1318
			6/21/2006	1547	1547

12/20/2006	1370	1370
6/12/2007	1466	1466
12/17/2007	1327	1327
6/11/2008	1334	1334
12/3/2008	1352	1352
6/17/2009	1301	1301
12/9/2009	1218	1218
6/17/2010	1179	1179
12/22/2010	1270	1270
6/29/2011	1275	1275
12/7/2011	1236	1236
6/6/2012	1185	1185
12/12/2012	1227	1227
6/19/2013	1366	1366
12/11/2013	1329	1329
6/11/2014	1200	1200
12/3/2014	1230	1230
6/17/2015	1210	1210
12/1/2015	1230	1230
6/22/2016	1185	1185
12/20/2016	1186	1186
6/6/2017	1289	1289
11/7/2017	1458	1458
2/27/2018	1235	1235
9/19/2018	1520	1520
11/21/2019	1510	1510
6/25/2020	1440	1440
11/17/2020	1460	1460
5/26/2021	1460	1460
11/17/2021	1680	1680
4/8/2022	1560	1560

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	79	0 (0%)	12/15/1994	7950	7950
			3/14/1995	8217	8217
			6/21/1995	9210	9210
			12/14/1995	9000	9000
			3/6/1996	8820	8820
			4/25/1996	9310	9310
			10/2/1996	9420	9420
			12/10/1996	9590	9590
			3/11/1997	9250	9250
			4/15/1997	9690	9690
			8/14/1997	10660	10660
			12/4/1997	10240	10240
			3/31/1998	9237	9237
			6/23/1998	10400	10400
			8/11/1998	11460	11460
			12/8/1998	10280	10280
			3/9/1999	9240	9240
			6/8/1999	10850	10850
			8/19/1999	10873	10873
			12/14/1999	9690	9690
			3/7/2000	9340	9340

6/23/2000	1034	1034
12/12/2000	9080	9080
3/27/2001	10260	10260
6/28/2001	11600	11600
9/10/2001	10700	10700
12/18/2001	10660	10660
3/19/2002	10197	10197
6/26/2002	10590	10590
9/18/2002	9690	9690
12/11/2002	10283	10283
3/13/2003	8920	8920
6/25/2003	10590	10590
9/26/2003	10693	10693
12/10/2003	10550	10550
3/9/2004	10620	10620
6/24/2004	10494	10494
9/15/2004	10340	10340
12/15/2004	9940	9940
3/16/2005	9690	9690
6/15/2005	10010	10010
9/21/2005	9660	9660
12/21/2005	10000	10000
3/15/2006	8650	8650
6/21/2006	9830	9830
12/20/2006	8310	8310
2/21/2007	7660	7660
6/12/2007	9590	9590
12/17/2007	9100	9100
6/11/2008	9600	9600
12/3/2008	10520	10520
12/15/2008	9070	9070
6/17/2009	10690	10690
12/9/2009	10050	10050
6/17/2010	10020	10020
12/22/2010	11230	11230
6/29/2011	11110	11110
12/7/2011	10770	10770
6/6/2012	10490	10490
12/12/2012	11460	11460
6/19/2013	10500	10500
12/11/2013	10650	10650
6/11/2014	9940	9940
12/3/2014	10900	10900
6/17/2015	1270	1270
12/1/2015	10560	10560
6/22/2016	6710	6710
12/20/2016	11400	11400
6/6/2017	12590	12590
11/7/2017	10.52	10.52
2/27/2018	10.9	10.9
9/19/2018	15700	15700
5/7/2019	15700	15700
11/21/2019	15400	15400
6/25/2020	12200	12200
11/16/2020	12700	12700
5/26/2021	13300	13300
11/17/2021	15000	15000

			4/8/2022	13700	13700
MW#93-3	77	0 (0%)	12/15/1994	1762	1762
			3/14/1995	1490	1490
			6/21/1995	1421	1421
			12/14/1995	1534	1534
			3/6/1996	1327	1327
			4/25/1996	1570	1570
			10/2/1996	1657	1657
			12/10/1996	1427	1427
			3/11/1997	1370	1370
			4/15/1997	1244	1244
			8/14/1997	1351	1351
			12/4/1997	1140	1140
			3/31/1998	1172	1172
			6/23/1998	1214	1214
			8/11/1998	1296	1296
			12/8/1998	1177	1177
			3/9/1999	1137	1137
			6/8/1999	1180	1180
			8/19/1999	1253	1253
			12/14/1999	1088	1088
			3/7/2000	1250	1250
			6/23/2000	1070	1070
			12/12/2000	1051	1051
			3/27/2001	1149	1149
			6/28/2001	1155	1155
			9/10/2001	1250	1250
			12/18/2001	1064	1064
			3/19/2002	1240	1240
			6/26/2002	787	787
			9/18/2002	1109	1109
			12/11/2002	1125	1125
			3/13/2003	1034	1034
			6/25/2003	1111	1111
			9/26/2003	1109	1109
			12/10/2003	1173	1173
			3/9/2004	881	881
			6/24/2004	1129	1129
			9/15/2004	1068	1068
			12/15/2004	972	972
			3/16/2005	1134	1134
			6/15/2005	1080	1080
			9/21/2005	1155	1155
			12/21/2005	1140	1140
			3/15/2006	1035	1035
			6/21/2006	1226	1226
			12/20/2006	1087	1087
			6/12/2007	1031	1031
			12/17/2007	910	910
			6/11/2008	1023	1023
			12/3/2008	1073	1073
			6/17/2009	1073	1073
			12/9/2009	1038	1038
			6/17/2010	1108	1108
			12/22/2010	1090	1090
			6/29/2011	1178	1178

12/7/2011	930	930
6/6/2012	1203	1203
12/12/2012	1010	1010
6/19/2013	1438	1438
12/11/2013	1252	1252
6/11/2014	1500	1500
12/3/2014	1200	1200
6/17/2015	1480	1480
12/1/2015	1807	1807
10/11/2016	2005	2005
12/20/2016	2200	2200
6/6/2017	1743	1743
11/7/2017	2121	2121
9/6/2018	2380	2380
9/19/2018	2110	2110
5/7/2019	2830	2830
11/21/2019	2200	2200
6/25/2020	2080	2080
11/16/2020	2060	2060
5/26/2021	2130	2130
11/17/2021	2240	2240
4/8/2022	2160	2160

MW#03-1 35 0 (0%)

6/24/2004	497	497
9/15/2004	687	687
12/15/2004	514	514
3/16/2005	422	422
6/15/2005	465	465
9/21/2005	517	517
12/20/2006	447	447
6/12/2007	630	630
12/17/2007	540	540
6/11/2008	467	467
12/3/2008	649	649
6/17/2009	519	519
12/9/2009	469	469
6/17/2010	500	500
12/22/2010	504	504
6/29/2011	463	463
12/7/2011	501	501
6/6/2012	457	457
6/19/2013	373	373
12/11/2013	476	476
6/11/2014	826	826
12/3/2014	409	409
6/17/2015	267	267
12/1/2015	385	385
6/22/2016	320	320
6/6/2017	198	198
11/7/2017	444	444
2/27/2018	186.1	186.1
9/19/2018	573	573
11/21/2019	140	140
6/25/2020	255	255
11/17/2020	524	524
5/26/2021	128	128
11/16/2021	279	279

			4/8/2022	2440	2440
MW#03-2	41	0 (0%)	6/24/2004	692	692
			9/15/2004	522	522
			12/15/2004	655	655
			3/16/2005	661	661
			6/15/2005	674	674
			9/21/2005	625	625
			12/21/2005	572	572
			3/15/2006	594	594
			6/21/2006	636	636
			12/20/2006	580	580
			6/12/2007	680	680
			12/17/2007	617	617
			6/11/2008	674	674
			12/3/2008	752	752
			6/17/2009	720	720
			12/9/2009	690	690
			6/17/2010	685	685
			12/22/2010	728	728
			6/29/2011	748	748
			12/7/2011	755	755
			6/6/2012	716	716
			12/12/2012	807	807
			6/19/2013	807	807
			12/11/2013	805	805
			6/11/2014	219	219
			12/3/2014	1540	1540
			6/17/2015	965	965
			12/1/2015	967	967
			6/22/2016	1074	1074
			12/20/2016	1454	1454
			6/6/2017	1498	1498
			11/7/2017	2042	2042
			9/6/2018	2620	2620
			9/19/2018	2880	2880
			5/7/2019	2730	2730
			11/21/2019	3600	3600
			6/25/2020	2590	2590
			11/17/2020	2390	2390
			5/26/2021	2620	2620
			11/17/2021	2700	2700
			4/8/2022	115	115

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 76

Maximum Background Value = 1888

Confidence Level = 95%

False Positive Rate = 5%

Location	Date	Count	Mean	Significant
MW#93-2	4/8/2022	1	13700	TRUE
MW#93-3	4/8/2022	1	2160	TRUE
MW#03-1	4/8/2022	1	2440	TRUE
MW#03-2	4/8/2022	1	115	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 75

Maximum Baseline Concentration = 3600

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	6/24/2004	692
	9/15/2004	522
	12/15/2004	655
	3/16/2005	661
	6/15/2005	674
	9/21/2005	625
	12/21/2005	572
	3/15/2006	594
	6/21/2006	636
	12/20/2006	580
	6/12/2007	680
	12/17/2007	617
	6/11/2008	674
	12/3/2008	752
	6/17/2009	720
	12/9/2009	690
	6/17/2010	685
	12/22/2010	728
	6/29/2011	748
	12/7/2011	755
	6/6/2012	716
	12/12/2012	807
	6/19/2013	807
	12/11/2013	805
	6/11/2014	219
	12/3/2014	1540
	6/17/2015	965
	12/1/2015	967
	6/22/2016	1074
	12/20/2016	1454
	6/6/2017	1498
	11/7/2017	2042
	9/6/2018	2620
	9/19/2018	2880
	5/7/2019	2730
	11/21/2019	3600
	6/25/2020	2590
	11/17/2020	2390
	5/26/2021	2620
	11/17/2021	2700
	4/8/2022	115

Date	Count	Mean	Significant
4/8/2022	1	115	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 75

Maximum Baseline Concentration = 15700

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	7950
	3/14/1995	8217
	6/21/1995	9210
	12/14/1995	9000
	3/6/1996	8820
	4/25/1996	9310
	10/2/1996	9420
	12/10/1996	9590
	3/11/1997	9250
	4/15/1997	9690
	8/14/1997	10660
	12/4/1997	10240
	3/31/1998	9237
	6/23/1998	10400
	8/11/1998	11460
	12/8/1998	10280
	3/9/1999	9240
	6/8/1999	10850
	8/19/1999	10873
	12/14/1999	9690
	3/7/2000	9340
	6/23/2000	1034
	12/12/2000	9080
	3/27/2001	10260
	6/28/2001	11600
	9/10/2001	10700
	12/18/2001	10660
	3/19/2002	10197
	6/26/2002	10590
	9/18/2002	9690
	12/11/2002	10283
	3/13/2003	8920
	6/25/2003	10590
	9/26/2003	10693
	12/10/2003	10550
	3/9/2004	10620
	6/24/2004	10494
	9/15/2004	10340
	12/15/2004	9940
	3/16/2005	9690
	6/15/2005	10010
	9/21/2005	9660

12/21/2005	10000
3/15/2006	8650
6/21/2006	9830
12/20/2006	8310
2/21/2007	7660
6/12/2007	9590
12/17/2007	9100
6/11/2008	9600
12/3/2008	10520
12/15/2008	9070
6/17/2009	10690
12/9/2009	10050
6/17/2010	10020
12/22/2010	11230
6/29/2011	11110
12/7/2011	10770
6/6/2012	10490
12/12/2012	11460
6/19/2013	10500
12/11/2013	10650
6/11/2014	9940
12/3/2014	10900
6/17/2015	1270
12/1/2015	10560
6/22/2016	6710
12/20/2016	11400
6/6/2017	12590
11/7/2017	10.52
2/27/2018	10.9
9/19/2018	15700
5/7/2019	15700
11/21/2019	15400
6/25/2020	12200

Date	Count	Mean	Significant
4/8/2022	1	13700	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 75

Maximum Baseline Concentration = 2830

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	1762
	3/14/1995	1490
	6/21/1995	1421
	12/14/1995	1534
	3/6/1996	1327
	4/25/1996	1570
	10/2/1996	1657
	12/10/1996	1427
	3/11/1997	1370
	4/15/1997	1244
	8/14/1997	1351
	12/4/1997	1140
	3/31/1998	1172
	6/23/1998	1214
	8/11/1998	1296
	12/8/1998	1177
	3/9/1999	1137
	6/8/1999	1180
	8/19/1999	1253
	12/14/1999	1088
	3/7/2000	1250
	6/23/2000	1070
	12/12/2000	1051
	3/27/2001	1149
	6/28/2001	1155
	9/10/2001	1250
	12/18/2001	1064
	3/19/2002	1240
	6/26/2002	787
	9/18/2002	1109
	12/11/2002	1125
	3/13/2003	1034
	6/25/2003	1111
	9/26/2003	1109
	12/10/2003	1173
	3/9/2004	881
	6/24/2004	1129
	9/15/2004	1068
	12/15/2004	972
	3/16/2005	1134
	6/15/2005	1080
	9/21/2005	1155

12/21/2005	1140
3/15/2006	1035
6/21/2006	1226
12/20/2006	1087
6/12/2007	1031
12/17/2007	910
6/11/2008	1023
12/3/2008	1073
6/17/2009	1073
12/9/2009	1038
6/17/2010	1108
12/22/2010	1090
6/29/2011	1178
12/7/2011	930
6/6/2012	1203
12/12/2012	1010
6/19/2013	1438
12/11/2013	1252
6/11/2014	1500
12/3/2014	1200
6/17/2015	1480
12/1/2015	1807
10/11/2016	2005
12/20/2016	2200
6/6/2017	1743
11/7/2017	2121
9/6/2018	2380
9/19/2018	2110
5/7/2019	2830
11/21/2019	2200
6/25/2020	2080
11/16/2020	2060
5/26/2021	2130

Date	Count	Mean	Significant
4/8/2022	1	2160	FALSE

Shapiro-Francia Test of Normality

Parameter: Specific Conductance

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 308

i	x(i)	m(i)	sum(m²)	sum(mx)
1	10.52	-2.74777	7.55021	-28.9065
2	10.9	-2.51213	13.861	-56.2887
3	115	-2.36561	19.4572	-328.334
4	128	-2.25713	24.5518	-617.247
5	140	-2.14441	29.1503	-917.464
6	186.1	-2.07485	33.4553	-1303.59
7	198	-2.01409	37.5118	-1702.38
8	219	-1.95996	41.3533	-2131.62
9	255	-1.8957	44.947	-2615.02
10	267	-1.85218	48.3775	-3109.55
11	279	-1.81191	51.6605	-3615.07
12	320	-1.77438	54.809	-4182.87
13	373	-1.72793	57.7947	-4827.39
14	385	-1.6954	60.6691	-5480.12
15	409	-1.66456	63.4398	-6160.93
16	422	-1.63524	66.1138	-6851
17	444	-1.59819	68.6681	-7560.59
18	447	-1.57179	71.1386	-8263.18
19	457	-1.54643	73.53	-8969.9
20	463	-1.52203	75.8466	-9674.6
21	465	-1.49852	78.0922	-10371.4
22	467	-1.46838	80.2483	-11057.1
23	469	-1.44663	82.3411	-11735.6
24	476	-1.42554	84.3732	-12414.2
25	497	-1.40507	86.3475	-13112.5
26	500	-1.37866	88.2482	-13801.8
27	501	-1.35946	90.0963	-14482.9
28	504	-1.34075	91.8939	-15158.7
29	514	-1.32251	93.643	-15838.4
30	517	-1.29884	95.3299	-16509.9
31	519	-1.28155	96.9723	-17175.1
32	522	-1.26464	98.5716	-17835.2
33	524	-1.24809	100.129	-18489.2
34	540	-1.22653	101.634	-19151.5
35	572	-1.21073	103.1	-19844.1
36	573	-1.19522	104.528	-20528.9
37	580	-1.18	105.921	-21213.3
38	594	-1.16505	107.278	-21905.4
39	617	-1.1455	108.59	-22612.1
40	625	-1.13113	109.87	-23319.1
41	630	-1.11699	111.117	-24022.8
42	636	-1.10306	112.334	-24724.3
43	649	-1.08482	113.511	-25428.4
44	655	-1.07138	114.659	-26130.1
45	661	-1.05812	115.778	-26829.6
46	674	-1.04505	116.87	-27533.9
47	674	-1.02789	117.927	-28226.7

48	680	-1.01522	118.958	-28917.1
49	685	-1.00271	119.963	-29603.9
50	687	-0.990356	120.944	-30284.3
51	690	-0.974114	121.893	-30956.4
52	692	-0.9621	122.818	-31622.2
53	716	-0.950222	123.721	-32302.6
54	720	-0.938476	124.602	-32978.3
55	728	-0.926859	125.461	-33653
56	748	-0.911562	126.292	-34334.9
57	752	-0.900227	127.102	-35011.8
58	755	-0.889006	127.893	-35683
59	787	-0.877897	128.663	-36374
60	805	-0.863249	129.409	-37068.9
61	807	-0.852385	130.135	-37756.7
62	807	-0.841621	130.844	-38435.9
63	826	-0.830953	131.534	-39122.3
64	881	-0.816874	132.201	-39842
65	910	-0.806422	132.852	-40575.8
66	930	-0.796056	133.485	-41316.1
67	965	-0.785774	134.103	-42074.4
68	967	-0.772193	134.699	-42821.1
69	972	-0.7621	135.28	-43561.9
70	1010	-0.752084	135.845	-44321.5
71	1010	-0.742143	136.396	-45071.1
72	1023	-0.729003	136.928	-45816.8
73	1030	-0.719228	137.445	-46557.6
74	1031	-0.709522	137.948	-47289.1
75	1034	-0.699883	138.438	-48012.8
76	1034	-0.690309	138.915	-48726.6
77	1035	-0.677639	139.374	-49428
78	1038	-0.668209	139.82	-50121.6
79	1051	-0.658838	140.255	-50814
80	1063	-0.649522	140.676	-51504.4
81	1064	-0.637192	141.082	-52182.4
82	1068	-0.628006	141.477	-52853.1
83	1070	-0.618872	141.86	-53515.3
84	1070	-0.609791	142.232	-54167.8
85	1073	-0.597761	142.589	-54809.2
86	1073	-0.588793	142.936	-55441
87	1074	-0.579873	143.272	-56063.8
88	1077	-0.570999	143.598	-56678.7
89	1080	-0.559237	143.911	-57282.7
90	1080	-0.550465	144.214	-57877.2
91	1080	-0.541736	144.507	-58462.3
92	1087	-0.533048	144.791	-59041.7
93	1088	-0.524401	145.066	-59612.2
94	1090	-0.51293	145.329	-60171.3
95	1092	-0.504372	145.584	-60722.1
96	1103	-0.49585	145.83	-61269
97	1108	-0.487364	146.067	-61809
98	1109	-0.476105	146.294	-62337
99	1109	-0.467699	146.513	-62855.7
100	1109	-0.459327	146.724	-63365.1
101	1111	-0.450985	146.927	-63866.1
102	1125	-0.439913	147.121	-64361
103	1129	-0.431644	147.307	-64848.4
104	1134	-0.423405	147.486	-65328.5

105	1137	-0.415193	147.659	-65800.6
106	1140	-0.40429	147.822	-66261.5
107	1140	-0.396142	147.979	-66713.1
108	1149	-0.388022	148.129	-67158.9
109	1154	-0.379927	148.274	-67597.4
110	1155	-0.371856	148.412	-68026.9
111	1155	-0.361133	148.542	-68444
112	1169	-0.353118	148.667	-68856.8
113	1170	-0.345126	148.786	-69260.6
114	1172	-0.337155	148.9	-69655.7
115	1173	-0.326561	149.007	-70038.8
116	1177	-0.318639	149.108	-70413.8
117	1178	-0.310738	149.205	-70779.8
118	1179	-0.302855	149.296	-71136.9
119	1180	-0.292375	149.382	-71481.9
120	1185	-0.284535	149.463	-71819.1
121	1185	-0.276714	149.539	-72147
122	1186	-0.268908	149.612	-72465.9
123	1187	-0.258527	149.679	-72772.8
124	1200	-0.250759	149.741	-73073.7
125	1200	-0.243007	149.801	-73365.3
126	1203	-0.235269	149.856	-73648.3
127	1210	-0.224974	149.906	-73920.6
128	1210	-0.217267	149.954	-74183.4
129	1214	-0.209575	149.998	-74437.9
130	1217	-0.201894	150.038	-74683.6
131	1218	-0.194225	150.076	-74920.1
132	1226	-0.184017	150.11	-75145.7
133	1227	-0.176374	150.141	-75362.2
134	1230	-0.168741	150.17	-75569.7
135	1230	-0.161119	150.195	-75767.9
136	1235	-0.150969	150.218	-75954.3
137	1236	-0.143367	150.239	-76131.5
138	1240	-0.135774	150.257	-76299.9
139	1244	-0.128189	150.274	-76459.4
140	1250	-0.118085	150.288	-76607
141	1250	-0.110516	150.3	-76745.1
142	1252	-0.102953	150.31	-76874
143	1253	-0.0953969	150.32	-76993.5
144	1270	-0.0853288	150.327	-77101.9
145	1270	-0.0777834	150.333	-77200.7
146	1270	-0.0702426	150.338	-77289.9
147	1273	-0.0627062	150.342	-77369.7
148	1275	-0.0551734	150.345	-77440.1
149	1289	-0.0451348	150.347	-77498.3
150	1290	-0.0376076	150.348	-77546.8
151	1296	-0.0300838	150.349	-77585.8
152	1301	-0.0225612	150.35	-77615.1
153	1301	-0.0125328	150.35	-77631.4
154	1301	-0.00501359	150.35	-77637.9
155	1309	0.00501359	150.35	-77631.4
156	1318	0.0125328	150.35	-77614.9
157	1326	0.0225612	150.351	-77584.9
158	1327	0.0300838	150.351	-77545
159	1327	0.0376076	150.353	-77495.1
160	1329	0.0451348	150.355	-77435.1
161	1332	0.0551734	150.358	-77361.6

162	1334	0.0627062	150.362	-77278
163	1351	0.0702426	150.367	-77183.1
164	1352	0.0777834	150.373	-77077.9
165	1366	0.0853288	150.38	-76961.4
166	1370	0.0953969	150.389	-76830.7
167	1370	0.102953	150.4	-76689.6
168	1374	0.110516	150.412	-76537.8
169	1374	0.118085	150.426	-76375.5
170	1393	0.128189	150.442	-76197
171	1421	0.135774	150.461	-76004
172	1423	0.143367	150.481	-75800
173	1427	0.150969	150.504	-75584.6
174	1438	0.161119	150.53	-75352.9
175	1440	0.168741	150.559	-75109.9
176	1441	0.176374	150.59	-74855.7
177	1454	0.184017	150.624	-74588.2
178	1458	0.194225	150.661	-74305
179	1460	0.201894	150.702	-74010.2
180	1460	0.209575	150.746	-73704.3
181	1466	0.217267	150.793	-73385.8
182	1469	0.224974	150.844	-73055.3
183	1480	0.235269	150.899	-72707.1
184	1490	0.243007	150.958	-72345
185	1498	0.250759	151.021	-71969.3
186	1500	0.258527	151.088	-71581.6
187	1510	0.268908	151.16	-71175.5
188	1515	0.276714	151.237	-70756.3
189	1516	0.284535	151.318	-70324.9
190	1520	0.292375	151.403	-69880.5
191	1521	0.302855	151.495	-69419.9
192	1531	0.310738	151.592	-68944.1
193	1534	0.318639	151.693	-68455.3
194	1540	0.326561	151.8	-67952.4
195	1547	0.337155	151.913	-67430.9
196	1560	0.345126	152.033	-66892.5
197	1560	0.353118	152.157	-66341.6
198	1570	0.361133	152.288	-65774.6
199	1586	0.371856	152.426	-65184.9
200	1602	0.379927	152.57	-64576.2
201	1608	0.388022	152.721	-63952.3
202	1618	0.396142	152.878	-63311.3
203	1620	0.40429	153.041	-62656.4
204	1620	0.415193	153.214	-61983.8
205	1630	0.423405	153.393	-61293.6
206	1657	0.431644	153.579	-60578.4
207	1680	0.439913	153.773	-59839.3
208	1743	0.450985	153.976	-59053.2
209	1762	0.459327	154.187	-58243.9
210	1807	0.467699	154.406	-57398.8
211	1888	0.476105	154.632	-56499.9
212	2005	0.487364	154.87	-55522.7
213	2042	0.49585	155.116	-54510.2
214	2060	0.504372	155.37	-53471.2
215	2080	0.51293	155.633	-52404.3
216	2110	0.524401	155.908	-51297.8
217	2121	0.533048	156.192	-50167.2
218	2130	0.541736	156.486	-49013.3

219	2160	0.550465	156.789	-47824.3
220	2200	0.559237	157.102	-46594
221	2200	0.570999	157.428	-45337.8
222	2240	0.579873	157.764	-44038.9
223	2380	0.588793	158.111	-42637.6
224	2390	0.597761	158.468	-41208.9
225	2440	0.609791	158.84	-39721
226	2590	0.618872	159.223	-38118.1
227	2620	0.628006	159.617	-36472.8
228	2620	0.637192	160.023	-34803.3
229	2700	0.649522	160.445	-33049.6
230	2730	0.658838	160.879	-31251
231	2830	0.668209	161.326	-29360
232	2880	0.677639	161.785	-27408.4
233	3600	0.690309	162.261	-24923.2
234	6710	0.699883	162.751	-20227
235	7660	0.709522	163.255	-14792.1
236	7950	0.719228	163.772	-9074.22
237	8217	0.729003	164.303	-3084
238	8310	0.742143	164.854	3083.21
239	8650	0.752084	165.42	9588.73
240	8820	0.7621	166.001	16310.5
241	8920	0.772193	166.597	23198.4
242	9000	0.785774	167.214	30270.4
243	9070	0.796056	167.848	37490.6
244	9080	0.806422	168.498	44812.9
245	9100	0.816874	169.166	52246.5
246	9210	0.830953	169.856	59899.5
247	9237	0.841621	170.564	67673.6
248	9240	0.852385	171.291	75549.6
249	9250	0.863249	172.036	83534.7
250	9310	0.877897	172.807	91707.9
251	9340	0.889006	173.597	100011
252	9420	0.900227	174.408	108491
253	9590	0.911562	175.239	117233
254	9590	0.926859	176.098	126122
255	9600	0.938476	176.978	135131
256	9660	0.950222	177.881	144310
257	9690	0.9621	178.807	153633
258	9690	0.974114	179.756	163072
259	9690	0.990356	180.737	172669
260	9690	1.00271	181.742	182385
261	9830	1.01522	182.773	192365
262	9940	1.02789	183.829	202582
263	9940	1.04505	184.921	212970
264	10000	1.05812	186.041	223551
265	10010	1.07138	187.189	234275
266	10020	1.08482	188.366	245145
267	10050	1.10306	189.583	256231
268	10197	1.11699	190.83	267621
269	10240	1.13113	192.11	279204
270	10260	1.1455	193.422	290957
271	10280	1.16505	194.779	302933
272	10283	1.18	196.172	315067
273	10340	1.19522	197.6	327426
274	10400	1.21073	199.066	340018
275	10490	1.22653	200.57	352884

276	10494	1.24809	202.128	365981
277	10500	1.26464	203.727	379260
278	10520	1.28155	205.37	392742
279	10550	1.29884	207.057	406445
280	10560	1.32251	208.806	420410
281	10590	1.34075	210.603	434609
282	10590	1.35946	212.452	449006
283	10620	1.37866	214.352	463647
284	10650	1.40507	216.326	478611
285	10660	1.42554	218.359	493807
286	10660	1.44663	220.451	509228
287	10690	1.46838	222.608	524925
288	10693	1.49852	224.853	540949
289	10700	1.52203	227.17	557235
290	10770	1.54643	229.561	573890
291	10850	1.57179	232.032	590944
292	10873	1.59819	234.586	608321
293	10900	1.63524	237.26	626145
294	11110	1.66456	240.031	644638
295	11230	1.6954	242.905	663678
296	11400	1.72793	245.891	683376
297	11460	1.77438	249.039	703710
298	11460	1.81191	252.322	724475
299	11600	1.85218	255.753	745960
300	12200	1.8957	259.346	769088
301	12590	1.95996	263.188	793764
302	12700	2.01409	267.244	819343
303	13300	2.07485	271.549	846938
304	13700	2.14441	276.148	876316
305	15000	2.25713	281.243	910173
306	15400	2.36561	286.839	946604
307	15700	2.51213	293.149	986044
308	15700	2.74777	300.7	1.02918e+006

Data Set Standard Deviation = 4091.59
 Numerator = 1.05922e+012
 Denominator = 1.54545e+012
 W Statistic = 0.68538 = 1.05922e+012 / 1.54545e+012

5% Critical value of 0.976 exceeds 0.68538
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.68538
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 634.691

Overall Std Dev = 1282.34

Overall Total = 195485

SS Groups = 1.02099e+008

SS Total = 5.04831e+008

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.02099e+008	4	2.55248e+007	19.2039
Error (within groups)	4.02731e+008	303	1.32915e+006	
Totals	5.04831e+008	307		

95% F-Statistic = 2.37

19.2039 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	257.697
	3/14/1995	234.697
	6/21/1995	183.697
	12/14/1995	228.697
	3/6/1996	327.697
	4/25/1996	274.697
	10/2/1996	168.697
	12/10/1996	150.697
	3/11/1997	260.697
	4/15/1997	267.697
	8/14/1997	120.697
	12/4/1997	167.697
	3/31/1998	245.697
	6/23/1998	127.697
	8/11/1998	64.6974
	12/8/1998	550.303
	3/9/1999	257.697
	6/8/1999	36.6974
	8/19/1999	36.6974
	12/14/1999	67.6974
	3/7/2000	47.6974
	6/23/2000	55.3026
	12/12/2000	28.6974
	3/27/2001	131.303
	6/28/2001	222.303
	9/10/2001	36.3026
	12/18/2001	36.3026
	3/19/2002	11.6974
	6/26/2002	178.303
	9/18/2002	85.3026

12/11/2002	177.303
3/13/2003	5.69737
6/25/2003	270.303
9/26/2003	264.303
12/10/2003	282.303
3/9/2004	292.303
6/24/2004	282.303
9/15/2004	280.303
12/15/2004	248.303
3/16/2005	183.303
6/15/2005	193.303
9/21/2005	103.303
12/21/2005	307.697
3/15/2006	19.6974
6/21/2006	209.303
12/20/2006	32.3026
6/12/2007	128.303
12/17/2007	10.6974
6/11/2008	3.69737
12/3/2008	14.3026
6/17/2009	36.6974
12/9/2009	119.697
6/17/2010	158.697
12/22/2010	67.6974
6/29/2011	62.6974
12/7/2011	101.697
6/6/2012	152.697
12/12/2012	110.697
6/19/2013	28.3026
12/11/2013	8.69737
6/11/2014	137.697
12/3/2014	107.697
6/17/2015	127.697
12/1/2015	107.697
6/22/2016	152.697
12/20/2016	151.697
6/6/2017	48.6974
11/7/2017	120.303
2/27/2018	102.697
9/19/2018	182.303
11/21/2019	172.303
6/25/2020	102.303
11/17/2020	122.303
5/26/2021	122.303
11/17/2021	342.303
4/8/2022	222.303

Group: MW#93-2

Date	Residual
12/15/1994	1983.16
3/14/1995	1716.16
6/21/1995	723.157
12/14/1995	933.157
3/6/1996	1113.16
4/25/1996	623.157
10/2/1996	513.157
12/10/1996	343.157
3/11/1997	683.157

4/15/1997	243.157
8/14/1997	726.843
12/4/1997	306.843
3/31/1998	696.157
6/23/1998	466.843
8/11/1998	1526.84
12/8/1998	346.843
3/9/1999	693.157
6/8/1999	916.843
8/19/1999	939.843
12/14/1999	243.157
3/7/2000	593.157
6/23/2000	8899.16
12/12/2000	853.157
3/27/2001	326.843
6/28/2001	1666.84
9/10/2001	766.843
12/18/2001	726.843
3/19/2002	263.843
6/26/2002	656.843
9/18/2002	243.157
12/11/2002	349.843
3/13/2003	1013.16
6/25/2003	656.843
9/26/2003	759.843
12/10/2003	616.843
3/9/2004	686.843
6/24/2004	560.843
9/15/2004	406.843
12/15/2004	6.84278
3/16/2005	243.157
6/15/2005	76.8428
9/21/2005	273.157
12/21/2005	66.8428
3/15/2006	1283.16
6/21/2006	103.157
12/20/2006	1623.16
2/21/2007	2273.16
6/12/2007	343.157
12/17/2007	833.157
6/11/2008	333.157
12/3/2008	586.843
12/15/2008	863.157
6/17/2009	756.843
12/9/2009	116.843
6/17/2010	86.8428
12/22/2010	1296.84
6/29/2011	1176.84
12/7/2011	836.843
6/6/2012	556.843
12/12/2012	1526.84
6/19/2013	566.843
12/11/2013	716.843
6/11/2014	6.84278
12/3/2014	966.843
6/17/2015	8663.16
12/1/2015	626.843

6/22/2016	3223.16
12/20/2016	1466.84
6/6/2017	2656.84
11/7/2017	9922.64
2/27/2018	9922.26
9/19/2018	5766.84
5/7/2019	5766.84
11/21/2019	5466.84
6/25/2020	2266.84
11/16/2020	2766.84
5/26/2021	3366.84
11/17/2021	5066.84
4/8/2022	3766.84

Group: MW#93-3

Date	Residual
12/15/1994	398.403
3/14/1995	126.403
6/21/1995	57.4026
12/14/1995	170.403
3/6/1996	36.5974
4/25/1996	206.403
10/2/1996	293.403
12/10/1996	63.4026
3/11/1997	6.4026
4/15/1997	119.597
8/14/1997	12.5974
12/4/1997	223.597
3/31/1998	191.597
6/23/1998	149.597
8/11/1998	67.5974
12/8/1998	186.597
3/9/1999	226.597
6/8/1999	183.597
8/19/1999	110.597
12/14/1999	275.597
3/7/2000	113.597
6/23/2000	293.597
12/12/2000	312.597
3/27/2001	214.597
6/28/2001	208.597
9/10/2001	113.597
12/18/2001	299.597
3/19/2002	123.597
6/26/2002	576.597
9/18/2002	254.597
12/11/2002	238.597
3/13/2003	329.597
6/25/2003	252.597
9/26/2003	254.597
12/10/2003	190.597
3/9/2004	482.597
6/24/2004	234.597
9/15/2004	295.597
12/15/2004	391.597
3/16/2005	229.597
6/15/2005	283.597
9/21/2005	208.597

12/21/2005	223.597
3/15/2006	328.597
6/21/2006	137.597
12/20/2006	276.597
6/12/2007	332.597
12/17/2007	453.597
6/11/2008	340.597
12/3/2008	290.597
6/17/2009	290.597
12/9/2009	325.597
6/17/2010	255.597
12/22/2010	273.597
6/29/2011	185.597
12/7/2011	433.597
6/6/2012	160.597
12/12/2012	353.597
6/19/2013	74.4026
12/11/2013	111.597
6/11/2014	136.403
12/3/2014	163.597
6/17/2015	116.403
12/1/2015	443.403
10/11/2016	641.403
12/20/2016	836.403
6/6/2017	379.403
11/7/2017	757.403
9/6/2018	1016.4
9/19/2018	746.403
5/7/2019	1466.4
11/21/2019	836.403
6/25/2020	716.403
11/16/2020	696.403
5/26/2021	766.403
11/17/2021	876.403
4/8/2022	796.403

Group: MW#03-1

Date	Residual
6/24/2004	2.17429
9/15/2004	187.826
12/15/2004	14.8257
3/16/2005	77.1743
6/15/2005	34.1743
9/21/2005	17.8257
12/20/2006	52.1743
6/12/2007	130.826
12/17/2007	40.8257
6/11/2008	32.1743
12/3/2008	149.826
6/17/2009	19.8257
12/9/2009	30.1743
6/17/2010	0.825714
12/22/2010	4.82571
6/29/2011	36.1743
12/7/2011	1.82571
6/6/2012	42.1743
6/19/2013	126.174
12/11/2013	23.1743

6/11/2014	326.826
12/3/2014	90.1743
6/17/2015	232.174
12/1/2015	114.174
6/22/2016	179.174
6/6/2017	301.174
11/7/2017	55.1743
2/27/2018	313.074
9/19/2018	73.8257
11/21/2019	359.174
6/25/2020	244.174
11/17/2020	24.8257
5/26/2021	371.174
11/16/2021	220.174
4/8/2022	1940.83

Group: MW#03-2

Date	Residual
6/24/2004	488.463
9/15/2004	658.463
12/15/2004	525.463
3/16/2005	519.463
6/15/2005	506.463
9/21/2005	555.463
12/21/2005	608.463
3/15/2006	586.463
6/21/2006	544.463
12/20/2006	600.463
6/12/2007	500.463
12/17/2007	563.463
6/11/2008	506.463
12/3/2008	428.463
6/17/2009	460.463
12/9/2009	490.463
6/17/2010	495.463
12/22/2010	452.463
6/29/2011	432.463
12/7/2011	425.463
6/6/2012	464.463
12/12/2012	373.463
6/19/2013	373.463
12/11/2013	375.463
6/11/2014	961.463
12/3/2014	359.537
6/17/2015	215.463
12/1/2015	213.463
6/22/2016	106.463
12/20/2016	273.537
6/6/2017	317.537
11/7/2017	861.537
9/6/2018	1439.54
9/19/2018	1699.54
5/7/2019	1549.54
11/21/2019	2419.54
6/25/2020	1409.54
11/17/2020	1209.54
5/26/2021	1439.54
11/17/2021	1519.54

Concentrations (ppb)

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 127

Total Non-Detect: 44

Percent Non-Detects: 34.6457%

Total Background Measurements: 26

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	26	10 (38.4615%)	10/11/2016	0.1	0.1
			12/20/2016	0.2	0.2
			2/16/2017	0.16	0.16
			3/8/2017	0.19	0.19
			5/9/2017	0.13	0.13
			6/6/2017	0.14	0.14
			8/22/2017	0.1	0.1
			9/22/2017	0.11	0.11
			11/7/2017	0.12	0.12
			2/27/2018	0.16	0.16
			5/24/2018	ND<0.2	ND<0.2
			6/19/2018	ND<0.2	ND<0.2
			7/19/2018	ND<0.2	ND<0.2
			8/22/2018	ND<0.2	ND<0.2
			9/19/2018	0.243	0.243
			9/27/2018	ND<0.1	ND<0.1
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	ND<0.2	ND<0.2
			12/20/2018	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.168	0.168
			11/17/2020	0.183	0.183
			5/26/2021	0.245	0.245
			11/17/2021	0.168	0.168
			4/8/2022	0.194	0.194

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	26	14 (53.8462%)	10/11/2016	ND<0.1	ND<0.1
			12/20/2016	0.18	0.18
			2/16/2017	0.13	0.13
			3/8/2017	0.19	0.19
			5/9/2017	0.1	0.1
			6/6/2017	ND<0.1	ND<0.1
			8/22/2017	0.1	0.1
			9/22/2017	0.1	0.1
			11/7/2017	0.12	0.12
			2/27/2018	0.1	0.1
			5/24/2018	ND<0.2	ND<0.2
			6/19/2018	ND<0.2	ND<0.2
			7/19/2018	ND<0.2	ND<0.2
			8/22/2018	ND<0.1	ND<0.1

			9/19/2018	0.21	0.21
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	ND<0.2	ND<0.2
			12/20/2018	ND<0.2	ND<0.2
			3/26/2019	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.0846	0.0846
			11/17/2020	0.109	0.109
			5/26/2021	ND<0.15	ND<0.15
			11/16/2021	0.134	0.134
			4/8/2022	ND<0.15	ND<0.15
<hr/>					
MW#03-2	25	13 (52%)	10/11/2016	ND<0.1	ND<0.1
			12/20/2016	0.14	0.14
			2/16/2017	0.12	0.12
			3/8/2017	0.14	0.14
			5/9/2017	ND<0.1	ND<0.1
			6/6/2017	0.1	0.1
			8/22/2017	ND<0.1	ND<0.1
			9/22/2017	ND<0.1	ND<0.1
			11/7/2017	0.1	0.1
			2/27/2018	0.12	0.12
			5/24/2018	ND<0.2	ND<0.2
			6/19/2018	ND<0.2	ND<0.2
			7/19/2018	ND<0.2	ND<0.2
			8/22/2018	ND<0.2	ND<0.2
			9/19/2018	0.21	0.21
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	ND<0.2	ND<0.2
			12/20/2018	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.119	0.119
			11/17/2020	0.116	0.116
			5/26/2021	0.09	0.09
			11/17/2021	0.117	0.117
			4/8/2022	0.0746	0.0746
<hr/>					
MW#93-2	25	1 (4%)	10/11/2016	0.81	0.81
			12/20/2016	1.06	1.06
			2/16/2017	0.68	0.68
			3/8/2017	0.79	0.79
			5/9/2017	0.7	0.7
			6/6/2017	0.68	0.68
			8/22/2017	0.35	0.35
			9/22/2017	0.51	0.51
			11/7/2017	0.12	0.12
			2/27/2018	ND<0.1	ND<0.1
			5/24/2018	0.937	0.937
			6/19/2018	0.991	0.991
			7/19/2018	0.906	0.906
			8/22/2018	0.865	0.865
			9/19/2018	1	1
			10/18/2018	0.698	0.698
			11/20/2018	1.02	1.02
			12/20/2018	0.685	0.685

			5/7/2019	0.367	0.367
			11/21/2019	0.554	0.554
			6/25/2020	0.313	0.313
			11/16/2020	0.705	0.705
			5/26/2021	0.287	0.287
			11/17/2021	0.793	0.793
			4/8/2022	0.375	0.375
MW#93-3	25	6 (24%)	10/11/2016	0.15	0.15
			12/20/2016	0.23	0.23
			2/16/2017	0.2	0.2
			3/8/2017	0.22	0.22
			5/9/2017	0.18	0.18
			6/6/2017	0.24	0.24
			8/22/2017	0.23	0.23
			9/22/2017	0.2	0.2
			11/7/2017	0.2	0.2
			2/27/2018	0.21	0.21
			5/24/2018	0.23	0.23
			6/19/2018	0.223	0.223
			7/19/2018	ND<0.21	ND<0.21
			8/22/2018	ND<0.2	ND<0.2
			9/19/2018	0.389	0.389
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	0.283	0.283
			12/20/2018	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.252	0.252
			11/16/2020	0.27	0.27
			5/26/2021	0.233	0.233
			11/17/2021	0.329	0.329
			4/8/2022	0.19	0.19

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 34.6457%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 26

Maximum Background Value = 0.245

Confidence Level = 86.7%

False Positive Rate = 13.3%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.15	FALSE
MW#03-2	4/8/2022	1	0.0746	FALSE
MW#93-2	4/8/2022	1	0.375	TRUE
MW#93-3	4/8/2022	1	0.19	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 4%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 25

Maximum Baseline Concentration = 1.06

Confidence Level = 96.2%

False Positive Rate = 3.8%

Baseline Measurements	Date	Value
	10/11/2016	0.81
	12/20/2016	1.06
	2/16/2017	0.68
	3/8/2017	0.79
	5/9/2017	0.7
	6/6/2017	0.68
	8/22/2017	0.35
	9/22/2017	0.51
	11/7/2017	0.12
	2/27/2018	ND<0.1
	5/24/2018	0.937
	6/19/2018	0.991
	7/19/2018	0.906
	8/22/2018	0.865
	9/19/2018	1
	10/18/2018	0.698
	11/20/2018	1.02
	12/20/2018	0.685
	5/7/2019	0.367
	11/21/2019	0.554
	6/25/2020	0.313
	11/16/2020	0.705
	5/26/2021	0.287
	11/17/2021	0.793
	4/8/2022	0.375

Date	Count	Mean	Significant
4/8/2022	1	0.375	FALSE

Shapiro-Francia Test of Normality

Parameter: Fluoride

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 127

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.0746	-2.45727	6.03819	-0.183313
2	0.0846	-2.17009	10.7475	-0.366902
3	0.09	-1.99539	14.7291	-0.546488
4	0.1	-1.86629	18.2121	-0.733117
5	0.1	-1.76241	21.3182	-0.909358
6	0.1	-1.68494	24.1572	-1.07785
7	0.1	-1.60725	26.7405	-1.23858
8	0.1	-1.5382	29.1066	-1.3924
9	0.1	-1.47579	31.2845	-1.53998
10	0.1	-1.41865	33.2971	-1.68184
11	0.1	-1.3722	35.18	-1.81906
12	0.1	-1.32251	36.9291	-1.95131
13	0.1	-1.27588	38.5569	-2.0789
14	0.1	-1.23187	40.0744	-2.20209
15	0.1	-1.19012	41.4908	-2.3211
16	0.1	-1.15035	42.8141	-2.43613
17	0.1	-1.11699	44.0618	-2.54783
18	0.1	-1.08032	45.2288	-2.65586
19	0.1	-1.04505	46.321	-2.76037
20	0.1	-1.01104	47.3432	-2.86147
21	0.109	-0.97815	48.2999	-2.96809
22	0.11	-0.950222	49.2029	-3.07262
23	0.116	-0.919183	50.0478	-3.17924
24	0.117	-0.889006	50.8381	-3.28325
25	0.119	-0.859618	51.577	-3.38555
26	0.12	-0.830953	52.2675	-3.48526
27	0.12	-0.806422	52.9178	-3.58203
28	0.12	-0.778966	53.5246	-3.67551
29	0.12	-0.752084	54.0903	-3.76576
30	0.12	-0.725736	54.6169	-3.85285
31	0.13	-0.699883	55.1068	-3.94383
32	0.13	-0.67449	55.5617	-4.03152
33	0.134	-0.652622	55.9876	-4.11897
34	0.14	-0.628006	56.382	-4.20689
35	0.14	-0.603765	56.7466	-4.29142
36	0.14	-0.579873	57.0828	-4.3726
37	0.15	-0.556308	57.3923	-4.45604
38	0.15	-0.53594	57.6795	-4.53644
39	0.15	-0.51293	57.9426	-4.61338
40	0.16	-0.490189	58.1829	-4.69181
41	0.16	-0.467699	58.4017	-4.76664
42	0.168	-0.445443	58.6001	-4.84147
43	0.168	-0.426148	58.7817	-4.91306
44	0.18	-0.40429	58.9451	-4.98584
45	0.18	-0.382622	59.0915	-5.05471
46	0.183	-0.361133	59.2219	-5.1208
47	0.19	-0.33981	59.3374	-5.18536

48	0.19	-0.318639	59.4389	-5.2459
49	0.19	-0.300232	59.5291	-5.30295
50	0.194	-0.279319	59.6071	-5.35713
51	0.2	-0.258527	59.6739	-5.40884
52	0.2	-0.237847	59.7305	-5.45641
53	0.2	-0.217267	59.7777	-5.49986
54	0.2	-0.199336	59.8174	-5.53973
55	0.2	-0.17892	59.8495	-5.57551
56	0.2	-0.158579	59.8746	-5.60723
57	0.2	-0.138305	59.8937	-5.63489
58	0.2	-0.118085	59.9077	-5.65851
59	0.2	-0.100433	59.9178	-5.67859
60	0.2	-0.0802981	59.9242	-5.69465
61	0.2	-0.0601949	59.9278	-5.70669
62	0.2	-0.0401167	59.9294	-5.71472
63	0.2	-0.0200544	59.9298	-5.71873
64	0.2	0	59.9298	-5.71873
65	0.2	0.0200544	59.9303	-5.71472
66	0.2	0.0401167	59.9319	-5.70669
67	0.2	0.0601949	59.9355	-5.69465
68	0.2	0.0802981	59.9419	-5.67859
69	0.2	0.100433	59.952	-5.65851
70	0.2	0.118085	59.966	-5.63489
71	0.2	0.138305	59.9851	-5.60723
72	0.2	0.158579	60.0102	-5.57551
73	0.2	0.17892	60.0423	-5.53973
74	0.2	0.199336	60.082	-5.49986
75	0.2	0.217267	60.1292	-5.45641
76	0.2	0.237847	60.1858	-5.40884
77	0.2	0.258527	60.2526	-5.35713
78	0.2	0.279319	60.3306	-5.30127
79	0.2	0.300232	60.4208	-5.24122
80	0.2	0.318639	60.5223	-5.1775
81	0.2	0.33981	60.6378	-5.10953
82	0.2	0.361133	60.7682	-5.03731
83	0.2	0.382622	60.9146	-4.96078
84	0.2	0.40429	61.078	-4.87992
85	0.2	0.426148	61.2596	-4.79469
86	0.2	0.445443	61.458	-4.70561
87	0.21	0.467699	61.6768	-4.60739
88	0.21	0.490189	61.9171	-4.50445
89	0.21	0.51293	62.1802	-4.39673
90	0.21	0.53594	62.4674	-4.28419
91	0.22	0.556308	62.7769	-4.1618
92	0.223	0.579873	63.1131	-4.03249
93	0.23	0.603765	63.4777	-3.89362
94	0.23	0.628006	63.8721	-3.74918
95	0.23	0.652622	64.298	-3.59908
96	0.233	0.67449	64.7529	-3.44192
97	0.24	0.699883	65.2427	-3.27395
98	0.243	0.725736	65.7694	-3.09759
99	0.245	0.752084	66.3351	-2.91333
100	0.252	0.778966	66.9419	-2.71703
101	0.27	0.806422	67.5922	-2.4993
102	0.283	0.830953	68.2827	-2.26414
103	0.287	0.859618	69.0216	-2.01743
104	0.313	0.889006	69.8119	-1.73917

105	0.329	0.919183	70.6568	-1.43676
106	0.35	0.950222	71.5598	-1.10418
107	0.367	0.97815	72.5165	-0.745202
108	0.375	1.01104	73.5387	-0.366064
109	0.389	1.04505	74.6309	0.0404609
110	0.51	1.08032	75.7979	0.591424
111	0.554	1.11699	77.0456	1.21024
112	0.68	1.15035	78.3689	1.99247
113	0.68	1.19012	79.7853	2.80175
114	0.685	1.23187	81.3028	3.64558
115	0.698	1.27588	82.9306	4.53614
116	0.7	1.32251	84.6797	5.4619
117	0.705	1.3722	86.5626	6.4293
118	0.79	1.41865	88.5752	7.55004
119	0.793	1.47579	90.7531	8.72034
120	0.81	1.5382	93.1192	9.96628
121	0.865	1.60725	95.7025	11.3566
122	0.906	1.68494	98.5415	12.8831
123	0.937	1.76241	101.648	14.5345
124	0.991	1.86629	105.131	16.384
125	1	1.99539	109.112	18.3794
126	1.02	2.17009	113.822	20.5929
127	1.06	2.45727	119.86	23.1976

Data Set Standard Deviation = 0.232456

Numerator = 538.128

Denominator = 816.066

W Statistic = 0.659417 = 538.128 / 816.066

5% Critical value of 0.976 exceeds 0.659417

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.659417

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.0766336

Overall Std Dev = 0.104774

Overall Total = 9.73247

SS Groups = 0.746288

SS Total = 1.38317

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.746288	4	0.186572	35.7393
Error (within groups)	0.636884	122	0.00522036	
Totals	1.38317	126		

95% F-Statistic = 2.37

35.7393 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	10/11/2016	0.0735
	12/20/2016	0.0265
	2/16/2017	0.0135
	3/8/2017	0.0165
	5/9/2017	0.0435
	6/6/2017	0.0335
	8/22/2017	0.0735
	9/22/2017	0.0635
	11/7/2017	0.0535
	2/27/2018	0.0135
	5/24/2018	0.0265
	6/19/2018	0.0265
	7/19/2018	0.0265
	8/22/2018	0.0265
	9/19/2018	0.0695
	9/27/2018	0.0735
	10/18/2018	0.0265
	11/20/2018	0.0265
	12/20/2018	0.0265
	5/7/2019	0.0265
	11/21/2019	0.0265
	6/25/2020	0.0055
	11/17/2020	0.0095
	5/26/2021	0.0715
	11/17/2021	0.0055
	4/8/2022	0.0205

Group: MW#03-1	Date	Residual
	10/11/2016	0.0522154
	12/20/2016	0.0277846

2/16/2017	0.0222154
3/8/2017	0.0377846
5/9/2017	0.0522154
6/6/2017	0.0522154
8/22/2017	0.0522154
9/22/2017	0.0522154
11/7/2017	0.0322154
2/27/2018	0.0522154
5/24/2018	0.0477846
6/19/2018	0.0477846
7/19/2018	0.0477846
8/22/2018	0.0522154
9/19/2018	0.0577846
10/18/2018	0.0477846
11/20/2018	0.0477846
12/20/2018	0.0477846
3/26/2019	0.0477846
5/7/2019	0.0477846
11/21/2019	0.0477846
6/25/2020	0.0676154
11/17/2020	0.0432154
5/26/2021	0.00221538
11/16/2021	0.0182154
4/8/2022	0.00221538

Group: MW#03-2

Date	Residual
10/11/2016	0.045864
12/20/2016	0.005864
2/16/2017	0.025864
3/8/2017	0.005864
5/9/2017	0.045864
6/6/2017	0.045864
8/22/2017	0.045864
9/22/2017	0.045864
11/7/2017	0.045864
2/27/2018	0.025864
5/24/2018	0.054136
6/19/2018	0.054136
7/19/2018	0.054136
8/22/2018	0.054136
9/19/2018	0.064136
10/18/2018	0.054136
11/20/2018	0.054136
12/20/2018	0.054136
5/7/2019	0.054136
11/21/2019	0.054136
6/25/2020	0.026864
11/17/2020	0.029864
5/26/2021	0.055864
11/17/2021	0.028864
4/8/2022	0.071264

Group: MW#93-2

Date	Residual
10/11/2016	0.15816
12/20/2016	0.40816
2/16/2017	0.02816
3/8/2017	0.13816

5/9/2017	0.04816
6/6/2017	0.02816
8/22/2017	0.30184
9/22/2017	0.14184
11/7/2017	0.53184
2/27/2018	0.55184
5/24/2018	0.28516
6/19/2018	0.33916
7/19/2018	0.25416
8/22/2018	0.21316
9/19/2018	0.34816
10/18/2018	0.04616
11/20/2018	0.36816
12/20/2018	0.03316
5/7/2019	0.28484
11/21/2019	0.09784
6/25/2020	0.33884
11/16/2020	0.05316
5/26/2021	0.36484
11/17/2021	0.14116
4/8/2022	0.27684

Group: MW#93-3

Date	Residual
10/11/2016	0.07676
12/20/2016	0.00324
2/16/2017	0.02676
3/8/2017	0.00676
5/9/2017	0.04676
6/6/2017	0.01324
8/22/2017	0.00324
9/22/2017	0.02676
11/7/2017	0.02676
2/27/2018	0.01676
5/24/2018	0.00324
6/19/2018	0.00376
7/19/2018	0.01676
8/22/2018	0.02676
9/19/2018	0.16224
10/18/2018	0.02676
11/20/2018	0.05624
12/20/2018	0.02676
5/7/2019	0.02676
11/21/2019	0.02676
6/25/2020	0.02524
11/16/2020	0.04324
5/26/2021	0.00624
11/17/2021	0.10224
4/8/2022	0.03676

Concentrations (ppb)

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 67

Percent Non-Detects: 95.7143%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	11 (78.5714%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	0.124	0.124
			8/22/2018	0.143	0.143
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	0.00791	0.00791
			3/26/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/16/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#03-2	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
11/17/2020	ND<0.002	ND<0.002			

			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#93-2	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#93-3	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 43

Percent Non-Detects: 61.4286%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	13 (92.8571%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	ND<0.015	ND<0.015
			9/19/2018	ND<0.015	ND<0.015
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	ND<0.015	ND<0.015
			12/20/2018	ND<0.015	ND<0.015
			11/21/2019	ND<0.015	ND<0.015
			6/25/2020	ND<0.015	ND<0.015
			11/17/2020	ND<0.015	ND<0.015
			5/26/2021	ND<0.015	ND<0.015
			11/17/2021	ND<0.015	ND<0.015
			4/8/2022	0.0236	0.0236

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	13 (92.8571%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	0.0461	0.0461
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	ND<0.015	ND<0.015
			12/20/2018	ND<0.015	ND<0.015
			3/26/2019	ND<0.015	ND<0.015
			11/21/2019	ND<0.015	ND<0.015
			6/25/2020	ND<0.015	ND<0.015
			11/17/2020	ND<0.015	ND<0.015
			5/26/2021	ND<0.015	ND<0.015
			11/16/2021	ND<0.015	ND<0.015
			4/8/2022	ND<0.015	ND<0.015
MW#03-2	14	8 (57.1429%)	5/24/2018	0.0173	0.0173
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	ND<0.015	ND<0.015
			9/19/2018	ND<0.015	ND<0.015
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	ND<0.015	ND<0.015
			12/20/2018	ND<0.015	ND<0.015
			11/21/2019	0.0154	0.0154
			6/25/2020	0.00813	0.00813
11/17/2020	ND<0.015	ND<0.015			

			5/26/2021	0.0112	0.0112
			11/17/2021	0.0144	0.0144
			4/8/2022	0.0346	0.0346
MW#93-2	14	8 (57.1429%)	5/24/2018	0.0302	0.0302
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	ND<0.015	ND<0.015
			9/19/2018	ND<0.015	ND<0.015
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	0.0185	0.0185
			12/20/2018	ND<0.015	ND<0.015
			11/21/2019	ND<0.015	ND<0.015
			6/25/2020	0.00976	0.00976
			11/16/2020	ND<0.015	ND<0.015
			5/26/2021	0.0136	0.0136
			11/17/2021	0.0115	0.0115
			4/8/2022	0.0304	0.0304
MW#93-3	14	1 (7.14286%)	5/24/2018	0.178	0.178
			6/19/2018	0.162	0.162
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	0.159	0.159
			9/19/2018	0.16	0.16
			10/18/2018	0.164	0.164
			11/20/2018	0.187	0.187
			12/20/2018	0.168	0.168
			11/21/2019	0.182	0.182
			6/25/2020	0.124	0.124
			11/16/2020	0.128	0.128
			5/26/2021	0.127	0.127
			11/17/2021	0.124	0.124
			4/8/2022	0.135	0.135

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 61.4286%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 0.0236

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.015	FALSE
MW#03-2	4/8/2022	1	0.0346	TRUE
MW#93-2	4/8/2022	1	0.0304	TRUE
MW#93-3	4/8/2022	1	0.135	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 61.5385%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.0173

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	0.0173
	6/19/2018	ND<0.015
	7/19/2018	ND<0.015
	8/22/2018	ND<0.015
	9/19/2018	ND<0.015
	10/18/2018	ND<0.015
	11/20/2018	ND<0.015
	12/20/2018	ND<0.015
	11/21/2019	0.0154
	6/25/2020	0.00813
	11/17/2020	ND<0.015
	5/26/2021	0.0112
	11/17/2021	0.0144

Date	Count	Mean	Significant
4/8/2022	1	0.0346	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-1

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 100%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.015

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	ND<0.01
	6/19/2018	ND<0.015
	7/19/2018	ND<0.015
	8/22/2018	ND<0.015
	9/19/2018	ND<0.015
	10/18/2018	ND<0.015
	11/20/2018	ND<0.015
	12/20/2018	ND<0.015
	11/21/2019	ND<0.015
	6/25/2020	ND<0.015
	11/17/2020	ND<0.015
	5/26/2021	ND<0.015
	11/17/2021	ND<0.015

Date	Count	Mean	Significant
4/8/2022	1	0.0236	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-1

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 100%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.015

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	ND<0.01
	6/19/2018	ND<0.015
	7/19/2018	ND<0.015
	8/22/2018	ND<0.015
	9/19/2018	ND<0.015
	10/18/2018	ND<0.015
	11/20/2018	ND<0.015
	12/20/2018	ND<0.015
	11/21/2019	ND<0.015
	6/25/2020	ND<0.015
	11/17/2020	ND<0.015
	5/26/2021	ND<0.015
	11/17/2021	ND<0.015

Date	Count	Mean	Significant
4/8/2022	1	0.0236	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 61.5385%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.0302

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	0.0302
	6/19/2018	ND<0.015
	7/19/2018	ND<0.015
	8/22/2018	ND<0.015
	9/19/2018	ND<0.015
	10/18/2018	ND<0.015
	11/20/2018	0.0185
	12/20/2018	ND<0.015
	11/21/2019	ND<0.015
	6/25/2020	0.00976
	11/16/2020	ND<0.015
	5/26/2021	0.0136
	11/17/2021	0.0115

Date	Count	Mean	Significant
4/8/2022	1	0.0304	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.69231%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.187

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	0.178
	6/19/2018	0.162
	7/19/2018	ND<0.015
	8/22/2018	0.159
	9/19/2018	0.16
	10/18/2018	0.164
	11/20/2018	0.187
	12/20/2018	0.168
	11/21/2019	0.182
	6/25/2020	0.124
	11/16/2020	0.128
	5/26/2021	0.127
	11/17/2021	0.124

Date	Count	Mean	Significant
4/8/2022	1	0.135	FALSE

Shapiro-Francia Test of Normality

Parameter: Lithium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 70

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.00813	-2.19728	4.82806	-0.0178639
2	0.00976	-1.91103	8.4801	-0.0365156
3	0.01	-1.72793	11.4658	-0.0537949
4	0.01	-1.58927	13.9916	-0.0696876
5	0.0112	-1.47579	16.1696	-0.0862164
6	0.0115	-1.37866	18.0703	-0.102071
7	0.0136	-1.29303	19.7422	-0.119656
8	0.0144	-1.21596	21.2208	-0.137166
9	0.015	-1.1455	22.5329	-0.154349
10	0.015	-1.08032	23.7	-0.170553
11	0.015	-1.01943	24.7393	-0.185845
12	0.015	-0.958125	25.6573	-0.200217
13	0.015	-0.903992	26.4745	-0.213777
14	0.015	-0.852385	27.201	-0.226562
15	0.015	-0.802956	27.8458	-0.238607
16	0.015	-0.755415	28.4164	-0.249938
17	0.015	-0.709522	28.9199	-0.260581
18	0.015	-0.665079	29.3622	-0.270557
19	0.015	-0.621911	29.749	-0.279886
20	0.015	-0.579873	30.0852	-0.288584
21	0.015	-0.538836	30.3756	-0.296666
22	0.015	-0.498687	30.6242	-0.304147
23	0.015	-0.459327	30.8352	-0.311037
24	0.015	-0.417928	31.0099	-0.317305
25	0.015	-0.379927	31.1542	-0.323004
26	0.015	-0.342466	31.2715	-0.328141
27	0.015	-0.305481	31.3648	-0.332724
28	0.015	-0.268908	31.4371	-0.336757
29	0.015	-0.232693	31.4913	-0.340248
30	0.015	-0.196779	31.53	-0.343199
31	0.015	-0.161119	31.556	-0.345616
32	0.015	-0.125661	31.5718	-0.347501
33	0.015	-0.0903606	31.5799	-0.348856
34	0.015	-0.0551734	31.583	-0.349684
35	0.015	-0.0200544	31.5834	-0.349985
36	0.015	0.0200544	31.5838	-0.349684
37	0.015	0.0551734	31.5868	-0.348856
38	0.015	0.0903606	31.595	-0.347501
39	0.015	0.125661	31.6108	-0.345616
40	0.015	0.161119	31.6367	-0.343199
41	0.015	0.196779	31.6755	-0.340248
42	0.015	0.232693	31.7296	-0.336757
43	0.015	0.268908	31.8019	-0.332724
44	0.015	0.305481	31.8952	-0.328141
45	0.015	0.342466	32.0125	-0.323004
46	0.015	0.379927	32.1569	-0.317305
47	0.015	0.417928	32.3315	-0.311037

48	0.015	0.459327	32.5425	-0.304147
49	0.015	0.498687	32.7912	-0.296666
50	0.0154	0.538836	33.0815	-0.288368
51	0.0173	0.579873	33.4178	-0.278336
52	0.0185	0.621911	33.8046	-0.266831
53	0.0236	0.665079	34.2469	-0.251135
54	0.0302	0.709522	34.7503	-0.229708
55	0.0304	0.755415	35.321	-0.206743
56	0.0346	0.802956	35.9657	-0.178961
57	0.0461	0.852385	36.6923	-0.139666
58	0.124	0.903992	37.5095	-0.0275707
59	0.124	0.958125	38.4275	0.0912368
60	0.127	1.01943	39.4667	0.220704
61	0.128	1.08032	40.6338	0.358985
62	0.135	1.1455	41.946	0.513628
63	0.159	1.21596	43.4245	0.706966
64	0.16	1.29303	45.0965	0.913851
65	0.162	1.37866	46.9972	1.13719
66	0.164	1.47579	49.1751	1.37922
67	0.168	1.58927	51.7009	1.64622
68	0.178	1.72793	54.6867	1.95379
69	0.182	1.91103	58.3387	2.3016
70	0.187	2.19728	63.1668	2.71249

Data Set Standard Deviation = 0.0550006

Numerator = 7.35761

Denominator = 13.1848

W Statistic = 0.558039 = 7.35761 / 13.1848

5% Critical value of 0.967 exceeds 0.558039

Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.558039

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.0084738

Overall Std Dev = 0.0175432

Overall Total = 0.593166

SS Groups = 0.00816121

SS Total = 0.0212356

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.00816121	4	0.0020403	10.1435
Error (within groups)	0.0130744	65	0.000201145	
Totals	0.0212356	69		

95% F-Statistic = 2.44724

10.1435 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.00525714
6/19/2018	0.000257143
7/19/2018	0.000257143
8/22/2018	0.000257143
9/19/2018	0.000257143
10/18/2018	0.000257143
11/20/2018	0.000257143
12/20/2018	0.000257143
11/21/2019	0.000257143
6/25/2020	0.000257143
11/17/2020	0.000257143
5/26/2021	0.000257143
11/17/2021	0.000257143
4/8/2022	0.00834286

Group: MW#03-1

Date	Residual
5/24/2018	0.00686429
6/19/2018	0.00186429
7/19/2018	0.00186429
8/22/2018	0.0292357
10/18/2018	0.00186429
11/20/2018	0.00186429
12/20/2018	0.00186429
3/26/2019	0.00186429
11/21/2019	0.00186429
6/25/2020	0.00186429
11/17/2020	0.00186429
5/26/2021	0.00186429
11/16/2021	0.00186429
4/8/2022	0.00186429

Group: MW#03-2

Date	Residual
5/24/2018	0.00151214
6/19/2018	0.000787857
7/19/2018	0.000787857
8/22/2018	0.000787857
9/19/2018	0.000787857
10/18/2018	0.000787857
11/20/2018	0.000787857
12/20/2018	0.000787857
11/21/2019	0.000387857
6/25/2020	0.00765786
11/17/2020	0.000787857
5/26/2021	0.00458786
11/17/2021	0.00138786
4/8/2022	0.0188121

Group: MW#93-2

Date	Residual
5/24/2018	0.0134886
6/19/2018	0.00171143
7/19/2018	0.00171143
8/22/2018	0.00171143
9/19/2018	0.00171143
10/18/2018	0.00171143
11/20/2018	0.00178857
12/20/2018	0.00171143
11/21/2019	0.00171143
6/25/2020	0.00695143
11/16/2020	0.00171143
5/26/2021	0.00311143
11/17/2021	0.00521143
4/8/2022	0.0136886

Group: MW#93-3

Date	Residual
5/24/2018	0.0342143
6/19/2018	0.0182143
7/19/2018	0.128786
8/22/2018	0.0152143
9/19/2018	0.0162143
10/18/2018	0.0202143
11/20/2018	0.0432143
12/20/2018	0.0242143
11/21/2019	0.0382143
6/25/2020	0.0197857
11/16/2020	0.0157857
5/26/2021	0.0167857
11/17/2021	0.0197857
4/8/2022	0.00878571

Concentrations (ppb)

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 312

Total Non-Detect: 1

Percent Non-Detects: 0.320513%

Total Background Measurements: 77

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	77	0 (0%)	12/15/1994	1.48	1.48
			3/14/1995	1.2	1.2
			6/21/1995	1.34	1.34
			12/14/1995	1.86	1.86
			3/6/1996	0.65	0.65
			4/25/1996	0.88	0.88
			10/2/1996	1.08	1.08
			12/10/1996	0.75	0.75
			3/11/1997	1.07	1.07
			4/15/1997	0.77	0.77
			8/14/1997	1.35	1.35
			12/4/1997	1.25	1.25
			3/31/1998	0.7	0.7
			6/23/1998	1.15	1.15
			8/11/1998	1.02	1.02
			12/8/1998	1.12	1.12
			3/9/1999	0.63	0.63
			6/8/1999	0.77	0.77
			8/19/1999	0.87	0.87
			12/14/1999	1.04	1.04
			3/7/2000	0.82	0.82
			6/23/2000	0.84	0.84
			12/12/2000	0.84	0.84
			3/27/2001	0.73	0.73
			6/28/2001	0.8	0.8
			9/10/2001	0.92	0.92
			12/18/2001	0.62	0.62
			3/19/2002	0.48	0.48
			6/26/2002	0.58	0.58
			9/18/2002	0.78	0.78
			12/11/2002	0.86	0.86
			3/13/2003	0.74	0.74
			6/25/2003	0.75	0.75
			9/26/2003	0.7	0.7
			12/10/2003	0.77	0.77
			3/9/2004	0.65	0.65
			6/24/2004	3.18	3.18
			9/15/2004	3.24	3.24
			12/15/2004	3.14	3.14
			3/16/2005	3.22	3.22
			6/15/2005	3.15	3.15
			9/21/2005	3.15	3.15
			12/21/2005	3.19	3.19
			3/15/2006	2.95	2.95
			6/21/2006	3.17	3.17

12/20/2006	3.09	3.09
6/12/2007	3.13	3.13
12/17/2007	3.22	3.22
6/11/2008	3.12	3.12
12/3/2008	3.22	3.22
6/17/2009	2.72	2.72
12/9/2009	3.12	3.12
6/17/2010	3.22	3.22
12/22/2010	3.13	3.13
6/29/2011	3.32	3.32
12/7/2011	3.25	3.25
6/6/2012	3.29	3.29
12/12/2012	3.17	3.17
6/19/2013	3.14	3.14
12/11/2013	2.95	2.95
6/11/2014	3.4	3.4
12/3/2014	3.22	3.22
6/17/2015	3.57	3.57
12/1/2015	3.57	3.57
6/22/2016	3.27	3.27
12/20/2016	3.66	3.66
6/6/2017	3.33	3.33
11/7/2017	3.58	3.58
2/27/2018	3.53	3.53
9/19/2018	3.39	3.39
5/7/2019	3.21	3.21
11/21/2019	3.48	3.48
6/26/2020	3.27	3.27
11/17/2020	1.54	1.54
5/26/2021	3.43	3.43
11/17/2021	2.85	2.85
4/7/2022	2.95	2.95

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	80	0 (0%)	12/15/1994	3.34	3.34
			3/14/1995	3.28	3.28
			6/21/1995	3.41	3.41
			12/14/1995	3.27	3.27
			3/6/1996	3.17	3.17
			4/25/1996	3.23	3.23
			10/2/1996	3.27	3.27
			12/10/1996	3.32	3.32
			3/11/1997	3.22	3.22
			4/15/1997	3.28	3.28
			8/14/1997	3.14	3.14
			12/4/1997	3.14	3.14
			3/31/1998	3.1	3.1
			6/23/1998	3.26	3.26
			8/11/1998	2.97	2.97
			12/8/1998	3.09	3.09
			3/9/1999	3.24	3.24
			6/8/1999	3.09	3.09
			8/19/1999	3.05	3.05
			12/14/1999	3.22	3.22

3/7/2000	3.25	3.25
6/23/2000	3.2	3.2
12/12/2000	3.16	3.16
3/27/2001	3.23	3.23
6/28/2001	3.16	3.16
9/10/2001	2.98	2.98
12/18/2001	3.09	3.09
3/19/2002	3.02	3.02
6/26/2002	3.13	3.13
9/18/2002	2.06	2.06
12/11/2002	3.28	3.28
3/13/2003	3.15	3.15
6/25/2003	3.08	3.08
9/26/2003	3.25	3.25
12/10/2003	3.03	3.03
3/9/2004	2.57	2.57
6/24/2004	3.22	3.22
9/15/2004	3.32	3.32
12/15/2004	3.16	3.16
3/16/2005	3.33	3.33
6/15/2005	3.21	3.21
9/21/2005	3.17	3.17
12/21/2005	3.32	3.32
3/15/2006	3.14	3.14
6/21/2006	3.18	3.18
12/20/2006	3.14	3.14
2/21/2007	0.82	0.82
6/12/2007	3.15	3.15
12/17/2007	3.32	3.32
6/11/2008	3.22	3.22
12/3/2008	3.22	3.22
12/15/2008	0.42	0.42
6/17/2009	2.82	2.82
12/9/2009	3.22	3.22
6/17/2010	3.32	3.32
12/22/2010	3.2	3.2
6/29/2011	3.32	3.32
12/7/2011	3.33	3.33
6/6/2012	3.6	3.6
12/12/2012	3.2	3.2
1/9/2013	0.51	0.51
6/19/2013	3.44	3.44
12/11/2013	3.3	3.3
6/11/2014	3.92	3.92
12/3/2014	3.29	3.29
6/17/2015	3.62	3.62
12/1/2015	3.63	3.63
6/22/2016	3.43	3.43
12/20/2016	3.74	3.74
6/6/2017	3.37	3.37
11/7/2017	3.8	3.8
2/27/2018	3.55	3.55
9/19/2018	3.4	3.4
5/7/2019	3.33	3.33
11/21/2019	3.56	3.56
6/26/2020	3.14	3.14
11/16/2020	3.78	3.78

			5/26/2021	1.28	1.28
			11/17/2021	1.38	1.38
			4/7/2022	1.2	1.2
MW#93-3	77	0 (0%)	12/15/1994	3.35	3.35
			3/14/1995	3.3	3.3
			6/21/1995	3.44	3.44
			12/14/1995	3.3	3.3
			3/6/1996	3.3	3.3
			4/25/1996	3.24	3.24
			10/2/1996	3.41	3.41
			12/10/1996	3.51	3.51
			3/11/1997	3.25	3.25
			4/15/1997	3.36	3.36
			8/14/1997	3.36	3.36
			12/4/1997	3.24	3.24
			3/31/1998	3.15	3.15
			6/23/1998	3.52	3.52
			8/11/1998	3.11	3.11
			12/8/1998	3.4	3.4
			3/9/1999	3.42	3.42
			6/8/1999	3.17	3.17
			8/19/1999	3.48	3.48
			12/14/1999	3.47	3.47
			3/7/2000	3.43	3.43
			6/23/2000	3.5	3.5
			12/12/2000	3.46	3.46
			3/27/2001	3.42	3.42
			6/28/2001	3.43	3.43
			9/10/2001	3.26	3.26
			12/18/2001	3.26	3.26
			3/19/2002	3.09	3.09
			6/26/2002	3.17	3.17
			9/18/2002	3.4	3.4
			12/11/2002	3.44	3.44
			3/13/2003	3.36	3.36
			6/25/2003	3.17	3.17
			9/26/2003	3.6	3.6
			12/10/2003	3.38	3.38
			3/9/2004	3.34	3.34
			6/24/2004	3.49	3.49
			9/15/2004	3.59	3.59
			12/15/2004	3.41	3.41
			3/16/2005	3.45	3.45
			6/15/2005	3.49	3.49
			9/21/2005	3.37	3.37
			12/21/2005	3.41	3.41
			3/15/2006	3.38	3.38
			6/21/2006	3.24	3.24
			12/20/2006	3.35	3.35
			6/12/2007	3.44	3.44
			12/17/2007	3.69	3.69
			6/11/2008	3.32	3.32
			12/3/2008	3.52	3.52
			6/17/2009	3.22	3.22
			12/9/2009	3.42	3.42
			6/17/2010	3.52	3.52

12/22/2010	3.47	3.47
6/29/2011	3.52	3.52
12/7/2011	3.61	3.61
6/6/2012	3.79	3.79
12/12/2012	3.41	3.41
6/19/2013	3.53	3.53
12/11/2013	3.45	3.45
6/11/2014	3.94	3.94
12/3/2014	3.33	3.33
6/17/2015	3.64	3.64
12/1/2015	3.68	3.68
6/22/2016	3.59	3.59
12/20/2016	3.75	3.75
6/6/2017	3.38	3.38
11/7/2017	3.81	3.81
2/27/2018	3.55	3.55
9/19/2018	3.47	3.47
5/7/2019	3.69	3.69
11/21/2019	3.79	3.79
6/26/2020	1.43	1.43
11/16/2020	3.1	3.1
5/26/2021	3.31	3.31
11/17/2021	3.1	3.1
4/7/2022	3.23	3.23

MW#03-1	37	0 (0%)	6/24/2004	0.78	0.78
			9/15/2004	0.7	0.7
			12/15/2004	0.76	0.76
			3/16/2005	0.79	0.79
			6/15/2005	0.92	0.92
			9/21/2005	0.77	0.77
			12/20/2006	0.84	0.84
			6/12/2007	0.92	0.92
			12/17/2007	0.72	0.72
			6/11/2008	0.62	0.62
			12/3/2008	0.32	0.32
			6/17/2009	0.22	0.22
			12/9/2009	0.22	0.22
			6/17/2010	0.42	0.42
			12/22/2010	0.52	0.52
			6/29/2011	0.62	0.62
			12/7/2011	0.52	0.52
			6/6/2012	0.34	0.34
			6/19/2013	0.62	0.62
			12/11/2013	0.56	0.56
			6/11/2014	1.47	1.47
			12/3/2014	1.07	1.07
			6/17/2015	0.89	0.89
			12/1/2015	0.65	0.65
			6/22/2016	0.74	0.74
			12/20/2016	0.3	0.3
			6/6/2017	0.73	0.73
			11/7/2017	1.16	1.16
			2/27/2018	0.98	0.98
			9/19/2018	0.93	0.93
			5/7/2019	0.97	0.97
			11/21/2019	1.58	1.58

			6/25/2020	3.37	3.37
			11/17/2020	3.38	3.38
			5/26/2021	4.44	4.44
			11/16/2021	2.4	2.4
			4/7/2022	3.82	3.82
MW#03-2	41	1 (2.43902%)	6/24/2004	2.75	2.75
			9/15/2004	2.85	2.85
			12/15/2004	2.7	2.7
			3/16/2005	2.72	2.72
			6/15/2005	2.74	2.74
			9/21/2005	2.14	2.14
			12/21/2005	0.71	0.71
			3/15/2006	0.55	0.55
			6/21/2006	0.62	0.62
			12/20/2006	3.02	3.02
			6/12/2007	2.73	2.73
			12/17/2007	3.22	3.22
			6/11/2008	2.62	2.62
			12/3/2008	2.62	2.62
			6/17/2009	2.42	2.42
			12/9/2009	2.52	2.52
			6/17/2010	2.92	2.92
			12/22/2010	2.82	2.82
			6/29/2011	2.72	2.72
			12/7/2011	2.97	2.97
			6/6/2012	2.69	2.69
			12/12/2012	ND<0	ND<0
			6/19/2013	2.87	2.87
			12/11/2013	2.83	2.83
			6/11/2014	3.02	3.02
			12/3/2014	2.88	2.88
			6/17/2015	3.36	3.36
			12/1/2015	3.42	3.42
			6/22/2016	2.82	2.82
			12/20/2016	3.27	3.27
			6/6/2017	3.29	3.29
			11/7/2017	3.56	3.56
			2/27/2018	3.21	3.21
			9/19/2018	2.83	2.83
			5/7/2019	3.02	3.02
			11/21/2019	3.46	3.46
			6/25/2020	3.25	3.25
			11/17/2020	3.57	3.57
			5/26/2021	3.48	3.48
			11/17/2021	3.1	3.1
			4/7/2022	3.28	3.28

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0.320513%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 77

Maximum Background Value = 3.66

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#93-2	4/7/2022	1	1.2	FALSE
MW#93-3	4/7/2022	1	3.23	FALSE
MW#03-1	4/7/2022	1	3.82	TRUE
MW#03-2	4/7/2022	1	3.28	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-1

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 76

Maximum Baseline Concentration = 4.44

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	6/24/2004	0.78
	9/15/2004	0.7
	12/15/2004	0.76
	3/16/2005	0.79
	6/15/2005	0.92
	9/21/2005	0.77
	12/20/2006	0.84
	6/12/2007	0.92
	12/17/2007	0.72
	6/11/2008	0.62
	12/3/2008	0.32
	6/17/2009	0.22
	12/9/2009	0.22
	6/17/2010	0.42
	12/22/2010	0.52
	6/29/2011	0.62
	12/7/2011	0.52
	6/6/2012	0.34
	6/19/2013	0.62
	12/11/2013	0.56
	6/11/2014	1.47
	12/3/2014	1.07
	6/17/2015	0.89
	12/1/2015	0.65
	6/22/2016	0.74
	12/20/2016	0.3
	6/6/2017	0.73
	11/7/2017	1.16
	2/27/2018	0.98
	9/19/2018	0.93
	5/7/2019	0.97
	11/21/2019	1.58
	6/25/2020	3.37
	11/17/2020	3.38
	5/26/2021	4.44
	11/16/2021	2.4
	4/7/2022	3.82

Date	Count	Mean	Significant
4/7/2022	1	3.82	FALSE

Shapiro-Francia Test of Normality

Parameter: ph

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 312

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0	-2.74777	7.55021	0
2	0.22	-2.51213	13.861	-0.552669
3	0.22	-2.36561	19.4572	-1.0731
4	0.3	-2.25713	24.5518	-1.75024
5	0.32	-2.17009	29.2611	-2.44467
6	0.34	-2.07485	33.5661	-3.15012
7	0.42	-2.01409	37.6227	-3.99604
8	0.42	-1.95996	41.4641	-4.81922
9	0.48	-1.91103	45.1161	-5.73652
10	0.51	-1.86629	48.5992	-6.68833
11	0.52	-1.81191	51.8822	-7.63052
12	0.52	-1.77438	55.0306	-8.5532
13	0.55	-1.7392	58.0555	-9.50976
14	0.56	-1.70604	60.966	-10.4651
15	0.58	-1.67466	63.7705	-11.4364
16	0.62	-1.63524	66.4445	-12.4503
17	0.62	-1.60725	69.0278	-13.4468
18	0.62	-1.58047	71.5256	-14.4267
19	0.62	-1.55477	73.943	-15.3906
20	0.62	-1.53007	76.2841	-16.3393
21	0.63	-1.49852	78.5296	-17.2833
22	0.65	-1.47579	80.7076	-18.2426
23	0.65	-1.4538	82.8211	-19.1876
24	0.65	-1.4325	84.8732	-20.1187
25	0.7	-1.41183	86.8665	-21.107
26	0.7	-1.38517	88.7852	-22.0766
27	0.7	-1.36581	90.6506	-23.0327
28	0.71	-1.34694	92.4648	-23.989
29	0.72	-1.32854	94.2298	-24.9455
30	0.73	-1.31058	95.9475	-25.9023
31	0.73	-1.28727	97.6045	-26.842
32	0.74	-1.27024	99.218	-27.782
33	0.74	-1.25357	100.789	-28.7096
34	0.75	-1.23724	102.32	-29.6375
35	0.75	-1.22123	103.812	-30.5534
36	0.76	-1.20036	105.252	-31.4657
37	0.77	-1.18504	106.657	-32.3782
38	0.77	-1.17	108.026	-33.2791
39	0.77	-1.15522	109.36	-34.1686
40	0.77	-1.14069	110.661	-35.047
41	0.78	-1.12639	111.93	-35.9255
42	0.78	-1.10768	113.157	-36.7895
43	0.79	-1.0939	114.354	-37.6537
44	0.8	-1.08032	115.521	-38.518
45	0.82	-1.06694	116.659	-39.3929
46	0.82	-1.05375	117.77	-40.2569
47	0.84	-1.03643	118.844	-41.1275

48	0.84	-1.02365	119.892	-41.9874
49	0.84	-1.01104	120.914	-42.8367
50	0.86	-0.998575	121.911	-43.6954
51	0.87	-0.986272	122.884	-44.5535
52	0.88	-0.970094	123.825	-45.4072
53	0.89	-0.958125	124.743	-46.2599
54	0.92	-0.946291	125.638	-47.1305
55	0.92	-0.93459	126.512	-47.9903
56	0.92	-0.923014	127.364	-48.8395
57	0.93	-0.907769	128.188	-49.6837
58	0.97	-0.896473	128.991	-50.5533
59	0.98	-0.885291	129.775	-51.4209
60	1.02	-0.874218	130.539	-52.3126
61	1.04	-0.863249	131.285	-53.2104
62	1.07	-0.848786	132.005	-54.1186
63	1.07	-0.838054	132.707	-55.0153
64	1.08	-0.827417	133.392	-55.9089
65	1.12	-0.816874	134.059	-56.8238
66	1.15	-0.806422	134.71	-57.7512
67	1.16	-0.792618	135.338	-58.6706
68	1.2	-0.782366	135.95	-59.6095
69	1.2	-0.772193	136.546	-60.5361
70	1.25	-0.7621	137.127	-61.4887
71	1.28	-0.752084	137.693	-62.4514
72	1.34	-0.738846	138.239	-63.4414
73	1.35	-0.729003	138.77	-64.4256
74	1.38	-0.719228	139.287	-65.4181
75	1.43	-0.709522	139.791	-66.4327
76	1.47	-0.699883	140.28	-67.4616
77	1.48	-0.687131	140.753	-68.4785
78	1.54	-0.677639	141.212	-69.5221
79	1.58	-0.668209	141.658	-70.5779
80	1.86	-0.658838	142.092	-71.8033
81	2.06	-0.649522	142.514	-73.1413
82	2.14	-0.640266	142.924	-74.5115
83	2.4	-0.628006	143.319	-76.0187
84	2.42	-0.618872	143.702	-77.5164
85	2.52	-0.609791	144.073	-79.053
86	2.57	-0.60076	144.434	-80.597
87	2.62	-0.591776	144.785	-82.1474
88	2.62	-0.579873	145.121	-83.6667
89	2.69	-0.570999	145.447	-85.2027
90	2.7	-0.56217	145.763	-86.7206
91	2.72	-0.553384	146.069	-88.2258
92	2.72	-0.544642	146.366	-89.7072
93	2.72	-0.533048	146.65	-91.1571
94	2.73	-0.524401	146.925	-92.5887
95	2.74	-0.515791	147.191	-94.002
96	2.75	-0.507221	147.448	-95.3968
97	2.82	-0.498687	147.697	-96.8031
98	2.82	-0.487364	147.934	-98.1775
99	2.82	-0.478914	148.164	-99.528
100	2.83	-0.470498	148.385	-100.86
101	2.83	-0.462114	148.599	-102.167
102	2.85	-0.453763	148.805	-103.461
103	2.85	-0.442676	149.001	-104.722
104	2.87	-0.434397	149.189	-105.969

105	2.88	-0.426148	149.371	-107.196
106	2.92	-0.417928	149.546	-108.417
107	2.95	-0.409735	149.713	-109.625
108	2.95	-0.398855	149.873	-110.802
109	2.95	-0.390726	150.025	-111.955
110	2.97	-0.382622	150.172	-113.091
111	2.97	-0.374544	150.312	-114.203
112	2.98	-0.36649	150.446	-115.295
113	3.02	-0.355788	150.573	-116.37
114	3.02	-0.347787	150.694	-117.42
115	3.02	-0.33981	150.809	-118.446
116	3.02	-0.331854	150.919	-119.449
117	3.03	-0.323919	151.024	-120.43
118	3.05	-0.316004	151.124	-121.394
119	3.08	-0.305481	151.217	-122.335
120	3.09	-0.297612	151.306	-123.254
121	3.09	-0.28976	151.39	-124.15
122	3.09	-0.281926	151.469	-125.021
123	3.09	-0.27411	151.545	-125.868
124	3.09	-0.263715	151.614	-126.683
125	3.1	-0.255936	151.68	-127.476
126	3.1	-0.248174	151.741	-128.246
127	3.1	-0.240426	151.799	-128.991
128	3.1	-0.232693	151.853	-129.712
129	3.11	-0.222403	151.903	-130.404
130	3.12	-0.214702	151.949	-131.074
131	3.12	-0.207012	151.992	-131.72
132	3.13	-0.199336	152.031	-132.344
133	3.13	-0.191671	152.068	-132.944
134	3.13	-0.181468	152.101	-133.512
135	3.14	-0.173829	152.131	-134.057
136	3.14	-0.166199	152.159	-134.579
137	3.14	-0.158579	152.184	-135.077
138	3.14	-0.150969	152.207	-135.551
139	3.14	-0.140835	152.227	-135.993
140	3.14	-0.133244	152.244	-136.412
141	3.14	-0.125661	152.26	-136.806
142	3.15	-0.118085	152.274	-137.178
143	3.15	-0.110516	152.286	-137.526
144	3.15	-0.100433	152.296	-137.843
145	3.15	-0.0928787	152.305	-138.135
146	3.15	-0.0853288	152.312	-138.404
147	3.16	-0.0777834	152.318	-138.65
148	3.16	-0.0702426	152.323	-138.872
149	3.16	-0.0601949	152.327	-139.062
150	3.17	-0.0526632	152.33	-139.229
151	3.17	-0.0451348	152.332	-139.372
152	3.17	-0.0376076	152.333	-139.491
153	3.17	-0.0300838	152.334	-139.587
154	3.17	-0.0200544	152.334	-139.65
155	3.17	-0.0125328	152.335	-139.69
156	3.17	-0.00501359	152.335	-139.706
157	3.18	0.00501359	152.335	-139.69
158	3.18	0.0125328	152.335	-139.65
159	3.19	0.0200544	152.335	-139.586
160	3.2	0.0300838	152.336	-139.49
161	3.2	0.0376076	152.338	-139.37

162	3.2	0.0451348	152.34	-139.225
163	3.21	0.0526632	152.342	-139.056
164	3.21	0.0601949	152.346	-138.863
165	3.21	0.0702426	152.351	-138.637
166	3.22	0.0777834	152.357	-138.387
167	3.22	0.0853288	152.364	-138.112
168	3.22	0.0928787	152.373	-137.813
169	3.22	0.100433	152.383	-137.49
170	3.22	0.110516	152.395	-137.134
171	3.22	0.118085	152.409	-136.754
172	3.22	0.125661	152.425	-136.349
173	3.22	0.133244	152.443	-135.92
174	3.22	0.140835	152.462	-135.466
175	3.22	0.150969	152.485	-134.98
176	3.22	0.158579	152.51	-134.47
177	3.22	0.166199	152.538	-133.935
178	3.22	0.173829	152.568	-133.375
179	3.23	0.181468	152.601	-132.789
180	3.23	0.191671	152.638	-132.17
181	3.23	0.199336	152.678	-131.526
182	3.24	0.207012	152.721	-130.855
183	3.24	0.214702	152.767	-130.159
184	3.24	0.222403	152.816	-129.439
185	3.24	0.232693	152.87	-128.685
186	3.24	0.240426	152.928	-127.906
187	3.25	0.248174	152.99	-127.099
188	3.25	0.255936	153.055	-126.268
189	3.25	0.263715	153.125	-125.41
190	3.25	0.27411	153.2	-124.52
191	3.25	0.281926	153.279	-123.603
192	3.26	0.28976	153.363	-122.659
193	3.26	0.297612	153.452	-121.688
194	3.26	0.305481	153.545	-120.693
195	3.27	0.316004	153.645	-119.659
196	3.27	0.323919	153.75	-118.6
197	3.27	0.331854	153.86	-117.515
198	3.27	0.33981	153.976	-116.404
199	3.27	0.347787	154.096	-115.266
200	3.28	0.355788	154.223	-114.099
201	3.28	0.36649	154.357	-112.897
202	3.28	0.374544	154.498	-111.669
203	3.28	0.382622	154.644	-110.414
204	3.29	0.390726	154.797	-109.128
205	3.29	0.398855	154.956	-107.816
206	3.29	0.409735	155.124	-106.468
207	3.3	0.417928	155.298	-105.089
208	3.3	0.426148	155.48	-103.683
209	3.3	0.434397	155.669	-102.249
210	3.3	0.442676	155.865	-100.788
211	3.31	0.453763	156.071	-99.2864
212	3.32	0.462114	156.284	-97.7522
213	3.32	0.470498	156.505	-96.1901
214	3.32	0.478914	156.735	-94.6001
215	3.32	0.487364	156.972	-92.9821
216	3.32	0.498687	157.221	-91.3264
217	3.32	0.507221	157.478	-89.6425
218	3.32	0.515791	157.744	-87.93

219	3.32	0.524401	158.019	-86.189
220	3.33	0.533048	158.303	-84.414
221	3.33	0.544642	158.6	-82.6003
222	3.33	0.553384	158.906	-80.7576
223	3.33	0.56217	159.222	-78.8855
224	3.33	0.570999	159.548	-76.9841
225	3.34	0.579873	159.885	-75.0473
226	3.34	0.591776	160.235	-73.0708
227	3.35	0.60076	160.596	-71.0582
228	3.35	0.609791	160.968	-69.0154
229	3.36	0.618872	161.351	-66.936
230	3.36	0.628006	161.745	-64.8259
231	3.36	0.640266	162.155	-62.6746
232	3.36	0.649522	162.577	-60.4922
233	3.37	0.658838	163.011	-58.272
234	3.37	0.668209	163.457	-56.0201
235	3.37	0.677639	163.917	-53.7364
236	3.38	0.687131	164.389	-51.4139
237	3.38	0.699883	164.879	-49.0483
238	3.38	0.709522	165.382	-46.6502
239	3.38	0.719228	165.899	-44.2192
240	3.39	0.729003	166.431	-41.7478
241	3.4	0.738846	166.977	-39.2358
242	3.4	0.752084	167.542	-36.6787
243	3.4	0.7621	168.123	-34.0875
244	3.4	0.772193	168.719	-31.4621
245	3.41	0.782366	169.331	-28.7942
246	3.41	0.792618	169.96	-26.0914
247	3.41	0.806422	170.61	-23.3415
248	3.41	0.816874	171.277	-20.556
249	3.41	0.827417	171.962	-17.7345
250	3.42	0.838054	172.664	-14.8683
251	3.42	0.848786	173.385	-11.9655
252	3.42	0.863249	174.13	-9.01316
253	3.42	0.874218	174.894	-6.02333
254	3.43	0.885291	175.678	-2.98679
255	3.43	0.896473	176.482	0.0881171
256	3.43	0.907769	177.306	3.20176
257	3.43	0.923014	178.158	6.3677
258	3.44	0.93459	179.031	9.58269
259	3.44	0.946291	179.926	12.8379
260	3.44	0.958125	180.844	16.1339
261	3.44	0.970094	181.786	19.471
262	3.45	0.986272	182.758	22.8736
263	3.45	0.998575	183.755	26.3187
264	3.46	1.01104	184.778	29.8169
265	3.46	1.02365	185.825	33.3587
266	3.47	1.03643	186.9	36.9552
267	3.47	1.05375	188.01	40.6117
268	3.47	1.06694	189.148	44.3139
269	3.48	1.08032	190.315	48.0735
270	3.48	1.0939	191.512	51.8802
271	3.48	1.10768	192.739	55.7349
272	3.49	1.12639	194.008	59.666
273	3.49	1.14069	195.309	63.6471
274	3.5	1.15522	196.644	67.6903
275	3.51	1.17	198.012	71.797

276	3.52	1.18504	199.417	75.9684
277	3.52	1.20036	200.858	80.1937
278	3.52	1.22123	202.349	84.4924
279	3.52	1.23724	203.88	88.8475
280	3.53	1.25357	205.451	93.2725
281	3.53	1.27024	207.065	97.7565
282	3.55	1.28727	208.722	102.326
283	3.55	1.31058	210.439	106.979
284	3.56	1.32854	212.204	111.708
285	3.56	1.34694	214.019	116.504
286	3.57	1.36581	215.884	121.379
287	3.57	1.38517	217.803	126.325
288	3.57	1.41183	219.796	131.365
289	3.58	1.4325	221.848	136.493
290	3.59	1.4538	223.962	141.712
291	3.59	1.47579	226.14	147.01
292	3.6	1.49852	228.385	152.405
293	3.6	1.53007	230.726	157.913
294	3.61	1.55477	233.144	163.526
295	3.62	1.58047	235.641	169.247
296	3.63	1.60725	238.225	175.082
297	3.64	1.63524	240.899	181.034
298	3.66	1.67466	243.703	187.163
299	3.68	1.70604	246.614	193.441
300	3.69	1.7392	249.639	199.859
301	3.69	1.77438	252.787	206.406
302	3.74	1.81191	256.07	213.183
303	3.75	1.86629	259.553	220.182
304	3.78	1.91103	263.205	227.405
305	3.79	1.95996	267.047	234.834
306	3.79	2.01409	271.103	242.467
307	3.8	2.07485	275.408	250.351
308	3.81	2.17009	280.117	258.619
309	3.82	2.25713	285.212	267.242
310	3.92	2.36561	290.808	276.515
311	3.94	2.51213	297.119	286.413
312	4.44	2.74777	304.669	298.613

Data Set Standard Deviation = 1.10357

Numerator = 89169.6

Denominator = 115396

W Statistic = 0.772726 = 89169.6 / 115396

5% Critical value of 0.976 exceeds 0.772726

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.772726

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.56595

Overall Std Dev = 0.602

Overall Total = 176.576

SS Groups = 42.6126

SS Total = 112.708

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	42.6126	4	10.6531	46.6582
Error (within groups)	70.0951	307	0.228323	
Totals	112.708	311		

95% F-Statistic = 2.37

46.6582 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	0.644545
	3/14/1995	0.924545
	6/21/1995	0.784545
	12/14/1995	0.264545
	3/6/1996	1.47455
	4/25/1996	1.24455
	10/2/1996	1.04455
	12/10/1996	1.37455
	3/11/1997	1.05455
	4/15/1997	1.35455
	8/14/1997	0.774545
	12/4/1997	0.874545
	3/31/1998	1.42455
	6/23/1998	0.974545
	8/11/1998	1.10455
	12/8/1998	1.00455
	3/9/1999	1.49455
	6/8/1999	1.35455
	8/19/1999	1.25455
	12/14/1999	1.08455
	3/7/2000	1.30455
	6/23/2000	1.28455
	12/12/2000	1.28455
	3/27/2001	1.39455
	6/28/2001	1.32455
	9/10/2001	1.20455
	12/18/2001	1.50455
	3/19/2002	1.64455
	6/26/2002	1.54455
	9/18/2002	1.34455

12/11/2002	1.26455
3/13/2003	1.38455
6/25/2003	1.37455
9/26/2003	1.42455
12/10/2003	1.35455
3/9/2004	1.47455
6/24/2004	1.05545
9/15/2004	1.11545
12/15/2004	1.01545
3/16/2005	1.09545
6/15/2005	1.02545
9/21/2005	1.02545
12/21/2005	1.06545
3/15/2006	0.825455
6/21/2006	1.04545
12/20/2006	0.965455
6/12/2007	1.00545
12/17/2007	1.09545
6/11/2008	0.995455
12/3/2008	1.09545
6/17/2009	0.595455
12/9/2009	0.995455
6/17/2010	1.09545
12/22/2010	1.00545
6/29/2011	1.19545
12/7/2011	1.12545
6/6/2012	1.16545
12/12/2012	1.04545
6/19/2013	1.01545
12/11/2013	0.825455
6/11/2014	1.27545
12/3/2014	1.09545
6/17/2015	1.44545
12/1/2015	1.44545
6/22/2016	1.14545
12/20/2016	1.53545
6/6/2017	1.20545
11/7/2017	1.45545
2/27/2018	1.40545
9/19/2018	1.26545
5/7/2019	1.08545
11/21/2019	1.35545
6/26/2020	1.14545
11/17/2020	0.584545
5/26/2021	1.30545
11/17/2021	0.725455
4/7/2022	0.825455

Group: MW#93-2

Date	Residual
12/15/1994	0.268125
3/14/1995	0.208125
6/21/1995	0.338125
12/14/1995	0.198125
3/6/1996	0.098125
4/25/1996	0.158125
10/2/1996	0.198125
12/10/1996	0.248125

3/11/1997	0.148125
4/15/1997	0.208125
8/14/1997	0.068125
12/4/1997	0.068125
3/31/1998	0.028125
6/23/1998	0.188125
8/11/1998	0.101875
12/8/1998	0.018125
3/9/1999	0.168125
6/8/1999	0.018125
8/19/1999	0.021875
12/14/1999	0.148125
3/7/2000	0.178125
6/23/2000	0.128125
12/12/2000	0.088125
3/27/2001	0.158125
6/28/2001	0.088125
9/10/2001	0.091875
12/18/2001	0.018125
3/19/2002	0.051875
6/26/2002	0.058125
9/18/2002	1.01187
12/11/2002	0.208125
3/13/2003	0.078125
6/25/2003	0.008125
9/26/2003	0.178125
12/10/2003	0.041875
3/9/2004	0.501875
6/24/2004	0.148125
9/15/2004	0.248125
12/15/2004	0.088125
3/16/2005	0.258125
6/15/2005	0.138125
9/21/2005	0.098125
12/21/2005	0.248125
3/15/2006	0.068125
6/21/2006	0.108125
12/20/2006	0.068125
2/21/2007	2.25187
6/12/2007	0.078125
12/17/2007	0.248125
6/11/2008	0.148125
12/3/2008	0.148125
12/15/2008	2.65187
6/17/2009	0.251875
12/9/2009	0.148125
6/17/2010	0.248125
12/22/2010	0.128125
6/29/2011	0.248125
12/7/2011	0.258125
6/6/2012	0.528125
12/12/2012	0.128125
1/9/2013	2.56187
6/19/2013	0.368125
12/11/2013	0.228125
6/11/2014	0.848125
12/3/2014	0.218125

6/17/2015	0.548125
12/1/2015	0.558125
6/22/2016	0.358125
12/20/2016	0.668125
6/6/2017	0.298125
11/7/2017	0.728125
2/27/2018	0.478125
9/19/2018	0.328125
5/7/2019	0.258125
11/21/2019	0.488125
6/26/2020	0.068125
11/16/2020	0.708125
5/26/2021	1.79187
11/17/2021	1.69187
4/7/2022	1.87187

Group: MW#93-3

Date	Residual
12/15/1994	0.0444156
3/14/1995	0.0944156
6/21/1995	0.0455844
12/14/1995	0.0944156
3/6/1996	0.0944156
4/25/1996	0.154416
10/2/1996	0.0155844
12/10/1996	0.115584
3/11/1997	0.144416
4/15/1997	0.0344156
8/14/1997	0.0344156
12/4/1997	0.154416
3/31/1998	0.244416
6/23/1998	0.125584
8/11/1998	0.284416
12/8/1998	0.00558442
3/9/1999	0.0255844
6/8/1999	0.224416
8/19/1999	0.0855844
12/14/1999	0.0755844
3/7/2000	0.0355844
6/23/2000	0.105584
12/12/2000	0.0655844
3/27/2001	0.0255844
6/28/2001	0.0355844
9/10/2001	0.134416
12/18/2001	0.134416
3/19/2002	0.304416
6/26/2002	0.224416
9/18/2002	0.00558442
12/11/2002	0.0455844
3/13/2003	0.0344156
6/25/2003	0.224416
9/26/2003	0.205584
12/10/2003	0.0144156
3/9/2004	0.0544156
6/24/2004	0.0955844
9/15/2004	0.195584
12/15/2004	0.0155844
3/16/2005	0.0555844

6/15/2005	0.0955844
9/21/2005	0.0244156
12/21/2005	0.0155844
3/15/2006	0.0144156
6/21/2006	0.154416
12/20/2006	0.0444156
6/12/2007	0.0455844
12/17/2007	0.295584
6/11/2008	0.0744156
12/3/2008	0.125584
6/17/2009	0.174416
12/9/2009	0.0255844
6/17/2010	0.125584
12/22/2010	0.0755844
6/29/2011	0.125584
12/7/2011	0.215584
6/6/2012	0.395584
12/12/2012	0.0155844
6/19/2013	0.135584
12/11/2013	0.0555844
6/11/2014	0.545584
12/3/2014	0.0644156
6/17/2015	0.245584
12/1/2015	0.285584
6/22/2016	0.195584
12/20/2016	0.355584
6/6/2017	0.0144156
11/7/2017	0.415584
2/27/2018	0.155584
9/19/2018	0.0755844
5/7/2019	0.295584
11/21/2019	0.395584
6/26/2020	1.96442
11/16/2020	0.294416
5/26/2021	0.0844156
11/17/2021	0.294416
4/7/2022	0.164416

Group: MW#03-1

Date	Residual
6/24/2004	0.32973
9/15/2004	0.40973
12/15/2004	0.34973
3/16/2005	0.31973
6/15/2005	0.18973
9/21/2005	0.33973
12/20/2006	0.26973
6/12/2007	0.18973
12/17/2007	0.38973
6/11/2008	0.48973
12/3/2008	0.78973
6/17/2009	0.88973
12/9/2009	0.88973
6/17/2010	0.68973
12/22/2010	0.58973
6/29/2011	0.48973
12/7/2011	0.58973
6/6/2012	0.76973

6/19/2013	0.48973
12/11/2013	0.54973
6/11/2014	0.36027
12/3/2014	0.0397297
6/17/2015	0.21973
12/1/2015	0.45973
6/22/2016	0.36973
12/20/2016	0.80973
6/6/2017	0.37973
11/7/2017	0.0502703
2/27/2018	0.12973
9/19/2018	0.17973
5/7/2019	0.13973
11/21/2019	0.47027
6/25/2020	2.26027
11/17/2020	2.27027
5/26/2021	3.33027
11/16/2021	1.29027
4/7/2022	2.71027

Group: MW#03-2

Date	Residual
6/24/2004	0.0287805
9/15/2004	0.12878
12/15/2004	0.0212195
3/16/2005	0.00121951
6/15/2005	0.0187805
9/21/2005	0.58122
12/21/2005	2.01122
3/15/2006	2.17122
6/21/2006	2.10122
12/20/2006	0.29878
6/12/2007	0.00878049
12/17/2007	0.49878
6/11/2008	0.10122
12/3/2008	0.10122
6/17/2009	0.30122
12/9/2009	0.20122
6/17/2010	0.19878
12/22/2010	0.0987805
6/29/2011	0.00121951
12/7/2011	0.24878
6/6/2012	0.0312195
12/12/2012	2.72122
6/19/2013	0.14878
12/11/2013	0.10878
6/11/2014	0.29878
12/3/2014	0.15878
6/17/2015	0.63878
12/1/2015	0.69878
6/22/2016	0.0987805
12/20/2016	0.54878
6/6/2017	0.56878
11/7/2017	0.83878
2/27/2018	0.48878
9/19/2018	0.10878
5/7/2019	0.29878
11/21/2019	0.73878

6/25/2020	0.52878
11/17/2020	0.84878
5/26/2021	0.75878
11/17/2021	0.37878
4/7/2022	0.55878

Concentrations (ppb)

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 71

Total Non-Detect: 42

Percent Non-Detects: 59.1549%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	14 (100%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	ND<5e-005	ND<5e-005
			7/19/2018	ND<5e-005	ND<5e-005
			8/22/2018	ND<5e-005	ND<5e-005
			9/19/2018	ND<5e-005	ND<5e-005
			10/18/2018	ND<5e-005	ND<5e-005
			11/20/2018	ND<5e-005	ND<5e-005
			12/20/2018	ND<5e-005	ND<5e-005
			11/21/2019	ND<5e-005	ND<5e-005
			6/25/2020	ND<0.0002	ND<0.0002
			11/17/2020	ND<0.0002	ND<0.0002
			5/26/2021	ND<0.0002	ND<0.0002
			11/17/2021	ND<0.0002	ND<0.0002
			4/8/2022	ND<0.0002	ND<0.0002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	13 (92.8571%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	ND<5e-005	ND<5e-005
			7/19/2018	ND<5e-005	ND<5e-005
			8/22/2018	0.000184	0.000184
			10/18/2018	ND<5e-005	ND<5e-005
			11/20/2018	ND<5e-005	ND<5e-005
			12/20/2018	ND<5e-005	ND<5e-005
			3/26/2019	ND<5e-005	ND<5e-005
			11/21/2019	ND<5e-005	ND<5e-005
			6/25/2020	ND<0.0002	ND<0.0002
			11/17/2020	ND<0.0002	ND<0.0002
			5/26/2021	ND<0.0002	ND<0.0002
			11/16/2021	ND<0.0002	ND<0.0002
			4/8/2022	ND<0.0002	ND<0.0002
MW#03-2	15	1 (6.66667%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	0.000224	0.000224
			7/19/2018	0.000239	0.000239
			8/22/2018	0.000255	0.000255
			9/19/2018	0.000636	0.000636
			10/18/2018	0.00101	0.00101
			11/20/2018	0.000803	0.000803
			12/20/2018	0.00107	0.00107
			11/21/2019	0.00694	0.00694
			2/14/2020	0.00171	0.00171
			6/25/2020	0.000234	0.000234

			11/17/2020	0.00086	0.00086
			5/26/2021	0.00239	0.00239
			11/17/2021	0.00215	0.00215
			4/8/2022	0.00285	0.00285
MW#93-2	14	13 (92.8571%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	ND<5e-005	ND<5e-005
			7/19/2018	ND<5e-005	ND<5e-005
			8/22/2018	ND<5e-005	ND<5e-005
			9/19/2018	ND<5e-005	ND<5e-005
			10/18/2018	0.000572	0.000572
			11/20/2018	ND<5e-005	ND<5e-005
			12/20/2018	ND<5e-005	ND<5e-005
			11/21/2019	ND<5e-005	ND<5e-005
			6/25/2020	ND<0.0002	ND<0.0002
			11/16/2020	ND<0.0002	ND<0.0002
			5/26/2021	ND<0.0002	ND<0.0002
			11/17/2021	ND<0.0002	ND<0.0002
			4/8/2022	ND<0.0002	ND<0.0002
MW#93-3	14	1 (7.14286%)	5/24/2018	0.000787	0.000787
			6/19/2018	0.000367	0.000367
			7/19/2018	0.00033	0.00033
			8/22/2018	0.000514	0.000514
			9/19/2018	0.000428	0.000428
			10/18/2018	0.000579	0.000579
			11/20/2018	0.000577	0.000577
			12/20/2018	0.000245	0.000245
			11/21/2019	0.000861	0.000861
			6/25/2020	ND<0.0002	ND<0.0002
			11/16/2020	0.00031	0.00031
			5/26/2021	0.000348	0.000348
			11/17/2021	0.000572	0.000572
			4/8/2022	0.000945	0.000945

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 59.1549%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 0.0002

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.0002	FALSE
MW#03-2	4/8/2022	1	0.00285	TRUE
MW#93-2	4/8/2022	1	0.0002	FALSE
MW#93-3	4/8/2022	1	0.000945	TRUE

Shapiro-Francia Test of Normality

Parameter: Mercury

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 71

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	5e-005	-2.22621	4.956	-0.00011131
2	5e-005	-1.92684	8.6687	-0.000207652
3	5e-005	-1.7392	11.6935	-0.000294612
4	5e-005	-1.59819	14.2477	-0.000374522
5	5e-005	-1.48328	16.4479	-0.000448686
6	5e-005	-1.38517	18.3666	-0.000517944
7	5e-005	-1.29884	20.0535	-0.000582886
8	5e-005	-1.22123	21.5449	-0.000643948
9	5e-005	-1.15035	22.8682	-0.000701465
10	5e-005	-1.08935	24.0549	-0.000755933
11	5e-005	-1.02789	25.1115	-0.000807327
12	5e-005	-0.970094	26.0526	-0.000855832
13	5e-005	-0.915365	26.8905	-0.0009016
14	5e-005	-0.863249	27.6357	-0.000944763
15	5e-005	-0.813379	28.2972	-0.000985432
16	5e-005	-0.765456	28.8832	-0.0010237
17	5e-005	-0.719228	29.4004	-0.00105967
18	5e-005	-0.67449	29.8554	-0.00109339
19	5e-005	-0.634124	30.2575	-0.0011251
20	5e-005	-0.591776	30.6077	-0.00115469
21	5e-005	-0.550465	30.9107	-0.00118221
22	5e-005	-0.510074	31.1709	-0.00120771
23	5e-005	-0.470498	31.3923	-0.00123124
24	5e-005	-0.431644	31.5786	-0.00125282
25	5e-005	-0.393433	31.7334	-0.00127249
26	5e-005	-0.355788	31.8599	-0.00129028
27	0.000184	-0.318639	31.9615	-0.00134891
28	0.0002	-0.284535	32.0424	-0.00140582
29	0.0002	-0.248174	32.104	-0.00145545
30	0.0002	-0.212137	32.149	-0.00149788
31	0.0002	-0.176374	32.1801	-0.00153315
32	0.0002	-0.140835	32.2	-0.00156132
33	0.0002	-0.105474	32.2111	-0.00158242
34	0.0002	-0.0702426	32.216	-0.00159646
35	0.0002	-0.0350997	32.2173	-0.00160348
36	0.0002	0	32.2173	-0.00160348
37	0.0002	0.0350997	32.2185	-0.00159646
38	0.0002	0.0702426	32.2234	-0.00158242
39	0.0002	0.105474	32.2346	-0.00156132
40	0.0002	0.140835	32.2544	-0.00153315
41	0.0002	0.176374	32.2855	-0.00149788
42	0.0002	0.212137	32.3305	-0.00145545
43	0.0002	0.248174	32.3921	-0.00140582
44	0.000224	0.284535	32.473	-0.00134208
45	0.000234	0.318639	32.5746	-0.00126752
46	0.000239	0.355788	32.7012	-0.00118249
47	0.000245	0.393433	32.856	-0.0010861

48	0.000255	0.431644	33.0423	-0.000976026
49	0.00031	0.470498	33.2636	-0.000830172
50	0.00033	0.510074	33.5238	-0.000661847
51	0.000348	0.550465	33.8268	-0.000470286
52	0.000367	0.591776	34.177	-0.000253104
53	0.000428	0.634124	34.5791	1.83012e-005
54	0.000514	0.67449	35.0341	0.000364989
55	0.000572	0.719228	35.5514	0.000776388
56	0.000572	0.765456	36.1373	0.00121423
57	0.000577	0.813379	36.7989	0.00168355
58	0.000579	0.863249	37.5441	0.00218337
59	0.000636	0.915365	38.382	0.00276554
60	0.000787	0.970094	39.323	0.00352901
61	0.000803	1.02789	40.3796	0.0043544
62	0.00086	1.08935	41.5663	0.00529124
63	0.000861	1.15035	42.8896	0.0062817
64	0.000945	1.22123	44.381	0.00743576
65	0.00101	1.29884	46.068	0.00874758
66	0.00107	1.38517	47.9867	0.0102297
67	0.00171	1.48328	50.1868	0.0127661
68	0.00215	1.59819	52.741	0.0162022
69	0.00239	1.7392	55.7658	0.0203589
70	0.00285	1.92684	59.4785	0.0258504
71	0.00694	2.22621	64.4345	0.0413003

Data Set Standard Deviation = 0.00095028
 Numerator = 0.00170571
 Denominator = 0.00407305
 W Statistic = 0.418781 = 0.00170571 / 0.00407305

5% Critical value of 0.967 exceeds 0.418781
Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.418781
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.000335699

Overall Std Dev = 0.000719591

Overall Total = 0.0238346

SS Groups = 1.38956e-005

SS Total = 3.62468e-005

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.38956e-005	4	3.47389e-006	10.2579
Error (within groups)	2.23512e-005	66	3.38655e-007	
Totals	3.62468e-005	70		

95% F-Statistic = 2.44724

10.2579 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	5.35714e-005
6/19/2018	5.35714e-005
7/19/2018	5.35714e-005
8/22/2018	5.35714e-005
9/19/2018	5.35714e-005
10/18/2018	5.35714e-005
11/20/2018	5.35714e-005
12/20/2018	5.35714e-005
11/21/2019	5.35714e-005
6/25/2020	9.64286e-005
11/17/2020	9.64286e-005
5/26/2021	9.64286e-005
11/17/2021	9.64286e-005
4/8/2022	9.64286e-005

Group: MW#03-1

Date	Residual
5/24/2018	6.31429e-005
6/19/2018	6.31429e-005
7/19/2018	6.31429e-005
8/22/2018	7.08571e-005
10/18/2018	6.31429e-005
11/20/2018	6.31429e-005
12/20/2018	6.31429e-005
3/26/2019	6.31429e-005
11/21/2019	6.31429e-005
6/25/2020	8.68571e-005
11/17/2020	8.68571e-005
5/26/2021	8.68571e-005
11/16/2021	8.68571e-005
4/8/2022	8.68571e-005

Group: MW#03-2

Date	Residual
5/24/2018	0.00137807
6/19/2018	0.00120407
7/19/2018	0.00118907
8/22/2018	0.00117307
9/19/2018	0.000792067
10/18/2018	0.000418067
11/20/2018	0.000625067
12/20/2018	0.000358067
11/21/2019	0.00551193
2/14/2020	0.000281933
6/25/2020	0.00119407
11/17/2020	0.000568067
5/26/2021	0.000961933
11/17/2021	0.000721933
4/8/2022	0.00142193

Group: MW#93-2

Date	Residual
5/24/2018	9.08571e-005
6/19/2018	9.08571e-005
7/19/2018	9.08571e-005
8/22/2018	9.08571e-005
9/19/2018	9.08571e-005
10/18/2018	0.000431143
11/20/2018	9.08571e-005
12/20/2018	9.08571e-005
11/21/2019	9.08571e-005
6/25/2020	5.91429e-005
11/16/2020	5.91429e-005
5/26/2021	5.91429e-005
11/17/2021	5.91429e-005
4/8/2022	5.91429e-005

Group: MW#93-3

Date	Residual
5/24/2018	0.0002825
6/19/2018	0.0001375
7/19/2018	0.0001745
8/22/2018	9.5e-006
9/19/2018	7.65e-005
10/18/2018	7.45e-005
11/20/2018	7.25e-005
12/20/2018	0.0002595
11/21/2019	0.0003565
6/25/2020	0.0003045
11/16/2020	0.0001945
5/26/2021	0.0001565
11/17/2021	6.75e-005
4/8/2022	0.0004405

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.69231%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.00694

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	ND<5e-005
	6/19/2018	0.000224
	7/19/2018	0.000239
	8/22/2018	0.000255
	9/19/2018	0.000636
	10/18/2018	0.00101
	11/20/2018	0.000803
	12/20/2018	0.00107
	11/21/2019	0.00694
	2/14/2020	0.00171
	6/25/2020	0.000234
	11/17/2020	0.00086
	5/26/2021	0.00239

Date	Count	Mean	Significant
4/8/2022	1	0.00285	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.69231%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 0.000861

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	0.000787
	6/19/2018	0.000367
	7/19/2018	0.00033
	8/22/2018	0.000514
	9/19/2018	0.000428
	10/18/2018	0.000579
	11/20/2018	0.000577
	12/20/2018	0.000245
	11/21/2019	0.000861
	6/25/2020	ND<0.0002
	11/16/2020	0.00031
	5/26/2021	0.000348
	11/17/2021	0.000572

Date	Count	Mean	Significant
4/8/2022	1	0.000945	TRUE

Concentrations (ppb)

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 50

Percent Non-Detects: 71.4286%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	12 (85.7143%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	0.00105	0.00105
			11/17/2020	0.00113	0.00113
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	14	1 (7.14286%)	5/24/2018	1.4	1.4
			6/19/2018	1.18	1.18
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	0.949	0.949
			9/19/2018	1.34	1.34
			10/18/2018	1.08	1.08
			11/20/2018	1.29	1.29
			12/20/2018	1.34	1.34
			11/21/2019	0.252	0.252
			6/25/2020	0.213	0.213
			11/16/2020	0.32	0.32
			5/26/2021	0.906	0.906
			11/17/2021	1.66	1.66
			4/8/2022	1.48	1.48
MW#03-1	14	10 (71.4286%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	0.0167	0.0167
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	0.000992	0.000992
11/17/2020	0.00274	0.00274			

			5/26/2021	ND<0.005	ND<0.005
			11/16/2021	0.00111	0.00111
			4/8/2022	ND<0.005	ND<0.005
MW#03-2	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.005	ND<0.005
			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
MW#93-3	14	13 (92.8571%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.005	ND<0.005
			11/16/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	0.000858	0.000858

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 71.4286%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 0.01

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#93-2	4/8/2022	1	1.48	TRUE
MW#03-1	4/8/2022	1	0.005	FALSE
MW#03-2	4/8/2022	1	0.005	FALSE
MW#93-3	4/8/2022	1	0.000858	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.69231%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 1.66

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	1.4
	6/19/2018	1.18
	7/19/2018	ND<0.01
	8/22/2018	0.949
	9/19/2018	1.34
	10/18/2018	1.08
	11/20/2018	1.29
	12/20/2018	1.34
	11/21/2019	0.252
	6/25/2020	0.213
	11/16/2020	0.32
	5/26/2021	0.906
	11/17/2021	1.66

Date	Count	Mean	Significant
4/8/2022	1	1.48	FALSE

Shapiro-Francia Test of Normality

Parameter: Molybdenum

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 70

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.000858	-2.19728	4.82806	-0.00188527
2	0.000992	-1.91103	8.4801	-0.00378101
3	0.00105	-1.72793	11.4658	-0.00559534
4	0.00111	-1.58927	13.9916	-0.00735943
5	0.00113	-1.47579	16.1696	-0.00902707
6	0.00274	-1.37866	18.0703	-0.0128046
7	0.005	-1.29303	19.7422	-0.0192698
8	0.005	-1.21596	21.2208	-0.0253496
9	0.005	-1.1455	22.5329	-0.0310771
10	0.005	-1.08032	23.7	-0.0364787
11	0.005	-1.01943	24.7393	-0.0415758
12	0.005	-0.958125	25.6573	-0.0463664
13	0.005	-0.903992	26.4745	-0.0508864
14	0.005	-0.852385	27.201	-0.0551483
15	0.005	-0.802956	27.8458	-0.0591631
16	0.005	-0.755415	28.4164	-0.0629402
17	0.005	-0.709522	28.9199	-0.0664878
18	0.005	-0.665079	29.3622	-0.0698132
19	0.005	-0.621911	29.749	-0.0729228
20	0.005	-0.579873	30.0852	-0.0758221
21	0.01	-0.538836	30.3756	-0.0812105
22	0.01	-0.498687	30.6242	-0.0861974
23	0.01	-0.459327	30.8352	-0.0907906
24	0.01	-0.417928	31.0099	-0.0949699
25	0.01	-0.379927	31.1542	-0.0987692
26	0.01	-0.342466	31.2715	-0.102194
27	0.01	-0.305481	31.3648	-0.105249
28	0.01	-0.268908	31.4371	-0.107938
29	0.01	-0.232693	31.4913	-0.110265
30	0.01	-0.196779	31.53	-0.112232
31	0.01	-0.161119	31.556	-0.113844
32	0.01	-0.125661	31.5718	-0.1151
33	0.01	-0.0903606	31.5799	-0.116004
34	0.01	-0.0551734	31.583	-0.116556
35	0.01	-0.0200544	31.5834	-0.116756
36	0.01	0.0200544	31.5838	-0.116556
37	0.01	0.0551734	31.5868	-0.116004
38	0.01	0.0903606	31.595	-0.1151
39	0.01	0.125661	31.6108	-0.113844
40	0.01	0.161119	31.6367	-0.112232
41	0.01	0.196779	31.6755	-0.110265
42	0.01	0.232693	31.7296	-0.107938
43	0.01	0.268908	31.8019	-0.105249
44	0.01	0.305481	31.8952	-0.102194
45	0.01	0.342466	32.0125	-0.0987692
46	0.01	0.379927	32.1569	-0.0949699
47	0.01	0.417928	32.3315	-0.0907906

48	0.01	0.459327	32.5425	-0.0861974
49	0.01	0.498687	32.7912	-0.0812105
50	0.01	0.538836	33.0815	-0.0758221
51	0.01	0.579873	33.4178	-0.0700234
52	0.01	0.621911	33.8046	-0.0638043
53	0.01	0.665079	34.2469	-0.0571535
54	0.01	0.709522	34.7503	-0.0500583
55	0.01	0.755415	35.321	-0.0425041
56	0.01	0.802956	35.9657	-0.0344746
57	0.0167	0.852385	36.6923	-0.0202397
58	0.213	0.903992	37.5095	0.172311
59	0.252	0.958125	38.4275	0.413758
60	0.32	1.01943	39.4667	0.739975
61	0.906	1.08032	40.6338	1.71875
62	0.949	1.1455	41.946	2.80583
63	1.08	1.21596	43.4245	4.11907
64	1.18	1.29303	45.0965	5.64485
65	1.29	1.37866	46.9972	7.42331
66	1.34	1.47579	49.1751	9.40087
67	1.34	1.58927	51.7009	11.5305
68	1.4	1.72793	54.6867	13.9496
69	1.48	1.91103	58.3387	16.7779
70	1.66	2.19728	63.1668	20.4254

Data Set Standard Deviation = 0.449008

Numerator = 417.198

Denominator = 878.71

W Statistic = 0.474784 = 417.198 / 878.71

5% Critical value of 0.967 exceeds 0.474784

Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.474784

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.0909236

Overall Std Dev = 0.215716

Overall Total = 6.36465

SS Groups = 2.17003

SS Total = 3.21079

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.17003	4	0.542507	33.8817
Error (within groups)	1.04077	65	0.0160118	
Totals	3.21079	69		

95% F-Statistic = 2.44724

33.8817 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.00234429
6/19/2018	0.00234429
7/19/2018	0.00234429
8/22/2018	0.00234429
9/19/2018	0.00234429
10/18/2018	0.00234429
11/20/2018	0.00234429
12/20/2018	0.00234429
11/21/2019	0.00234429
6/25/2020	0.00660571
11/17/2020	0.00652571
5/26/2021	0.00265571
11/17/2021	0.00265571
4/8/2022	0.00265571

Group: MW#93-2

Date	Residual
5/24/2018	0.441429
6/19/2018	0.221429
7/19/2018	0.948571
8/22/2018	0.00957143
9/19/2018	0.381429
10/18/2018	0.121429
11/20/2018	0.331429
12/20/2018	0.381429
11/21/2019	0.706571
6/25/2020	0.745571
11/16/2020	0.638571
5/26/2021	0.0525714
11/17/2021	0.701429
4/8/2022	0.521429

Group: MW#03-1

Date	Residual
5/24/2018	0.00203271
6/19/2018	0.00203271
7/19/2018	0.00203271
8/22/2018	0.00873271
10/18/2018	0.00203271
11/20/2018	0.00203271
12/20/2018	0.00203271
3/26/2019	0.00203271
11/21/2019	0.00203271
6/25/2020	0.00697529
11/17/2020	0.00522729
5/26/2021	0.00296729
11/16/2021	0.00685729
4/8/2022	0.00296729

Group: MW#03-2

Date	Residual
5/24/2018	0.00178571
6/19/2018	0.00178571
7/19/2018	0.00178571
8/22/2018	0.00178571
9/19/2018	0.00178571
10/18/2018	0.00178571
11/20/2018	0.00178571
12/20/2018	0.00178571
11/21/2019	0.00178571
6/25/2020	0.00321429
11/17/2020	0.00321429
5/26/2021	0.00321429
11/17/2021	0.00321429
4/8/2022	0.00321429

Group: MW#93-3

Date	Residual
5/24/2018	0.00208157
6/19/2018	0.00208157
7/19/2018	0.00208157
8/22/2018	0.00208157
9/19/2018	0.00208157
10/18/2018	0.00208157
11/20/2018	0.00208157
12/20/2018	0.00208157
11/21/2019	0.00208157
6/25/2020	0.00291843
11/16/2020	0.00291843
5/26/2021	0.00291843
11/17/2021	0.00291843
4/8/2022	0.00706043

Concentrations (ppb)

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 312

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 77

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	77	0 (0%)	12/15/1994	6.67	6.67
			3/14/1995	6.72	6.72
			6/21/1995	6.58	6.58
			12/14/1995	6.72	6.72
			3/6/1996	6.72	6.72
			4/25/1996	6.79	6.79
			10/2/1996	6.61	6.61
			12/10/1996	6.51	6.51
			3/11/1997	6.77	6.77
			4/15/1997	6.66	6.66
			8/14/1997	6.66	6.66
			12/4/1997	6.78	6.78
			3/31/1998	6.87	6.87
			6/23/1998	6.5	6.5
			8/11/1998	7.05	7.05
			12/8/1998	6.62	6.62
			3/9/1999	6.6	6.6
			6/8/1999	6.93	6.93
			8/19/1999	6.54	6.54
			12/14/1999	6.55	6.55
			3/7/2000	6.59	6.59
			6/23/2000	6.52	6.52
			12/12/2000	6.56	6.56
			3/27/2001	6.6	6.6
			6/28/2001	6.59	6.59
			9/10/2001	6.76	6.76
			12/18/2001	6.76	6.76
			3/19/2002	6.93	6.93
			6/26/2002	6.85	6.85
			9/18/2002	6.62	6.62
			12/11/2002	6.58	6.58
			3/13/2003	6.66	6.66
			6/25/2003	6.94	6.94
			9/26/2003	6.42	6.42
			12/10/2003	6.64	6.64
			3/9/2004	6.68	6.68
			6/24/2004	6.53	6.53
			9/15/2004	6.43	6.43
			12/15/2004	6.61	6.61
			3/16/2005	6.57	6.57
			6/15/2005	6.53	6.53
			9/21/2005	6.65	6.65
			12/21/2005	6.61	6.61
			3/15/2006	6.64	6.64
			6/21/2006	6.85	6.85

12/20/2006	6.67	6.67
6/12/2007	6.58	6.58
12/17/2007	6.33	6.33
6/11/2008	6.7	6.7
12/3/2008	6.5	6.5
6/17/2009	6.8	6.8
12/9/2009	6.6	6.6
6/17/2010	6.5	6.5
12/22/2010	6.55	6.55
6/29/2011	6.5	6.5
12/7/2011	6.41	6.41
6/6/2012	6.23	6.23
12/12/2012	6.61	6.61
6/19/2013	6.58	6.58
12/11/2013	6.57	6.57
6/11/2014	6.1	6.1
12/3/2014	6.69	6.69
6/17/2015	6.38	6.38
12/1/2015	6.45	6.45
6/22/2016	6.59	6.59
12/20/2016	6.28	6.28
6/6/2017	6.69	6.69
11/7/2017	6.21	6.21
2/27/2018	6.47	6.47
9/19/2018	6.62	6.62
5/7/2019	7	7
11/21/2019	6.46	6.46
6/26/2020	6.88	6.88
11/17/2020	6.45	6.45
5/26/2021	6.59	6.59
11/17/2021	7.17	7.17
4/7/2022	7.07	7.07

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	80	0 (0%)	12/15/1994	8.54	8.54
			3/14/1995	8.82	8.82
			6/21/1995	8.68	8.68
			12/14/1995	8.16	8.16
			3/6/1996	9.37	9.37
			4/25/1996	9.14	9.14
			10/2/1996	8.94	8.94
			12/10/1996	9.27	9.27
			3/11/1997	8.95	8.95
			4/15/1997	9.25	9.25
			8/14/1997	8.67	8.67
			12/4/1997	8.77	8.77
			3/31/1998	9.32	9.32
			6/23/1998	8.87	8.87
			8/11/1998	9	9
			12/8/1998	8.9	8.9
			3/9/1999	9.39	9.39
			6/8/1999	9.25	9.25
			8/19/1999	9.15	9.15
			12/14/1999	8.98	8.98

3/7/2000	9.2	9.2
6/23/2000	9.18	9.18
12/12/2000	9.18	9.18
3/27/2001	9.29	9.29
6/28/2001	9.22	9.22
9/10/2001	9.1	9.1
12/18/2001	9.4	9.4
3/19/2002	9.54	9.54
6/26/2002	9.44	9.44
9/18/2002	9.24	9.24
12/11/2002	9.16	9.16
3/13/2003	9.28	9.28
6/25/2003	9.27	9.27
9/26/2003	9.32	9.32
12/10/2003	9.25	9.25
3/9/2004	9.37	9.37
6/24/2004	9.24	9.24
9/15/2004	9.32	9.32
12/15/2004	9.26	9.26
3/16/2005	9.23	9.23
6/15/2005	9.1	9.1
9/21/2005	9.25	9.25
12/21/2005	9.31	9.31
3/15/2006	9.47	9.47
6/21/2006	9.4	9.4
12/20/2006	9.18	9.18
2/21/2007	9.2	9.2
6/12/2007	9.1	9.1
12/17/2007	9.3	9.3
6/11/2008	9.4	9.4
12/3/2008	9.7	9.7
12/15/2008	9.6	9.6
6/17/2009	9.8	9.8
12/9/2009	9.8	9.8
6/17/2010	9.6	9.6
12/22/2010	9.5	9.5
6/29/2011	9.4	9.4
12/7/2011	9.5	9.5
6/6/2012	9.68	9.68
12/12/2012	10.02	10.02
1/9/2013	9.51	9.51
6/19/2013	9.4	9.4
12/11/2013	9.46	9.46
6/11/2014	8.55	8.55
12/3/2014	8.95	8.95
6/17/2015	9.13	9.13
12/1/2015	9.37	9.37
6/22/2016	9.28	9.28
12/20/2016	9.72	9.72
6/6/2017	9.29	9.29
11/7/2017	8.86	8.86
2/27/2018	9.04	9.04
9/19/2018	9.09	9.09
5/7/2019	9.05	9.05
11/21/2019	8.44	8.44
6/26/2020	8.59	8.59
11/16/2020	8.48	8.48

			5/26/2021	8.74	8.74
			11/17/2021	8.64	8.64
			4/7/2022	8.82	8.82
MW#93-3	77	0 (0%)	12/15/1994	6.68	6.68
			3/14/1995	6.74	6.74
			6/21/1995	6.61	6.61
			12/14/1995	6.75	6.75
			3/6/1996	6.85	6.85
			4/25/1996	6.78	6.78
			10/2/1996	6.75	6.75
			12/10/1996	6.7	6.7
			3/11/1997	6.8	6.8
			4/15/1997	6.74	6.74
			8/14/1997	6.88	6.88
			12/4/1997	6.88	6.88
			3/31/1998	6.92	6.92
			6/23/1998	6.76	6.76
			8/11/1998	6.91	6.91
			12/8/1998	6.93	6.93
			3/9/1999	6.78	6.78
			6/8/1999	6.85	6.85
			8/19/1999	6.97	6.97
			12/14/1999	6.8	6.8
			3/7/2000	6.77	6.77
			6/23/2000	6.82	6.82
			12/12/2000	6.86	6.86
			3/27/2001	6.79	6.79
			6/28/2001	6.86	6.86
			9/10/2001	7.04	7.04
			12/18/2001	6.93	6.93
			3/19/2002	7	7
			6/26/2002	6.89	6.89
			9/18/2002	7.96	7.96
			12/11/2002	6.74	6.74
			3/13/2003	6.87	6.87
			6/25/2003	6.85	6.85
			9/26/2003	6.77	6.77
			12/10/2003	6.99	6.99
			3/9/2004	7.45	7.45
			6/24/2004	6.8	6.8
			9/15/2004	6.7	6.7
			12/15/2004	6.88	6.88
			3/16/2005	6.69	6.69
			6/15/2005	6.81	6.81
			9/21/2005	6.85	6.85
			12/21/2005	6.7	6.7
			3/15/2006	7.07	7.07
			6/21/2006	6.84	6.84
			12/20/2006	6.93	6.93
			6/12/2007	6.89	6.89
			12/17/2007	6.8	6.8
			6/11/2008	6.8	6.8
			12/3/2008	6.8	6.8
			6/17/2009	7.2	7.2
			12/9/2009	6.9	6.9
			6/17/2010	6.7	6.7

12/22/2010	6.82	6.82
6/29/2011	6.7	6.7
12/7/2011	6.77	6.77
6/6/2012	6.42	6.42
12/12/2012	6.85	6.85
6/19/2013	6.49	6.49
12/11/2013	7.07	7.07
6/11/2014	6.08	6.08
12/3/2014	6.8	6.8
6/17/2015	6.4	6.4
12/1/2015	6.6	6.6
6/22/2016	6.43	6.43
12/20/2016	6.27	6.27
6/6/2017	6.65	6.65
11/7/2017	6.46	6.46
2/27/2018	6.49	6.49
9/19/2018	6.55	6.55
5/7/2019	6.69	6.69
11/21/2019	6.54	6.54
6/26/2020	6.75	6.75
11/16/2020	6.24	6.24
5/26/2021	6.71	6.71
11/17/2021	6.92	6.92
4/7/2022	6.79	6.79

MW#03-1 37 0 (0%)

6/24/2004	7.27	7.27
9/15/2004	6.78	6.78
12/15/2004	7.32	7.32
3/16/2005	7.3	7.3
6/15/2005	7.28	7.28
9/21/2005	7.88	7.88
12/20/2006	7	7
6/12/2007	7.29	7.29
12/17/2007	6.8	6.8
6/11/2008	7.4	7.4
12/3/2008	7.4	7.4
6/17/2009	7.6	7.6
12/9/2009	7.5	7.5
6/17/2010	7.1	7.1
12/22/2010	6.89	6.89
6/29/2011	7.3	7.3
12/7/2011	7.05	7.05
6/6/2012	7.33	7.33
6/19/2013	7.15	7.15
12/11/2013	7.19	7.19
6/11/2014	6.62	6.62
12/3/2014	6.73	6.73
6/17/2015	6.66	6.66
12/1/2015	6.34	6.34
6/22/2016	7.2	7.2
12/20/2016	6.75	6.75
6/6/2017	6.64	6.64
11/7/2017	6.44	6.44
2/27/2018	6.81	6.81
9/19/2018	7.19	7.19
5/7/2019	6.33	6.33
11/21/2019	6.23	6.23

			6/25/2020	6.77	6.77
			11/17/2020	6.92	6.92
			5/26/2021	5.58	5.58
			11/16/2021	7.62	7.62
			4/7/2022	6.2	6.2
MW#03-2	41	0 (0%)	6/24/2004	6.84	6.84
			9/15/2004	7.17	7.17
			12/15/2004	6.86	6.86
			3/16/2005	6.8	6.8
			6/15/2005	6.87	6.87
			9/21/2005	6.87	6.87
			12/21/2005	6.83	6.83
			3/15/2006	6.88	6.88
			6/21/2006	6.78	6.78
			12/20/2006	6.88	6.88
			6/12/2007	6.87	6.87
			12/17/2007	6.7	6.7
			6/11/2008	6.9	6.9
			12/3/2008	6.8	6.8
			6/17/2009	7.3	7.3
			12/9/2009	6.8	6.8
			6/17/2010	6.8	6.8
			12/22/2010	7.2	7.2
			6/29/2011	6.7	6.7
			12/7/2011	6.69	6.69
			6/6/2012	6.73	6.73
			12/12/2012	6.82	6.82
			6/19/2013	6.88	6.88
			12/11/2013	6.72	6.72
			6/11/2014	7	7
			12/3/2014	7.14	7.14
			6/17/2015	6.45	6.45
			12/1/2015	6.39	6.39
			6/22/2016	6.75	6.75
			12/20/2016	6.36	6.36
			6/6/2017	6.73	6.73
			11/7/2017	6.22	6.22
			2/27/2018	6.47	6.47
			9/19/2018	6.63	6.63
			5/7/2019	6.81	6.81
			11/21/2019	6.56	6.56
			6/25/2020	6.65	6.65
			11/17/2020	6.64	6.64
			5/26/2021	6.54	6.54
			11/17/2021	6.92	6.92
			4/7/2022	6.74	6.74

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 77

Maximum Background Value = 7.17

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#93-2	4/7/2022	1	8.82	TRUE
MW#93-3	4/7/2022	1	6.79	FALSE
MW#03-1	4/7/2022	1	6.2	FALSE
MW#03-2	4/7/2022	1	6.74	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 76

Maximum Baseline Concentration = 10.02

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	8.54
	3/14/1995	8.82
	6/21/1995	8.68
	12/14/1995	8.16
	3/6/1996	9.37
	4/25/1996	9.14
	10/2/1996	8.94
	12/10/1996	9.27
	3/11/1997	8.95
	4/15/1997	9.25
	8/14/1997	8.67
	12/4/1997	8.77
	3/31/1998	9.32
	6/23/1998	8.87
	8/11/1998	9
	12/8/1998	8.9
	3/9/1999	9.39
	6/8/1999	9.25
	8/19/1999	9.15
	12/14/1999	8.98
	3/7/2000	9.2
	6/23/2000	9.18
	12/12/2000	9.18
	3/27/2001	9.29
	6/28/2001	9.22
	9/10/2001	9.1
	12/18/2001	9.4
	3/19/2002	9.54
	6/26/2002	9.44
	9/18/2002	9.24
	12/11/2002	9.16
	3/13/2003	9.28
	6/25/2003	9.27
	9/26/2003	9.32
	12/10/2003	9.25
	3/9/2004	9.37
	6/24/2004	9.24
	9/15/2004	9.32
	12/15/2004	9.26
	3/16/2005	9.23
	6/15/2005	9.1
	9/21/2005	9.25

12/21/2005	9.31
3/15/2006	9.47
6/21/2006	9.4
12/20/2006	9.18
2/21/2007	9.2
6/12/2007	9.1
12/17/2007	9.3
6/11/2008	9.4
12/3/2008	9.7
12/15/2008	9.6
6/17/2009	9.8
12/9/2009	9.8
6/17/2010	9.6
12/22/2010	9.5
6/29/2011	9.4
12/7/2011	9.5
6/6/2012	9.68
12/12/2012	10.02
1/9/2013	9.51
6/19/2013	9.4
12/11/2013	9.46
6/11/2014	8.55
12/3/2014	8.95
6/17/2015	9.13
12/1/2015	9.37
6/22/2016	9.28
12/20/2016	9.72
6/6/2017	9.29
11/7/2017	8.86
2/27/2018	9.04
9/19/2018	9.09
5/7/2019	9.05
11/21/2019	8.44
6/26/2020	8.59

Date	Count	Mean	Significant
4/7/2022	1	8.82	FALSE

Shapiro-Francia Test of Normality

Parameter: ph

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 312

i	x(i)	m(i)	sum(m²)	sum(mx)
1	5.58	-2.74777	7.55021	-15.3325
2	6.08	-2.51213	13.861	-30.6063
3	6.1	-2.36561	19.4572	-45.0365
4	6.2	-2.25713	24.5518	-59.0307
5	6.21	-2.17009	29.2611	-72.507
6	6.22	-2.07485	33.5661	-85.4126
7	6.23	-2.01409	37.6227	-97.9604
8	6.23	-1.95996	41.4641	-110.171
9	6.24	-1.91103	45.1161	-122.096
10	6.27	-1.86629	48.5992	-133.797
11	6.28	-1.81191	51.8822	-145.176
12	6.33	-1.77438	55.0306	-156.408
13	6.33	-1.7392	58.0555	-167.417
14	6.34	-1.70604	60.966	-178.234
15	6.36	-1.67466	63.7705	-188.884
16	6.38	-1.63524	66.4445	-199.317
17	6.39	-1.60725	69.0278	-209.587
18	6.4	-1.58047	71.5256	-219.702
19	6.41	-1.55477	73.943	-229.669
20	6.42	-1.53007	76.2841	-239.492
21	6.42	-1.49852	78.5296	-249.112
22	6.43	-1.47579	80.7076	-258.601
23	6.43	-1.4538	82.8211	-267.949
24	6.44	-1.4325	84.8732	-277.175
25	6.45	-1.41183	86.8665	-286.281
26	6.45	-1.38517	88.7852	-295.215
27	6.45	-1.36581	90.6506	-304.025
28	6.46	-1.34694	92.4648	-312.726
29	6.46	-1.32854	94.2298	-321.308
30	6.47	-1.31058	95.9475	-329.788
31	6.47	-1.28727	97.6045	-338.116
32	6.49	-1.27024	99.218	-346.36
33	6.49	-1.25357	100.789	-354.496
34	6.5	-1.23724	102.32	-362.538
35	6.5	-1.22123	103.812	-370.476
36	6.5	-1.20036	105.252	-378.278
37	6.5	-1.18504	106.657	-385.981
38	6.51	-1.17	108.026	-393.598
39	6.52	-1.15522	109.36	-401.13
40	6.53	-1.14069	110.661	-408.579
41	6.53	-1.12639	111.93	-415.934
42	6.54	-1.10768	113.157	-423.178
43	6.54	-1.0939	114.354	-430.332
44	6.54	-1.08032	115.521	-437.397
45	6.55	-1.06694	116.659	-444.386
46	6.55	-1.05375	117.77	-451.288
47	6.55	-1.03643	118.844	-458.077

48	6.56	-1.02365	119.892	-464.792
49	6.56	-1.01104	120.914	-471.424
50	6.57	-0.998575	121.911	-477.985
51	6.57	-0.986272	122.884	-484.465
52	6.58	-0.970094	123.825	-490.848
53	6.58	-0.958125	124.743	-497.152
54	6.58	-0.946291	125.638	-503.379
55	6.58	-0.93459	126.512	-509.528
56	6.59	-0.923014	127.364	-515.611
57	6.59	-0.907769	128.188	-521.593
58	6.59	-0.896473	128.991	-527.501
59	6.59	-0.885291	129.775	-533.335
60	6.6	-0.874218	130.539	-539.105
61	6.6	-0.863249	131.285	-544.802
62	6.6	-0.848786	132.005	-550.404
63	6.6	-0.838054	132.707	-555.936
64	6.61	-0.827417	133.392	-561.405
65	6.61	-0.816874	134.059	-566.804
66	6.61	-0.806422	134.71	-572.135
67	6.61	-0.792618	135.338	-577.374
68	6.61	-0.782366	135.95	-582.545
69	6.62	-0.772193	136.546	-587.657
70	6.62	-0.7621	137.127	-592.702
71	6.62	-0.752084	137.693	-597.681
72	6.62	-0.738846	138.239	-602.572
73	6.63	-0.729003	138.77	-607.406
74	6.64	-0.719228	139.287	-612.181
75	6.64	-0.709522	139.791	-616.893
76	6.64	-0.699883	140.28	-621.54
77	6.64	-0.687131	140.753	-626.102
78	6.65	-0.677639	141.212	-630.609
79	6.65	-0.668209	141.658	-635.052
80	6.65	-0.658838	142.092	-639.434
81	6.66	-0.649522	142.514	-643.759
82	6.66	-0.640266	142.924	-648.024
83	6.66	-0.628006	143.319	-652.206
84	6.66	-0.618872	143.702	-656.328
85	6.67	-0.609791	144.073	-660.395
86	6.67	-0.60076	144.434	-664.402
87	6.68	-0.591776	144.785	-668.355
88	6.68	-0.579873	145.121	-672.229
89	6.69	-0.570999	145.447	-676.049
90	6.69	-0.56217	145.763	-679.81
91	6.69	-0.553384	146.069	-683.512
92	6.69	-0.544642	146.366	-687.155
93	6.69	-0.533048	146.65	-690.722
94	6.7	-0.524401	146.925	-694.235
95	6.7	-0.515791	147.191	-697.691
96	6.7	-0.507221	147.448	-701.089
97	6.7	-0.498687	147.697	-704.43
98	6.7	-0.487364	147.934	-707.696
99	6.7	-0.478914	148.164	-710.904
100	6.7	-0.470498	148.385	-714.057
101	6.7	-0.462114	148.599	-717.153
102	6.71	-0.453763	148.805	-720.198
103	6.72	-0.442676	149.001	-723.172
104	6.72	-0.434397	149.189	-726.092

105	6.72	-0.426148	149.371	-728.955
106	6.72	-0.417928	149.546	-731.764
107	6.73	-0.409735	149.713	-734.521
108	6.73	-0.398855	149.873	-737.206
109	6.73	-0.390726	150.025	-739.835
110	6.74	-0.382622	150.172	-742.414
111	6.74	-0.374544	150.312	-744.939
112	6.74	-0.36649	150.446	-747.409
113	6.74	-0.355788	150.573	-749.807
114	6.75	-0.347787	150.694	-752.154
115	6.75	-0.33981	150.809	-754.448
116	6.75	-0.331854	150.919	-756.688
117	6.75	-0.323919	151.024	-758.874
118	6.75	-0.316004	151.124	-761.007
119	6.76	-0.305481	151.217	-763.073
120	6.76	-0.297612	151.306	-765.084
121	6.76	-0.28976	151.39	-767.043
122	6.77	-0.281926	151.469	-768.952
123	6.77	-0.27411	151.545	-770.808
124	6.77	-0.263715	151.614	-772.593
125	6.77	-0.255936	151.68	-774.326
126	6.77	-0.248174	151.741	-776.006
127	6.78	-0.240426	151.799	-777.636
128	6.78	-0.232693	151.853	-779.213
129	6.78	-0.222403	151.903	-780.721
130	6.78	-0.214702	151.949	-782.177
131	6.78	-0.207012	151.992	-783.581
132	6.79	-0.199336	152.031	-784.934
133	6.79	-0.191671	152.068	-786.236
134	6.79	-0.181468	152.101	-787.468
135	6.8	-0.173829	152.131	-788.65
136	6.8	-0.166199	152.159	-789.78
137	6.8	-0.158579	152.184	-790.858
138	6.8	-0.150969	152.207	-791.885
139	6.8	-0.140835	152.227	-792.842
140	6.8	-0.133244	152.244	-793.749
141	6.8	-0.125661	152.26	-794.603
142	6.8	-0.118085	152.274	-795.406
143	6.8	-0.110516	152.286	-796.158
144	6.8	-0.100433	152.296	-796.84
145	6.8	-0.0928787	152.305	-797.472
146	6.8	-0.0853288	152.312	-798.052
147	6.8	-0.0777834	152.318	-798.581
148	6.81	-0.0702426	152.323	-799.06
149	6.81	-0.0601949	152.327	-799.469
150	6.81	-0.0526632	152.33	-799.828
151	6.82	-0.0451348	152.332	-800.136
152	6.82	-0.0376076	152.333	-800.392
153	6.82	-0.0300838	152.334	-800.598
154	6.83	-0.0200544	152.334	-800.735
155	6.84	-0.0125328	152.335	-800.82
156	6.84	-0.00501359	152.335	-800.855
157	6.85	0.00501359	152.335	-800.82
158	6.85	0.0125328	152.335	-800.734
159	6.85	0.0200544	152.335	-800.597
160	6.85	0.0300838	152.336	-800.391
161	6.85	0.0376076	152.338	-800.133

162	6.85	0.0451348	152.34	-799.824
163	6.85	0.0526632	152.342	-799.463
164	6.86	0.0601949	152.346	-799.05
165	6.86	0.0702426	152.351	-798.569
166	6.86	0.0777834	152.357	-798.035
167	6.87	0.0853288	152.364	-797.449
168	6.87	0.0928787	152.373	-796.811
169	6.87	0.100433	152.383	-796.121
170	6.87	0.110516	152.395	-795.362
171	6.87	0.118085	152.409	-794.55
172	6.88	0.125661	152.425	-793.686
173	6.88	0.133244	152.443	-792.769
174	6.88	0.140835	152.462	-791.8
175	6.88	0.150969	152.485	-790.761
176	6.88	0.158579	152.51	-789.67
177	6.88	0.166199	152.538	-788.527
178	6.88	0.173829	152.568	-787.331
179	6.89	0.181468	152.601	-786.081
180	6.89	0.191671	152.638	-784.76
181	6.89	0.199336	152.678	-783.387
182	6.9	0.207012	152.721	-781.958
183	6.9	0.214702	152.767	-780.477
184	6.91	0.222403	152.816	-778.94
185	6.92	0.232693	152.87	-777.33
186	6.92	0.240426	152.928	-775.666
187	6.92	0.248174	152.99	-773.949
188	6.92	0.255936	153.055	-772.178
189	6.93	0.263715	153.125	-770.35
190	6.93	0.27411	153.2	-768.45
191	6.93	0.281926	153.279	-766.497
192	6.93	0.28976	153.363	-764.489
193	6.93	0.297612	153.452	-762.426
194	6.94	0.305481	153.545	-760.306
195	6.97	0.316004	153.645	-758.104
196	6.99	0.323919	153.75	-755.839
197	7	0.331854	153.86	-753.516
198	7	0.33981	153.976	-751.138
199	7	0.347787	154.096	-748.703
200	7	0.355788	154.223	-746.213
201	7.04	0.36649	154.357	-743.633
202	7.05	0.374544	154.498	-740.992
203	7.05	0.382622	154.644	-738.295
204	7.07	0.390726	154.797	-735.532
205	7.07	0.398855	154.956	-732.712
206	7.07	0.409735	155.124	-729.815
207	7.1	0.417928	155.298	-726.848
208	7.14	0.426148	155.48	-723.805
209	7.15	0.434397	155.669	-720.7
210	7.17	0.442676	155.865	-717.526
211	7.17	0.453763	156.071	-714.272
212	7.19	0.462114	156.284	-710.949
213	7.19	0.470498	156.505	-707.567
214	7.2	0.478914	156.735	-704.118
215	7.2	0.487364	156.972	-700.609
216	7.2	0.498687	157.221	-697.019
217	7.27	0.507221	157.478	-693.331
218	7.28	0.515791	157.744	-689.576

219	7.29	0.524401	158.019	-685.753
220	7.3	0.533048	158.303	-681.862
221	7.3	0.544642	158.6	-677.886
222	7.3	0.553384	158.906	-673.847
223	7.32	0.56217	159.222	-669.732
224	7.33	0.570999	159.548	-665.546
225	7.4	0.579873	159.885	-661.255
226	7.4	0.591776	160.235	-656.876
227	7.45	0.60076	160.596	-652.4
228	7.5	0.609791	160.968	-647.827
229	7.6	0.618872	161.351	-643.123
230	7.62	0.628006	161.745	-638.338
231	7.88	0.640266	162.155	-633.293
232	7.96	0.649522	162.577	-628.122
233	8.16	0.658838	163.011	-622.746
234	8.44	0.668209	163.457	-617.107
235	8.48	0.677639	163.917	-611.36
236	8.54	0.687131	164.389	-605.492
237	8.55	0.699883	164.879	-599.508
238	8.59	0.709522	165.382	-593.413
239	8.64	0.719228	165.899	-587.199
240	8.67	0.729003	166.431	-580.879
241	8.68	0.738846	166.977	-574.466
242	8.74	0.752084	167.542	-567.892
243	8.77	0.7621	168.123	-561.209
244	8.82	0.772193	168.719	-554.398
245	8.82	0.782366	169.331	-547.498
246	8.86	0.792618	169.96	-540.475
247	8.87	0.806422	170.61	-533.322
248	8.9	0.816874	171.277	-526.052
249	8.94	0.827417	171.962	-518.655
250	8.95	0.838054	172.664	-511.154
251	8.95	0.848786	173.385	-503.558
252	8.98	0.863249	174.13	-495.806
253	9	0.874218	174.894	-487.938
254	9.04	0.885291	175.678	-479.935
255	9.05	0.896473	176.482	-471.822
256	9.09	0.907769	177.306	-463.57
257	9.1	0.923014	178.158	-455.17
258	9.1	0.93459	179.031	-446.666
259	9.1	0.946291	179.926	-438.054
260	9.13	0.958125	180.844	-429.307
261	9.14	0.970094	181.786	-420.44
262	9.15	0.986272	182.758	-411.416
263	9.16	0.998575	183.755	-402.269
264	9.18	1.01104	184.778	-392.987
265	9.18	1.02365	185.825	-383.59
266	9.18	1.03643	186.9	-374.076
267	9.2	1.05375	188.01	-364.381
268	9.2	1.06694	189.148	-354.566
269	9.22	1.08032	190.315	-344.605
270	9.23	1.0939	191.512	-334.508
271	9.24	1.10768	192.739	-324.273
272	9.24	1.12639	194.008	-313.866
273	9.25	1.14069	195.309	-303.314
274	9.25	1.15522	196.644	-292.628
275	9.25	1.17	198.012	-281.806

276	9.25	1.18504	199.417	-270.844
277	9.26	1.20036	200.858	-259.729
278	9.27	1.22123	202.349	-248.408
279	9.27	1.23724	203.88	-236.939
280	9.28	1.25357	205.451	-225.306
281	9.28	1.27024	207.065	-213.518
282	9.29	1.28727	208.722	-201.559
283	9.29	1.31058	210.439	-189.384
284	9.3	1.32854	212.204	-177.029
285	9.31	1.34694	214.019	-164.489
286	9.32	1.36581	215.884	-151.759
287	9.32	1.38517	217.803	-138.849
288	9.32	1.41183	219.796	-125.691
289	9.37	1.4325	221.848	-112.269
290	9.37	1.4538	223.962	-98.6465
291	9.37	1.47579	226.14	-84.8183
292	9.39	1.49852	228.385	-70.7472
293	9.4	1.53007	230.726	-56.3646
294	9.4	1.55477	233.144	-41.7498
295	9.4	1.58047	235.641	-26.8934
296	9.4	1.60725	238.225	-11.7852
297	9.4	1.63524	240.899	3.58597
298	9.44	1.67466	243.703	19.3948
299	9.46	1.70604	246.614	35.5339
300	9.47	1.7392	249.639	52.0042
301	9.5	1.77438	252.787	68.8608
302	9.5	1.81191	256.07	86.0739
303	9.51	1.86629	259.553	103.822
304	9.54	1.91103	263.205	122.054
305	9.6	1.95996	267.047	140.869
306	9.6	2.01409	271.103	160.205
307	9.68	2.07485	275.408	180.289
308	9.7	2.17009	280.117	201.339
309	9.72	2.25713	285.212	223.278
310	9.8	2.36561	290.808	246.461
311	9.8	2.51213	297.119	271.08
312	10.02	2.74777	304.669	298.613

Data Set Standard Deviation = 1.10357

Numerator = 89169.6

Denominator = 115396

W Statistic = 0.772726 = 89169.6 / 115396

5% Critical value of 0.976 exceeds 0.772726

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.772726

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.203491

Overall Std Dev = 0.208401

Overall Total = 63.4891

SS Groups = 1.94875

SS Total = 13.507

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.94875	4	0.487189	12.9403
Error (within groups)	11.5583	307	0.037649	
Totals	13.507	311		

95% F-Statistic = 2.37

12.9403 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	0.044026
	3/14/1995	0.094026
	6/21/1995	0.045974
	12/14/1995	0.094026
	3/6/1996	0.094026
	4/25/1996	0.164026
	10/2/1996	0.015974
	12/10/1996	0.115974
	3/11/1997	0.144026
	4/15/1997	0.034026
	8/14/1997	0.034026
	12/4/1997	0.154026
	3/31/1998	0.244026
	6/23/1998	0.125974
	8/11/1998	0.424026
	12/8/1998	0.00597403
	3/9/1999	0.025974
	6/8/1999	0.304026
	8/19/1999	0.085974
	12/14/1999	0.075974
	3/7/2000	0.035974
	6/23/2000	0.105974
	12/12/2000	0.065974
	3/27/2001	0.025974
	6/28/2001	0.035974
	9/10/2001	0.134026
	12/18/2001	0.134026
	3/19/2002	0.304026
	6/26/2002	0.224026
	9/18/2002	0.00597403

12/11/2002	0.045974
3/13/2003	0.034026
6/25/2003	0.314026
9/26/2003	0.205974
12/10/2003	0.014026
3/9/2004	0.054026
6/24/2004	0.095974
9/15/2004	0.195974
12/15/2004	0.015974
3/16/2005	0.055974
6/15/2005	0.095974
9/21/2005	0.024026
12/21/2005	0.015974
3/15/2006	0.014026
6/21/2006	0.224026
12/20/2006	0.044026
6/12/2007	0.045974
12/17/2007	0.295974
6/11/2008	0.074026
12/3/2008	0.125974
6/17/2009	0.174026
12/9/2009	0.025974
6/17/2010	0.125974
12/22/2010	0.075974
6/29/2011	0.125974
12/7/2011	0.215974
6/6/2012	0.395974
12/12/2012	0.015974
6/19/2013	0.045974
12/11/2013	0.055974
6/11/2014	0.525974
12/3/2014	0.064026
6/17/2015	0.245974
12/1/2015	0.175974
6/22/2016	0.035974
12/20/2016	0.345974
6/6/2017	0.064026
11/7/2017	0.415974
2/27/2018	0.155974
9/19/2018	0.00597403
5/7/2019	0.374026
11/21/2019	0.165974
6/26/2020	0.254026
11/17/2020	0.175974
5/26/2021	0.035974
11/17/2021	0.544026
4/7/2022	0.444026

Group: MW#93-2

Date	Residual
12/15/1994	0.642875
3/14/1995	0.362875
6/21/1995	0.502875
12/14/1995	1.02288
3/6/1996	0.187125
4/25/1996	0.042875
10/2/1996	0.242875
12/10/1996	0.087125

3/11/1997	0.232875
4/15/1997	0.067125
8/14/1997	0.512875
12/4/1997	0.412875
3/31/1998	0.137125
6/23/1998	0.312875
8/11/1998	0.182875
12/8/1998	0.282875
3/9/1999	0.207125
6/8/1999	0.067125
8/19/1999	0.032875
12/14/1999	0.202875
3/7/2000	0.017125
6/23/2000	0.002875
12/12/2000	0.002875
3/27/2001	0.107125
6/28/2001	0.037125
9/10/2001	0.082875
12/18/2001	0.217125
3/19/2002	0.357125
6/26/2002	0.257125
9/18/2002	0.057125
12/11/2002	0.022875
3/13/2003	0.097125
6/25/2003	0.087125
9/26/2003	0.137125
12/10/2003	0.067125
3/9/2004	0.187125
6/24/2004	0.057125
9/15/2004	0.137125
12/15/2004	0.077125
3/16/2005	0.047125
6/15/2005	0.082875
9/21/2005	0.067125
12/21/2005	0.127125
3/15/2006	0.287125
6/21/2006	0.217125
12/20/2006	0.002875
2/21/2007	0.017125
6/12/2007	0.082875
12/17/2007	0.117125
6/11/2008	0.217125
12/3/2008	0.517125
12/15/2008	0.417125
6/17/2009	0.617125
12/9/2009	0.617125
6/17/2010	0.417125
12/22/2010	0.317125
6/29/2011	0.217125
12/7/2011	0.317125
6/6/2012	0.497125
12/12/2012	0.837125
1/9/2013	0.327125
6/19/2013	0.217125
12/11/2013	0.277125
6/11/2014	0.632875
12/3/2014	0.232875

6/17/2015	0.052875
12/1/2015	0.187125
6/22/2016	0.097125
12/20/2016	0.537125
6/6/2017	0.107125
11/7/2017	0.322875
2/27/2018	0.142875
9/19/2018	0.092875
5/7/2019	0.132875
11/21/2019	0.742875
6/26/2020	0.592875
11/16/2020	0.702875
5/26/2021	0.442875
11/17/2021	0.542875
4/7/2022	0.362875

Group: MW#93-3

Date	Residual
12/15/1994	0.105974
3/14/1995	0.045974
6/21/1995	0.175974
12/14/1995	0.035974
3/6/1996	0.064026
4/25/1996	0.00597403
10/2/1996	0.035974
12/10/1996	0.085974
3/11/1997	0.014026
4/15/1997	0.045974
8/14/1997	0.094026
12/4/1997	0.094026
3/31/1998	0.134026
6/23/1998	0.025974
8/11/1998	0.124026
12/8/1998	0.144026
3/9/1999	0.00597403
6/8/1999	0.064026
8/19/1999	0.184026
12/14/1999	0.014026
3/7/2000	0.015974
6/23/2000	0.034026
12/12/2000	0.074026
3/27/2001	0.00402597
6/28/2001	0.074026
9/10/2001	0.254026
12/18/2001	0.144026
3/19/2002	0.214026
6/26/2002	0.104026
9/18/2002	1.17403
12/11/2002	0.045974
3/13/2003	0.084026
6/25/2003	0.064026
9/26/2003	0.015974
12/10/2003	0.204026
3/9/2004	0.664026
6/24/2004	0.014026
9/15/2004	0.085974
12/15/2004	0.094026
3/16/2005	0.095974

6/15/2005	0.024026
9/21/2005	0.064026
12/21/2005	0.085974
3/15/2006	0.284026
6/21/2006	0.054026
12/20/2006	0.144026
6/12/2007	0.104026
12/17/2007	0.014026
6/11/2008	0.014026
12/3/2008	0.014026
6/17/2009	0.414026
12/9/2009	0.114026
6/17/2010	0.085974
12/22/2010	0.034026
6/29/2011	0.085974
12/7/2011	0.015974
6/6/2012	0.365974
12/12/2012	0.064026
6/19/2013	0.295974
12/11/2013	0.284026
6/11/2014	0.705974
12/3/2014	0.014026
6/17/2015	0.385974
12/1/2015	0.185974
6/22/2016	0.355974
12/20/2016	0.515974
6/6/2017	0.135974
11/7/2017	0.325974
2/27/2018	0.295974
9/19/2018	0.235974
5/7/2019	0.095974
11/21/2019	0.245974
6/26/2020	0.035974
11/16/2020	0.545974
5/26/2021	0.075974
11/17/2021	0.134026
4/7/2022	0.00402597

Group: MW#03-1

Date	Residual
6/24/2004	0.300811
9/15/2004	0.189189
12/15/2004	0.350811
3/16/2005	0.330811
6/15/2005	0.310811
9/21/2005	0.910811
12/20/2006	0.0308108
6/12/2007	0.320811
12/17/2007	0.169189
6/11/2008	0.430811
12/3/2008	0.430811
6/17/2009	0.630811
12/9/2009	0.530811
6/17/2010	0.130811
12/22/2010	0.0791892
6/29/2011	0.330811
12/7/2011	0.0808108
6/6/2012	0.360811

6/19/2013	0.180811
12/11/2013	0.220811
6/11/2014	0.349189
12/3/2014	0.239189
6/17/2015	0.309189
12/1/2015	0.629189
6/22/2016	0.230811
12/20/2016	0.219189
6/6/2017	0.329189
11/7/2017	0.529189
2/27/2018	0.159189
9/19/2018	0.220811
5/7/2019	0.639189
11/21/2019	0.739189
6/25/2020	0.199189
11/17/2020	0.0491892
5/26/2021	1.38919
11/16/2021	0.650811
4/7/2022	0.769189

Group: MW#03-2

Date	Residual
6/24/2004	0.0670732
9/15/2004	0.397073
12/15/2004	0.0870732
3/16/2005	0.0270732
6/15/2005	0.0970732
9/21/2005	0.0970732
12/21/2005	0.0570732
3/15/2006	0.107073
6/21/2006	0.00707317
12/20/2006	0.107073
6/12/2007	0.0970732
12/17/2007	0.0729268
6/11/2008	0.127073
12/3/2008	0.0270732
6/17/2009	0.527073
12/9/2009	0.0270732
6/17/2010	0.0270732
12/22/2010	0.427073
6/29/2011	0.0729268
12/7/2011	0.0829268
6/6/2012	0.0429268
12/12/2012	0.0470732
6/19/2013	0.107073
12/11/2013	0.0529268
6/11/2014	0.227073
12/3/2014	0.367073
6/17/2015	0.322927
12/1/2015	0.382927
6/22/2016	0.0229268
12/20/2016	0.412927
6/6/2017	0.0429268
11/7/2017	0.552927
2/27/2018	0.302927
9/19/2018	0.142927
5/7/2019	0.0370732
11/21/2019	0.212927

6/25/2020	0.122927
11/17/2020	0.132927
5/26/2021	0.232927
11/17/2021	0.147073
4/7/2022	0.0329268

Concentrations (ppb)

Parameter: Radium Combined

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 2

Percent Non-Detects: 2.85714%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	2 (14.2857%)	5/24/2018	0.666	0.666
			6/22/2018	0.0833	0.0833
			7/19/2018	0.117	0.117
			8/22/2018	0.32	0.32
			9/19/2018	ND<0	ND<0
			10/18/2018	1.19	1.19
			11/20/2018	0.785	0.785
			12/20/2018	0.735	0.735
			11/21/2019	0.872	0.872
			6/25/2020	0.447	0.447
			11/17/2020	0.202	0.202
			5/26/2021	0.99	0.99
			11/17/2021	2.24	2.24
			4/8/2022	ND<0	ND<0

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	0 (0%)	5/24/2018	1.19	1.19
			6/22/2018	3.08	3.08
			7/19/2018	0.457	0.457
			8/22/2018	6.1	6.1
			10/18/2018	2.84	2.84
			11/20/2018	0.809	0.809
			12/20/2018	1.71	1.71
			3/26/2019	0.994	0.994
			11/21/2019	0.729	0.729
			6/25/2020	0.715	0.715
			11/17/2020	1.184	1.184
			5/26/2021	1.84	1.84
			11/16/2021	1.974	1.974
			4/8/2022	1.033	1.033
			MW#03-2	14	0 (0%)
6/22/2018	0.108	0.108			
7/19/2018	2.55	2.55			
8/22/2018	0.515	0.515			
9/19/2018	0.34	0.34			
10/18/2018	0.939	0.939			
11/20/2018	1.39	1.39			
12/20/2018	1.01	1.01			
11/21/2019	0.394	0.394			
6/25/2020	0.949	0.949			
11/17/2020	3.586	3.586			

			5/26/2021	0.41	0.41
			11/17/2021	0.804	0.804
			4/8/2022	2.337	2.337
MW#93-2	14	0 (0%)	5/24/2018	1.44	1.44
			6/22/2018	1.8	1.8
			7/19/2018	5.74	5.74
			8/22/2018	2.24	2.24
			9/19/2018	0.935	0.935
			10/18/2018	1.9	1.9
			11/20/2018	1.28	1.28
			12/20/2018	1.16	1.16
			11/21/2019	1.25	1.25
			6/25/2020	3.24	3.24
			11/16/2020	3.478	3.478
			5/26/2021	3.25	3.25
			11/17/2021	3.743	3.743
			4/8/2022	4.77	4.77
MW#93-3	14	0 (0%)	5/24/2018	0.422	0.422
			6/22/2018	0.336	0.336
			7/19/2018	0.519	0.519
			8/22/2018	1	1
			9/19/2018	0.3	0.3
			10/18/2018	1.45	1.45
			11/20/2018	1.42	1.42
			12/20/2018	1.39	1.39
			11/21/2019	1.03	1.03
			6/25/2020	0.519	0.519
			11/16/2020	0.7	0.7
			5/26/2021	0.42	0.42
			11/17/2021	1.783	1.783
			4/8/2022	0.555	0.555

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Radium Combined

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 2.85714%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 14

Maximum Background Value = 2.24

Confidence Level = 77.8%

False Positive Rate = 22.2%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	1.033	FALSE
MW#03-2	4/8/2022	1	2.337	TRUE
MW#93-2	4/8/2022	1	4.77	TRUE
MW#93-3	4/8/2022	1	0.555	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Radium Combined

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 3.586

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	1.24
	6/22/2018	0.108
	7/19/2018	2.55
	8/22/2018	0.515
	9/19/2018	0.34
	10/18/2018	0.939
	11/20/2018	1.39
	12/20/2018	1.01
	11/21/2019	0.394
	6/25/2020	0.949
	11/17/2020	3.586
	5/26/2021	0.41
	11/17/2021	0.804

Date	Count	Mean	Significant
4/8/2022	1	2.337	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Radium Combined

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 5.74

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	1.44
	6/22/2018	1.8
	7/19/2018	5.74
	8/22/2018	2.24
	9/19/2018	0.935
	10/18/2018	1.9
	11/20/2018	1.28
	12/20/2018	1.16
	11/21/2019	1.25
	6/25/2020	3.24
	11/16/2020	3.478
	5/26/2021	3.25
	11/17/2021	3.743

Date	Count	Mean	Significant
4/8/2022	1	4.77	FALSE

Shapiro-Francia Test of Normality

Parameter: Radium Combined

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 70

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0	-2.19728	4.82806	0
2	0	-1.91103	8.4801	0
3	0.0833	-1.72793	11.4658	-0.143937
4	0.108	-1.58927	13.9916	-0.315578
5	0.117	-1.47579	16.1696	-0.488245
6	0.202	-1.37866	18.0703	-0.766734
7	0.3	-1.29303	19.7422	-1.15464
8	0.32	-1.21596	21.2208	-1.54375
9	0.336	-1.1455	22.5329	-1.92864
10	0.34	-1.08032	23.7	-2.29595
11	0.394	-1.01943	24.7393	-2.6976
12	0.41	-0.958125	25.6573	-3.09044
13	0.42	-0.903992	26.4745	-3.47011
14	0.422	-0.852385	27.201	-3.82982
15	0.447	-0.802956	27.8458	-4.18874
16	0.457	-0.755415	28.4164	-4.53397
17	0.515	-0.709522	28.9199	-4.89937
18	0.519	-0.665079	29.3622	-5.24455
19	0.519	-0.621911	29.749	-5.56732
20	0.555	-0.579873	30.0852	-5.88915
21	0.666	-0.538836	30.3756	-6.24801
22	0.7	-0.498687	30.6242	-6.59709
23	0.715	-0.459327	30.8352	-6.92551
24	0.729	-0.417928	31.0099	-7.23018
25	0.735	-0.379927	31.1542	-7.50943
26	0.785	-0.342466	31.2715	-7.77826
27	0.804	-0.305481	31.3648	-8.02387
28	0.809	-0.268908	31.4371	-8.24142
29	0.872	-0.232693	31.4913	-8.44432
30	0.935	-0.196779	31.53	-8.62831
31	0.939	-0.161119	31.556	-8.7796
32	0.949	-0.125661	31.5718	-8.89886
33	0.99	-0.0903606	31.5799	-8.98831
34	0.994	-0.0551734	31.583	-9.04316
35	1	-0.0200544	31.5834	-9.06321
36	1.01	0.0200544	31.5838	-9.04295
37	1.03	0.0551734	31.5868	-8.98613
38	1.033	0.0903606	31.595	-8.89278
39	1.16	0.125661	31.6108	-8.74702
40	1.184	0.161119	31.6367	-8.55625
41	1.19	0.196779	31.6755	-8.32208
42	1.19	0.232693	31.7296	-8.04518
43	1.24	0.268908	31.8019	-7.71173
44	1.25	0.305481	31.8952	-7.32988
45	1.28	0.342466	32.0125	-6.89153
46	1.39	0.379927	32.1569	-6.36343
47	1.39	0.417928	32.3315	-5.78251

48	1.42	0.459327	32.5425	-5.13026
49	1.44	0.498687	32.7912	-4.41215
50	1.45	0.538836	33.0815	-3.63084
51	1.71	0.579873	33.4178	-2.63926
52	1.783	0.621911	33.8046	-1.53039
53	1.8	0.665079	34.2469	-0.333249
54	1.84	0.709522	34.7503	0.972272
55	1.9	0.755415	35.321	2.40756
56	1.974	0.802956	35.9657	3.9926
57	2.24	0.852385	36.6923	5.90194
58	2.24	0.903992	37.5095	7.92688
59	2.337	0.958125	38.4275	10.166
60	2.55	1.01943	39.4667	12.7656
61	2.84	1.08032	40.6338	15.8337
62	3.08	1.1455	41.946	19.3618
63	3.24	1.21596	43.4245	23.3015
64	3.25	1.29303	45.0965	27.5039
65	3.478	1.37866	46.9972	32.2989
66	3.586	1.47579	49.1751	37.5911
67	3.743	1.58927	51.7009	43.5397
68	4.77	1.72793	54.6867	51.7819
69	5.74	1.91103	58.3387	62.7512
70	6.1	2.19728	63.1668	76.1547

Data Set Standard Deviation = 1.27809

Numerator = 5799.53

Denominator = 7119.73

W Statistic = 0.814572 = 5799.53 / 7119.73

5% Critical value of 0.967 exceeds 0.814572

Evidence of non-normality at 95% level of significance

1% Critical value of 0.953 exceeds 0.814572

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Radium Combined

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.773143

Overall Std Dev = 0.72011

Overall Total = 54.12

SS Groups = 6.96468

SS Total = 35.7806

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	6.96468	4	1.74117	3.92756
Error (within groups)	28.8159	65	0.443321	
Totals	35.7806	69		

95% F-Statistic = 2.44724

3.92756 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.0483357
6/22/2018	0.534364
7/19/2018	0.500664
8/22/2018	0.297664
9/19/2018	0.617664
10/18/2018	0.572336
11/20/2018	0.167336
12/20/2018	0.117336
11/21/2019	0.254336
6/25/2020	0.170664
11/17/2020	0.415664
5/26/2021	0.372336
11/17/2021	1.62234
4/8/2022	0.617664

Group: MW#03-1

Date	Residual
5/24/2018	0.571071
6/22/2018	1.31893
7/19/2018	1.30407
8/22/2018	4.33893
10/18/2018	1.07893
11/20/2018	0.952071
12/20/2018	0.0510714
3/26/2019	0.767071
11/21/2019	1.03207
6/25/2020	1.04607
11/17/2020	0.577071
5/26/2021	0.0789286
11/16/2021	0.212929
4/8/2022	0.728071

Group: MW#03-2

Date	Residual
5/24/2018	0.0562857
6/22/2018	1.07571
7/19/2018	1.36629
8/22/2018	0.668714
9/19/2018	0.843714
10/18/2018	0.244714
11/20/2018	0.206286
12/20/2018	0.173714
11/21/2019	0.789714
6/25/2020	0.234714
11/17/2020	2.40229
5/26/2021	0.773714
11/17/2021	0.379714
4/8/2022	1.15329

Group: MW#93-2

Date	Residual
5/24/2018	1.14757
6/22/2018	0.787571
7/19/2018	3.15243
8/22/2018	0.347571
9/19/2018	1.65257
10/18/2018	0.687571
11/20/2018	1.30757
12/20/2018	1.42757
11/21/2019	1.33757
6/25/2020	0.652429
11/16/2020	0.890429
5/26/2021	0.662429
11/17/2021	1.15543
4/8/2022	2.18243

Group: MW#93-3

Date	Residual
5/24/2018	0.424
6/22/2018	0.51
7/19/2018	0.327
8/22/2018	0.154
9/19/2018	0.546
10/18/2018	0.604
11/20/2018	0.574
12/20/2018	0.544
11/21/2019	0.184
6/25/2020	0.327
11/16/2020	0.146
5/26/2021	0.426
11/17/2021	0.937
4/8/2022	0.291

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Radium Combined

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 13

Maximum Baseline Concentration = 5.74

Confidence Level = 92.9%

False Positive Rate = 7.1%

Baseline Measurements	Date	Value
	5/24/2018	1.44
	6/22/2018	1.8
	7/19/2018	5.74
	8/22/2018	2.24
	9/19/2018	0.935
	10/18/2018	1.9
	11/20/2018	1.28
	12/20/2018	1.16
	11/21/2019	1.25
	6/25/2020	3.24
	11/16/2020	3.478
	5/26/2021	3.25
	11/17/2021	3.743

Date	Count	Mean	Significant
4/8/2022	1	4.77	FALSE

Concentrations (ppb)

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 70

Total Non-Detect: 62

Percent Non-Detects: 88.5714%

Total Background Measurements: 14

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	0.0144	0.0144
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			3/26/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	0.000522	0.000522
			5/26/2021	ND<0.002	ND<0.002
			11/16/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#03-2	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
11/17/2020	ND<0.002	ND<0.002			

			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#93-2	14	8 (57.1429%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	0.00621	0.00621
			6/25/2020	0.00129	0.00129
			11/16/2020	0.000834	0.000834
			5/26/2021	0.000649	0.000649
			11/17/2021	0.00102	0.00102
			4/8/2022	0.00112	0.00112
MW#93-3	14	14 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 251

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 57

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	57	0 (0%)	12/15/1994	54.7	54.7
			12/14/1995	51.9	51.9
			12/10/1996	51.6	51.6
			12/4/1997	51.2	51.2
			12/8/1998	47	47
			12/14/1999	64.4	64.4
			12/12/2000	100	100
			3/19/2002	112	112
			6/26/2002	95	95
			9/18/2002	78	78
			12/11/2002	83	83
			3/13/2003	94	94
			6/25/2003	113	113
			9/26/2003	84.6	84.6
			12/10/2003	98.1	98.1
			3/9/2004	95.4	95.4
			6/24/2004	94.7	94.7
			9/15/2004	71	71
			12/15/2004	92.3	92.3
			3/16/2005	86.3	86.3
			6/15/2005	77.4	77.4
			9/21/2005	92.8	92.8
			12/21/2005	81.9	81.9
			3/15/2006	99.7	99.7
			6/21/2006	82	82
			12/20/2006	85.1	85.1
			6/12/2007	74.9	74.9
			12/17/2007	81.8	81.8
			6/11/2008	56.5	56.5
			12/3/2008	75.2	75.2
			6/17/2009	67.4	67.4
			12/9/2009	76.9	76.9
			6/17/2010	55	55
			12/22/2010	70.5	70.5
			6/29/2011	55.4	55.4
			12/7/2011	69.1	69.1
			6/6/2012	55.6	55.6
			12/12/2012	58.9	58.9
			6/19/2013	70	70
			12/11/2013	72.9	72.9
			6/11/2014	56.5	56.5
			12/3/2014	69.4	69.4
			6/17/2015	69.7	69.7
			12/1/2015	57.5	57.5
			6/22/2016	66.9	66.9

12/20/2016	54.8	54.8
6/6/2017	58.4	58.4
11/7/2017	45.2	45.2
2/27/2018	59.6	59.6
9/27/2018	68.2	68.2
5/7/2019	124	124
11/21/2019	99.1	99.1
6/25/2020	130	130
11/17/2020	120	120
5/26/2021	112	112
11/17/2021	90.4	90.4
4/8/2022	84.8	84.8

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	58	0 (0%)	12/15/1994	2170	2170
			12/14/1995	2220	2220
			12/10/1996	2100	2100
			12/4/1997	2440	2440
			12/8/1998	2565	2565
			12/14/1999	2980	2980
			12/12/2000	2800	2800
			3/19/2002	2500	2500
			6/26/2002	2260	2260
			9/18/2002	2140	2140
			12/11/2002	2320	2320
			3/13/2003	2600	2600
			6/25/2003	1990	1990
			9/26/2003	1820	1820
			12/10/2003	1920	1920
			3/9/2004	2050	2050
			6/24/2004	2180	2180
			9/15/2004	1800	1800
			12/15/2004	2480	2480
			3/16/2005	2490	2490
			6/15/2005	2030	2030
			9/21/2005	2520	2520
			12/21/2005	2300	2300
			3/15/2006	2720	2720
			6/21/2006	2450	2450
			12/20/2006	2170	2170
			2/21/2007	2900	2900
			6/12/2007	1980	1980
			12/17/2007	2244	2244
			6/11/2008	2649	2649
			12/3/2008	2120	2120
			6/17/2009	2230	2230
			12/9/2009	2140	2140
			6/17/2010	2100	2100
			12/22/2010	2460	2460
			6/29/2011	2190	2190
			12/7/2011	2500	2500
			6/6/2012	2060	2060
			12/12/2012	2730	2730
			6/19/2013	2230	2230

12/11/2013	2290	2290
6/11/2014	1940	1940
12/3/2014	2730	2730
6/17/2015	270	270
5/25/2016	1890	1890
6/22/2016	2700	2700
12/20/2016	2400	2400
6/6/2017	2310	2310
11/7/2017	2750	2750
2/27/2018	2220	2220
9/27/2018	2660	2660
5/7/2019	2470	2470
11/21/2019	2500	2500
6/25/2020	2660	2660
11/16/2020	2800	2800
5/26/2021	2680	2680
11/17/2021	2560	2560
4/8/2022	2580	2580

MW#93-3	59	0 (0%)	12/15/1994	330	330
			12/14/1995	219	219
			12/10/1996	248	248
			12/4/1997	201	201
			12/8/1998	199	199
			12/14/1999	208	208
			12/12/2000	230	230
			12/18/2001	172	172
			3/19/2002	222	222
			6/26/2002	189	189
			9/18/2002	163	163
			12/11/2002	216	216
			3/13/2003	230	230
			6/25/2003	190	190
			9/26/2003	229	229
			12/10/2003	231	231
			3/9/2004	30.8	30.8
			6/24/2004	150	150
			9/15/2004	200	200
			12/15/2004	186	186
			3/16/2005	196	196
			6/15/2005	170	170
			9/21/2005	239	239
			12/21/2005	180	180
			3/15/2006	180	180
			6/21/2006	227	227
			12/20/2006	211	211
			6/12/2007	159	159
			12/17/2007	194	194
			6/11/2008	195	195
			12/3/2008	190	190
			6/17/2009	173	173
			12/9/2009	202	202
			6/17/2010	202	202
			12/22/2010	216	216
			6/29/2011	158	158
			12/7/2011	218	218
			6/6/2012	201	201

12/12/2012	168	168
6/19/2013	235	235
12/11/2013	234	234
6/11/2014	258	258
12/3/2014	220	220
6/17/2015	280	280
12/1/2015	339	339
6/22/2016	449	449
10/11/2016	368	368
12/20/2016	337	337
6/6/2017	301	301
11/7/2017	368	368
2/27/2018	272	272
9/27/2018	372	372
5/7/2019	412	412
11/21/2019	403	403
6/25/2020	376	376
11/16/2020	374	374
5/26/2021	355	355
11/17/2021	368	368
4/8/2022	354	354

MW#03-1	36	0 (0%)	6/24/2004	10.2	10.2
			9/15/2004	42	42
			12/15/2004	8.04	8.04
			3/16/2005	5.99	5.99
			6/15/2005	7.3	7.3
			9/21/2005	14.1	14.1
			12/20/2006	8	8
			6/12/2007	7.96	7.96
			12/17/2007	9.88	9.88
			6/11/2008	5.71	5.71
			12/3/2008	7.01	7.01
			6/17/2009	7.34	7.34
			12/9/2009	6.77	6.77
			6/17/2010	9.31	9.31
			12/22/2010	7.11	7.11
			6/29/2011	7.04	7.04
			12/7/2011	8.87	8.87
			6/6/2012	7.94	7.94
			6/19/2013	10.3	10.3
			12/11/2013	9.78	9.78
			6/11/2014	55.9	55.9
			12/3/2014	9.8	9.8
			6/17/2015	9.7	9.7
			12/1/2015	12	12
			6/22/2016	8.59	8.59
			12/20/2016	7.94	7.94
			6/6/2017	6.56	6.56
			11/7/2017	17.6	17.6
			2/27/2018	16.8	16.8
			5/7/2019	13.1	13.1
			11/21/2019	10.5	10.5
			6/25/2020	7.75	7.75
			11/17/2020	26.9	26.9
			5/26/2021	12.4	12.4
			11/16/2021	21	21

			4/8/2022	9.32	9.32
MW#03-2	41	0 (0%)	6/24/2004	47.4	47.4
			9/15/2004	8.7	8.7
			12/15/2004	51.3	51.3
			3/16/2005	47	47
			6/15/2005	42.8	42.8
			9/21/2005	52.6	52.6
			12/21/2005	46.5	46.5
			3/15/2006	50.4	50.4
			6/21/2006	44.9	44.9
			12/20/2006	50.5	50.5
			6/12/2007	47	47
			12/17/2007	50.2	50.2
			6/11/2008	33.8	33.8
			12/3/2008	54.4	54.4
			6/17/2009	48.2	48.2
			12/9/2009	47.3	47.3
			6/17/2010	52.9	52.9
			12/22/2010	51.7	51.7
			6/29/2011	51	51
			12/7/2011	60.1	60.1
			6/6/2012	52	52
			12/12/2012	61.3	61.3
			6/19/2013	57.3	57.3
			12/11/2013	54	54
			6/11/2014	9.78	9.78
			12/3/2014	68	68
			6/17/2015	66.3	66.3
			12/1/2015	63.8	63.8
			6/22/2016	76.8	76.8
			12/20/2016	80.2	80.2
			6/6/2017	96.8	96.8
			11/7/2017	120	120
			2/27/2018	104	104
			9/27/2018	128	128
			5/7/2019	138	138
			11/21/2019	166	166
			6/25/2020	165	165
			11/17/2020	162	162
			5/26/2021	166	166
			11/17/2021	169	169
			4/8/2022	161	161

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 57

Maximum Background Value = 130

Confidence Level = 93.4%

False Positive Rate = 6.6%

Location	Date	Count	Mean	Significant
MW#93-2	4/8/2022	1	2580	TRUE
MW#93-3	4/8/2022	1	354	TRUE
MW#03-1	4/8/2022	1	9.32	FALSE
MW#03-2	4/8/2022	1	161	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 56

Maximum Baseline Concentration = 169

Confidence Level = 98.2%

False Positive Rate = 1.8%

Baseline Measurements	Date	Value
	6/24/2004	47.4
	9/15/2004	8.7
	12/15/2004	51.3
	3/16/2005	47
	6/15/2005	42.8
	9/21/2005	52.6
	12/21/2005	46.5
	3/15/2006	50.4
	6/21/2006	44.9
	12/20/2006	50.5
	6/12/2007	47
	12/17/2007	50.2
	6/11/2008	33.8
	12/3/2008	54.4
	6/17/2009	48.2
	12/9/2009	47.3
	6/17/2010	52.9
	12/22/2010	51.7
	6/29/2011	51
	12/7/2011	60.1
	6/6/2012	52
	12/12/2012	61.3
	6/19/2013	57.3
	12/11/2013	54
	6/11/2014	9.78
	12/3/2014	68
	6/17/2015	66.3
	12/1/2015	63.8
	6/22/2016	76.8
	12/20/2016	80.2
	6/6/2017	96.8
	11/7/2017	120
	2/27/2018	104
	9/27/2018	128
	5/7/2019	138
	11/21/2019	166
	6/25/2020	165
	11/17/2020	162
	5/26/2021	166
	11/17/2021	169
	4/8/2022	161

Date	Count	Mean	Significant
4/8/2022	1	161	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 56

Maximum Baseline Concentration = 2980

Confidence Level = 98.2%

False Positive Rate = 1.8%

Baseline Measurements	Date	Value
	12/15/1994	2170
	12/14/1995	2220
	12/10/1996	2100
	12/4/1997	2440
	12/8/1998	2565
	12/14/1999	2980
	12/12/2000	2800
	3/19/2002	2500
	6/26/2002	2260
	9/18/2002	2140
	12/11/2002	2320
	3/13/2003	2600
	6/25/2003	1990
	9/26/2003	1820
	12/10/2003	1920
	3/9/2004	2050
	6/24/2004	2180
	9/15/2004	1800
	12/15/2004	2480
	3/16/2005	2490
	6/15/2005	2030
	9/21/2005	2520
	12/21/2005	2300
	3/15/2006	2720
	6/21/2006	2450
	12/20/2006	2170
	2/21/2007	2900
	6/12/2007	1980
	12/17/2007	2244
	6/11/2008	2649
	12/3/2008	2120
	6/17/2009	2230
	12/9/2009	2140
	6/17/2010	2100
	12/22/2010	2460
	6/29/2011	2190
	12/7/2011	2500
	6/6/2012	2060
	12/12/2012	2730
	6/19/2013	2230
	12/11/2013	2290
	6/11/2014	1940

12/3/2014	2730
6/17/2015	270
5/25/2016	1890
6/22/2016	2700
12/20/2016	2400
6/6/2017	2310
11/7/2017	2750
2/27/2018	2220
9/27/2018	2660
5/7/2019	2470
11/21/2019	2500
6/25/2020	2660
11/16/2020	2800
5/26/2021	2680

Date	Count	Mean	Significant
4/8/2022	1	2580	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 56

Maximum Baseline Concentration = 449

Confidence Level = 98.2%

False Positive Rate = 1.8%

Baseline Measurements	Date	Value
	12/15/1994	330
	12/14/1995	219
	12/10/1996	248
	12/4/1997	201
	12/8/1998	199
	12/14/1999	208
	12/12/2000	230
	12/18/2001	172
	3/19/2002	222
	6/26/2002	189
	9/18/2002	163
	12/11/2002	216
	3/13/2003	230
	6/25/2003	190
	9/26/2003	229
	12/10/2003	231
	3/9/2004	30.8
	6/24/2004	150
	9/15/2004	200
	12/15/2004	186
	3/16/2005	196
	6/15/2005	170
	9/21/2005	239
	12/21/2005	180
	3/15/2006	180
	6/21/2006	227
	12/20/2006	211
	6/12/2007	159
	12/17/2007	194
	6/11/2008	195
	12/3/2008	190
	6/17/2009	173
	12/9/2009	202
	6/17/2010	202
	12/22/2010	216
	6/29/2011	158
	12/7/2011	218
	6/6/2012	201
	12/12/2012	168
	6/19/2013	235
	12/11/2013	234
	6/11/2014	258

12/3/2014	220
6/17/2015	280
12/1/2015	339
6/22/2016	449
10/11/2016	368
12/20/2016	337
6/6/2017	301
11/7/2017	368
2/27/2018	272
9/27/2018	372
5/7/2019	412
11/21/2019	403
6/25/2020	376
11/16/2020	374

Date	Count	Mean	Significant
4/8/2022	1	354	FALSE

Shapiro-Francia Test of Normality

Parameter: Sodium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 251

i	x(i)	m(i)	sum(m²)	sum(mx)
1	5.71	-2.74777	7.55021	-15.6897
2	5.99	-2.45727	13.5884	-30.4088
3	6.56	-2.29036	18.8342	-45.4336
4	6.77	-2.17009	23.5435	-60.1251
5	7.01	-2.07485	27.8485	-74.6698
6	7.04	-1.99539	31.8301	-88.7174
7	7.11	-1.92684	35.5428	-102.417
8	7.3	-1.86629	39.0258	-116.041
9	7.34	-1.81191	42.3088	-129.341
10	7.75	-1.76241	45.4149	-142.999
11	7.94	-1.71688	48.3626	-156.631
12	7.94	-1.67466	51.1671	-169.928
13	7.96	-1.63524	53.8411	-182.945
14	8	-1.59819	56.3953	-195.73
15	8.04	-1.56322	58.839	-208.298
16	8.59	-1.53007	61.1801	-221.442
17	8.7	-1.49852	63.4256	-234.479
18	8.87	-1.46838	65.5818	-247.503
19	9.31	-1.43953	67.654	-260.905
20	9.32	-1.41183	69.6473	-274.064
21	9.7	-1.38517	71.566	-287.5
22	9.78	-1.35946	73.4141	-300.795
23	9.78	-1.33462	75.1954	-313.848
24	9.8	-1.31058	76.913	-326.692
25	9.88	-1.28727	78.57	-339.41
26	10.2	-1.26464	80.1694	-352.309
27	10.3	-1.24264	81.7135	-365.108
28	10.5	-1.22123	83.2049	-377.931
29	12	-1.20036	84.6458	-392.336
30	12.4	-1.18	86.0382	-406.968
31	13.1	-1.16012	87.3841	-422.165
32	14.1	-1.1455	88.6962	-438.317
33	16.8	-1.12639	89.965	-457.24
34	17.6	-1.10768	91.192	-476.735
35	21	-1.08935	92.3786	-499.612
36	26.9	-1.07138	93.5265	-528.432
37	30.8	-1.05375	94.6369	-560.887
38	33.8	-1.03643	95.7111	-595.919
39	42	-1.01943	96.7503	-638.735
40	42.8	-1.00271	97.7557	-681.651
41	44.9	-0.986272	98.7285	-725.934
42	45.2	-0.970094	99.6695	-769.782
43	46.5	-0.954165	100.58	-814.151
44	47	-0.938476	101.461	-858.259
45	47	-0.923014	102.313	-901.641
46	47	-0.907769	103.137	-944.306
47	47.3	-0.892733	103.934	-986.533

48	47.4	-0.877897	104.704	-1028.14
49	48.2	-0.863249	105.45	-1069.75
50	50.2	-0.848786	106.17	-1112.36
51	50.4	-0.834498	106.866	-1154.42
52	50.5	-0.820379	107.539	-1195.85
53	51	-0.806422	108.19	-1236.98
54	51.2	-0.792618	108.818	-1277.56
55	51.3	-0.778966	109.425	-1317.52
56	51.6	-0.765456	110.011	-1357.02
57	51.7	-0.752084	110.576	-1395.9
58	51.9	-0.738846	111.122	-1434.25
59	52	-0.725736	111.649	-1471.99
60	52.6	-0.712751	112.157	-1509.48
61	52.9	-0.699883	112.647	-1546.5
62	54	-0.687131	113.119	-1583.61
63	54.4	-0.67449	113.574	-1620.3
64	54.7	-0.665079	114.016	-1656.68
65	54.8	-0.652622	114.442	-1692.44
66	55	-0.640266	114.852	-1727.66
67	55.4	-0.628006	115.246	-1762.45
68	55.6	-0.615839	115.626	-1796.69
69	55.9	-0.603765	115.99	-1830.44
70	56.5	-0.591776	116.34	-1863.87
71	56.5	-0.579873	116.677	-1896.64
72	57.3	-0.568052	116.999	-1929.19
73	57.5	-0.556308	117.309	-1961.17
74	58.4	-0.544642	117.605	-1992.98
75	58.9	-0.533048	117.89	-2024.38
76	59.6	-0.521527	118.162	-2055.46
77	60.1	-0.510074	118.422	-2086.12
78	61.3	-0.498687	118.67	-2116.69
79	63.8	-0.487364	118.908	-2147.78
80	64.4	-0.476105	119.135	-2178.44
81	66.3	-0.464904	119.351	-2209.26
82	66.9	-0.453763	119.557	-2239.62
83	67.4	-0.442676	119.753	-2269.46
84	68	-0.431644	119.939	-2298.81
85	68.2	-0.420664	120.116	-2327.5
86	69.1	-0.409735	120.284	-2355.81
87	69.4	-0.398855	120.443	-2383.49
88	69.7	-0.388022	120.593	-2410.54
89	70	-0.377233	120.736	-2436.94
90	70.5	-0.36649	120.87	-2462.78
91	71	-0.355788	120.997	-2488.04
92	72.9	-0.345126	121.116	-2513.2
93	74.9	-0.334503	121.228	-2538.25
94	75.2	-0.323919	121.333	-2562.61
95	76.8	-0.316004	121.432	-2586.88
96	76.9	-0.305481	121.526	-2610.37
97	77.4	-0.294992	121.613	-2633.21
98	78	-0.284535	121.694	-2655.4
99	80.2	-0.27411	121.769	-2677.38
100	81.8	-0.263715	121.838	-2698.96
101	81.9	-0.253347	121.903	-2719.7
102	82	-0.243007	121.962	-2739.63
103	83	-0.232693	122.016	-2758.94
104	84.6	-0.222403	122.065	-2777.76

105	84.8	-0.212137	122.11	-2795.75
106	85.1	-0.201894	122.151	-2812.93
107	86.3	-0.191671	122.188	-2829.47
108	90.4	-0.181468	122.221	-2845.88
109	92.3	-0.171285	122.25	-2861.69
110	92.8	-0.161119	122.276	-2876.64
111	94	-0.150969	122.299	-2890.83
112	94.7	-0.140835	122.319	-2904.17
113	95	-0.130716	122.336	-2916.58
114	95.4	-0.12061	122.35	-2928.09
115	96.8	-0.110516	122.362	-2938.79
116	98.1	-0.100433	122.373	-2948.64
117	99.1	-0.0903606	122.381	-2957.6
118	99.7	-0.0802981	122.387	-2965.6
119	100	-0.0702426	122.392	-2972.63
120	104	-0.0601949	122.396	-2978.89
121	112	-0.0501541	122.398	-2984.5
122	112	-0.0401167	122.4	-2989
123	113	-0.0300838	122.401	-2992.4
124	120	-0.0200544	122.401	-2994.8
125	120	-0.0100272	122.401	-2996.01
126	124	0	122.401	-2996.01
127	128	0.0100272	122.401	-2994.72
128	130	0.0200544	122.402	-2992.11
129	138	0.0300838	122.403	-2987.96
130	150	0.0401167	122.404	-2981.95
131	158	0.0501541	122.407	-2974.02
132	159	0.0601949	122.41	-2964.45
133	161	0.0702426	122.415	-2953.14
134	162	0.0802981	122.422	-2940.13
135	163	0.0903606	122.43	-2925.4
136	165	0.100433	122.44	-2908.83
137	166	0.110516	122.452	-2890.49
138	166	0.12061	122.467	-2870.47
139	168	0.130716	122.484	-2848.51
140	169	0.140835	122.504	-2824.7
141	170	0.150969	122.527	-2799.04
142	172	0.161119	122.552	-2771.33
143	173	0.171285	122.582	-2741.69
144	180	0.181468	122.615	-2709.03
145	180	0.191671	122.652	-2674.53
146	186	0.201894	122.692	-2636.98
147	189	0.212137	122.737	-2596.88
148	190	0.222403	122.787	-2554.63
149	190	0.232693	122.841	-2510.42
150	194	0.243007	122.9	-2463.27
151	195	0.253347	122.964	-2413.87
152	196	0.263715	123.034	-2362.18
153	199	0.27411	123.109	-2307.63
154	200	0.284535	123.19	-2250.73
155	201	0.294992	123.277	-2191.43
156	201	0.305481	123.37	-2130.03
157	202	0.316004	123.47	-2066.2
158	202	0.323919	123.575	-2000.77
159	208	0.334503	123.687	-1931.19
160	211	0.345126	123.806	-1858.37
161	216	0.355788	123.932	-1781.52

162	216	0.36649	124.067	-1702.36
163	218	0.377233	124.209	-1620.12
164	219	0.388022	124.36	-1535.14
165	220	0.398855	124.519	-1447.39
166	222	0.409735	124.687	-1356.43
167	227	0.420664	124.864	-1260.94
168	229	0.431644	125.05	-1162.1
169	230	0.442676	125.246	-1060.28
170	230	0.453763	125.452	-955.915
171	231	0.464904	125.668	-848.522
172	234	0.476105	125.895	-737.114
173	235	0.487364	126.132	-622.583
174	239	0.498687	126.381	-503.397
175	248	0.510074	126.641	-376.898
176	258	0.521527	126.913	-242.344
177	270	0.533048	127.197	-98.4215
178	272	0.544642	127.494	49.7211
179	280	0.556308	127.803	205.487
180	301	0.568052	128.126	376.471
181	330	0.579873	128.462	567.829
182	337	0.591776	128.812	767.258
183	339	0.603765	129.177	971.934
184	354	0.615839	129.556	1189.94
185	355	0.628006	129.951	1412.88
186	368	0.640266	130.36	1648.5
187	368	0.652622	130.786	1888.67
188	368	0.665079	131.229	2133.42
189	372	0.67449	131.684	2384.33
190	374	0.687131	132.156	2641.31
191	376	0.699883	132.646	2904.47
192	403	0.712751	133.154	3191.71
193	412	0.725736	133.68	3490.71
194	449	0.738846	134.226	3822.45
195	1800	0.752084	134.792	5176.2
196	1820	0.765456	135.378	6569.33
197	1890	0.778966	135.985	8041.58
198	1920	0.792618	136.613	9563.41
199	1940	0.806422	137.263	11127.9
200	1980	0.820379	137.936	12752.2
201	1990	0.834498	138.633	14412.9
202	2030	0.848786	139.353	16135.9
203	2050	0.863249	140.098	17905.6
204	2060	0.877897	140.869	19714
205	2100	0.892733	141.666	21588.8
206	2100	0.907769	142.49	23495.1
207	2120	0.923014	143.342	25451.9
208	2140	0.938476	144.223	27460.2
209	2140	0.954165	145.133	29502.1
210	2170	0.970094	146.074	31607.2
211	2170	0.986272	147.047	33747.4
212	2180	1.00271	148.052	35933.3
213	2190	1.01943	149.091	38165.9
214	2220	1.03643	150.166	40466.8
215	2220	1.05375	151.276	42806.1
216	2230	1.07138	152.424	45195.3
217	2230	1.08935	153.611	47624.5
218	2244	1.10768	154.838	50110.1

219	2260	1.12639	156.106	52655.8
220	2290	1.1455	157.418	55279
221	2300	1.16012	158.764	57947.3
222	2310	1.18	160.157	60673.1
223	2320	1.20036	161.598	63457.9
224	2400	1.22123	163.089	66388.9
225	2440	1.24264	164.633	69420.9
226	2450	1.26464	166.233	72519.3
227	2460	1.28727	167.89	75686
228	2470	1.31058	169.607	78923.1
229	2480	1.33462	171.388	82233
230	2490	1.35946	173.237	85618
231	2500	1.38517	175.155	89081
232	2500	1.41183	177.149	92610.5
233	2500	1.43953	179.221	96209.4
234	2520	1.46838	181.377	99909.7
235	2560	1.49852	183.622	103746
236	2565	1.53007	185.964	107671
237	2580	1.56322	188.407	111704
238	2600	1.59819	190.961	115859
239	2649	1.63524	193.635	120191
240	2660	1.67466	196.44	124645
241	2660	1.71688	199.388	129212
242	2680	1.76241	202.494	133935
243	2700	1.81191	205.777	138828
244	2720	1.86629	209.26	143904
245	2730	1.92684	212.972	149164
246	2730	1.99539	216.954	154612
247	2750	2.07485	221.259	160317
248	2800	2.17009	225.968	166394
249	2800	2.29036	231.214	172807
250	2900	2.45727	237.252	179933
251	2980	2.74777	244.803	188121

Data Set Standard Deviation = 957.161
 Numerator = 3.53896e+010
 Denominator = 5.60694e+010
 W Statistic = 0.631174 = 3.53896e+010 / 5.60694e+010

5% Critical value of 0.976 exceeds 0.631174
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.631174
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 90.7499

Overall Std Dev = 173.029

Overall Total = 22778.2

SS Groups = 2.80637e+006

SS Total = 7.48475e+006

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.80637e+006	4	701593	36.8914
Error (within groups)	4.67838e+006	246	19017.8	
Totals	7.48475e+006	250		

95% F-Statistic = 2.37

36.8914 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	23.2596
	12/14/1995	26.0596
	12/10/1996	26.3596
	12/4/1997	26.7596
	12/8/1998	30.9596
	12/14/1999	13.5596
	12/12/2000	22.0404
	3/19/2002	34.0404
	6/26/2002	17.0404
	9/18/2002	0.0403509
	12/11/2002	5.04035
	3/13/2003	16.0404
	6/25/2003	35.0404
	9/26/2003	6.64035
	12/10/2003	20.1404
	3/9/2004	17.4404
	6/24/2004	16.7404
	9/15/2004	6.95965
	12/15/2004	14.3404
	3/16/2005	8.34035
	6/15/2005	0.559649
	9/21/2005	14.8404
	12/21/2005	3.94035
	3/15/2006	21.7404
	6/21/2006	4.04035
	12/20/2006	7.14035
	6/12/2007	3.05965
	12/17/2007	3.84035
	6/11/2008	21.4596
	12/3/2008	2.75965

6/17/2009	10.5596
12/9/2009	1.05965
6/17/2010	22.9596
12/22/2010	7.45965
6/29/2011	22.5596
12/7/2011	8.85965
6/6/2012	22.3596
12/12/2012	19.0596
6/19/2013	7.95965
12/11/2013	5.05965
6/11/2014	21.4596
12/3/2014	8.55965
6/17/2015	8.25965
12/1/2015	20.4596
6/22/2016	11.0596
12/20/2016	23.1596
6/6/2017	19.5596
11/7/2017	32.7596
2/27/2018	18.3596
9/27/2018	9.75965
5/7/2019	46.0404
11/21/2019	21.1404
6/25/2020	52.0404
11/17/2020	42.0404
5/26/2021	34.0404
11/17/2021	12.4404
4/8/2022	6.84035

Group: MW#93-2

Date	Residual
12/15/1994	156.862
12/14/1995	106.862
12/10/1996	226.862
12/4/1997	113.138
12/8/1998	238.138
12/14/1999	653.138
12/12/2000	473.138
3/19/2002	173.138
6/26/2002	66.8621
9/18/2002	186.862
12/11/2002	6.86207
3/13/2003	273.138
6/25/2003	336.862
9/26/2003	506.862
12/10/2003	406.862
3/9/2004	276.862
6/24/2004	146.862
9/15/2004	526.862
12/15/2004	153.138
3/16/2005	163.138
6/15/2005	296.862
9/21/2005	193.138
12/21/2005	26.8621
3/15/2006	393.138
6/21/2006	123.138
12/20/2006	156.862
2/21/2007	573.138
6/12/2007	346.862

12/17/2007	82.8621
6/11/2008	322.138
12/3/2008	206.862
6/17/2009	96.8621
12/9/2009	186.862
6/17/2010	226.862
12/22/2010	133.138
6/29/2011	136.862
12/7/2011	173.138
6/6/2012	266.862
12/12/2012	403.138
6/19/2013	96.8621
12/11/2013	36.8621
6/11/2014	386.862
12/3/2014	403.138
6/17/2015	2056.86
5/25/2016	436.862
6/22/2016	373.138
12/20/2016	73.1379
6/6/2017	16.8621
11/7/2017	423.138
2/27/2018	106.862
9/27/2018	333.138
5/7/2019	143.138
11/21/2019	173.138
6/25/2020	333.138
11/16/2020	473.138
5/26/2021	353.138
11/17/2021	233.138
4/8/2022	253.138

Group: MW#93-3

Date	Residual
12/15/1994	85.9695
12/14/1995	25.0305
12/10/1996	3.96949
12/4/1997	43.0305
12/8/1998	45.0305
12/14/1999	36.0305
12/12/2000	14.0305
12/18/2001	72.0305
3/19/2002	22.0305
6/26/2002	55.0305
9/18/2002	81.0305
12/11/2002	28.0305
3/13/2003	14.0305
6/25/2003	54.0305
9/26/2003	15.0305
12/10/2003	13.0305
3/9/2004	213.231
6/24/2004	94.0305
9/15/2004	44.0305
12/15/2004	58.0305
3/16/2005	48.0305
6/15/2005	74.0305
9/21/2005	5.03051
12/21/2005	64.0305
3/15/2006	64.0305

6/21/2006	17.0305
12/20/2006	33.0305
6/12/2007	85.0305
12/17/2007	50.0305
6/11/2008	49.0305
12/3/2008	54.0305
6/17/2009	71.0305
12/9/2009	42.0305
6/17/2010	42.0305
12/22/2010	28.0305
6/29/2011	86.0305
12/7/2011	26.0305
6/6/2012	43.0305
12/12/2012	76.0305
6/19/2013	9.03051
12/11/2013	10.0305
6/11/2014	13.9695
12/3/2014	24.0305
6/17/2015	35.9695
12/1/2015	94.9695
6/22/2016	204.969
10/11/2016	123.969
12/20/2016	92.9695
6/6/2017	56.9695
11/7/2017	123.969
2/27/2018	27.9695
9/27/2018	127.969
5/7/2019	167.969
11/21/2019	158.969
6/25/2020	131.969
11/16/2020	129.969
5/26/2021	110.969
11/17/2021	123.969
4/8/2022	109.969

Group: MW#03-1

Date	Residual
6/24/2004	2.20306
9/15/2004	29.5969
12/15/2004	4.36306
3/16/2005	6.41306
6/15/2005	5.10306
9/21/2005	1.69694
12/20/2006	4.40306
6/12/2007	4.44306
12/17/2007	2.52306
6/11/2008	6.69306
12/3/2008	5.39306
6/17/2009	5.06306
12/9/2009	5.63306
6/17/2010	3.09306
12/22/2010	5.29306
6/29/2011	5.36306
12/7/2011	3.53306
6/6/2012	4.46306
6/19/2013	2.10306
12/11/2013	2.62306
6/11/2014	43.4969

12/3/2014	2.60306
6/17/2015	2.70306
12/1/2015	0.403056
6/22/2016	3.81306
12/20/2016	4.46306
6/6/2017	5.84306
11/7/2017	5.19694
2/27/2018	4.39694
5/7/2019	0.696944
11/21/2019	1.90306
6/25/2020	4.65306
11/17/2020	14.4969
5/26/2021	0.00305556
11/16/2021	8.59694
4/8/2022	3.08306

Group: MW#03-2

Date	Residual
6/24/2004	28.3068
9/15/2004	67.0068
12/15/2004	24.4068
3/16/2005	28.7068
6/15/2005	32.9068
9/21/2005	23.1068
12/21/2005	29.2068
3/15/2006	25.3068
6/21/2006	30.8068
12/20/2006	25.2068
6/12/2007	28.7068
12/17/2007	25.5068
6/11/2008	41.9068
12/3/2008	21.3068
6/17/2009	27.5068
12/9/2009	28.4068
6/17/2010	22.8068
12/22/2010	24.0068
6/29/2011	24.7068
12/7/2011	15.6068
6/6/2012	23.7068
12/12/2012	14.4068
6/19/2013	18.4068
12/11/2013	21.7068
6/11/2014	65.9268
12/3/2014	7.70683
6/17/2015	9.40683
12/1/2015	11.9068
6/22/2016	1.09317
12/20/2016	4.49317
6/6/2017	21.0932
11/7/2017	44.2932
2/27/2018	28.2932
9/27/2018	52.2932
5/7/2019	62.2932
11/21/2019	90.2932
6/25/2020	89.2932
11/17/2020	86.2932
5/26/2021	90.2932
11/17/2021	93.2932

4/8/2022

85.2932

Concentrations (ppb)

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 309

Total Non-Detect: 8

Percent Non-Detects: 2.589%

Total Background Measurements: 77

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	77	0 (0%)	12/15/1994	195	195
			3/14/1995	275	275
			6/21/1995	750	750
			12/14/1995	320	320
			3/6/1996	215	215
			4/25/1996	272	272
			10/2/1996	300	300
			12/10/1996	260	260
			3/11/1997	278	278
			4/15/1997	250	250
			8/14/1997	320	320
			12/4/1997	360	360
			3/31/1998	230	230
			6/23/1998	500	500
			8/11/1998	350	350
			12/8/1998	270	270
			3/9/1999	290	290
			6/8/1999	408	408
			8/19/1999	388	388
			12/14/1999	310	310
			3/7/2000	373	373
			6/23/2000	410	410
			12/12/2000	420	420
			3/27/2001	350	350
			6/28/2001	425	425
			9/10/2001	390	390
			12/18/2001	390	390
			3/19/2002	425	425
			6/26/2002	420	420
			9/18/2002	517	517
			12/11/2002	430	430
			3/13/2003	450	450
			6/25/2003	434	434
			9/26/2003	460	460
			12/10/2003	470	470
			3/9/2004	444	444
			6/24/2004	500	500
			9/15/2004	475	475
			12/15/2004	558	558
			3/16/2005	880	880
			6/15/2005	22	22
			9/21/2005	467	467
			12/21/2005	475	475
			3/15/2006	375	375
			6/21/2006	420	420

12/20/2006	330	330
6/12/2007	260	260
12/17/2007	300	300
6/11/2008	375	375
12/3/2008	340	340
6/17/2009	240	240
12/9/2009	160	160
6/17/2010	290	290
12/22/2010	304	304
6/29/2011	306	306
12/7/2011	255	255
6/6/2012	275	275
12/12/2012	301	301
6/19/2013	409	409
12/11/2013	306	306
6/11/2014	316	316
12/3/2014	292	292
6/17/2015	286	286
12/1/2015	299	299
6/22/2016	250	250
12/20/2016	275	275
6/6/2017	265	265
11/7/2017	281	281
2/27/2018	299	299
9/27/2018	305	305
5/7/2019	275	275
11/21/2019	299	299
6/25/2020	346	346
11/17/2020	346	346
5/26/2021	400	400
11/17/2021	504	504
4/8/2022	452	452

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	36	0 (0%)	6/24/2004	42	42
			9/15/2004	76	76
			12/15/2004	62	62
			3/16/2005	22	22
			6/15/2005	23	23
			9/21/2005	17	17
			12/20/2006	55	55
			6/12/2007	88	88
			12/17/2007	120	120
			6/11/2008	23	23
			12/3/2008	90	90
			6/17/2009	21	21
			12/9/2009	15	15
			6/17/2010	16	16
			12/22/2010	22.9	22.9
			6/29/2011	21.6	21.6
			12/7/2011	18.1	18.1
			6/6/2012	14.3	14.3
			6/19/2013	16.2	16.2
			12/11/2013	29.1	29.1

6/11/2014	127	127
12/3/2014	19.7	19.7
6/17/2015	7.86	7.86
12/1/2015	12.1	12.1
6/22/2016	10.3	10.3
12/20/2016	30.9	30.9
6/6/2017	8.92	8.92
11/7/2017	14.4	14.4
2/27/2018	12.6	12.6
5/7/2019	12.2	12.2
11/21/2019	184	184
6/25/2020	6.2	6.2
11/17/2020	18.9	18.9
5/26/2021	5.27	5.27
11/16/2021	9.03	9.03
4/8/2022	2.92	2.92

MW#03-2 40 0 (0%)

6/24/2004	72	72
9/15/2004	32	32
12/15/2004	54	54
3/16/2005	78	78
6/15/2005	23	23
9/21/2005	80	80
12/21/2005	72	72
3/15/2006	30	30
12/20/2006	34	34
6/12/2007	68	68
12/17/2007	130	130
6/11/2008	67	67
12/3/2008	210	210
6/17/2009	84	84
12/9/2009	80	80
6/17/2010	106	106
12/22/2010	98.9	98.9
6/29/2011	101	101
12/7/2011	98.8	98.8
6/6/2012	107	107
12/12/2012	111	111
6/19/2013	113	113
12/11/2013	106	106
6/11/2014	10.3	10.3
12/3/2014	158	158
6/17/2015	179	179
12/1/2015	197	197
6/22/2016	254	254
12/20/2016	451	451
6/6/2017	332	332
11/7/2017	516	516
2/27/2018	468	468
9/27/2018	426	426
5/7/2019	29.6	29.6
11/21/2019	394	394
6/25/2020	409	409
11/17/2020	377	377
5/26/2021	421	421
11/17/2021	457	457
4/8/2022	371	371

MW#93-2	79	0 (0%)	12/15/1994	2000	2000
			3/14/1995	1550	1550
			6/21/1995	185	185
			12/14/1995	2367	2367
			3/6/1996	2150	2150
			4/25/1996	2000	2000
			10/2/1996	3267	3267
			12/10/1996	4000	4000
			3/11/1997	1700	1700
			4/15/1997	1500	1500
			8/14/1997	3650	3650
			12/4/1997	4300	4300
			3/31/1998	2500	2500
			6/23/1998	3250	3250
			8/11/1998	3050	3050
			12/8/1998	3050	3050
			3/9/1999	3600	3600
			6/8/1999	3150	3150
			8/19/1999	1897	1897
			12/14/1999	2500	2500
			3/7/2000	3400	3400
			6/23/2000	3400	3400
			12/12/2000	3000	3000
			3/27/2001	2133	2133
			6/28/2001	2750	2750
			9/10/2001	2650	2650
			12/18/2001	2950	2950
			3/19/2002	2967	2967
			6/26/2002	3050	3050
			9/18/2002	2900	2900
			12/11/2002	2933	2933
			3/13/2003	2900	2900
			6/25/2003	2700	2700
			9/26/2003	2767	2767
			12/10/2003	2700	2700
			3/9/2004	2550	2550
			6/24/2004	2650	2650
			9/15/2004	2700	2700
			12/15/2004	2950	2950
			3/16/2005	3200	3200
			6/15/2005	2650	2650
			9/21/2005	3200	3200
			12/21/2005	3200	3200
			3/15/2006	3000	3000
			6/21/2006	2700	2700
			12/20/2006	2500	2500
			2/21/2007	1900	1900
			6/12/2007	2400	2400
			12/17/2007	3100	3100
			6/11/2008	2350	2350
			12/3/2008	3300	3300
			12/15/2008	2400	2400
			6/17/2009	2300	2300
			12/9/2009	2200	2200
			6/17/2010	2900	2900
			12/22/2010	3460	3460

6/29/2011	2630	2630
12/7/2011	2520	2520
6/6/2012	2360	2360
12/12/2012	3240	3240
6/19/2013	2510	2510
12/11/2013	2460	2460
6/11/2014	2790	2790
12/3/2014	2940	2940
6/17/2015	114	114
12/1/2015	3600	3600
6/22/2016	2620	2620
12/20/2016	3800	3800
6/6/2017	3630	3630
11/7/2017	4340	4340
2/27/2018	3870	3870
9/27/2018	3680	3680
5/7/2019	3890	3890
11/21/2019	12.4	12.4
6/25/2020	523	523
11/16/2020	5040	5040
5/26/2021	5100	5100
11/17/2021	5940	5940
4/8/2022	4920	4920

MW#93-3	77	8 (10.3896%)	12/15/1994	ND<10	ND<10
			3/14/1995	ND<10	ND<10
			6/21/1995	10	10
			12/14/1995	ND<10	ND<10
			3/6/1996	10	10
			4/25/1996	ND<10	ND<10
			10/2/1996	11	11
			12/10/1996	10	10
			3/11/1997	12	12
			4/15/1997	15	15
			8/14/1997	11	11
			12/4/1997	8	8
			3/31/1998	45	45
			6/23/1998	4	4
			8/11/1998	9	9
			12/8/1998	2	2
			3/9/1999	ND<10	ND<10
			6/8/1999	3	3
			8/19/1999	ND<10	ND<10
			12/14/1999	ND<10	ND<10
			3/7/2000	13	13
			6/23/2000	14	14
			12/12/2000	7	7
			3/27/2001	3	3
			6/28/2001	ND<10	ND<10
			9/10/2001	20	20
			12/18/2001	19	19
			3/19/2002	8	8
			6/26/2002	8	8
			9/18/2002	8	8
			12/11/2002	6	6
			3/13/2003	18	18
			6/25/2003	13	13

9/26/2003	16	16
12/10/2003	34	34
3/9/2004	130	130
6/24/2004	24	24
9/15/2004	17	17
12/15/2004	26	26
3/16/2005	29	29
6/15/2005	26	26
9/21/2005	19	19
12/21/2005	23	23
3/15/2006	19	19
6/21/2006	21	21
12/20/2006	42	42
6/12/2007	3	3
12/17/2007	28	28
6/11/2008	27	27
12/3/2008	11	11
6/17/2009	16	16
12/9/2009	12	12
6/17/2010	45	45
12/22/2010	25.8	25.8
6/29/2011	34.2	34.2
12/7/2011	37.4	37.4
6/6/2012	38.3	38.3
12/12/2012	25.8	25.8
6/19/2013	61.6	61.6
12/11/2013	26.5	26.5
6/11/2014	56.2	56.2
12/3/2014	36	36
6/17/2015	109	109
12/1/2015	81	81
6/22/2016	58.5	58.5
12/20/2016	66.6	66.6
6/6/2017	18.2	18.2
11/7/2017	80.3	80.3
2/27/2018	64.2	64.2
9/27/2018	75.8	75.8
5/7/2019	105	105
11/21/2019	4010	4010
6/25/2020	328	328
11/16/2020	258	258
5/26/2021	226	226
11/17/2021	286	286
4/8/2022	202	202

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 2.589%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 77

Maximum Background Value = 880

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	2.92	FALSE
MW#03-2	4/8/2022	1	371	FALSE
MW#93-2	4/8/2022	1	4920	TRUE
MW#93-3	4/8/2022	1	202	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 78

Maximum Baseline Concentration = 5940

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	2000
	3/14/1995	1550
	6/21/1995	185
	12/14/1995	2367
	3/6/1996	2150
	4/25/1996	2000
	10/2/1996	3267
	12/10/1996	4000
	3/11/1997	1700
	4/15/1997	1500
	8/14/1997	3650
	12/4/1997	4300
	3/31/1998	2500
	6/23/1998	3250
	8/11/1998	3050
	12/8/1998	3050
	3/9/1999	3600
	6/8/1999	3150
	8/19/1999	1897
	12/14/1999	2500
	3/7/2000	3400
	6/23/2000	3400
	12/12/2000	3000
	3/27/2001	2133
	6/28/2001	2750
	9/10/2001	2650
	12/18/2001	2950
	3/19/2002	2967
	6/26/2002	3050
	9/18/2002	2900
	12/11/2002	2933
	3/13/2003	2900
	6/25/2003	2700
	9/26/2003	2767
	12/10/2003	2700
	3/9/2004	2550
	6/24/2004	2650
	9/15/2004	2700
	12/15/2004	2950
	3/16/2005	3200
	6/15/2005	2650
	9/21/2005	3200

12/21/2005	3200
3/15/2006	3000
6/21/2006	2700
12/20/2006	2500
2/21/2007	1900
6/12/2007	2400
12/17/2007	3100
6/11/2008	2350
12/3/2008	3300
12/15/2008	2400
6/17/2009	2300
12/9/2009	2200
6/17/2010	2900
12/22/2010	3460
6/29/2011	2630
12/7/2011	2520
6/6/2012	2360
12/12/2012	3240
6/19/2013	2510
12/11/2013	2460
6/11/2014	2790
12/3/2014	2940
6/17/2015	114
12/1/2015	3600
6/22/2016	2620
12/20/2016	3800
6/6/2017	3630
11/7/2017	4340
2/27/2018	3870
9/27/2018	3680
5/7/2019	3890
11/21/2019	12.4
6/25/2020	523
11/16/2020	5040
5/26/2021	5100
11/17/2021	5940

Date	Count	Mean	Significant
4/8/2022	1	4920	FALSE

Shapiro-Francia Test of Normality

Parameter: Sulfate

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 309

i	x(i)	m(i)	sum(m²)	sum(mx)
1	2	-2.74777	7.55021	-5.49553
2	2.92	-2.51213	13.861	-12.831
3	3	-2.36561	19.4572	-19.9278
4	3	-2.25713	24.5518	-26.6992
5	3	-2.14441	29.1503	-33.1324
6	4	-2.07485	33.4553	-41.4318
7	5.27	-2.01409	37.5118	-52.0461
8	6	-1.95996	41.3533	-63.8058
9	6.2	-1.8957	44.947	-75.5592
10	7	-1.85218	48.3775	-88.5244
11	7.86	-1.81191	51.6605	-102.766
12	8	-1.77438	54.809	-116.961
13	8	-1.7392	57.8338	-130.875
14	8	-1.6954	60.7082	-144.438
15	8	-1.66456	63.4789	-157.754
16	8.92	-1.63524	66.1529	-172.341
17	9	-1.60725	68.7362	-186.806
18	9.03	-1.57179	71.2067	-200.999
19	10	-1.54643	73.5981	-216.463
20	10	-1.52203	75.9147	-231.684
21	10	-1.49852	78.1603	-246.669
22	10	-1.47579	80.3382	-261.427
23	10	-1.44663	82.431	-275.893
24	10	-1.42554	84.4632	-290.149
25	10	-1.40507	86.4374	-304.199
26	10	-1.38517	88.3561	-318.051
27	10	-1.35946	90.2042	-331.646
28	10	-1.34075	92.0019	-345.053
29	10	-1.32251	93.7509	-358.278
30	10.3	-1.30469	95.4531	-371.717
31	10.3	-1.28155	97.0955	-384.917
32	11	-1.26464	98.6948	-398.828
33	11	-1.24809	100.252	-412.557
34	11	-1.23187	101.77	-426.107
35	12	-1.21596	103.249	-440.699
36	12	-1.19522	104.677	-455.041
37	12.1	-1.18	106.069	-469.319
38	12.2	-1.16505	107.427	-483.533
39	12.4	-1.15035	108.75	-497.797
40	12.6	-1.13113	110.03	-512.049
41	13	-1.11699	111.277	-526.57
42	13	-1.10306	112.494	-540.91
43	14	-1.08935	113.681	-556.161
44	14.3	-1.07584	114.838	-571.545
45	14.4	-1.05812	115.958	-586.782
46	15	-1.04505	117.05	-602.458
47	15	-1.03215	118.115	-617.94

48	16	-1.01943	119.154	-634.251
49	16	-1.00271	120.16	-650.295
50	16	-0.990356	121.141	-666.14
51	16.2	-0.97815	122.097	-681.986
52	17	-0.966088	123.031	-698.41
53	17	-0.954165	123.941	-714.631
54	18	-0.938476	124.822	-731.523
55	18.1	-0.926859	125.681	-748.299
56	18.2	-0.915365	126.519	-764.959
57	18.9	-0.903992	127.336	-782.045
58	19	-0.889006	128.126	-798.936
59	19	-0.877897	128.897	-815.616
60	19	-0.866894	129.649	-832.087
61	19.7	-0.855996	130.381	-848.95
62	20	-0.841621	131.09	-865.782
63	21	-0.830953	131.78	-883.232
64	21	-0.820379	132.453	-900.46
65	21.6	-0.809896	133.109	-917.954
66	22	-0.7995	133.748	-935.543
67	22	-0.785774	134.366	-952.83
68	22.9	-0.775574	134.967	-970.591
69	23	-0.765456	135.553	-988.196
70	23	-0.755415	136.124	-1005.57
71	23	-0.742143	136.675	-1022.64
72	23	-0.732275	137.211	-1039.48
73	24	-0.722479	137.733	-1056.82
74	25.8	-0.712751	138.241	-1075.21
75	25.8	-0.703089	138.735	-1093.35
76	26	-0.690309	139.212	-1111.3
77	26	-0.680797	139.675	-1129
78	26.5	-0.671346	140.126	-1146.79
79	27	-0.661955	140.564	-1164.66
80	28	-0.649522	140.986	-1182.85
81	29	-0.640266	141.396	-1201.42
82	29.1	-0.631062	141.794	-1219.78
83	29.6	-0.621911	142.181	-1238.19
84	30	-0.612813	142.556	-1256.57
85	30.9	-0.60076	142.917	-1275.14
86	32	-0.591776	143.268	-1294.07
87	34	-0.582841	143.607	-1313.89
88	34	-0.573953	143.937	-1333.41
89	34.2	-0.56217	144.253	-1352.63
90	36	-0.553384	144.559	-1372.55
91	37.4	-0.544642	144.856	-1392.92
92	38.3	-0.53594	145.143	-1413.45
93	42	-0.524401	145.418	-1435.47
94	42	-0.515791	145.684	-1457.14
95	45	-0.507221	145.941	-1479.96
96	45	-0.498687	146.19	-1502.4
97	54	-0.490189	146.43	-1528.87
98	55	-0.478914	146.659	-1555.21
99	56.2	-0.470498	146.881	-1581.66
100	58.5	-0.462114	147.094	-1608.69
101	61.6	-0.453763	147.3	-1636.64
102	62	-0.442676	147.496	-1664.09
103	64.2	-0.434397	147.685	-1691.98
104	66.6	-0.426148	147.867	-1720.36

105	67	-0.417928	148.041	-1748.36
106	68	-0.409735	148.209	-1776.22
107	72	-0.398855	148.368	-1804.94
108	72	-0.390726	148.521	-1833.07
109	75.8	-0.382622	148.667	-1862.07
110	76	-0.374544	148.808	-1890.54
111	78	-0.363809	148.94	-1918.92
112	80	-0.355788	149.066	-1947.38
113	80	-0.347787	149.187	-1975.2
114	80.3	-0.33981	149.303	-2002.49
115	81	-0.331854	149.413	-2029.37
116	84	-0.321278	149.516	-2056.36
117	88	-0.31337	149.614	-2083.93
118	90	-0.305481	149.708	-2111.43
119	98.8	-0.297612	149.796	-2140.83
120	98.9	-0.287147	149.879	-2169.23
121	101	-0.279319	149.957	-2197.44
122	105	-0.271509	150.031	-2225.95
123	106	-0.263715	150.1	-2253.9
124	106	-0.253347	150.164	-2280.76
125	107	-0.24559	150.225	-2307.03
126	109	-0.237847	150.281	-2332.96
127	111	-0.230118	150.334	-2358.5
128	113	-0.222403	150.384	-2383.63
129	114	-0.212137	150.429	-2407.82
130	120	-0.204452	150.47	-2432.35
131	127	-0.196779	150.509	-2457.34
132	130	-0.189118	150.545	-2481.93
133	130	-0.17892	150.577	-2505.19
134	158	-0.171285	150.606	-2532.25
135	160	-0.163659	150.633	-2558.44
136	179	-0.156042	150.657	-2586.37
137	184	-0.148434	150.679	-2613.68
138	185	-0.138305	150.699	-2639.27
139	195	-0.130716	150.716	-2664.76
140	197	-0.123135	150.731	-2689.01
141	202	-0.115562	150.744	-2712.36
142	210	-0.105474	150.755	-2734.51
143	215	-0.0979139	150.765	-2755.56
144	226	-0.0903606	150.773	-2775.98
145	230	-0.0828129	150.78	-2795.03
146	240	-0.0752698	150.786	-2813.09
147	250	-0.0652187	150.79	-2829.4
148	250	-0.0576847	150.793	-2843.82
149	254	-0.0501541	150.796	-2856.56
150	255	-0.0426257	150.797	-2867.43
151	258	-0.0325917	150.798	-2875.83
152	260	-0.0250691	150.799	-2882.35
153	260	-0.0175476	150.799	-2886.91
154	265	-0.0100272	150.8	-2889.57
155	270	0	150.8	-2889.57
156	272	0.0100272	150.8	-2886.84
157	275	0.0175476	150.8	-2882.02
158	275	0.0250691	150.801	-2875.13
159	275	0.0325917	150.802	-2866.16
160	275	0.0426257	150.803	-2854.44
161	278	0.0501541	150.806	-2840.5

162	281	0.0576847	150.809	-2824.29
163	286	0.0652187	150.814	-2805.64
164	286	0.0752698	150.819	-2784.11
165	290	0.0828129	150.826	-2760.09
166	290	0.0903606	150.834	-2733.89
167	292	0.0979139	150.844	-2705.3
168	299	0.105474	150.855	-2673.76
169	299	0.115562	150.868	-2639.21
170	299	0.123135	150.883	-2602.39
171	300	0.130716	150.901	-2563.18
172	300	0.138305	150.92	-2521.68
173	301	0.148434	150.942	-2477.01
174	304	0.156042	150.966	-2429.57
175	305	0.163659	150.993	-2379.65
176	306	0.171285	151.022	-2327.24
177	306	0.17892	151.054	-2272.49
178	310	0.189118	151.09	-2213.86
179	316	0.196779	151.129	-2151.68
180	320	0.204452	151.17	-2086.26
181	320	0.212137	151.215	-2018.37
182	328	0.222403	151.265	-1945.42
183	330	0.230118	151.318	-1869.48
184	332	0.237847	151.374	-1790.52
185	340	0.24559	151.435	-1707.02
186	346	0.253347	151.499	-1619.36
187	346	0.263715	151.569	-1528.12
188	350	0.271509	151.642	-1433.09
189	350	0.279319	151.72	-1335.33
190	360	0.287147	151.803	-1231.95
191	371	0.297612	151.891	-1121.54
192	373	0.305481	151.985	-1007.59
193	375	0.31337	152.083	-890.081
194	375	0.321278	152.186	-769.602
195	377	0.331854	152.296	-644.493
196	388	0.33981	152.412	-512.647
197	390	0.347787	152.533	-377.01
198	390	0.355788	152.659	-238.252
199	394	0.363809	152.792	-94.9116
200	400	0.374544	152.932	54.9058
201	408	0.382622	153.078	211.016
202	409	0.390726	153.231	370.822
203	409	0.398855	153.39	533.954
204	410	0.409735	153.558	701.946
205	420	0.417928	153.732	877.475
206	420	0.426148	153.914	1056.46
207	420	0.434397	154.103	1238.9
208	421	0.442676	154.299	1425.27
209	425	0.453763	154.505	1618.12
210	425	0.462114	154.718	1814.52
211	426	0.470498	154.94	2014.95
212	430	0.478914	155.169	2220.88
213	434	0.490189	155.409	2433.63
214	444	0.498687	155.658	2655.04
215	450	0.507221	155.915	2883.29
216	451	0.515791	156.181	3115.91
217	452	0.524401	156.456	3352.94
218	457	0.53594	156.743	3597.87

219	460	0.544642	157.04	3848.4
220	467	0.553384	157.346	4106.83
221	468	0.56217	157.662	4369.93
222	470	0.573953	157.992	4639.69
223	475	0.582841	158.331	4916.54
224	475	0.591776	158.682	5197.63
225	500	0.60076	159.043	5498.01
226	500	0.612813	159.418	5804.42
227	504	0.621911	159.805	6117.86
228	516	0.631062	160.203	6443.49
229	517	0.640266	160.613	6774.51
230	523	0.649522	161.035	7114.21
231	558	0.661955	161.473	7483.58
232	750	0.671346	161.924	7987.09
233	880	0.680797	162.387	8586.19
234	1500	0.690309	162.864	9621.65
235	1550	0.703089	163.358	10711.4
236	1700	0.712751	163.866	11923.1
237	1897	0.722479	164.388	13293.7
238	1900	0.732275	164.924	14685
239	2000	0.742143	165.475	16169.3
240	2000	0.755415	166.046	17680.1
241	2133	0.765456	166.632	19312.8
242	2150	0.775574	167.233	20980.3
243	2200	0.785774	167.851	22709
244	2300	0.7995	168.49	24547.9
245	2350	0.809896	169.146	26451.1
246	2360	0.820379	169.819	28387.2
247	2367	0.830953	170.509	30354.1
248	2400	0.841621	171.218	32374
249	2400	0.855996	171.95	34428.3
250	2460	0.866894	172.702	36560.9
251	2500	0.877897	173.473	38755.6
252	2500	0.889006	174.263	40978.2
253	2500	0.903992	175.08	43238.1
254	2510	0.915365	175.918	45535.7
255	2520	0.926859	176.777	47871.4
256	2550	0.938476	177.658	50264.5
257	2620	0.954165	178.568	52764.4
258	2630	0.966088	179.502	55305.2
259	2650	0.97815	180.458	57897.3
260	2650	0.990356	181.439	60521.8
261	2650	1.00271	182.445	63179
262	2700	1.01943	183.484	65931.4
263	2700	1.03215	184.549	68718.2
264	2700	1.04505	185.641	71539.9
265	2700	1.05812	186.761	74396.8
266	2750	1.07584	187.918	77355.3
267	2767	1.08935	189.105	80369.6
268	2790	1.10306	190.322	83447.1
269	2900	1.11699	191.569	86686.4
270	2900	1.13113	192.849	89966.7
271	2900	1.15035	194.172	93302.7
272	2933	1.16505	195.53	96719.8
273	2940	1.18	196.922	100189
274	2950	1.19522	198.351	103715
275	2950	1.21596	199.829	107302

276	2967	1.23187	201.347	110957
277	3000	1.24809	202.904	114701
278	3000	1.26464	204.504	118495
279	3050	1.28155	206.146	122404
280	3050	1.30469	207.848	126383
281	3050	1.32251	209.597	130417
282	3100	1.34075	211.395	134573
283	3150	1.35946	213.243	138855
284	3200	1.38517	215.162	143288
285	3200	1.40507	217.136	147784
286	3200	1.42554	219.168	152346
287	3240	1.44663	221.261	157033
288	3250	1.47579	223.439	161829
289	3267	1.49852	225.684	166725
290	3300	1.52203	228.001	171748
291	3400	1.54643	230.392	177006
292	3400	1.57179	232.863	182350
293	3460	1.60725	235.446	187911
294	3600	1.63524	238.12	193798
295	3600	1.66456	240.891	199790
296	3630	1.6954	243.765	205944
297	3650	1.7392	246.79	212292
298	3680	1.77438	249.939	218822
299	3800	1.81191	253.222	225707
300	3870	1.85218	256.652	232875
301	3890	1.8957	260.246	240250
302	4000	1.95996	264.087	248089
303	4010	2.01409	268.144	256166
304	4300	2.07485	272.449	265088
305	4340	2.14441	277.047	274394
306	4920	2.25713	282.142	285500
307	5040	2.36561	287.738	297422
308	5100	2.51213	294.049	310234
309	5940	2.74777	301.599	326556

Data Set Standard Deviation = 1293.82
 Numerator = 1.06639e+011
 Denominator = 1.55498e+011
 W Statistic = 0.685787 = 1.06639e+011 / 1.55498e+011

5% Critical value of 0.976 exceeds 0.685787
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.685787
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 249.827

Overall Std Dev = 498.928

Overall Total = 77196.7

SS Groups = 2.06978e+007

SS Total = 7.66703e+007

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.06978e+007	4	5.17446e+006	28.1037
Error (within groups)	5.59725e+007	304	184120	
Totals	7.66703e+007	308		

95% F-Statistic = 2.37

28.1037 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	161.649
	3/14/1995	81.6494
	6/21/1995	393.351
	12/14/1995	36.6494
	3/6/1996	141.649
	4/25/1996	84.6494
	10/2/1996	56.6494
	12/10/1996	96.6494
	3/11/1997	78.6494
	4/15/1997	106.649
	8/14/1997	36.6494
	12/4/1997	3.35065
	3/31/1998	126.649
	6/23/1998	143.351
	8/11/1998	6.64935
	12/8/1998	86.6494
	3/9/1999	66.6494
	6/8/1999	51.3506
	8/19/1999	31.3506
	12/14/1999	46.6494
	3/7/2000	16.3506
	6/23/2000	53.3506
	12/12/2000	63.3506
	3/27/2001	6.64935
	6/28/2001	68.3506
	9/10/2001	33.3506
	12/18/2001	33.3506
	3/19/2002	68.3506
	6/26/2002	63.3506
	9/18/2002	160.351

12/11/2002	73.3506
3/13/2003	93.3506
6/25/2003	77.3506
9/26/2003	103.351
12/10/2003	113.351
3/9/2004	87.3506
6/24/2004	143.351
9/15/2004	118.351
12/15/2004	201.351
3/16/2005	523.351
6/15/2005	334.649
9/21/2005	110.351
12/21/2005	118.351
3/15/2006	18.3506
6/21/2006	63.3506
12/20/2006	26.6494
6/12/2007	96.6494
12/17/2007	56.6494
6/11/2008	18.3506
12/3/2008	16.6494
6/17/2009	116.649
12/9/2009	196.649
6/17/2010	66.6494
12/22/2010	52.6494
6/29/2011	50.6494
12/7/2011	101.649
6/6/2012	81.6494
12/12/2012	55.6494
6/19/2013	52.3506
12/11/2013	50.6494
6/11/2014	40.6494
12/3/2014	64.6494
6/17/2015	70.6494
12/1/2015	57.6494
6/22/2016	106.649
12/20/2016	81.6494
6/6/2017	91.6494
11/7/2017	75.6494
2/27/2018	57.6494
9/27/2018	51.6494
5/7/2019	81.6494
11/21/2019	57.6494
6/25/2020	10.6494
11/17/2020	10.6494
5/26/2021	43.3506
11/17/2021	147.351
4/8/2022	95.3506

Group: MW#03-1

Date	Residual
6/24/2004	6.59722
9/15/2004	40.5972
12/15/2004	26.5972
3/16/2005	13.4028
6/15/2005	12.4028
9/21/2005	18.4028
12/20/2006	19.5972
6/12/2007	52.5972

12/17/2007	84.5972
6/11/2008	12.4028
12/3/2008	54.5972
6/17/2009	14.4028
12/9/2009	20.4028
6/17/2010	19.4028
12/22/2010	12.5028
6/29/2011	13.8028
12/7/2011	17.3028
6/6/2012	21.1028
6/19/2013	19.2028
12/11/2013	6.30278
6/11/2014	91.5972
12/3/2014	15.7028
6/17/2015	27.5428
12/1/2015	23.3028
6/22/2016	25.1028
12/20/2016	4.50278
6/6/2017	26.4828
11/7/2017	21.0028
2/27/2018	22.8028
5/7/2019	23.2028
11/21/2019	148.597
6/25/2020	29.2028
11/17/2020	16.5028
5/26/2021	30.1328
11/16/2021	26.3728
4/8/2022	32.4828

Group: MW#03-2

Date	Residual
6/24/2004	113.14
9/15/2004	153.14
12/15/2004	131.14
3/16/2005	107.14
6/15/2005	162.14
9/21/2005	105.14
12/21/2005	113.14
3/15/2006	155.14
12/20/2006	151.14
6/12/2007	117.14
12/17/2007	55.14
6/11/2008	118.14
12/3/2008	24.86
6/17/2009	101.14
12/9/2009	105.14
6/17/2010	79.14
12/22/2010	86.24
6/29/2011	84.14
12/7/2011	86.34
6/6/2012	78.14
12/12/2012	74.14
6/19/2013	72.14
12/11/2013	79.14
6/11/2014	174.84
12/3/2014	27.14
6/17/2015	6.14
12/1/2015	11.86

6/22/2016	68.86
12/20/2016	265.86
6/6/2017	146.86
11/7/2017	330.86
2/27/2018	282.86
9/27/2018	240.86
5/7/2019	155.54
11/21/2019	208.86
6/25/2020	223.86
11/17/2020	191.86
5/26/2021	235.86
11/17/2021	271.86
4/8/2022	185.86

Group: MW#93-2

Date	Residual
12/15/1994	848.17
3/14/1995	1298.17
6/21/1995	2663.17
12/14/1995	481.17
3/6/1996	698.17
4/25/1996	848.17
10/2/1996	418.83
12/10/1996	1151.83
3/11/1997	1148.17
4/15/1997	1348.17
8/14/1997	801.83
12/4/1997	1451.83
3/31/1998	348.17
6/23/1998	401.83
8/11/1998	201.83
12/8/1998	201.83
3/9/1999	751.83
6/8/1999	301.83
8/19/1999	951.17
12/14/1999	348.17
3/7/2000	551.83
6/23/2000	551.83
12/12/2000	151.83
3/27/2001	715.17
6/28/2001	98.1696
9/10/2001	198.17
12/18/2001	101.83
3/19/2002	118.83
6/26/2002	201.83
9/18/2002	51.8304
12/11/2002	84.8304
3/13/2003	51.8304
6/25/2003	148.17
9/26/2003	81.1696
12/10/2003	148.17
3/9/2004	298.17
6/24/2004	198.17
9/15/2004	148.17
12/15/2004	101.83
3/16/2005	351.83
6/15/2005	198.17
9/21/2005	351.83

12/21/2005	351.83
3/15/2006	151.83
6/21/2006	148.17
12/20/2006	348.17
2/21/2007	948.17
6/12/2007	448.17
12/17/2007	251.83
6/11/2008	498.17
12/3/2008	451.83
12/15/2008	448.17
6/17/2009	548.17
12/9/2009	648.17
6/17/2010	51.8304
12/22/2010	611.83
6/29/2011	218.17
12/7/2011	328.17
6/6/2012	488.17
12/12/2012	391.83
6/19/2013	338.17
12/11/2013	388.17
6/11/2014	58.1696
12/3/2014	91.8304
6/17/2015	2734.17
12/1/2015	751.83
6/22/2016	228.17
12/20/2016	951.83
6/6/2017	781.83
11/7/2017	1491.83
2/27/2018	1021.83
9/27/2018	831.83
5/7/2019	1041.83
11/21/2019	2835.77
6/25/2020	2325.17
11/16/2020	2191.83
5/26/2021	2251.83
11/17/2021	3091.83
4/8/2022	2071.83

Group: MW#93-3

Date	Residual
12/15/1994	84.0961
3/14/1995	84.0961
6/21/1995	84.0961
12/14/1995	84.0961
3/6/1996	84.0961
4/25/1996	84.0961
10/2/1996	83.0961
12/10/1996	84.0961
3/11/1997	82.0961
4/15/1997	79.0961
8/14/1997	83.0961
12/4/1997	86.0961
3/31/1998	49.0961
6/23/1998	90.0961
8/11/1998	85.0961
12/8/1998	92.0961
3/9/1999	84.0961
6/8/1999	91.0961

8/19/1999	84.0961
12/14/1999	84.0961
3/7/2000	81.0961
6/23/2000	80.0961
12/12/2000	87.0961
3/27/2001	91.0961
6/28/2001	84.0961
9/10/2001	74.0961
12/18/2001	75.0961
3/19/2002	86.0961
6/26/2002	86.0961
9/18/2002	86.0961
12/11/2002	88.0961
3/13/2003	76.0961
6/25/2003	81.0961
9/26/2003	78.0961
12/10/2003	60.0961
3/9/2004	35.9039
6/24/2004	70.0961
9/15/2004	77.0961
12/15/2004	68.0961
3/16/2005	65.0961
6/15/2005	68.0961
9/21/2005	75.0961
12/21/2005	71.0961
3/15/2006	75.0961
6/21/2006	73.0961
12/20/2006	52.0961
6/12/2007	91.0961
12/17/2007	66.0961
6/11/2008	67.0961
12/3/2008	83.0961
6/17/2009	78.0961
12/9/2009	82.0961
6/17/2010	49.0961
12/22/2010	68.2961
6/29/2011	59.8961
12/7/2011	56.6961
6/6/2012	55.7961
12/12/2012	68.2961
6/19/2013	32.4961
12/11/2013	67.5961
6/11/2014	37.8961
12/3/2014	58.0961
6/17/2015	14.9039
12/1/2015	13.0961
6/22/2016	35.5961
12/20/2016	27.4961
6/6/2017	75.8961
11/7/2017	13.7961
2/27/2018	29.8961
9/27/2018	18.2961
5/7/2019	10.9039
11/21/2019	3915.9
6/25/2020	233.904
11/16/2020	163.904
5/26/2021	131.904

11/17/2021	191.904
4/8/2022	107.904

Concentrations (ppb)

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 78

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 21

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	21	0 (0%)	6/6/2012	868	868
			12/12/2012	880	880
			6/19/2013	942	942
			12/11/2013	961	961
			6/11/2014	971	971
			12/3/2014	907	907
			6/17/2015	882	882
			12/1/2015	860	860
			6/22/2016	840	840
			12/20/2016	838	838
			6/6/2017	810	810
			11/7/2017	878	878
			2/27/2018	830	830
			9/27/2018	1050	1050
			5/7/2019	952	952
			11/21/2019	966	966
			6/25/2020	1000	1000
			11/17/2020	966	966
			5/26/2021	988	988
			11/17/2021	1000	1000
			4/8/2022	1130	1130

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-2	21	0 (0%)	6/6/2012	7530	7530
			12/12/2012	7920	7920
			6/19/2013	7280	7280
			12/11/2013	7440	7440
			6/11/2014	7160	7160
			12/3/2014	7700	7700
			6/17/2015	730	730
			12/1/2015	7950	7950
			6/22/2016	3160	3160
			12/20/2016	8780	8780
			6/6/2017	7350	7350
			11/7/2017	7820	7820
			2/27/2018	7560	7560
			9/27/2018	8890	8890
			5/7/2019	8480	8480
			11/21/2019	8400	8400
			6/25/2020	8860	8860
			11/16/2020	46400	46400
			5/26/2021	7520	7520

			11/17/2021	8020	8020
			4/8/2022	10000	10000
MW#93-3	21	0 (0%)	6/6/2012	834	834
			12/12/2012	669	669
			6/19/2013	861	861
			12/11/2013	697	697
			6/11/2014	986	986
			12/3/2014	743	743
			6/17/2015	911	911
			12/1/2015	1050	1050
			6/22/2016	1390	1390
			12/20/2016	1189	1189
			6/6/2017	780	780
			11/7/2017	1250	1250
			2/27/2018	1190	1190
			9/27/2018	1420	1420
			5/7/2019	1510	1510
			11/21/2019	1550	1550
			6/25/2020	1310	1310
			11/16/2020	1310	1310
			5/26/2021	1240	1240
			11/17/2021	1120	1120
			4/8/2022	1300	1300
MW#03-2	8	0 (0%)	9/27/2018	1630	1630
			5/7/2019	1240	1240
			11/21/2019	1760	1760
			6/25/2020	1940	1940
			11/17/2020	1770	1770
			5/26/2021	1790	1790
			11/17/2021	1490	1490
			4/8/2022	1720	1720
MW#03-1	7	0 (0%)	5/7/2019	102	102
			11/21/2019	80	80
			6/25/2020	151	151
			11/17/2020	320	320
			5/26/2021	88	88
			11/16/2021	160	160
			4/8/2022	81	81

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 21

Maximum Background Value = 1130

Confidence Level = 84%

False Positive Rate = 16%

Location	Date	Count	Mean	Significant
MW#93-2	4/8/2022	1	10000	TRUE
MW#93-3	4/8/2022	1	1300	TRUE
MW#03-2	4/8/2022	1	1720	TRUE
MW#03-1	4/8/2022	1	81	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 20

Maximum Baseline Concentration = 1940

Confidence Level = 95.2%

False Positive Rate = 4.8%

Baseline Measurements	Date	Value
	9/27/2018	1630
	5/7/2019	1240
	11/21/2019	1760
	6/25/2020	1940
	11/17/2020	1770
	5/26/2021	1790
	11/17/2021	1490
	4/8/2022	1720

Date	Count	Mean	Significant
4/8/2022	1	1720	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 20

Maximum Baseline Concentration = 46400

Confidence Level = 95.2%

False Positive Rate = 4.8%

Baseline Measurements	Date	Value
	6/6/2012	7530
	12/12/2012	7920
	6/19/2013	7280
	12/11/2013	7440
	6/11/2014	7160
	12/3/2014	7700
	6/17/2015	730
	12/1/2015	7950
	6/22/2016	3160
	12/20/2016	8780
	6/6/2017	7350
	11/7/2017	7820
	2/27/2018	7560
	9/27/2018	8890
	5/7/2019	8480
	11/21/2019	8400
	6/25/2020	8860
	11/16/2020	46400
	5/26/2021	7520
	11/17/2021	8020

Date	Count	Mean	Significant
4/8/2022	1	10000	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 20

Maximum Baseline Concentration = 1550

Confidence Level = 95.2%

False Positive Rate = 4.8%

Baseline Measurements	Date	Value
	6/6/2012	834
	12/12/2012	669
	6/19/2013	861
	12/11/2013	697
	6/11/2014	986
	12/3/2014	743
	6/17/2015	911
	12/1/2015	1050
	6/22/2016	1390
	12/20/2016	1189
	6/6/2017	780
	11/7/2017	1250
	2/27/2018	1190
	9/27/2018	1420
	5/7/2019	1510
	11/21/2019	1550
	6/25/2020	1310
	11/16/2020	1310
	5/26/2021	1240
	11/17/2021	1120

Date	Count	Mean	Significant
4/8/2022	1	1300	FALSE

Shapiro-Francia Test of Normality

Parameter: Total Dissolved Solids

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 78

i	x(i)	m(i)	sum(m²)	sum(mx)
1	80	-2.25713	5.09463	-180.57
2	81	-1.95996	8.93608	-339.327
3	88	-1.78661	12.1281	-496.549
4	102	-1.64485	14.8336	-664.324
5	151	-1.53007	17.1747	-895.364
6	160	-1.43953	19.2469	-1125.69
7	320	-1.35317	21.078	-1558.7
8	669	-1.27588	22.7059	-2412.26
9	697	-1.21073	24.1718	-3256.14
10	730	-1.1455	25.4839	-4092.36
11	743	-1.08482	26.6608	-4898.38
12	780	-1.03215	27.7261	-5703.46
13	810	-0.97815	28.6829	-6495.77
14	830	-0.926859	29.542	-7265.06
15	834	-0.881587	30.3192	-8000.3
16	838	-0.834498	31.0155	-8699.61
17	840	-0.789191	31.6384	-9362.53
18	860	-0.748762	32.199	-10006.5
19	861	-0.706302	32.6979	-10614.6
20	868	-0.665079	33.1402	-11191.9
21	878	-0.628006	33.5346	-11743.3
22	880	-0.588793	33.8813	-12261.4
23	882	-0.550465	34.1843	-12746.9
24	907	-0.515791	34.4503	-13214.7
25	911	-0.478914	34.6797	-13651
26	942	-0.442676	34.8756	-14068
27	952	-0.409735	35.0435	-14458.1
28	961	-0.374544	35.1838	-14818
29	966	-0.33981	35.2993	-15146.3
30	966	-0.308108	35.3942	-15443.9
31	971	-0.27411	35.4693	-15710.1
32	986	-0.240426	35.5272	-15947.1
33	988	-0.209575	35.5711	-16154.2
34	1000	-0.176374	35.6022	-16330.6
35	1000	-0.143367	35.6227	-16473.9
36	1050	-0.113039	35.6355	-16592.6
37	1050	-0.0802981	35.642	-16677
38	1120	-0.0476439	35.6442	-16730.3
39	1130	-0.0175476	35.6445	-16750.1
40	1189	0.0175476	35.6448	-16729.3
41	1190	0.0476439	35.6471	-16672.6
42	1240	0.0802981	35.6536	-16573
43	1240	0.113039	35.6663	-16432.8
44	1250	0.143367	35.6869	-16253.6
45	1300	0.176374	35.718	-16024.4
46	1310	0.209575	35.7619	-15749.8
47	1310	0.240426	35.8197	-15434.8

48	1390	0.27411	35.8949	-15053.8
49	1420	0.308108	35.9898	-14616.3
50	1490	0.33981	36.1053	-14110
51	1510	0.374544	36.2455	-13544.4
52	1550	0.409735	36.4134	-12909.4
53	1630	0.442676	36.6094	-12187.8
54	1720	0.478914	36.8388	-11364.1
55	1760	0.515791	37.1048	-10456.3
56	1770	0.550465	37.4078	-9481.94
57	1790	0.588793	37.7545	-8428
58	1940	0.628006	38.1489	-7209.67
59	3160	0.665079	38.5912	-5108.02
60	7160	0.706302	39.0901	-50.8984
61	7280	0.748762	39.6507	5400.09
62	7350	0.789191	40.2735	11200.6
63	7440	0.834498	40.9699	17409.3
64	7520	0.881587	41.7471	24038.8
65	7530	0.926859	42.6062	31018.1
66	7560	0.97815	43.563	38412.9
67	7700	1.03215	44.6283	46360.5
68	7820	1.08482	45.8051	54843.8
69	7920	1.1455	47.1173	63916.2
70	7950	1.21073	48.5832	73541.5
71	8020	1.27588	50.211	83774
72	8400	1.35317	52.0421	95140.7
73	8480	1.43953	54.1144	107348
74	8780	1.53007	56.4555	120782
75	8860	1.64485	59.161	135355
76	8890	1.78661	62.353	151238
77	10000	1.95996	66.1944	170838
78	46400	2.25713	71.2891	275569

Data Set Standard Deviation = 5798.45
 Numerator = 7.59381e+010
 Denominator = 1.8456e+011
 W Statistic = 0.411454 = 7.59381e+010 / 1.8456e+011

5% Critical value of 0.97 exceeds 0.411454
Evidence of non-normality at 95% level of significance

1% Critical value of 0.957 exceeds 0.411454
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 1072.99

Overall Std Dev = 4321.07

Overall Total = 83693.5

SS Groups = 1.84315e+008

SS Total = 1.43772e+009

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.84315e+008	4	4.60787e+007	2.68369
Error (within groups)	1.2534e+009	73	1.71699e+007	
Totals	1.43772e+009	77		

95% F-Statistic = 2.44724

2.68369 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
6/6/2012	61.4762
12/12/2012	49.4762
6/19/2013	12.5238
12/11/2013	31.5238
6/11/2014	41.5238
12/3/2014	22.4762
6/17/2015	47.4762
12/1/2015	69.4762
6/22/2016	89.4762
12/20/2016	91.4762
6/6/2017	119.476
11/7/2017	51.4762
2/27/2018	99.4762
9/27/2018	120.524
5/7/2019	22.5238
11/21/2019	36.5238
6/25/2020	70.5238
11/17/2020	36.5238
5/26/2021	58.5238
11/17/2021	70.5238
4/8/2022	200.524

Group: MW#93-2

Date	Residual
6/6/2012	1753.33
12/12/2012	1363.33
6/19/2013	2003.33
12/11/2013	1843.33
6/11/2014	2123.33
12/3/2014	1583.33
6/17/2015	8553.33

12/1/2015	1333.33
6/22/2016	6123.33
12/20/2016	503.333
6/6/2017	1933.33
11/7/2017	1463.33
2/27/2018	1723.33
9/27/2018	393.333
5/7/2019	803.333
11/21/2019	883.333
6/25/2020	423.333
11/16/2020	37116.7
5/26/2021	1763.33
11/17/2021	1263.33
4/8/2022	716.667

Group: MW#93-3

Date	Residual
6/6/2012	276
12/12/2012	441
6/19/2013	249
12/11/2013	413
6/11/2014	124
12/3/2014	367
6/17/2015	199
12/1/2015	60
6/22/2016	280
12/20/2016	79
6/6/2017	330
11/7/2017	140
2/27/2018	80
9/27/2018	310
5/7/2019	400
11/21/2019	440
6/25/2020	200
11/16/2020	200
5/26/2021	130
11/17/2021	10
4/8/2022	190

Group: MW#03-2

Date	Residual
9/27/2018	37.5
5/7/2019	427.5
11/21/2019	92.5
6/25/2020	272.5
11/17/2020	102.5
5/26/2021	122.5
11/17/2021	177.5
4/8/2022	52.5

Group: MW#03-1

Date	Residual
5/7/2019	38.2857
11/21/2019	60.2857
6/25/2020	10.7143
11/17/2020	179.714
5/26/2021	52.2857
11/16/2021	19.7143
4/8/2022	59.2857

Concentrations (ppb)

Parameter: Thallium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 75

Percent Non-Detects: 100%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/16/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#03-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001

			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#93-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#93-3	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 308

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 76

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	76	0 (0%)	12/15/1994	367	367
			12/14/1995	334	334
			3/6/1996	384	384
			4/25/1996	363	363
			10/2/1996	365	365
			12/10/1996	346	346
			3/11/1997	350	350
			4/15/1997	330	330
			8/14/1997	400	400
			12/4/1997	380	380
			3/31/1998	360	360
			6/23/1998	390	390
			8/11/1998	389	389
			12/8/1998	376	376
			3/9/1999	340	340
			6/8/1999	395	395
			8/19/1999	400	400
			12/14/1999	360	360
			3/7/2000	384	384
			6/23/2000	364	364
			12/12/2000	450	450
			3/27/2001	362	362
			6/28/2001	340	340
			9/10/2001	326	326
			12/18/2001	326	326
			3/19/2002	330	330
			6/26/2002	350	350
			9/18/2002	353	353
			12/11/2002	344	344
			3/13/2003	320	320
			6/25/2003	336	336
			9/26/2003	320	320
			12/10/2003	324	324
			3/9/2004	329	329
			6/24/2004	348	348
			9/15/2004	332	332
			12/15/2004	327	327
			3/16/2005	340	340
			6/15/2005	330	330
			9/21/2005	347	347
			12/21/2005	340	340
			3/15/2006	320	320
			6/21/2006	314	314
			12/20/2006	300	300
			6/12/2007	310	310

12/17/2007	330	330
6/11/2008	370	370
12/3/2008	344	344
6/17/2009	350	350
12/9/2009	370	370
6/17/2010	380	380
12/22/2010	370	370
6/29/2011	366	366
12/7/2011	370	370
6/6/2012	384	384
12/12/2012	330	330
6/19/2013	360	360
12/11/2013	358	358
6/11/2014	342	342
12/3/2014	368	368
6/17/2015	380	380
12/1/2015	383	383
6/22/2016	390	390
12/20/2016	395.4	395.4
6/6/2017	398	398
11/7/2017	394	394
2/27/2018	384	384
9/27/2018	360	360
5/7/2019	550	550
11/21/2019	480	480
6/25/2020	542	542
11/17/2020	473	473
5/26/2021	441	441
11/17/2021	393	393
4/8/2022	406	406
10/4/2022	405	405

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-3	76	0 (0%)	12/15/1994	240	240
			12/14/1995	206	206
			3/6/1996	226	226
			4/25/1996	228	228
			10/2/1996	240	240
			12/10/1996	225	225
			3/11/1997	210	210
			4/15/1997	200	200
			8/14/1997	255	255
			12/4/1997	140	140
			3/31/1998	240	240
			6/23/1998	225	225
			8/11/1998	224	224
			12/8/1998	214	214
			3/9/1999	234	234
			6/8/1999	236	236
			8/19/1999	260	260
			12/14/1999	300	300
			3/7/2000	264	264
			6/23/2000	244	244
12/12/2000	320	320			

3/27/2001	254	254
6/28/2001	255	255
9/10/2001	332	332
12/18/2001	230	230
3/19/2002	255	255
6/26/2002	250	250
9/18/2002	268	268
12/11/2002	268	268
3/13/2003	247	247
6/25/2003	252	252
9/26/2003	244	244
12/10/2003	271	271
3/9/2004	284	284
6/24/2004	309	309
9/15/2004	264	264
12/15/2004	254	254
3/16/2005	290	290
6/15/2005	268	268
9/21/2005	264	264
12/21/2005	246	246
3/15/2006	227	227
6/21/2006	253	253
12/20/2006	250	250
6/12/2007	280	280
12/17/2007	290	290
6/11/2008	300	300
12/3/2008	226	226
6/17/2009	240	240
12/9/2009	214	214
6/17/2010	296	296
12/22/2010	230	230
6/29/2011	256	256
12/7/2011	244	244
6/6/2012	288	288
12/12/2012	226	226
6/19/2013	316	316
12/11/2013	262	262
6/11/2014	338	338
12/3/2014	262	262
6/17/2015	388	388
5/25/2016	440	440
6/22/2016	330	330
12/20/2016	330.4	330.4
6/6/2017	304	304
11/7/2017	409	409
2/27/2018	368	368
9/27/2018	375	375
5/7/2019	585	585
11/21/2019	525	525
6/25/2020	619	619
11/16/2020	549	549
5/26/2021	576	576
11/17/2021	527	527
4/8/2022	590	590
10/4/2022	581	581

MW#03-1	36	0 (0%)	6/24/2004	209	209
---------	----	--------	-----------	-----	-----

9/15/2004	220	220
12/15/2004	184	184
3/16/2005	160	160
6/15/2005	252	252
9/21/2005	180	180
12/20/2006	204	204
6/12/2007	200	200
12/17/2007	190	190
6/11/2008	200	200
12/3/2008	206	206
6/17/2009	204	204
12/9/2009	216	216
6/17/2010	232	232
12/22/2010	216	216
6/29/2011	210	210
12/7/2011	222	222
6/6/2012	216	216
6/19/2013	144	144
12/11/2013	212	212
6/11/2014	222	222
12/3/2014	194	194
6/17/2015	134	134
12/1/2015	150	150
6/22/2016	130	130
12/20/2016	211.6	211.6
6/6/2017	56	56
11/7/2017	217	217
2/27/2018	72	72
5/7/2019	55	55
11/21/2019	55	55
6/25/2020	126	126
11/17/2020	234	234
5/26/2021	30.2	30.2
11/16/2021	103	103
4/8/2022	40.8	40.8

MW#03-2 42 0 (0%)

6/24/2004	235	235
9/15/2004	200	200
12/15/2004	222	222
3/16/2005	220	220
6/15/2005	252	252
9/21/2005	224	224
12/21/2005	230	230
3/15/2006	220	220
6/21/2006	228	228
12/20/2006	220	220
6/12/2007	228	228
12/17/2007	200	200
6/11/2008	200	200
12/3/2008	210	210
6/17/2009	200	200
12/9/2009	208	208
6/17/2010	216	216
12/22/2010	230	230
6/29/2011	224	224
12/7/2011	236	236
6/6/2012	230	230

			12/12/2012	242	242
			6/19/2013	232	232
			12/11/2013	230	230
			6/11/2014	92	92
			12/3/2014	76	76
			6/17/2015	220	220
			12/1/2015	214	214
			6/22/2016	204	204
			12/20/2016	199.4	199.4
			6/6/2017	192	192
			11/7/2017	192	192
			2/27/2018	196	196
			9/27/2018	185	185
			5/7/2019	220	220
			11/21/2019	220	220
			6/25/2020	223	223
			11/17/2020	209	209
			5/26/2021	220	220
			11/17/2021	208	208
			4/8/2022	230	230
			10/3/2022	219	219
<hr/>					
MW#93-2	78	0 (0%)	12/15/1994	170	170
			12/14/1995	191	191
			3/6/1996	308	308
			4/25/1996	340	340
			10/2/1996	340	340
			12/10/1996	270	270
			3/11/1997	210	210
			4/15/1997	220	220
			8/14/1997	240	240
			12/4/1997	200	200
			3/31/1998	184	184
			6/23/1998	250	250
			8/11/1998	208	208
			12/8/1998	200	200
			3/9/1999	224	224
			6/8/1999	220	220
			8/19/1999	226	226
			12/14/1999	240	240
			3/7/2000	244	244
			6/23/2000	264	264
			12/12/2000	220	220
			3/27/2001	215	215
			6/28/2001	240	240
			9/10/2001	208	208
			12/18/2001	235	235
			3/19/2002	263	263
			6/26/2002	290	290
			9/18/2002	256	256
			12/11/2002	249	249
			3/13/2003	240	240
			6/25/2003	246	246
			9/26/2003	250	250
			12/10/2003	200	200
			3/9/2004	280	280
			6/24/2004	329	329

9/15/2004	272	272
12/15/2004	288	288
3/16/2005	240	240
6/15/2005	246	246
9/21/2005	228	228
12/21/2005	232	232
3/15/2006	250	250
6/21/2006	290	290
12/20/2006	356	356
2/21/2007	340	340
6/12/2007	312	312
12/17/2007	210	210
6/11/2008	240	240
12/3/2008	280	280
6/17/2009	250	250
12/9/2009	236	236
6/17/2010	252	252
12/22/2010	240	240
6/29/2011	266	266
12/7/2011	288	288
6/6/2012	256	256
12/12/2012	248	248
6/19/2013	364	364
12/11/2013	328	328
6/11/2014	342	342
12/3/2014	296	296
6/17/2015	384	384
12/1/2015	226	226
6/22/2016	176	176
12/20/2016	162.2	162.2
6/6/2017	246	246
11/7/2017	430	430
2/27/2018	282	282
9/27/2018	270	270
5/7/2019	360	360
11/21/2019	360	360
6/25/2020	261	261
11/16/2020	266	266
5/26/2021	201	201
11/17/2021	108	108
4/8/2022	144	144
10/4/2022	83.4	83.4
10/4/2022	83.8	83.8

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 76

Maximum Background Value = 550

Confidence Level = 95%

False Positive Rate = 5%

Location	Date	Count	Mean	Significant
MW#93-3	10/4/2022	1	581	TRUE
MW#03-1	4/8/2022	1	40.8	FALSE
MW#03-2	10/3/2022	1	219	FALSE
MW#93-2	10/4/2022	2	83.6	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 75

Maximum Baseline Concentration = 619

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	240
	12/14/1995	206
	3/6/1996	226
	4/25/1996	228
	10/2/1996	240
	12/10/1996	225
	3/11/1997	210
	4/15/1997	200
	8/14/1997	255
	12/4/1997	140
	3/31/1998	240
	6/23/1998	225
	8/11/1998	224
	12/8/1998	214
	3/9/1999	234
	6/8/1999	236
	8/19/1999	260
	12/14/1999	300
	3/7/2000	264
	6/23/2000	244
	12/12/2000	320
	3/27/2001	254
	6/28/2001	255
	9/10/2001	332
	12/18/2001	230
	3/19/2002	255
	6/26/2002	250
	9/18/2002	268
	12/11/2002	268
	3/13/2003	247
	6/25/2003	252
	9/26/2003	244
	12/10/2003	271
	3/9/2004	284
	6/24/2004	309
	9/15/2004	264
	12/15/2004	254
	3/16/2005	290
	6/15/2005	268
	9/21/2005	264
	12/21/2005	246
	3/15/2006	227

6/21/2006	253
12/20/2006	250
6/12/2007	280
12/17/2007	290
6/11/2008	300
12/3/2008	226
6/17/2009	240
12/9/2009	214
6/17/2010	296
12/22/2010	230
6/29/2011	256
12/7/2011	244
6/6/2012	288
12/12/2012	226
6/19/2013	316
12/11/2013	262
6/11/2014	338
12/3/2014	262
6/17/2015	388
5/25/2016	440
6/22/2016	330
12/20/2016	330.4
6/6/2017	304
11/7/2017	409
2/27/2018	368
9/27/2018	375
5/7/2019	585
11/21/2019	525
6/25/2020	619
11/16/2020	549
5/26/2021	576
11/17/2021	527
4/8/2022	590

Date	Count	Mean	Significant
10/4/2022	1	581	FALSE

Shapiro-Francia Test of Normality

Parameter: Alkalinity

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 308

i	x(i)	m(i)	sum(m²)	sum(mx)
1	30.2	-2.74777	7.55021	-82.9825
2	40.8	-2.51213	13.861	-185.478
3	55	-2.36561	19.4572	-315.586
4	55	-2.25713	24.5518	-439.728
5	56	-2.14441	29.1503	-559.815
6	72	-2.07485	33.4553	-709.204
7	76	-2.01409	37.5118	-862.275
8	83.4	-1.95996	41.3533	-1025.74
9	83.8	-1.8957	44.947	-1184.6
10	92	-1.85218	48.3775	-1355
11	103	-1.81191	51.6605	-1541.62
12	108	-1.77438	54.809	-1733.26
13	126	-1.72793	57.7947	-1950.98
14	130	-1.6954	60.6691	-2171.38
15	134	-1.66456	63.4398	-2394.43
16	140	-1.63524	66.1138	-2623.36
17	144	-1.59819	68.6681	-2853.5
18	144	-1.57179	71.1386	-3079.84
19	150	-1.54643	73.53	-3311.8
20	160	-1.52203	75.8466	-3555.33
21	162.2	-1.49852	78.0922	-3798.39
22	170	-1.46838	80.2483	-4048.01
23	176	-1.44663	82.3411	-4302.62
24	180	-1.42554	84.3732	-4559.22
25	184	-1.40507	86.3475	-4817.75
26	184	-1.37866	88.2482	-5071.42
27	185	-1.35946	90.0963	-5322.93
28	190	-1.34075	91.8939	-5577.67
29	191	-1.32251	93.643	-5830.27
30	192	-1.29884	95.3299	-6079.64
31	192	-1.28155	96.9723	-6325.7
32	194	-1.26464	98.5716	-6571.04
33	196	-1.24809	100.129	-6815.67
34	199.4	-1.22653	101.634	-7060.24
35	200	-1.21073	103.1	-7302.38
36	200	-1.19522	104.528	-7541.43
37	200	-1.18	105.921	-7777.43
38	200	-1.16505	107.278	-8010.44
39	200	-1.1455	108.59	-8239.54
40	200	-1.13113	109.87	-8465.76
41	200	-1.11699	111.117	-8689.16
42	200	-1.10306	112.334	-8909.77
43	200	-1.08482	113.511	-9126.74
44	200	-1.07138	114.659	-9341.01
45	201	-1.05812	115.778	-9553.7
46	204	-1.04505	116.87	-9766.89
47	204	-1.02789	117.927	-9976.58

48	204	-1.01522	118.958	-10183.7
49	206	-1.00271	119.963	-10390.2
50	206	-0.990356	120.944	-10594.3
51	208	-0.974114	121.893	-10796.9
52	208	-0.9621	122.818	-10997
53	208	-0.950222	123.721	-11194.6
54	208	-0.938476	124.602	-11389.8
55	209	-0.926859	125.461	-11583.5
56	209	-0.911562	126.292	-11774.1
57	210	-0.900227	127.102	-11963.1
58	210	-0.889006	127.893	-12149.8
59	210	-0.877897	128.663	-12334.2
60	210	-0.863249	129.409	-12515.4
61	210	-0.852385	130.135	-12694.4
62	211.6	-0.841621	130.844	-12872.5
63	212	-0.830953	131.534	-13048.7
64	214	-0.816874	132.201	-13223.5
65	214	-0.806422	132.852	-13396.1
66	214	-0.796056	133.485	-13566.4
67	215	-0.785774	134.103	-13735.4
68	216	-0.772193	134.699	-13902.2
69	216	-0.7621	135.28	-14066.8
70	216	-0.752084	135.845	-14229.2
71	216	-0.742143	136.396	-14389.5
72	217	-0.729003	136.928	-14547.7
73	219	-0.719228	137.445	-14705.2
74	220	-0.709522	137.948	-14861.3
75	220	-0.699883	138.438	-15015.3
76	220	-0.690309	138.915	-15167.2
77	220	-0.677639	139.374	-15316.3
78	220	-0.668209	139.82	-15463.3
79	220	-0.658838	140.255	-15608.2
80	220	-0.649522	140.676	-15751.1
81	220	-0.637192	141.082	-15891.3
82	220	-0.628006	141.477	-16029.4
83	220	-0.618872	141.86	-16165.6
84	220	-0.609791	142.232	-16299.8
85	222	-0.597761	142.589	-16432.5
86	222	-0.588793	142.936	-16563.2
87	222	-0.579873	143.272	-16691.9
88	223	-0.570999	143.598	-16819.2
89	224	-0.559237	143.911	-16944.5
90	224	-0.550465	144.214	-17067.8
91	224	-0.541736	144.507	-17189.2
92	224	-0.533048	144.791	-17308.6
93	225	-0.524401	145.066	-17426.5
94	225	-0.51293	145.329	-17542
95	226	-0.504372	145.584	-17655.9
96	226	-0.49585	145.83	-17768
97	226	-0.487364	146.067	-17878.2
98	226	-0.476105	146.294	-17985.8
99	226	-0.467699	146.513	-18091.5
100	227	-0.459327	146.724	-18195.7
101	228	-0.450985	146.927	-18298.5
102	228	-0.439913	147.121	-18398.8
103	228	-0.431644	147.307	-18497.3
104	228	-0.423405	147.486	-18593.8

105	230	-0.415193	147.659	-18689.3
106	230	-0.40429	147.822	-18782.3
107	230	-0.396142	147.979	-18873.4
108	230	-0.388022	148.129	-18962.6
109	230	-0.379927	148.274	-19050
110	230	-0.371856	148.412	-19135.5
111	230	-0.361133	148.542	-19218.6
112	232	-0.353118	148.667	-19300.5
113	232	-0.345126	148.786	-19380.6
114	232	-0.337155	148.9	-19458.8
115	234	-0.326561	149.007	-19535.2
116	234	-0.318639	149.108	-19609.8
117	235	-0.310738	149.205	-19682.8
118	235	-0.302855	149.296	-19754
119	236	-0.292375	149.382	-19823
120	236	-0.284535	149.463	-19890.1
121	236	-0.276714	149.539	-19955.4
122	240	-0.268908	149.612	-20020
123	240	-0.258527	149.679	-20082
124	240	-0.250759	149.741	-20142.2
125	240	-0.243007	149.801	-20200.5
126	240	-0.235269	149.856	-20257
127	240	-0.224974	149.906	-20311
128	240	-0.217267	149.954	-20363.1
129	240	-0.209575	149.998	-20413.4
130	240	-0.201894	150.038	-20461.9
131	240	-0.194225	150.076	-20508.5
132	240	-0.184017	150.11	-20552.7
133	242	-0.176374	150.141	-20595.3
134	244	-0.168741	150.17	-20636.5
135	244	-0.161119	150.195	-20675.8
136	244	-0.150969	150.218	-20712.7
137	244	-0.143367	150.239	-20747.7
138	246	-0.135774	150.257	-20781.1
139	246	-0.128189	150.274	-20812.6
140	246	-0.118085	150.288	-20841.6
141	246	-0.110516	150.3	-20868.8
142	247	-0.102953	150.31	-20894.3
143	248	-0.0953969	150.32	-20917.9
144	249	-0.0853288	150.327	-20939.2
145	250	-0.0777834	150.333	-20958.6
146	250	-0.0702426	150.338	-20976.2
147	250	-0.0627062	150.342	-20991.8
148	250	-0.0551734	150.345	-21005.6
149	250	-0.0451348	150.347	-21016.9
150	250	-0.0376076	150.348	-21026.3
151	252	-0.0300838	150.349	-21033.9
152	252	-0.0225612	150.35	-21039.6
153	252	-0.0125328	150.35	-21042.7
154	252	-0.00501359	150.35	-21044
155	253	0.00501359	150.35	-21042.7
156	254	0.0125328	150.35	-21039.6
157	254	0.0225612	150.351	-21033.8
158	255	0.0300838	150.351	-21026.2
159	255	0.0376076	150.353	-21016.6
160	255	0.0451348	150.355	-21005.1
161	256	0.0551734	150.358	-20990.9

162	256	0.0627062	150.362	-20974.9
163	256	0.0702426	150.367	-20956.9
164	260	0.0777834	150.373	-20936.7
165	261	0.0853288	150.38	-20914.4
166	262	0.0953969	150.389	-20889.4
167	262	0.102953	150.4	-20862.4
168	263	0.110516	150.412	-20833.4
169	264	0.118085	150.426	-20802.2
170	264	0.128189	150.442	-20768.4
171	264	0.135774	150.461	-20732.5
172	264	0.143367	150.481	-20694.7
173	266	0.150969	150.504	-20654.5
174	266	0.161119	150.53	-20611.6
175	268	0.168741	150.559	-20566.4
176	268	0.176374	150.59	-20519.2
177	268	0.184017	150.624	-20469.8
178	270	0.194225	150.661	-20417.4
179	270	0.201894	150.702	-20362.9
180	271	0.209575	150.746	-20306.1
181	272	0.217267	150.793	-20247
182	280	0.224974	150.844	-20184
183	280	0.235269	150.899	-20118.1
184	280	0.243007	150.958	-20050.1
185	282	0.250759	151.021	-19979.4
186	284	0.258527	151.088	-19905.9
187	288	0.268908	151.16	-19828.5
188	288	0.276714	151.237	-19748.8
189	288	0.284535	151.318	-19666.9
190	290	0.292375	151.403	-19582.1
191	290	0.302855	151.495	-19494.2
192	290	0.310738	151.592	-19404.1
193	290	0.318639	151.693	-19311.7
194	296	0.326561	151.8	-19215.1
195	296	0.337155	151.913	-19115.3
196	300	0.345126	152.033	-19011.7
197	300	0.353118	152.157	-18905.8
198	300	0.361133	152.288	-18797.5
199	304	0.371856	152.426	-18684.4
200	308	0.379927	152.57	-18567.4
201	309	0.388022	152.721	-18447.5
202	310	0.396142	152.878	-18324.7
203	312	0.40429	153.041	-18198.5
204	314	0.415193	153.214	-18068.2
205	316	0.423405	153.393	-17934.4
206	320	0.431644	153.579	-17796.3
207	320	0.439913	153.773	-17655.5
208	320	0.450985	153.976	-17511.2
209	320	0.459327	154.187	-17364.2
210	324	0.467699	154.406	-17212.6
211	326	0.476105	154.632	-17057.4
212	326	0.487364	154.87	-16898.6
213	327	0.49585	155.116	-16736.4
214	328	0.504372	155.37	-16571
215	329	0.51293	155.633	-16402.2
216	329	0.524401	155.908	-16229.7
217	330	0.533048	156.192	-16053.8
218	330	0.541736	156.486	-15875

219	330	0.550465	156.789	-15693.4
220	330	0.559237	157.102	-15508.8
221	330	0.570999	157.428	-15320.4
222	330	0.579873	157.764	-15129
223	330.4	0.588793	158.111	-14934.5
224	332	0.597761	158.468	-14736
225	332	0.609791	158.84	-14533.6
226	334	0.618872	159.223	-14326.9
227	336	0.628006	159.617	-14115.9
228	338	0.637192	160.023	-13900.5
229	340	0.649522	160.445	-13679.7
230	340	0.658838	160.879	-13455.7
231	340	0.668209	161.326	-13228.5
232	340	0.677639	161.785	-12998.1
233	340	0.690309	162.261	-12763.4
234	340	0.699883	162.751	-12525.4
235	340	0.709522	163.255	-12284.2
236	342	0.719228	163.772	-12038.2
237	342	0.729003	164.303	-11788.9
238	344	0.742143	164.854	-11533.6
239	344	0.752084	165.42	-11274.9
240	346	0.7621	166.001	-11011.2
241	347	0.772193	166.597	-10743.2
242	348	0.785774	167.214	-10469.8
243	350	0.796056	167.848	-10191.2
244	350	0.806422	168.498	-9908.91
245	350	0.816874	169.166	-9623
246	353	0.830953	169.856	-9329.67
247	356	0.841621	170.564	-9030.06
248	358	0.852385	171.291	-8724.9
249	360	0.863249	172.036	-8414.13
250	360	0.877897	172.807	-8098.09
251	360	0.889006	173.597	-7778.05
252	360	0.900227	174.408	-7453.97
253	360	0.911562	175.239	-7125.8
254	360	0.926859	176.098	-6792.13
255	362	0.938476	176.978	-6452.41
256	363	0.950222	177.881	-6107.48
257	364	0.9621	178.807	-5757.27
258	364	0.974114	179.756	-5402.69
259	365	0.990356	180.737	-5041.21
260	366	1.00271	181.742	-4674.22
261	367	1.01522	182.773	-4301.64
262	368	1.02789	183.829	-3923.37
263	368	1.04505	184.921	-3538.79
264	370	1.05812	186.041	-3147.29
265	370	1.07138	187.189	-2750.88
266	370	1.08482	188.366	-2349.49
267	370	1.10306	189.583	-1941.36
268	375	1.11699	190.83	-1522.49
269	376	1.13113	192.11	-1097.18
270	380	1.1455	193.422	-661.893
271	380	1.16505	194.779	-219.175
272	380	1.18	196.172	229.226
273	383	1.19522	197.6	686.995
274	384	1.21073	199.066	1151.92
275	384	1.22653	200.57	1622.9

276	384	1.24809	202.128	2102.17
277	384	1.26464	203.727	2587.79
278	384	1.28155	205.37	3079.9
279	388	1.29884	207.057	3583.85
280	389	1.32251	208.806	4098.31
281	390	1.34075	210.603	4621.2
282	390	1.35946	212.452	5151.39
283	393	1.37866	214.352	5693.2
284	394	1.40507	216.326	6246.8
285	395	1.42554	218.359	6809.89
286	395.4	1.44663	220.451	7381.89
287	398	1.46838	222.608	7966.31
288	400	1.49852	224.853	8565.72
289	400	1.52203	227.17	9174.53
290	405	1.54643	229.561	9800.83
291	406	1.57179	232.032	10439
292	409	1.59819	234.586	11092.6
293	430	1.63524	237.26	11795.8
294	440	1.66456	240.031	12528.2
295	441	1.6954	242.905	13275.9
296	450	1.72793	245.891	14053.4
297	473	1.77438	249.039	14892.7
298	480	1.81191	252.322	15762.4
299	525	1.85218	255.753	16734.8
300	527	1.8957	259.346	17733.9
301	542	1.95996	263.188	18796.2
302	549	2.01409	267.244	19901.9
303	550	2.07485	271.549	21043.1
304	576	2.14441	276.148	22278.2
305	581	2.25713	281.243	23589.6
306	585	2.36561	286.839	24973.5
307	590	2.51213	293.149	26455.7
308	619	2.74777	300.7	28156.5

Data Set Standard Deviation = 95.3051
 Numerator = 7.92791e+008
 Denominator = 8.38501e+008
 W Statistic = 0.945486 = 7.92791e+008 / 8.38501e+008

5% Critical value of 0.976 exceeds 0.945486
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.945486
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 46.4259

Overall Std Dev = 51.4459

Overall Total = 14299.2

SS Groups = 109511

SS Total = 812532

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	109511	4	27377.9	11.7998
Error (within groups)	703020	303	2320.2	
Totals	812532	307		

95% F-Statistic = 2.37

11.7998 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	0.913158
	12/14/1995	33.9132
	3/6/1996	16.0868
	4/25/1996	4.91316
	10/2/1996	2.91316
	12/10/1996	21.9132
	3/11/1997	17.9132
	4/15/1997	37.9132
	8/14/1997	32.0868
	12/4/1997	12.0868
	3/31/1998	7.91316
	6/23/1998	22.0868
	8/11/1998	21.0868
	12/8/1998	8.08684
	3/9/1999	27.9132
	6/8/1999	27.0868
	8/19/1999	32.0868
	12/14/1999	7.91316
	3/7/2000	16.0868
	6/23/2000	3.91316
	12/12/2000	82.0868
	3/27/2001	5.91316
	6/28/2001	27.9132
	9/10/2001	41.9132
	12/18/2001	41.9132
	3/19/2002	37.9132
	6/26/2002	17.9132
	9/18/2002	14.9132
	12/11/2002	23.9132
	3/13/2003	47.9132

6/25/2003	31.9132
9/26/2003	47.9132
12/10/2003	43.9132
3/9/2004	38.9132
6/24/2004	19.9132
9/15/2004	35.9132
12/15/2004	40.9132
3/16/2005	27.9132
6/15/2005	37.9132
9/21/2005	20.9132
12/21/2005	27.9132
3/15/2006	47.9132
6/21/2006	53.9132
12/20/2006	67.9132
6/12/2007	57.9132
12/17/2007	37.9132
6/11/2008	2.08684
12/3/2008	23.9132
6/17/2009	17.9132
12/9/2009	2.08684
6/17/2010	12.0868
12/22/2010	2.08684
6/29/2011	1.91316
12/7/2011	2.08684
6/6/2012	16.0868
12/12/2012	37.9132
6/19/2013	7.91316
12/11/2013	9.91316
6/11/2014	25.9132
12/3/2014	0.0868421
6/17/2015	12.0868
12/1/2015	15.0868
6/22/2016	22.0868
12/20/2016	27.4868
6/6/2017	30.0868
11/7/2017	26.0868
2/27/2018	16.0868
9/27/2018	7.91316
5/7/2019	182.087
11/21/2019	112.087
6/25/2020	174.087
11/17/2020	105.087
5/26/2021	73.0868
11/17/2021	25.0868
4/8/2022	38.0868
10/4/2022	37.0868

Group: MW#93-3

Date	Residual
12/15/1994	59.0842
12/14/1995	93.0842
3/6/1996	73.0842
4/25/1996	71.0842
10/2/1996	59.0842
12/10/1996	74.0842
3/11/1997	89.0842
4/15/1997	99.0842
8/14/1997	44.0842

12/4/1997	159.084
3/31/1998	59.0842
6/23/1998	74.0842
8/11/1998	75.0842
12/8/1998	85.0842
3/9/1999	65.0842
6/8/1999	63.0842
8/19/1999	39.0842
12/14/1999	0.915789
3/7/2000	35.0842
6/23/2000	55.0842
12/12/2000	20.9158
3/27/2001	45.0842
6/28/2001	44.0842
9/10/2001	32.9158
12/18/2001	69.0842
3/19/2002	44.0842
6/26/2002	49.0842
9/18/2002	31.0842
12/11/2002	31.0842
3/13/2003	52.0842
6/25/2003	47.0842
9/26/2003	55.0842
12/10/2003	28.0842
3/9/2004	15.0842
6/24/2004	9.91579
9/15/2004	35.0842
12/15/2004	45.0842
3/16/2005	9.08421
6/15/2005	31.0842
9/21/2005	35.0842
12/21/2005	53.0842
3/15/2006	72.0842
6/21/2006	46.0842
12/20/2006	49.0842
6/12/2007	19.0842
12/17/2007	9.08421
6/11/2008	0.915789
12/3/2008	73.0842
6/17/2009	59.0842
12/9/2009	85.0842
6/17/2010	3.08421
12/22/2010	69.0842
6/29/2011	43.0842
12/7/2011	55.0842
6/6/2012	11.0842
12/12/2012	73.0842
6/19/2013	16.9158
12/11/2013	37.0842
6/11/2014	38.9158
12/3/2014	37.0842
6/17/2015	88.9158
5/25/2016	140.916
6/22/2016	30.9158
12/20/2016	31.3158
6/6/2017	4.91579
11/7/2017	109.916

2/27/2018	68.9158
9/27/2018	75.9158
5/7/2019	285.916
11/21/2019	225.916
6/25/2020	319.916
11/16/2020	249.916
5/26/2021	276.916
11/17/2021	227.916
4/8/2022	290.916
10/4/2022	281.916

Group: MW#03-1

Date	Residual
6/24/2004	39.3444
9/15/2004	50.3444
12/15/2004	14.3444
3/16/2005	9.65556
6/15/2005	82.3444
9/21/2005	10.3444
12/20/2006	34.3444
6/12/2007	30.3444
12/17/2007	20.3444
6/11/2008	30.3444
12/3/2008	36.3444
6/17/2009	34.3444
12/9/2009	46.3444
6/17/2010	62.3444
12/22/2010	46.3444
6/29/2011	40.3444
12/7/2011	52.3444
6/6/2012	46.3444
6/19/2013	25.6556
12/11/2013	42.3444
6/11/2014	52.3444
12/3/2014	24.3444
6/17/2015	35.6556
12/1/2015	19.6556
6/22/2016	39.6556
12/20/2016	41.9444
6/6/2017	113.656
11/7/2017	47.3444
2/27/2018	97.6556
5/7/2019	114.656
11/21/2019	114.656
6/25/2020	43.6556
11/17/2020	64.3444
5/26/2021	139.456
11/16/2021	66.6556
4/8/2022	128.856

Group: MW#03-2

Date	Residual
6/24/2004	24.1333
9/15/2004	10.8667
12/15/2004	11.1333
3/16/2005	9.13333
6/15/2005	41.1333
9/21/2005	13.1333
12/21/2005	19.1333

3/15/2006	9.13333
6/21/2006	17.1333
12/20/2006	9.13333
6/12/2007	17.1333
12/17/2007	10.8667
6/11/2008	10.8667
12/3/2008	0.866667
6/17/2009	10.8667
12/9/2009	2.86667
6/17/2010	5.13333
12/22/2010	19.1333
6/29/2011	13.1333
12/7/2011	25.1333
6/6/2012	19.1333
12/12/2012	31.1333
6/19/2013	21.1333
12/11/2013	19.1333
6/11/2014	118.867
12/3/2014	134.867
6/17/2015	9.13333
12/1/2015	3.13333
6/22/2016	6.86667
12/20/2016	11.4667
6/6/2017	18.8667
11/7/2017	18.8667
2/27/2018	14.8667
9/27/2018	25.8667
5/7/2019	9.13333
11/21/2019	9.13333
6/25/2020	12.1333
11/17/2020	1.86667
5/26/2021	9.13333
11/17/2021	2.86667
4/8/2022	19.1333
10/3/2022	8.13333

Group: MW#93-2

Date	Residual
12/15/1994	82.0949
12/14/1995	61.0949
3/6/1996	55.9051
4/25/1996	87.9051
10/2/1996	87.9051
12/10/1996	17.9051
3/11/1997	42.0949
4/15/1997	32.0949
8/14/1997	12.0949
12/4/1997	52.0949
3/31/1998	68.0949
6/23/1998	2.09487
8/11/1998	44.0949
12/8/1998	52.0949
3/9/1999	28.0949
6/8/1999	32.0949
8/19/1999	26.0949
12/14/1999	12.0949
3/7/2000	8.09487
6/23/2000	11.9051

12/12/2000	32.0949
3/27/2001	37.0949
6/28/2001	12.0949
9/10/2001	44.0949
12/18/2001	17.0949
3/19/2002	10.9051
6/26/2002	37.9051
9/18/2002	3.90513
12/11/2002	3.09487
3/13/2003	12.0949
6/25/2003	6.09487
9/26/2003	2.09487
12/10/2003	52.0949
3/9/2004	27.9051
6/24/2004	76.9051
9/15/2004	19.9051
12/15/2004	35.9051
3/16/2005	12.0949
6/15/2005	6.09487
9/21/2005	24.0949
12/21/2005	20.0949
3/15/2006	2.09487
6/21/2006	37.9051
12/20/2006	103.905
2/21/2007	87.9051
6/12/2007	59.9051
12/17/2007	42.0949
6/11/2008	12.0949
12/3/2008	27.9051
6/17/2009	2.09487
12/9/2009	16.0949
6/17/2010	0.0948718
12/22/2010	12.0949
6/29/2011	13.9051
12/7/2011	35.9051
6/6/2012	3.90513
12/12/2012	4.09487
6/19/2013	111.905
12/11/2013	75.9051
6/11/2014	89.9051
12/3/2014	43.9051
6/17/2015	131.905
12/1/2015	26.0949
6/22/2016	76.0949
12/20/2016	89.8949
6/6/2017	6.09487
11/7/2017	177.905
2/27/2018	29.9051
9/27/2018	17.9051
5/7/2019	107.905
11/21/2019	107.905
6/25/2020	8.90513
11/16/2020	13.9051
5/26/2021	51.0949
11/17/2021	144.095
4/8/2022	108.095
10/4/2022	168.695

Concentrations (ppb)

Parameter: Antimony

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 74

Total Non-Detect: 74

Percent Non-Detects: 100%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.005	ND<0.005
			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	14 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/16/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
MW#03-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005

			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW#93-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
			11/16/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW#93-3	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.002	ND<0.002
			6/25/2020	ND<0.005	ND<0.005
			11/16/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 198

Total Non-Detect: 135

Percent Non-Detects: 68.1818%

Total Background Measurements: 40

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	40	31 (77.5%)	6/12/2007	0.0109	0.0109
			12/17/2007	ND<0.005	ND<0.005
			6/11/2008	ND<0.005	ND<0.005
			12/3/2008	ND<0.005	ND<0.005
			6/17/2009	ND<0.005	ND<0.005
			12/9/2009	ND<0.005	ND<0.005
			6/17/2010	ND<0.005	ND<0.005
			12/22/2010	ND<0.005	ND<0.005
			6/29/2011	ND<0.005	ND<0.005
			12/7/2011	ND<0.005	ND<0.005
			6/6/2012	ND<0.005	ND<0.005
			12/12/2012	0.0068	0.0068
			6/19/2013	ND<0.005	ND<0.005
			12/11/2013	ND<0.005	ND<0.005
			6/11/2014	ND<0.005	ND<0.005
			12/3/2014	ND<0.005	ND<0.005
			6/17/2015	ND<0.005	ND<0.005
			12/1/2015	ND<0.005	ND<0.005
			6/22/2016	ND<0	ND<0
			12/20/2016	ND<0.0005	ND<0.0005
			6/6/2017	ND<0.005	ND<0.005
			11/7/2017	ND<0.005	ND<0.005
			2/27/2018	0.006	0.006
			5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			9/27/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			5/7/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	0.000405	0.000405
			11/17/2020	0.000336	0.000336
			5/26/2021	0.000268	0.000268
			11/17/2021	0.000277	0.000277
			4/8/2022	0.000291	0.000291
			10/4/2022	0.000393	0.000393

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

MW#03-1	37	29 (78.3784%)	6/12/2007	ND<0.005	ND<0.005
			12/17/2007	ND<0.005	ND<0.005
			6/11/2008	ND<0.005	ND<0.005
			12/3/2008	ND<0.005	ND<0.005
			6/17/2009	ND<0.005	ND<0.005
			12/9/2009	ND<0.005	ND<0.005
			6/17/2010	ND<0.005	ND<0.005
			12/22/2010	ND<0.005	ND<0.005
			6/29/2011	ND<0.005	ND<0.005
			12/7/2011	ND<0.005	ND<0.005
			6/6/2012	ND<0.005	ND<0.005
			6/19/2013	0.008	0.008
			12/11/2013	ND<0.005	ND<0.005
			6/11/2014	ND<0.005	ND<0.005
			12/3/2014	ND<0.005	ND<0.005
			6/17/2015	ND<0.005	ND<0.005
			12/1/2015	ND<0.005	ND<0.005
			6/22/2016	ND<0	ND<0
			12/20/2016	ND<0.0005	ND<0.0005
			6/6/2017	ND<0.005	ND<0.005
			11/7/2017	ND<0.005	ND<0.005
			2/27/2018	ND<0.005	ND<0.005
			5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	0.0445	0.0445
			8/22/2018	0.123	0.123
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			3/26/2019	ND<0.005	ND<0.005
			5/7/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	0.000538	0.000538
			11/17/2020	0.000677	0.000677
			5/26/2021	0.000249	0.000249
			11/16/2021	0.00062	0.00062
			4/8/2022	0.000455	0.000455

MW#03-2	40	38 (95%)	6/12/2007	ND<0.005	ND<0.005
			12/17/2007	ND<0.005	ND<0.005
			6/11/2008	ND<0.005	ND<0.005
			12/3/2008	ND<0.005	ND<0.005
			6/17/2009	ND<0.005	ND<0.005
			12/9/2009	ND<0.005	ND<0.005
			6/17/2010	ND<0.005	ND<0.005
			12/22/2010	ND<0.005	ND<0.005
			6/29/2011	ND<0.005	ND<0.005
			12/7/2011	ND<0.005	ND<0.005
			6/6/2012	ND<0.005	ND<0.005
			12/12/2012	ND<0.005	ND<0.005
			6/19/2013	ND<0.005	ND<0.005
			12/11/2013	ND<0.005	ND<0.005
			6/11/2014	ND<0.005	ND<0.005
			12/3/2014	ND<0.005	ND<0.005
			6/17/2015	ND<0.005	ND<0.005
			12/1/2015	ND<0.005	ND<0.005
			6/22/2016	ND<0.005	ND<0.005

12/20/2016	ND<0.0005	ND<0.0005
6/6/2017	ND<0.005	ND<0.005
11/7/2017	ND<0.005	ND<0.005
2/27/2018	0.008	0.008
5/24/2018	ND<0.005	ND<0.005
6/19/2018	ND<0.005	ND<0.005
7/19/2018	ND<0.005	ND<0.005
8/22/2018	ND<0.005	ND<0.005
9/19/2018	ND<0.005	ND<0.005
9/27/2018	ND<0.005	ND<0.005
10/18/2018	ND<0.005	ND<0.005
11/20/2018	ND<0.005	ND<0.005
12/20/2018	ND<0.005	ND<0.005
5/7/2019	ND<0.005	ND<0.005
11/21/2019	ND<0.001	ND<0.001
6/25/2020	0.000329	0.000329
11/17/2020	ND<0.001	ND<0.001
5/26/2021	ND<0.001	ND<0.001
11/17/2021	ND<0.001	ND<0.001
4/8/2022	ND<0.001	ND<0.001
10/3/2022	ND<0.001	ND<0.001

MW#93-2	41	3 (7.31707%)	6/12/2007	0.0343	0.0343
			12/17/2007	0.0603	0.0603
			6/11/2008	0.051	0.051
			12/3/2008	0.033	0.033
			6/17/2009	0.0525	0.0525
			12/9/2009	0.0635	0.0635
			6/17/2010	0.0179	0.0179
			12/22/2010	0.0215	0.0215
			6/29/2011	0.061	0.061
			12/7/2011	ND<0.005	ND<0.005
			6/6/2012	0.0098	0.0098
			12/12/2012	0.0562	0.0562
			6/19/2013	ND<0.005	ND<0.005
			12/11/2013	0.0353	0.0353
			6/11/2014	0.0197	0.0197
			12/3/2014	0.0274	0.0274
			6/17/2015	ND<0.005	ND<0.005
			12/1/2015	0.03	0.03
			6/22/2016	0.047	0.047
			12/20/2016	0.06	0.06
			6/6/2017	0.038	0.038
			11/7/2017	0.028	0.028
			2/27/2018	0.024	0.024
			5/24/2018	0.0292	0.0292
			6/19/2018	0.0274	0.0274
			7/19/2018	0.0367	0.0367
			8/22/2018	0.0333	0.0333
			9/19/2018	0.0344	0.0344
			9/27/2018	0.0389	0.0389
			10/18/2018	0.0378	0.0378
			11/20/2018	0.0313	0.0313
			12/20/2018	0.0285	0.0285
			5/7/2019	0.0259	0.0259
			11/21/2019	0.0197	0.0197
			6/25/2020	0.0176	0.0176

			11/16/2020	0.0204	0.0204
			5/26/2021	0.0148	0.0148
			11/17/2021	0.0266	0.0266
			4/8/2022	0.0213	0.0213
			10/4/2022	0.0535	0.0535
			10/4/2022	0.0556	0.0556
MW#93-3	40	34 (85%)	6/12/2007	ND<0.005	ND<0.005
			12/17/2007	ND<0.005	ND<0.005
			6/11/2008	ND<0.005	ND<0.005
			12/3/2008	ND<0.005	ND<0.005
			6/17/2009	ND<0.005	ND<0.005
			12/9/2009	ND<0.005	ND<0.005
			6/17/2010	ND<0.005	ND<0.005
			12/22/2010	ND<0.005	ND<0.005
			6/29/2011	ND<0.005	ND<0.005
			12/7/2011	ND<0.005	ND<0.005
			6/6/2012	ND<0.005	ND<0.005
			12/12/2012	ND<0.005	ND<0.005
			6/19/2013	ND<0.005	ND<0.005
			12/11/2013	ND<0.005	ND<0.005
			6/11/2014	ND<0.005	ND<0.005
			12/3/2014	ND<0.005	ND<0.005
			6/17/2015	ND<0.005	ND<0.005
			12/1/2015	ND<0.005	ND<0.005
			6/22/2016	ND<0.005	ND<0.005
			12/20/2016	ND<0.0005	ND<0.0005
			6/6/2017	ND<0.005	ND<0.005
			11/7/2017	ND<0.005	ND<0.005
			2/27/2018	ND<0.005	ND<0.005
			5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			9/27/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			5/7/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	0.000572	0.000572
			11/16/2020	0.00059	0.00059
			5/26/2021	0.000522	0.000522
			11/17/2021	0.00062	0.00062
			4/8/2022	0.000685	0.000685
			10/4/2022	0.000641	0.000641

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 68.1818%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 40

Maximum Background Value = 0.0109

Confidence Level = 90.9%

False Positive Rate = 9.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.000455	FALSE
MW#03-2	10/3/2022	1	0.001	FALSE
MW#93-2	10/4/2022	2	0.05455	TRUE
MW#93-3	10/4/2022	1	0.000641	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.69231%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 39

Maximum Baseline Concentration = 0.0635

Confidence Level = 97.5%

False Positive Rate = 2.5%

Baseline Measurements	Date	Value
	6/12/2007	0.0343
	12/17/2007	0.0603
	6/11/2008	0.051
	12/3/2008	0.033
	6/17/2009	0.0525
	12/9/2009	0.0635
	6/17/2010	0.0179
	12/22/2010	0.0215
	6/29/2011	0.061
	12/7/2011	ND<0.005
	6/6/2012	0.0098
	12/12/2012	0.0562
	6/19/2013	ND<0.005
	12/11/2013	0.0353
	6/11/2014	0.0197
	12/3/2014	0.0274
	6/17/2015	ND<0.005
	12/1/2015	0.03
	6/22/2016	0.047
	12/20/2016	0.06
	6/6/2017	0.038
	11/7/2017	0.028
	2/27/2018	0.024
	5/24/2018	0.0292
	6/19/2018	0.0274
	7/19/2018	0.0367
	8/22/2018	0.0333
	9/19/2018	0.0344
	9/27/2018	0.0389
	10/18/2018	0.0378
	11/20/2018	0.0313
	12/20/2018	0.0285
	5/7/2019	0.0259
	11/21/2019	0.0197
	6/25/2020	0.0176
	11/16/2020	0.0204
	5/26/2021	0.0148
	11/17/2021	0.0266
	4/8/2022	0.0213

Date **Count** **Mean** **Significant**

10/4/2022

2

0.05455

FALSE

Shapiro-Francia Test of Normality

Parameter: Arsenic

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 198

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0	-2.57583	6.63492	0
2	0	-2.32634	12.0468	0
3	0.000249	-2.17009	16.7561	-0.000540353
4	0.000268	-2.05375	20.974	-0.00109076
5	0.000277	-1.95996	24.8154	-0.00163367
6	0.000291	-1.88079	28.3528	-0.00218098
7	0.000329	-1.81191	31.6358	-0.0027771
8	0.000336	-1.75069	34.7007	-0.00336533
9	0.000393	-1.6954	37.5751	-0.00403162
10	0.000405	-1.64485	40.2806	-0.00469778
11	0.000455	-1.59819	42.8348	-0.00542496
12	0.0005	-1.55477	45.2522	-0.00620235
13	0.0005	-1.5141	47.5447	-0.0069594
14	0.0005	-1.47579	49.7226	-0.00769729
15	0.0005	-1.43953	51.7949	-0.00841706
16	0.000522	-1.40507	53.7691	-0.00915051
17	0.000538	-1.3722	55.6521	-0.00988875
18	0.000572	-1.34075	57.4497	-0.0106557
19	0.00059	-1.31058	59.1673	-0.0114289
20	0.00062	-1.28155	60.8097	-0.0122235
21	0.00062	-1.25357	62.3811	-0.0130007
22	0.000641	-1.22653	63.8855	-0.0137869
23	0.000677	-1.20036	65.3263	-0.0145995
24	0.000685	-1.17499	66.7069	-0.0154044
25	0.001	-1.15035	68.0302	-0.0165547
26	0.001	-1.12639	69.299	-0.0176811
27	0.001	-1.10306	70.5157	-0.0187842
28	0.001	-1.08032	71.6828	-0.0198645
29	0.001	-1.05812	72.8025	-0.0209226
30	0.001	-1.03643	73.8766	-0.0219591
31	0.001	-1.01522	74.9073	-0.0229743
32	0.001	-0.994457	75.8963	-0.0239688
33	0.001	-0.974114	76.8452	-0.0249429
34	0.005	-0.954165	77.7556	-0.0297137
35	0.005	-0.93459	78.6291	-0.0343866
36	0.005	-0.915365	79.4669	-0.0389635
37	0.005	-0.896473	80.2706	-0.0434458
38	0.005	-0.877897	81.0413	-0.0478353
39	0.005	-0.859618	81.7803	-0.0521334
40	0.005	-0.838054	82.4826	-0.0563237
41	0.005	-0.820379	83.1556	-0.0604256
42	0.005	-0.802956	83.8004	-0.0644404
43	0.005	-0.785774	84.4178	-0.0683692
44	0.005	-0.768821	85.0089	-0.0722133
45	0.005	-0.752084	85.5745	-0.0759737
46	0.005	-0.735557	86.1156	-0.0796515
47	0.005	-0.719228	86.6328	-0.0832477

48	0.005	-0.703089	87.1272	-0.0867631
49	0.005	-0.687131	87.5993	-0.0901988
50	0.005	-0.671346	88.05	-0.0935555
51	0.005	-0.655726	88.48	-0.0968341
52	0.005	-0.640266	88.89	-0.100035
53	0.005	-0.624956	89.2805	-0.10316
54	0.005	-0.609791	89.6524	-0.106209
55	0.005	-0.594766	90.0061	-0.109183
56	0.005	-0.579873	90.3424	-0.112082
57	0.005	-0.565108	90.6617	-0.114908
58	0.005	-0.550465	90.9647	-0.11766
59	0.005	-0.53594	91.252	-0.12034
60	0.005	-0.521527	91.5239	-0.122948
61	0.005	-0.507221	91.7812	-0.125484
62	0.005	-0.493018	92.0243	-0.127949
63	0.005	-0.478914	92.2536	-0.130343
64	0.005	-0.464904	92.4698	-0.132668
65	0.005	-0.450985	92.6732	-0.134923
66	0.005	-0.437153	92.8643	-0.137109
67	0.005	-0.423405	93.0435	-0.139226
68	0.005	-0.409735	93.2114	-0.141274
69	0.005	-0.396142	93.3684	-0.143255
70	0.005	-0.382622	93.5148	-0.145168
71	0.005	-0.369171	93.651	-0.147014
72	0.005	-0.355788	93.7776	-0.148793
73	0.005	-0.342466	93.8949	-0.150505
74	0.005	-0.329206	94.0033	-0.152151
75	0.005	-0.316004	94.1031	-0.153731
76	0.005	-0.302855	94.1949	-0.155246
77	0.005	-0.28976	94.2788	-0.156694
78	0.005	-0.276714	94.3554	-0.158078
79	0.005	-0.263715	94.4249	-0.159396
80	0.005	-0.248174	94.4865	-0.160637
81	0.005	-0.235269	94.5419	-0.161814
82	0.005	-0.222403	94.5913	-0.162926
83	0.005	-0.209575	94.6353	-0.163974
84	0.005	-0.196779	94.674	-0.164957
85	0.005	-0.184017	94.7079	-0.165878
86	0.005	-0.171285	94.7372	-0.166734
87	0.005	-0.158579	94.7623	-0.167527
88	0.005	-0.1459	94.7836	-0.168256
89	0.005	-0.133244	94.8014	-0.168923
90	0.005	-0.12061	94.8159	-0.169526
91	0.005	-0.107995	94.8276	-0.170066
92	0.005	-0.0953969	94.8367	-0.170543
93	0.005	-0.0828129	94.8435	-0.170957
94	0.005	-0.0702426	94.8485	-0.171308
95	0.005	-0.0576847	94.8518	-0.171596
96	0.005	-0.0451348	94.8538	-0.171822
97	0.005	-0.0325917	94.8549	-0.171985
98	0.005	-0.0200544	94.8553	-0.172085
99	0.005	-0.00751925	94.8554	-0.172123
100	0.005	0.00751925	94.8554	-0.172085
101	0.005	0.0200544	94.8558	-0.171985
102	0.005	0.0325917	94.8569	-0.171822
103	0.005	0.0451348	94.8589	-0.171596
104	0.005	0.0576847	94.8623	-0.171308

105	0.005	0.0702426	94.8672	-0.170957
106	0.005	0.0828129	94.874	-0.170543
107	0.005	0.0953969	94.8831	-0.170066
108	0.005	0.107995	94.8948	-0.169526
109	0.005	0.12061	94.9094	-0.168923
110	0.005	0.133244	94.9271	-0.168256
111	0.005	0.1459	94.9484	-0.167527
112	0.005	0.158579	94.9735	-0.166734
113	0.005	0.171285	95.0029	-0.165878
114	0.005	0.184017	95.0367	-0.164957
115	0.005	0.196779	95.0755	-0.163974
116	0.005	0.209575	95.1194	-0.162926
117	0.005	0.222403	95.1689	-0.161814
118	0.005	0.235269	95.2242	-0.160637
119	0.005	0.248174	95.2858	-0.159396
120	0.005	0.263715	95.3553	-0.158078
121	0.005	0.276714	95.4319	-0.156694
122	0.005	0.28976	95.5159	-0.155246
123	0.005	0.302855	95.6076	-0.153731
124	0.005	0.316004	95.7075	-0.152151
125	0.005	0.329206	95.8158	-0.150505
126	0.005	0.342466	95.9331	-0.148793
127	0.005	0.355788	96.0597	-0.147014
128	0.005	0.369171	96.196	-0.145168
129	0.005	0.382622	96.3424	-0.143255
130	0.005	0.396142	96.4993	-0.141274
131	0.005	0.409735	96.6672	-0.139226
132	0.005	0.423405	96.8465	-0.137109
133	0.005	0.437153	97.0376	-0.134923
134	0.005	0.450985	97.241	-0.132668
135	0.005	0.464904	97.4571	-0.130343
136	0.005	0.478914	97.6865	-0.127949
137	0.005	0.493018	97.9295	-0.125484
138	0.005	0.507221	98.1868	-0.122948
139	0.005	0.521527	98.4588	-0.12034
140	0.005	0.53594	98.746	-0.11766
141	0.005	0.550465	99.049	-0.114908
142	0.005	0.565108	99.3684	-0.112082
143	0.005	0.579873	99.7046	-0.109183
144	0.005	0.594766	100.058	-0.106209
145	0.005	0.609791	100.43	-0.10316
146	0.005	0.624956	100.821	-0.100035
147	0.005	0.640266	101.231	-0.0968341
148	0.005	0.655726	101.661	-0.0935555
149	0.005	0.671346	102.111	-0.0901988
150	0.005	0.687131	102.584	-0.0867631
151	0.005	0.703089	103.078	-0.0832477
152	0.005	0.719228	103.595	-0.0796515
153	0.005	0.735557	104.136	-0.0759737
154	0.006	0.752084	104.702	-0.0714612
155	0.0068	0.768821	105.293	-0.0662333
156	0.008	0.785774	105.91	-0.0599471
157	0.008	0.802956	106.555	-0.0535234
158	0.0098	0.820379	107.228	-0.0454837
159	0.0109	0.838054	107.93	-0.0363489
160	0.0148	0.859618	108.669	-0.0236266
161	0.0176	0.877897	109.44	-0.00817559

162	0.0179	0.896473	110.244	0.00787128
163	0.0197	0.915365	111.082	0.025904
164	0.0197	0.93459	111.955	0.0443154
165	0.0204	0.954165	112.866	0.0637804
166	0.0213	0.974114	113.814	0.084529
167	0.0215	0.994457	114.803	0.10591
168	0.024	1.01522	115.834	0.130275
169	0.0259	1.03643	116.908	0.157119
170	0.0266	1.05812	118.028	0.185265
171	0.0274	1.08032	119.195	0.214866
172	0.0274	1.10306	120.412	0.245089
173	0.028	1.12639	121.68	0.276628
174	0.0285	1.15035	123.004	0.309413
175	0.0292	1.17499	124.384	0.343723
176	0.03	1.20036	125.825	0.379734
177	0.0313	1.22653	127.33	0.418124
178	0.033	1.25357	128.901	0.459492
179	0.0333	1.28155	130.543	0.502167
180	0.0343	1.31058	132.261	0.54712
181	0.0344	1.34075	134.059	0.593242
182	0.0353	1.3722	135.942	0.641681
183	0.0367	1.40507	137.916	0.693247
184	0.0378	1.43953	139.988	0.747662
185	0.038	1.47579	142.166	0.803742
186	0.0389	1.5141	144.459	0.86264
187	0.0445	1.55477	146.876	0.931828
188	0.047	1.59819	149.43	1.00694
189	0.051	1.64485	152.136	1.09083
190	0.0525	1.6954	155.01	1.17984
191	0.0535	1.75069	158.075	1.2735
192	0.0556	1.81191	161.358	1.37424
193	0.0562	1.88079	164.895	1.47994
194	0.06	1.95996	168.737	1.59754
195	0.0603	2.05375	172.955	1.72138
196	0.061	2.17009	177.664	1.85376
197	0.0635	2.32634	183.076	2.00148
198	0.123	2.57583	189.711	2.31831

Data Set Standard Deviation = 0.0161135

Numerator = 5.37455

Denominator = 9.70367

W Statistic = 0.553868 = 5.37455 / 9.70367

5% Critical value of 0.976 exceeds 0.553868

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.553868

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00507128

Overall Std Dev = 0.0103315

Overall Total = 1.00411

SS Groups = 0.00433602

SS Total = 0.0210279

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.00433602	4	0.00108401	12.5338
Error (within groups)	0.0166919	193	8.64865e-005	
Totals	0.0210279	197		

95% F-Statistic = 2.37

12.5338 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
6/12/2007	0.00672075
12/17/2007	0.00082075
6/11/2008	0.00082075
12/3/2008	0.00082075
6/17/2009	0.00082075
12/9/2009	0.00082075
6/17/2010	0.00082075
12/22/2010	0.00082075
6/29/2011	0.00082075
12/7/2011	0.00082075
6/6/2012	0.00082075
12/12/2012	0.00262075
6/19/2013	0.00082075
12/11/2013	0.00082075
6/11/2014	0.00082075
12/3/2014	0.00082075
6/17/2015	0.00082075
12/1/2015	0.00082075
6/22/2016	0.00417925
12/20/2016	0.00367925
6/6/2017	0.00082075
11/7/2017	0.00082075
2/27/2018	0.00182075
5/24/2018	0.00082075
6/19/2018	0.00082075
7/19/2018	0.00082075
8/22/2018	0.00082075
9/19/2018	0.00082075
9/27/2018	0.00082075
10/18/2018	0.00082075

11/20/2018	0.00082075
12/20/2018	0.00082075
5/7/2019	0.00082075
11/21/2019	0.00317925
6/25/2020	0.00377425
11/17/2020	0.00384325
5/26/2021	0.00391125
11/17/2021	0.00390225
4/8/2022	0.00388825
10/4/2022	0.00378625

Group: MW#03-1

Date	Residual
6/12/2007	0.00336592
12/17/2007	0.00336592
6/11/2008	0.00336592
12/3/2008	0.00336592
6/17/2009	0.00336592
12/9/2009	0.00336592
6/17/2010	0.00336592
12/22/2010	0.00336592
6/29/2011	0.00336592
12/7/2011	0.00336592
6/6/2012	0.00336592
6/19/2013	0.000365919
12/11/2013	0.00336592
6/11/2014	0.00336592
12/3/2014	0.00336592
6/17/2015	0.00336592
12/1/2015	0.00336592
6/22/2016	0.00836592
12/20/2016	0.00786592
6/6/2017	0.00336592
11/7/2017	0.00336592
2/27/2018	0.00336592
5/24/2018	0.00336592
6/19/2018	0.00336592
7/19/2018	0.0361341
8/22/2018	0.114634
10/18/2018	0.00336592
11/20/2018	0.00336592
12/20/2018	0.00336592
3/26/2019	0.00336592
5/7/2019	0.00336592
11/21/2019	0.00736592
6/25/2020	0.00782792
11/17/2020	0.00768892
5/26/2021	0.00811692
11/16/2021	0.00774592
4/8/2022	0.00791092

Group: MW#03-2

Date	Residual
6/12/2007	0.000754275
12/17/2007	0.000754275
6/11/2008	0.000754275
12/3/2008	0.000754275
6/17/2009	0.000754275
12/9/2009	0.000754275

6/17/2010	0.000754275
12/22/2010	0.000754275
6/29/2011	0.000754275
12/7/2011	0.000754275
6/6/2012	0.000754275
12/12/2012	0.000754275
6/19/2013	0.000754275
12/11/2013	0.000754275
6/11/2014	0.000754275
12/3/2014	0.000754275
6/17/2015	0.000754275
12/1/2015	0.000754275
6/22/2016	0.000754275
12/20/2016	0.00374573
6/6/2017	0.000754275
11/7/2017	0.000754275
2/27/2018	0.00375427
5/24/2018	0.000754275
6/19/2018	0.000754275
7/19/2018	0.000754275
8/22/2018	0.000754275
9/19/2018	0.000754275
9/27/2018	0.000754275
10/18/2018	0.000754275
11/20/2018	0.000754275
12/20/2018	0.000754275
5/7/2019	0.000754275
11/21/2019	0.00324573
6/25/2020	0.00391673
11/17/2020	0.00324573
5/26/2021	0.00324573
11/17/2021	0.00324573
4/8/2022	0.00324573
10/3/2022	0.00324573

Group: MW#93-2

Date	Residual
6/12/2007	0.00165854
12/17/2007	0.0276585
6/11/2008	0.0183585
12/3/2008	0.000358537
6/17/2009	0.0198585
12/9/2009	0.0308585
6/17/2010	0.0147415
12/22/2010	0.0111415
6/29/2011	0.0283585
12/7/2011	0.0276415
6/6/2012	0.0228415
12/12/2012	0.0235585
6/19/2013	0.0276415
12/11/2013	0.00265854
6/11/2014	0.0129415
12/3/2014	0.00524146
6/17/2015	0.0276415
12/1/2015	0.00264146
6/22/2016	0.0143585
12/20/2016	0.0273585
6/6/2017	0.00535854

11/7/2017	0.00464146
2/27/2018	0.00864146
5/24/2018	0.00344146
6/19/2018	0.00524146
7/19/2018	0.00405854
8/22/2018	0.000658537
9/19/2018	0.00175854
9/27/2018	0.00625854
10/18/2018	0.00515854
11/20/2018	0.00134146
12/20/2018	0.00414146
5/7/2019	0.00674146
11/21/2019	0.0129415
6/25/2020	0.0150415
11/16/2020	0.0122415
5/26/2021	0.0178415
11/17/2021	0.00604146
4/8/2022	0.0113415
10/4/2022	0.0208585
10/4/2022	0.0229585

Group: MW#93-3

Date	Residual
6/12/2007	0.00087175
12/17/2007	0.00087175
6/11/2008	0.00087175
12/3/2008	0.00087175
6/17/2009	0.00087175
12/9/2009	0.00087175
6/17/2010	0.00087175
12/22/2010	0.00087175
6/29/2011	0.00087175
12/7/2011	0.00087175
6/6/2012	0.00087175
12/12/2012	0.00087175
6/19/2013	0.00087175
12/11/2013	0.00087175
6/11/2014	0.00087175
12/3/2014	0.00087175
6/17/2015	0.00087175
12/1/2015	0.00087175
6/22/2016	0.00087175
12/20/2016	0.00362825
6/6/2017	0.00087175
11/7/2017	0.00087175
2/27/2018	0.00087175
5/24/2018	0.00087175
6/19/2018	0.00087175
7/19/2018	0.00087175
8/22/2018	0.00087175
9/19/2018	0.00087175
9/27/2018	0.00087175
10/18/2018	0.00087175
11/20/2018	0.00087175
12/20/2018	0.00087175
5/7/2019	0.00087175
11/21/2019	0.00312825
6/25/2020	0.00355625

11/16/2020	0.00353825
5/26/2021	0.00360625
11/17/2021	0.00350825
4/8/2022	0.00344325
10/4/2022	0.00348725

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.14286%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 0.259

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	0.214
	6/19/2018	0.201
	7/19/2018	0.259
	8/22/2018	0.184
	9/19/2018	0.228
	10/18/2018	0.241
	11/20/2018	ND<0.01
	12/20/2018	0.259
	11/21/2019	0.116
	6/25/2020	0.0604
	11/16/2020	0.0604
	5/26/2021	0.0627
	11/17/2021	0.0604
	4/8/2022	0.064

Date	Count	Mean	Significant
10/4/2022	1	0.0503	FALSE

Concentrations (ppb)

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 2

Percent Non-Detects: 2.66667%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	0 (0%)	5/24/2018	0.0246	0.0246
			6/19/2018	0.0239	0.0239
			7/19/2018	0.0202	0.0202
			8/22/2018	0.0152	0.0152
			9/19/2018	0.0267	0.0267
			10/18/2018	0.0213	0.0213
			11/20/2018	0.0267	0.0267
			12/20/2018	0.0175	0.0175
			11/21/2019	0.0321	0.0321
			6/25/2020	0.0283	0.0283
			11/17/2020	0.0405	0.0405
			5/26/2021	0.0132	0.0132
			11/17/2021	0.0173	0.0173
			4/8/2022	0.0199	0.0199
			10/4/2022	0.0189	0.0189

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	0 (0%)	5/24/2018	0.0519	0.0519
			6/19/2018	0.0752	0.0752
			7/19/2018	0.671	0.671
			8/22/2018	2	2
			10/18/2018	0.184	0.184
			11/20/2018	0.0663	0.0663
			12/20/2018	0.0375	0.0375
			3/26/2019	0.0384	0.0384
			11/21/2019	0.0449	0.0449
			6/25/2020	0.0776	0.0776
			11/17/2020	0.19	0.19
			5/26/2021	0.0293	0.0293
			11/16/2021	0.064	0.064
			4/8/2022	0.0301	0.0301
MW#03-2	15	1 (6.66667%)	5/24/2018	0.0519	0.0519
			6/19/2018	0.0391	0.0391
			7/19/2018	0.044	0.044
			8/22/2018	0.0409	0.0409
			9/19/2018	0.0447	0.0447
			10/18/2018	0.0463	0.0463
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	0.0443	0.0443
			11/21/2019	0.044	0.044
			6/25/2020	0.0348	0.0348

			11/17/2020	0.0395	0.0395
			5/26/2021	0.0335	0.0335
			11/17/2021	0.0329	0.0329
			4/8/2022	0.0301	0.0301
			10/3/2022	0.0281	0.0281
MW#93-2	16	0 (0%)	5/24/2018	0.0604	0.0604
			6/19/2018	0.0538	0.0538
			7/19/2018	0.0583	0.0583
			8/22/2018	0.0612	0.0612
			9/19/2018	0.0641	0.0641
			10/18/2018	0.0669	0.0669
			11/20/2018	0.069	0.069
			12/20/2018	0.0651	0.0651
			11/21/2019	0.1	0.1
			6/25/2020	0.147	0.147
			11/16/2020	0.151	0.151
			5/26/2021	0.126	0.126
			11/17/2021	0.127	0.127
			4/8/2022	0.141	0.141
			10/4/2022	0.127	0.127
			10/4/2022	0.132	0.132
MW#93-3	15	1 (6.66667%)	5/24/2018	0.214	0.214
			6/19/2018	0.201	0.201
			7/19/2018	0.259	0.259
			8/22/2018	0.184	0.184
			9/19/2018	0.228	0.228
			10/18/2018	0.241	0.241
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	0.259	0.259
			11/21/2019	0.116	0.116
			6/25/2020	0.0604	0.0604
			11/16/2020	0.0604	0.0604
			5/26/2021	0.0627	0.0627
			11/17/2021	0.0604	0.0604
			4/8/2022	0.064	0.064
			10/4/2022	0.0503	0.0503

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 2.66667%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.0405

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.0301	FALSE
MW#03-2	10/3/2022	1	0.0281	FALSE
MW#93-2	10/4/2022	2	0.1295	TRUE
MW#93-3	10/4/2022	1	0.0503	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 0.151

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	0.0604
	6/19/2018	0.0538
	7/19/2018	0.0583
	8/22/2018	0.0612
	9/19/2018	0.0641
	10/18/2018	0.0669
	11/20/2018	0.069
	12/20/2018	0.0651
	11/21/2019	0.1
	6/25/2020	0.147
	11/16/2020	0.151
	5/26/2021	0.126
	11/17/2021	0.127
	4/8/2022	0.141

Date	Count	Mean	Significant
10/4/2022	2	0.1295	FALSE

Shapiro-Francia Test of Normality

Parameter: Barium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 75

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.01	-2.22621	4.956	-0.0222621
2	0.01	-1.94314	8.73177	-0.0416934
3	0.0132	-1.76241	11.8379	-0.0649572
4	0.0152	-1.62576	14.481	-0.0896688
5	0.0173	-1.5141	16.7735	-0.115863
6	0.0175	-1.41865	18.786	-0.140689
7	0.0189	-1.32854	20.5511	-0.165799
8	0.0199	-1.25357	22.1225	-0.190745
9	0.0202	-1.18504	23.5268	-0.214682
10	0.0213	-1.12168	24.785	-0.238574
11	0.0239	-1.06252	25.9139	-0.263968
12	0.0246	-1.00687	26.9277	-0.288737
13	0.0267	-0.950222	27.8306	-0.314108
14	0.0267	-0.900227	28.641	-0.338144
15	0.0281	-0.852385	29.3676	-0.362096
16	0.0283	-0.806422	30.0179	-0.384918
17	0.0293	-0.7621	30.5987	-0.407248
18	0.0301	-0.719228	31.116	-0.428896
19	0.0301	-0.67449	31.5709	-0.449199
20	0.0321	-0.634124	31.9731	-0.469554
21	0.0329	-0.594766	32.3268	-0.489122
22	0.0335	-0.556308	32.6363	-0.507758
23	0.0348	-0.518658	32.9053	-0.525807
24	0.0375	-0.481728	33.1373	-0.543872
25	0.0384	-0.445443	33.3358	-0.560977
26	0.0391	-0.40701	33.5014	-0.576891
27	0.0395	-0.371856	33.6397	-0.59158
28	0.0405	-0.337155	33.7534	-0.605234
29	0.0409	-0.302855	33.8451	-0.617621
30	0.044	-0.268908	33.9174	-0.629453
31	0.044	-0.235269	33.9728	-0.639805
32	0.0443	-0.199336	34.0125	-0.648635
33	0.0447	-0.166199	34.0401	-0.656065
34	0.0449	-0.133244	34.0579	-0.662047
35	0.0463	-0.100433	34.068	-0.666697
36	0.0503	-0.0677301	34.0725	-0.670104
37	0.0519	-0.0350997	34.0738	-0.671926
38	0.0519	0	34.0738	-0.671926
39	0.0538	0.0350997	34.075	-0.670037
40	0.0583	0.0677301	34.0796	-0.666089
41	0.0604	0.100433	34.0897	-0.660023
42	0.0604	0.133244	34.1074	-0.651975
43	0.0604	0.166199	34.1351	-0.641936
44	0.0604	0.199336	34.1748	-0.629896
45	0.0612	0.235269	34.2301	-0.615498
46	0.0627	0.268908	34.3025	-0.598637
47	0.064	0.302855	34.3942	-0.579255

48	0.064	0.337155	34.5078	-0.557677
49	0.0641	0.371856	34.6461	-0.533841
50	0.0651	0.40701	34.8118	-0.507344
51	0.0663	0.445443	35.0102	-0.477811
52	0.0669	0.481728	35.2423	-0.445584
53	0.069	0.518658	35.5113	-0.409796
54	0.0752	0.556308	35.8207	-0.367962
55	0.0776	0.594766	36.1745	-0.321808
56	0.1	0.634124	36.5766	-0.258396
57	0.116	0.67449	37.0315	-0.180155
58	0.126	0.719228	37.5488	-0.0895322
59	0.127	0.7621	38.1296	0.00725444
60	0.127	0.806422	38.7799	0.10967
61	0.132	0.852385	39.5065	0.222185
62	0.141	0.900227	40.3169	0.349117
63	0.147	0.950222	41.2198	0.488799
64	0.151	1.00687	42.2336	0.640836
65	0.184	1.06252	43.3626	0.83634
66	0.184	1.12168	44.6207	1.04273
67	0.19	1.18504	46.0251	1.26789
68	0.201	1.25357	47.5965	1.51985
69	0.214	1.32854	49.3615	1.80416
70	0.228	1.41865	51.3741	2.12761
71	0.241	1.5141	53.6666	2.49251
72	0.259	1.62576	56.3097	2.91359
73	0.259	1.76241	59.4158	3.37005
74	0.671	1.94314	63.1916	4.67389
75	2	2.22621	68.1475	9.12631

Data Set Standard Deviation = 0.24046

Numerator = 83.2895

Denominator = 291.586

W Statistic = 0.285643 = 83.2895 / 291.586

5% Critical value of 0.969 exceeds 0.285643

Evidence of non-normality at 95% level of significance

1% Critical value of 0.956 exceeds 0.285643

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.0841557

Overall Std Dev = 0.209567

Overall Total = 6.31168

SS Groups = 0.927658

SS Total = 3.24996

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.927658	4	0.231915	6.9905
Error (within groups)	2.3223	70	0.0331757	
Totals	3.24996	74		

95% F-Statistic = 2.44724

6.9905 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.00151333
6/19/2018	0.000813333
7/19/2018	0.00288667
8/22/2018	0.00788667
9/19/2018	0.00361333
10/18/2018	0.00178667
11/20/2018	0.00361333
12/20/2018	0.00558667
11/21/2019	0.00901333
6/25/2020	0.00521333
11/17/2020	0.0174133
5/26/2021	0.00988667
11/17/2021	0.00578667
4/8/2022	0.00318667
10/4/2022	0.00418667

Group: MW#03-1

Date	Residual
5/24/2018	0.2024
6/19/2018	0.1791
7/19/2018	0.4167
8/22/2018	1.7457
10/18/2018	0.0703
11/20/2018	0.188
12/20/2018	0.2168
3/26/2019	0.2159
11/21/2019	0.2094
6/25/2020	0.1767
11/17/2020	0.0643
5/26/2021	0.225
11/16/2021	0.1903

4/8/2022 0.2242

Group: MW#03-2

Date	Residual
5/24/2018	0.0142933
6/19/2018	0.00149333
7/19/2018	0.00639333
8/22/2018	0.00329333
9/19/2018	0.00709333
10/18/2018	0.00869333
11/20/2018	0.0276067
12/20/2018	0.00669333
11/21/2019	0.00639333
6/25/2020	0.00280667
11/17/2020	0.00189333
5/26/2021	0.00410667
11/17/2021	0.00470667
4/8/2022	0.00750667
10/3/2022	0.00950667

Group: MW#93-2

Date	Residual
5/24/2018	0.0364625
6/19/2018	0.0430625
7/19/2018	0.0385625
8/22/2018	0.0356625
9/19/2018	0.0327625
10/18/2018	0.0299625
11/20/2018	0.0278625
12/20/2018	0.0317625
11/21/2019	0.0031375
6/25/2020	0.0501375
11/16/2020	0.0541375
5/26/2021	0.0291375
11/17/2021	0.0301375
4/8/2022	0.0441375
10/4/2022	0.0301375
10/4/2022	0.0351375

Group: MW#93-3

Date	Residual
5/24/2018	0.0759867
6/19/2018	0.0629867
7/19/2018	0.120987
8/22/2018	0.0459867
9/19/2018	0.0899867
10/18/2018	0.102987
11/20/2018	0.128013
12/20/2018	0.120987
11/21/2019	0.0220133
6/25/2020	0.0776133
11/16/2020	0.0776133
5/26/2021	0.0753133
11/17/2021	0.0776133
4/8/2022	0.0740133
10/4/2022	0.0877133

Concentrations (ppb)

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 93

Total Non-Detect: 36

Percent Non-Detects: 38.7097%

Total Background Measurements: 19

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	19	0 (0%)	10/11/2016	0.429	0.429
			12/20/2016	0.386	0.386
			2/16/2017	0.341	0.341
			3/8/2017	0.348	0.348
			5/9/2017	0.366	0.366
			6/6/2017	0.371	0.371
			8/22/2017	0.458	0.458
			9/22/2017	0.499	0.499
			11/7/2017	0.46	0.46
			2/27/2018	0.33	0.33
			9/27/2018	0.386	0.386
			5/7/2019	0.178	0.178
			11/21/2019	0.303	0.303
			6/25/2020	0.185	0.185
			11/17/2020	0.211	0.211
			5/26/2021	0.227	0.227
			11/17/2021	0.322	0.322
4/8/2022	0.321	0.321			
10/4/2022	0.338	0.338			

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	17	14 (82.3529%)	10/11/2016	ND<0.025	ND<0.025
			12/20/2016	ND<0.025	ND<0.025
			2/16/2017	ND<0.025	ND<0.025
			3/8/2017	ND<0.025	ND<0.025
			5/9/2017	0.041	0.041
			6/6/2017	ND<0.025	ND<0.025
			8/22/2017	ND<0.025	ND<0.025
			9/22/2017	0.025	0.025
			11/7/2017	ND<0.1	ND<0.1
			2/27/2018	0.05	0.05
			5/7/2019	ND<0.1	ND<0.1
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	ND<0.2	ND<0.2
			11/17/2020	ND<0.2	ND<0.2
			5/26/2021	ND<0.2	ND<0.2
			11/16/2021	ND<0.2	ND<0.2
			4/8/2022	ND<0.2	ND<0.2
MW#03-2	18	17 (94.4444%)	10/11/2016	ND<0.025	ND<0.025
			12/20/2016	ND<0.025	ND<0.025
			2/16/2017	ND<0.025	ND<0.025

			3/8/2017	ND<0.025	ND<0.025
			5/9/2017	0.032	0.032
			6/6/2017	ND<0.025	ND<0.025
			8/22/2017	ND<0.025	ND<0.025
			9/22/2017	ND<0.025	ND<0.025
			11/7/2017	ND<0.1	ND<0.1
			2/27/2018	ND<0.05	ND<0.05
			5/7/2019	ND<0.1	ND<0.1
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	ND<0.2	ND<0.2
			11/17/2020	ND<0.2	ND<0.2
			5/26/2021	ND<0.2	ND<0.2
			11/17/2021	ND<0.2	ND<0.2
			4/8/2022	ND<0.2	ND<0.2
			10/3/2022	ND<0.2	ND<0.2
<hr/>					
MW#93-2	20	0 (0%)	10/11/2016	2.86	2.86
			12/20/2016	2.31	2.31
			2/16/2017	2.09	2.09
			3/8/2017	2.07	2.07
			5/9/2017	1.97	1.97
			6/6/2017	1.83	1.83
			8/22/2017	2.38	2.38
			9/22/2017	2.48	2.48
			11/7/2017	0.46	0.46
			2/27/2018	0.064	0.064
			9/27/2018	2.01	2.01
			5/7/2019	1.61	1.61
			11/21/2019	1.76	1.76
			6/25/2020	1.74	1.74
			11/16/2020	1.76	1.76
			5/26/2021	1.59	1.59
			11/17/2021	1.71	1.71
			4/8/2022	1.42	1.42
			10/4/2022	1.84	1.84
			10/4/2022	1.92	1.92
<hr/>					
MW#93-3	19	5 (26.3158%)	10/11/2016	0.079	0.079
			12/20/2016	0.08	0.08
			2/16/2017	0.126	0.126
			3/8/2017	0.09	0.09
			5/9/2017	0.139	0.139
			6/6/2017	ND<0.025	ND<0.025
			8/22/2017	0.119	0.119
			9/22/2017	0.118	0.118
			11/7/2017	ND<0.1	ND<0.1
			2/27/2018	0.089	0.089
			9/27/2018	ND<0.1	ND<0.1
			5/7/2019	ND<0.1	ND<0.1
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.0726	0.0726
			11/16/2020	0.0762	0.0762
			5/26/2021	0.0889	0.0889
			11/17/2021	0.0912	0.0912
			4/8/2022	0.0765	0.0765
			10/4/2022	0.0927	0.0927

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 38.7097%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 19

Maximum Background Value = 0.499

Confidence Level = 82.6%

False Positive Rate = 17.4%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.2	FALSE
MW#03-2	10/3/2022	1	0.2	FALSE
MW#93-2	10/4/2022	2	1.88	TRUE
MW#93-3	10/4/2022	1	0.0927	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 18

Maximum Baseline Concentration = 2.86

Confidence Level = 94.7%

False Positive Rate = 5.3%

Baseline Measurements	Date	Value
	10/11/2016	2.86
	12/20/2016	2.31
	2/16/2017	2.09
	3/8/2017	2.07
	5/9/2017	1.97
	6/6/2017	1.83
	8/22/2017	2.38
	9/22/2017	2.48
	11/7/2017	0.46
	2/27/2018	0.064
	9/27/2018	2.01
	5/7/2019	1.61
	11/21/2019	1.76
	6/25/2020	1.74
	11/16/2020	1.76
	5/26/2021	1.59
	11/17/2021	1.71
	4/8/2022	1.42

Date	Count	Mean	Significant
10/4/2022	2	1.88	FALSE

Shapiro-Francia Test of Normality

Parameter: Boron

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 93

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.025	-2.32634	5.41187	-0.0581585
2	0.025	-2.03352	9.54707	-0.108997
3	0.025	-1.86629	13.0301	-0.155654
4	0.025	-1.72793	16.0159	-0.198852
5	0.025	-1.61644	18.6287	-0.239263
6	0.025	-1.53007	20.9698	-0.277515
7	0.025	-1.44663	23.0626	-0.313681
8	0.025	-1.3722	24.9455	-0.347986
9	0.025	-1.31058	26.6631	-0.38075
10	0.025	-1.24809	28.2209	-0.411952
11	0.025	-1.19012	29.6372	-0.441705
12	0.025	-1.14069	30.9384	-0.470222
13	0.025	-1.08935	32.1251	-0.497456
14	0.025	-1.04505	33.2172	-0.523582
15	0.025	-0.998575	34.2144	-0.548547
16	0.032	-0.954165	35.1248	-0.57908
17	0.041	-0.915365	35.9627	-0.61661
18	0.05	-0.874218	36.727	-0.660321
19	0.05	-0.834498	37.4233	-0.702046
20	0.064	-0.7995	38.0625	-0.753214
21	0.0726	-0.7621	38.6433	-0.808542
22	0.0762	-0.725736	39.17	-0.863843
23	0.0765	-0.693493	39.651	-0.916896
24	0.079	-0.658838	40.085	-0.968944
25	0.08	-0.628006	40.4794	-1.01918
26	0.0889	-0.594766	40.8332	-1.07206
27	0.089	-0.56217	41.1492	-1.12209
28	0.09	-0.533048	41.4334	-1.17007
29	0.0912	-0.501527	41.6849	-1.21581
30	0.0927	-0.470498	41.9062	-1.25942
31	0.1	-0.442676	42.1022	-1.30369
32	0.1	-0.412463	42.2723	-1.34493
33	0.1	-0.382622	42.4187	-1.3832
34	0.1	-0.355788	42.5453	-1.41878
35	0.1	-0.326561	42.652	-1.45143
36	0.1	-0.300232	42.7421	-1.48146
37	0.1	-0.271509	42.8158	-1.50861
38	0.118	-0.243007	42.8749	-1.53728
39	0.119	-0.217267	42.9221	-1.56314
40	0.126	-0.189118	42.9578	-1.58696
41	0.139	-0.161119	42.9838	-1.60936
42	0.178	-0.135774	43.0022	-1.63353
43	0.185	-0.107995	43.0139	-1.65351
44	0.2	-0.0802981	43.0203	-1.66957
45	0.2	-0.0551734	43.0234	-1.6806
46	0.2	-0.0275759	43.0242	-1.68612
47	0.2	0	43.0242	-1.68612

48	0.2	0.0275759	43.0249	-1.6806
49	0.2	0.0551734	43.028	-1.66957
50	0.2	0.0802981	43.0344	-1.65351
51	0.2	0.107995	43.0461	-1.63191
52	0.2	0.135774	43.0645	-1.60475
53	0.2	0.161119	43.0905	-1.57253
54	0.2	0.189118	43.1262	-1.53471
55	0.2	0.217267	43.1734	-1.49125
56	0.2	0.243007	43.2325	-1.44265
57	0.2	0.271509	43.3062	-1.38835
58	0.211	0.300232	43.3963	-1.325
59	0.227	0.326561	43.503	-1.25087
60	0.303	0.355788	43.6296	-1.14307
61	0.321	0.382622	43.776	-1.02025
62	0.322	0.412463	43.9461	-0.887432
63	0.33	0.442676	44.1421	-0.741349
64	0.338	0.470498	44.3634	-0.582321
65	0.341	0.501527	44.615	-0.4113
66	0.348	0.533048	44.8991	-0.2258
67	0.366	0.56217	45.2151	-0.0200454
68	0.371	0.594766	45.5689	0.200613
69	0.386	0.628006	45.9633	0.443023
70	0.386	0.658838	46.3973	0.697335
71	0.429	0.693493	46.8783	0.994843
72	0.458	0.725736	47.405	1.32723
73	0.46	0.7621	47.9858	1.6778
74	0.46	0.7995	48.625	2.04557
75	0.499	0.834498	49.3213	2.46198
76	1.42	0.874218	50.0856	3.70337
77	1.59	0.915365	50.9235	5.1588
78	1.61	0.954165	51.8339	6.69501
79	1.71	0.998575	52.8311	8.40257
80	1.74	1.04505	53.9232	10.221
81	1.76	1.08935	55.1099	12.1382
82	1.76	1.14069	56.4111	14.1458
83	1.83	1.19012	57.8274	16.3237
84	1.84	1.24809	59.3852	18.6202
85	1.92	1.31058	61.1028	21.1365
86	1.97	1.3722	62.9857	23.8398
87	2.01	1.44663	65.0785	26.7475
88	2.07	1.53007	67.4196	29.9147
89	2.09	1.61644	70.0324	33.2931
90	2.31	1.72793	73.0182	37.2846
91	2.38	1.86629	76.5012	41.7264
92	2.48	2.03352	80.6364	46.7695
93	2.86	2.32634	86.0483	53.4229

Data Set Standard Deviation = 0.740632
 Numerator = 2854
 Denominator = 4342.45
 W Statistic = 0.657233 = 2854 / 4342.45

5% Critical value of 0.973 exceeds 0.657233
Evidence of non-normality at 95% level of significance

1% Critical value of 0.963 exceeds 0.657233

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.133015

Overall Std Dev = 0.26011

Overall Total = 12.3704

SS Groups = 1.89041

SS Total = 6.22448

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.89041	4	0.472602	9.59582
Error (within groups)	4.33407	88	0.0492508	
Totals	6.22448	92		

95% F-Statistic = 2.44724

9.59582 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
10/11/2016	0.0890526
12/20/2016	0.0460526
2/16/2017	0.00105263
3/8/2017	0.00805263
5/9/2017	0.0260526
6/6/2017	0.0310526
8/22/2017	0.118053
9/22/2017	0.159053
11/7/2017	0.120053
2/27/2018	0.00994737
9/27/2018	0.0460526
5/7/2019	0.161947
11/21/2019	0.0369474
6/25/2020	0.154947
11/17/2020	0.128947
5/26/2021	0.112947
11/17/2021	0.0179474
4/8/2022	0.0189474
10/4/2022	0.00194737

Group: MW#03-1

Date	Residual
10/11/2016	0.073
12/20/2016	0.073
2/16/2017	0.073
3/8/2017	0.073
5/9/2017	0.057
6/6/2017	0.073
8/22/2017	0.073
9/22/2017	0.073
11/7/2017	0.002

2/27/2018	0.048
5/7/2019	0.002
11/21/2019	0.102
6/25/2020	0.102
11/17/2020	0.102
5/26/2021	0.102
11/16/2021	0.102
4/8/2022	0.102

Group: MW#03-2

Date	Residual
10/11/2016	0.0781667
12/20/2016	0.0781667
2/16/2017	0.0781667
3/8/2017	0.0781667
5/9/2017	0.0711667
6/6/2017	0.0781667
8/22/2017	0.0781667
9/22/2017	0.0781667
11/7/2017	0.00316667
2/27/2018	0.0531667
5/7/2019	0.00316667
11/21/2019	0.0968333
6/25/2020	0.0968333
11/17/2020	0.0968333
5/26/2021	0.0968333
11/17/2021	0.0968333
4/8/2022	0.0968333
10/3/2022	0.0968333

Group: MW#93-2

Date	Residual
10/11/2016	1.0663
12/20/2016	0.5163
2/16/2017	0.2963
3/8/2017	0.2763
5/9/2017	0.1763
6/6/2017	0.0363
8/22/2017	0.5863
9/22/2017	0.6863
11/7/2017	1.3337
2/27/2018	1.7297
9/27/2018	0.2163
5/7/2019	0.1837
11/21/2019	0.0337
6/25/2020	0.0537
11/16/2020	0.0337
5/26/2021	0.2037
11/17/2021	0.0837
4/8/2022	0.3737
10/4/2022	0.0463
10/4/2022	0.1263

Group: MW#93-3

Date	Residual
10/11/2016	0.0190579
12/20/2016	0.0180579
2/16/2017	0.0279421
3/8/2017	0.00805789
5/9/2017	0.0409421

6/6/2017	0.0730579
8/22/2017	0.0209421
9/22/2017	0.0199421
11/7/2017	0.00194211
2/27/2018	0.00905789
9/27/2018	0.00194211
5/7/2019	0.00194211
11/21/2019	0.101942
6/25/2020	0.0254579
11/16/2020	0.0218579
5/26/2021	0.00915789
11/17/2021	0.00685789
4/8/2022	0.0215579
10/4/2022	0.00535789

Concentrations (ppb)

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 65

Percent Non-Detects: 86.6667%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	8 (53.3333%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.00117	ND<0.00117
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	0.00125	0.00125
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	0.00112	0.00112
			6/25/2020	0.000369	0.000369
			11/17/2020	0.000541	0.000541
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	0.00043	0.00043
			4/8/2022	0.000376	0.000376
			10/4/2022	0.000631	0.000631

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	0.00486	0.00486
			8/22/2018	0.0204	0.0204
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			3/26/2019	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/16/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
MW#03-2	15	15 (100%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.001	ND<0.001
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001

			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
			10/3/2022	ND<0.001	ND<0.001
MW#93-2	16	15 (93.75%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.001	ND<0.001
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	0.000207	0.000207
			4/8/2022	ND<0.001	ND<0.001
			10/4/2022	ND<0.01	ND<0.01
			10/4/2022	ND<0.01	ND<0.01
MW#93-3	15	15 (100%)	5/24/2018	ND<0.001	ND<0.001
			6/19/2018	ND<0.001	ND<0.001
			7/19/2018	ND<0.001	ND<0.001
			8/22/2018	ND<0.001	ND<0.001
			9/19/2018	ND<0.001	ND<0.001
			10/18/2018	ND<0.001	ND<0.001
			11/20/2018	ND<0.001	ND<0.001
			12/20/2018	ND<0.001	ND<0.001
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
			10/4/2022	ND<0.001	ND<0.001

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 86.6667%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.00125

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.001	FALSE
MW#03-2	10/3/2022	1	0.001	FALSE
MW#93-2	10/4/2022	2	0.01	TRUE
MW#93-3	10/4/2022	1	0.001	FALSE

Shapiro-Francia Test of Normality

Parameter: Cadmium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 75

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.000207	-2.22621	4.956	-0.000460825
2	0.000369	-1.94314	8.73177	-0.00117784
3	0.000376	-1.76241	11.8379	-0.00184051
4	0.00043	-1.62576	14.481	-0.00253959
5	0.000541	-1.5141	16.7735	-0.00335872
6	0.000631	-1.41865	18.786	-0.00425389
7	0.001	-1.32854	20.5511	-0.00558243
8	0.001	-1.25357	22.1225	-0.00683599
9	0.001	-1.18504	23.5268	-0.00802104
10	0.001	-1.12168	24.785	-0.00914271
11	0.001	-1.06252	25.9139	-0.0102052
12	0.001	-1.00687	26.9277	-0.0112121
13	0.001	-0.950222	27.8306	-0.0121623
14	0.001	-0.900227	28.641	-0.0130625
15	0.001	-0.852385	29.3676	-0.0139149
16	0.001	-0.806422	30.0179	-0.0147214
17	0.001	-0.7621	30.5987	-0.0154835
18	0.001	-0.719228	31.116	-0.0162027
19	0.001	-0.67449	31.5709	-0.0168772
20	0.001	-0.634124	31.9731	-0.0175113
21	0.001	-0.594766	32.3268	-0.0181061
22	0.001	-0.556308	32.6363	-0.0186624
23	0.001	-0.518658	32.9053	-0.019181
24	0.001	-0.481728	33.1373	-0.0196628
25	0.001	-0.445443	33.3358	-0.0201082
26	0.001	-0.40701	33.5014	-0.0205152
27	0.001	-0.371856	33.6397	-0.0208871
28	0.001	-0.337155	33.7534	-0.0212242
29	0.001	-0.302855	33.8451	-0.0215271
30	0.001	-0.268908	33.9174	-0.021796
31	0.001	-0.235269	33.9728	-0.0220313
32	0.001	-0.199336	34.0125	-0.0222306
33	0.001	-0.166199	34.0401	-0.0223968
34	0.001	-0.133244	34.0579	-0.02253
35	0.001	-0.100433	34.068	-0.0226305
36	0.001	-0.0677301	34.0725	-0.0226982
37	0.001	-0.0350997	34.0738	-0.0227333
38	0.001	0	34.0738	-0.0227333
39	0.001	0.0350997	34.075	-0.0226982
40	0.001	0.0677301	34.0796	-0.0226305
41	0.001	0.100433	34.0897	-0.02253
42	0.001	0.133244	34.1074	-0.0223968
43	0.001	0.166199	34.1351	-0.0222306
44	0.001	0.199336	34.1748	-0.0220313
45	0.001	0.235269	34.2301	-0.021796
46	0.001	0.268908	34.3025	-0.0215271
47	0.001	0.302855	34.3942	-0.0212242

48	0.001	0.337155	34.5078	-0.0208871
49	0.001	0.371856	34.6461	-0.0205152
50	0.001	0.40701	34.8118	-0.0201082
51	0.001	0.445443	35.0102	-0.0196628
52	0.001	0.481728	35.2423	-0.019181
53	0.001	0.518658	35.5113	-0.0186624
54	0.001	0.556308	35.8207	-0.0181061
55	0.001	0.594766	36.1745	-0.0175113
56	0.001	0.634124	36.5766	-0.0168772
57	0.001	0.67449	37.0315	-0.0162027
58	0.001	0.719228	37.5488	-0.0154835
59	0.001	0.7621	38.1296	-0.0147214
60	0.001	0.806422	38.7799	-0.0139149
61	0.001	0.852385	39.5065	-0.0130625
62	0.001	0.900227	40.3169	-0.0121623
63	0.001	0.950222	41.2198	-0.0112121
64	0.001	1.00687	42.2336	-0.0102052
65	0.001	1.06252	43.3626	-0.00914271
66	0.001	1.12168	44.6207	-0.00802104
67	0.001	1.18504	46.0251	-0.00683599
68	0.001	1.25357	47.5965	-0.00558243
69	0.00112	1.32854	49.3615	-0.00409446
70	0.00117	1.41865	51.3741	-0.00243464
71	0.00125	1.5141	53.6666	-0.000542007
72	0.00486	1.62576	56.3097	0.0073592
73	0.01	1.76241	59.4158	0.0249833
74	0.01	1.94314	63.1916	0.0444147
75	0.0204	2.22621	68.1475	0.0898293

Data Set Standard Deviation = 0.00269093
 Numerator = 0.0080693
 Denominator = 0.0365162
 W Statistic = 0.220979 = 0.0080693 / 0.0365162

5% Critical value of 0.969 exceeds 0.220979
Evidence of non-normality at 95% level of significance

1% Critical value of 0.956 exceeds 0.220979
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00100626

Overall Std Dev = 0.00238821

Overall Total = 0.0754699

SS Groups = 0.000101437

SS Total = 0.000422063

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.000101437	4	2.53593e-005	5.53651
Error (within groups)	0.000320626	70	4.58037e-006	
Totals	0.000422063	74		

95% F-Statistic = 2.44724

5.53651 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.000140867
6/19/2018	0.000140867
7/19/2018	0.000140867
8/22/2018	0.000140867
9/19/2018	0.000310867
10/18/2018	0.000140867
11/20/2018	0.000390867
12/20/2018	0.000140867
11/21/2019	0.000260867
6/25/2020	0.000490133
11/17/2020	0.000318133
5/26/2021	0.000140867
11/17/2021	0.000429133
4/8/2022	0.000483133
10/4/2022	0.000228133

Group: MW#03-1

Date	Residual
5/24/2018	0.00166143
6/19/2018	0.00166143
7/19/2018	0.00219857
8/22/2018	0.0177386
10/18/2018	0.00166143
11/20/2018	0.00166143
12/20/2018	0.00166143
3/26/2019	0.00166143
11/21/2019	0.00166143
6/25/2020	0.00166143
11/17/2020	0.00166143
5/26/2021	0.00166143
11/16/2021	0.00166143

4/8/2022 0.00166143

Group: MW#03-2

Date	Residual
5/24/2018	4.33681e-019
6/19/2018	4.33681e-019
7/19/2018	4.33681e-019
8/22/2018	4.33681e-019
9/19/2018	4.33681e-019
10/18/2018	4.33681e-019
11/20/2018	4.33681e-019
12/20/2018	4.33681e-019
11/21/2019	4.33681e-019
6/25/2020	4.33681e-019
11/17/2020	4.33681e-019
5/26/2021	4.33681e-019
11/17/2021	4.33681e-019
4/8/2022	4.33681e-019
10/3/2022	4.33681e-019

Group: MW#93-2

Date	Residual
5/24/2018	0.00107544
6/19/2018	0.00107544
7/19/2018	0.00107544
8/22/2018	0.00107544
9/19/2018	0.00107544
10/18/2018	0.00107544
11/20/2018	0.00107544
12/20/2018	0.00107544
11/21/2019	0.00107544
6/25/2020	0.00107544
11/16/2020	0.00107544
5/26/2021	0.00107544
11/17/2021	0.00186844
4/8/2022	0.00107544
10/4/2022	0.00792456
10/4/2022	0.00792456

Group: MW#93-3

Date	Residual
5/24/2018	4.33681e-019
6/19/2018	4.33681e-019
7/19/2018	4.33681e-019
8/22/2018	4.33681e-019
9/19/2018	4.33681e-019
10/18/2018	4.33681e-019
11/20/2018	4.33681e-019
12/20/2018	4.33681e-019
11/21/2019	4.33681e-019
6/25/2020	4.33681e-019
11/16/2020	4.33681e-019
5/26/2021	4.33681e-019
11/17/2021	4.33681e-019
4/8/2022	4.33681e-019
10/4/2022	4.33681e-019

Concentrations (ppb)

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 102

Total Non-Detect: 5

Percent Non-Detects: 4.90196%

Total Background Measurements: 23

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	23	1 (4.34783%)	6/6/2012	484	484
			12/12/2012	560	560
			6/19/2013	670	670
			12/11/2013	549	549
			6/11/2014	192	192
			12/3/2014	213	213
			6/17/2015	184	184
			12/1/2015	199	199
			6/22/2016	205	205
			12/20/2016	202	202
			6/6/2017	206	206
			11/7/2017	212	212
			2/27/2018	211	211
			9/27/2018	240	240
			11/20/2018	ND<0.5	ND<0.5
			5/7/2019	212	212
			11/21/2019	228	228
			6/25/2020	210	210
			11/17/2020	212	212
			5/26/2021	179	179
			11/17/2021	210	210
			4/8/2022	227	227
			10/4/2022	223	223

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	15	1 (6.66667%)	5/24/2018	22.2	22.2
			6/19/2018	43.6	43.6
			7/19/2018	154	154
			8/22/2018	613	613
			11/20/2018	ND<0.5	ND<0.5
			11/20/2018	35.6	35.6
			12/20/2018	13.3	13.3
			3/26/2019	16.6	16.6
			5/7/2019	15	15
			11/21/2019	16.9	16.9
			6/25/2020	35.6	35.6
			11/17/2020	76.2	76.2
			5/26/2021	8.58	8.58
			11/16/2021	27.4	27.4
			4/8/2022	10.8	10.8
MW#03-2	17	1 (5.88235%)	5/24/2018	197	197

			6/19/2018	291	291
			7/19/2018	338	338
			8/22/2018	325	325
			9/19/2018	303	303
			9/27/2018	352	352
			11/20/2018	ND<0.5	ND<0.5
			11/20/2018	331	331
			12/20/2018	350	350
			5/7/2019	267	267
			11/21/2019	386	386
			6/25/2020	338	338
			11/17/2020	321	321
			5/26/2021	302	302
			11/17/2021	294	294
			4/8/2022	291	291
			10/3/2022	257	257
<hr/>					
MW#93-2	24	1 (4.16667%)	6/6/2012	78.9	78.9
			12/12/2012	101	101
			6/19/2013	100	100
			12/11/2013	88	88
			6/11/2014	41.8	41.8
			12/3/2014	53.8	53.8
			6/17/2015	2.29	2.29
			12/1/2015	42.8	42.8
			6/22/2016	40	40
			12/20/2016	41.8	41.8
			6/6/2017	45.2	45.2
			11/7/2017	68.5	68.5
			2/27/2018	74.7	74.7
			9/27/2018	68.9	68.9
			11/20/2018	ND<0.5	ND<0.5
			5/7/2019	86.3	86.3
			11/21/2019	117	117
			6/25/2020	198	198
			11/16/2020	225	225
			5/26/2021	200	200
			11/17/2021	195	195
			4/8/2022	228	228
			10/4/2022	217	217
			10/4/2022	235	235
<hr/>					
MW#93-3	23	1 (4.34783%)	6/6/2012	86.4	86.4
			12/12/2012	97	97
			6/19/2013	163	163
			12/11/2013	102	102
			6/11/2014	49.5	49.5
			12/3/2014	31.7	31.7
			6/17/2015	43.4	43.4
			12/1/2015	58	58
			6/22/2016	95.6	95.6
			12/20/2016	82.1	82.1
			6/6/2017	56	56
			11/7/2017	80.2	80.2
			2/27/2018	91.8	91.8
			9/27/2018	94.8	94.8
			11/20/2018	ND<0.5	ND<0.5

5/7/2019	110	110
11/21/2019	107	107
6/25/2020	92.2	92.2
11/16/2020	82.8	82.8
5/26/2021	75.1	75.1
11/17/2021	80.7	80.7
4/8/2022	80.2	80.2
10/4/2022	75.2	75.2

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 4.90196%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 23

Maximum Background Value = 670

Confidence Level = 85.2%

False Positive Rate = 14.8%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	10.8	FALSE
MW#03-2	10/3/2022	1	257	FALSE
MW#93-2	10/4/2022	2	226	FALSE
MW#93-3	10/4/2022	1	75.2	FALSE

Shapiro-Francia Test of Normality

Parameter: Calcium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 102

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.5	-2.36561	5.59613	-1.18281
2	0.5	-2.07485	9.90113	-2.22023
3	0.5	-1.8957	13.4948	-3.16808
4	0.5	-1.77438	16.6432	-4.05527
5	0.5	-1.66456	19.414	-4.88755
6	2.29	-1.57179	21.8845	-8.48695
7	8.58	-1.49852	24.13	-21.3442
8	10.8	-1.42554	26.1622	-36.7401
9	13.3	-1.35946	28.0104	-54.8209
10	15	-1.29884	29.6973	-74.3035
11	16.6	-1.24809	31.2551	-95.0217
12	16.9	-1.19522	32.6836	-115.221
13	22.2	-1.1455	33.9958	-140.651
14	27.4	-1.10306	35.2125	-170.875
15	31.7	-1.05812	36.3322	-204.418
16	35.6	-1.01522	37.3628	-240.559
17	35.6	-0.974114	38.3117	-275.238
18	40	-0.938476	39.1925	-312.777
19	41.8	-0.900227	40.0029	-350.406
20	41.8	-0.863249	40.7481	-386.49
21	42.8	-0.830953	41.4386	-422.055
22	43.4	-0.796056	42.0723	-456.604
23	43.6	-0.7621	42.6531	-489.831
24	45.2	-0.729003	43.1845	-522.782
25	49.5	-0.699883	43.6743	-557.427
26	53.8	-0.668209	44.1208	-593.376
27	56	-0.637192	44.5269	-629.059
28	58	-0.609791	44.8987	-664.427
29	68.5	-0.579873	45.235	-704.148
30	68.9	-0.550465	45.538	-742.075
31	74.7	-0.524401	45.813	-781.248
32	75.1	-0.49585	46.0588	-818.486
33	75.2	-0.467699	46.2776	-853.657
34	76.2	-0.439913	46.4711	-887.179
35	78.9	-0.415193	46.6435	-919.937
36	80.2	-0.388022	46.794	-951.057
37	80.2	-0.361133	46.9245	-980.02
38	80.7	-0.337155	47.0381	-1007.23
39	82.1	-0.310738	47.1347	-1032.74
40	82.8	-0.284535	47.2156	-1056.3
41	86.3	-0.258527	47.2825	-1078.61
42	86.4	-0.235269	47.3378	-1098.94
43	88	-0.209575	47.3818	-1117.38
44	91.8	-0.184017	47.4156	-1134.27
45	92.2	-0.161119	47.4416	-1149.13
46	94.8	-0.135774	47.46	-1162
47	95.6	-0.110516	47.4722	-1172.56

48	97	-0.0853288	47.4795	-1180.84
49	100	-0.0627062	47.4834	-1187.11
50	101	-0.0376076	47.4849	-1190.91
51	102	-0.0125328	47.485	-1192.19
52	107	0.0125328	47.4852	-1190.85
53	110	0.0376076	47.4866	-1186.71
54	117	0.0627062	47.4905	-1179.37
55	154	0.0853288	47.4978	-1166.23
56	163	0.110516	47.51	-1148.22
57	179	0.135774	47.5284	-1123.92
58	184	0.161119	47.5544	-1094.27
59	192	0.184017	47.5883	-1058.94
60	195	0.209575	47.6322	-1018.07
61	197	0.235269	47.6875	-971.724
62	198	0.258527	47.7544	-920.535
63	199	0.284535	47.8353	-863.913
64	200	0.310738	47.9319	-801.765
65	202	0.337155	48.0456	-733.66
66	205	0.361133	48.176	-659.627
67	206	0.388022	48.3265	-579.695
68	210	0.415193	48.4989	-492.504
69	210	0.439913	48.6925	-400.122
70	211	0.467699	48.9112	-301.438
71	212	0.49585	49.1571	-196.318
72	212	0.524401	49.4321	-85.1449
73	212	0.550465	49.7351	31.5536
74	213	0.579873	50.0713	155.067
75	217	0.609791	50.4432	287.391
76	223	0.637192	50.8492	429.485
77	225	0.668209	51.2957	579.832
78	227	0.699883	51.7855	738.706
79	228	0.729003	52.317	904.919
80	228	0.7621	52.8978	1078.68
81	235	0.796056	53.5315	1265.75
82	240	0.830953	54.222	1465.18
83	257	0.863249	54.9672	1687.03
84	267	0.900227	55.7776	1927.39
85	291	0.938476	56.6583	2200.49
86	291	0.974114	57.6072	2483.96
87	294	1.01522	58.6379	2782.43
88	302	1.05812	59.7575	3101.99
89	303	1.10306	60.9742	3436.21
90	321	1.1455	62.2864	3803.92
91	325	1.19522	63.715	4192.37
92	331	1.24809	65.2727	4605.48
93	338	1.29884	66.9597	5044.49
94	338	1.35946	68.8078	5503.99
95	350	1.42554	70.84	6002.93
96	352	1.49852	73.0855	6530.41
97	386	1.57179	75.5561	7137.12
98	484	1.66456	78.3268	7942.77
99	549	1.77438	81.4752	8916.9
100	560	1.8957	85.0689	9978.49
101	613	2.07485	89.3739	11250.4
102	670	2.36561	94.97	12835.3

Data Set Standard Deviation = 140.014
Numerator = 1.64746e+008
Denominator = 1.88039e+008
W Statistic = 0.876125 = 1.64746e+008 / 1.88039e+008

5% Critical value of 0.976 exceeds 0.876125
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.876125
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 64.6213

Overall Std Dev = 82.7546

Overall Total = 6591.37

SS Groups = 89147.8

SS Total = 691681

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	89147.8	4	22286.9	3.58791
Error (within groups)	602533	97	6211.68	
Totals	691681	101		

95% F-Statistic = 2.44724

3.58791 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
6/6/2012	221.891
12/12/2012	297.891
6/19/2013	407.891
12/11/2013	286.891
6/11/2014	70.1087
12/3/2014	49.1087
6/17/2015	78.1087
12/1/2015	63.1087
6/22/2016	57.1087
12/20/2016	60.1087
6/6/2017	56.1087
11/7/2017	50.1087
2/27/2018	51.1087
9/27/2018	22.1087
11/20/2018	261.609
5/7/2019	50.1087
11/21/2019	34.1087
6/25/2020	52.1087
11/17/2020	50.1087
5/26/2021	83.1087
11/17/2021	52.1087
4/8/2022	35.1087
10/4/2022	39.1087

Group: MW#03-1

Date	Residual
5/24/2018	50.4187
6/19/2018	29.0187
7/19/2018	81.3813
8/22/2018	540.381
11/20/2018	72.1187

11/20/2018	37.0187
12/20/2018	59.3187
3/26/2019	56.0187
5/7/2019	57.6187
11/21/2019	55.7187
6/25/2020	37.0187
11/17/2020	3.58133
5/26/2021	64.0387
11/16/2021	45.2187
4/8/2022	61.8187

Group: MW#03-2

Date	Residual
5/24/2018	93.7941
6/19/2018	0.205882
7/19/2018	47.2059
8/22/2018	34.2059
9/19/2018	12.2059
9/27/2018	61.2059
11/20/2018	290.294
11/20/2018	40.2059
12/20/2018	59.2059
5/7/2019	23.7941
11/21/2019	95.2059
6/25/2020	47.2059
11/17/2020	30.2059
5/26/2021	11.2059
11/17/2021	3.20588
4/8/2022	0.205882
10/3/2022	33.7941

Group: MW#93-2

Date	Residual
6/6/2012	27.3287
12/12/2012	5.22875
6/19/2013	6.22875
12/11/2013	18.2287
6/11/2014	64.4287
12/3/2014	52.4287
6/17/2015	103.939
12/1/2015	63.4287
6/22/2016	66.2287
12/20/2016	64.4287
6/6/2017	61.0287
11/7/2017	37.7287
2/27/2018	31.5287
9/27/2018	37.3287
11/20/2018	105.729
5/7/2019	19.9287
11/21/2019	10.7713
6/25/2020	91.7713
11/16/2020	118.771
5/26/2021	93.7713
11/17/2021	88.7713
4/8/2022	121.771
10/4/2022	110.771
10/4/2022	128.771

Group: MW#93-3

Date	Residual
-------------	-----------------

6/6/2012	6.6087
12/12/2012	17.2087
6/19/2013	83.2087
12/11/2013	22.2087
6/11/2014	30.2913
12/3/2014	48.0913
6/17/2015	36.3913
12/1/2015	21.7913
6/22/2016	15.8087
12/20/2016	2.3087
6/6/2017	23.7913
11/7/2017	0.408696
2/27/2018	12.0087
9/27/2018	15.0087
11/20/2018	79.2913
5/7/2019	30.2087
11/21/2019	27.2087
6/25/2020	12.4087
11/16/2020	3.0087
5/26/2021	4.6913
11/17/2021	0.908696
4/8/2022	0.408696
10/4/2022	4.5913

Concentrations (ppb)

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 315

Total Non-Detect: 6

Percent Non-Detects: 1.90476%

Total Background Measurements: 78

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	78	0 (0%)	12/15/1994	30	30
			3/14/1995	38	38
			6/21/1995	37	37
			12/14/1995	24	24
			3/6/1996	20	20
			4/25/1996	32	32
			10/2/1996	40	40
			12/10/1996	30	30
			3/11/1997	4	4
			4/15/1997	28	28
			8/14/1997	33	33
			12/4/1997	29	29
			3/31/1998	30	30
			6/23/1998	37	37
			8/11/1998	24	24
			12/8/1998	31	31
			3/9/1999	30	30
			6/8/1999	35	35
			8/19/1999	40	40
			12/14/1999	40	40
			3/7/2000	50	50
			6/23/2000	52	52
			12/12/2000	54	54
			3/27/2001	60	60
			6/28/2001	58	58
			9/10/2001	46	46
			12/18/2001	46	46
			3/19/2002	42	42
			6/26/2002	51	51
			9/18/2002	57	57
			12/11/2002	56	56
			3/13/2003	56	56
			6/25/2003	63	63
			9/26/2003	59	59
			12/10/2003	40	40
			3/9/2004	58	58
			6/24/2004	61	61
			9/15/2004	44	44
			12/15/2004	48	48
			3/16/2005	42	42
			6/15/2005	42	42
			9/21/2005	42	42
			12/21/2005	58	58
			3/15/2006	50	50
			6/21/2006	31	31

12/20/2006	35	35
6/12/2007	24	24
12/17/2007	27	27
6/11/2008	29	29
12/3/2008	28	28
6/17/2009	20	20
12/9/2009	24	24
6/17/2010	17	17
12/22/2010	20	20
6/29/2011	20.8	20.8
12/7/2011	17.6	17.6
6/6/2012	23.8	23.8
12/12/2012	22.2	22.2
6/19/2013	21.5	21.5
12/11/2013	17.6	17.6
6/11/2014	19.3	19.3
12/3/2014	16.9	16.9
6/17/2015	13	13
12/1/2015	15.2	15.2
6/22/2016	13	13
12/20/2016	15.2	15.2
6/6/2017	16.1	16.1
11/7/2017	16.2	16.2
2/27/2018	15.6	15.6
9/27/2018	16.8	16.8
5/7/2019	18.8	18.8
11/21/2019	22	22
6/25/2020	11	11
11/17/2020	14.4	14.4
5/26/2021	12.9	12.9
11/17/2021	17.7	17.7
4/8/2022	14.3	14.3
10/4/2022	14.9	14.9

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	36	4 (11.1111%)	6/24/2004	10	10
			9/15/2004	22	22
			12/15/2004	6	6
			3/16/2005	4	4
			6/15/2005	6	6
			9/21/2005	5	5
			12/20/2006	5	5
			6/12/2007	4	4
			12/17/2007	3	3
			6/11/2008	11	11
			12/3/2008	11	11
			6/17/2009	4	4
			12/9/2009	32	32
			6/17/2010	5	5
			12/22/2010	8.7	8.7
			6/29/2011	4.86	4.86
			12/7/2011	5.88	5.88
			6/6/2012	9.36	9.36
			6/19/2013	ND<5	ND<5

12/11/2013	ND<5	ND<5
6/11/2014	44	44
12/3/2014	ND<5	ND<5
6/17/2015	ND<5	ND<5
12/1/2015	0.777	0.777
6/22/2016	0.628	0.628
12/20/2016	0.786	0.786
6/6/2017	0.887	0.887
11/7/2017	1.13	1.13
2/27/2018	1.07	1.07
5/7/2019	5.9	5.9
11/21/2019	410	410
6/25/2020	0.652	0.652
11/17/2020	2.29	2.29
5/26/2021	1.64	1.64
11/16/2021	0.704	0.704
4/8/2022	0.942	0.942

MW#03-2	43	1 (2.32558%)	6/24/2004	36	36
			9/15/2004	4	4
			12/15/2004	28	28
			3/16/2005	30	30
			6/15/2005	30	30
			9/21/2005	27	27
			12/21/2005	26	26
			3/15/2006	27	27
			6/21/2006	23	23
			12/20/2006	35	35
			6/12/2007	30	30
			12/17/2007	20	20
			6/11/2008	41	41
			12/3/2008	46	46
			6/17/2009	60	60
			12/9/2009	45	45
			6/17/2010	33	33
			12/22/2010	29	29
			6/29/2011	28.4	28.4
			12/7/2011	23.5	23.5
			6/6/2012	29.3	29.3
			12/12/2012	28.3	28.3
			6/19/2013	32.1	32.1
			12/11/2013	32.8	32.8
			6/11/2014	ND<5	ND<5
			12/3/2014	51.2	51.2
			6/17/2015	54.7	54.7
			12/1/2015	67.8	67.8
			6/22/2016	79.7	79.7
			10/11/2016	88.4	88.4
			12/20/2016	126	126
			6/6/2017	117	117
			11/7/2017	288	288
			2/27/2018	247	247
			9/27/2018	283	283
			5/7/2019	313	313
			11/21/2019	543	543
			6/25/2020	448	448
			11/17/2020	435	435

			5/26/2021	511	511
			11/17/2021	501	501
			4/8/2022	440	440
			10/3/2022	370	370
MW#93-2	80	1 (1.25%)	12/15/1994	400	400
			3/14/1995	1500	1500
			6/21/1995	75	75
			12/14/1995	1749	1749
			3/6/1996	1674	1674
			4/25/1996	1999	1999
			10/2/1996	1553	1553
			12/10/1996	1560	1560
			3/11/1997	1634	1634
			4/15/1997	1700	1700
			8/14/1997	2149	2149
			12/4/1997	1769	1769
			3/31/1998	2000	2000
			6/23/1998	2099	2099
			8/11/1998	1874	1874
			12/8/1998	1922	1922
			3/9/1999	1700	1700
			6/8/1999	1739	1739
			8/19/1999	1800	1800
			12/14/1999	1800	1800
			3/7/2000	1328	1328
			6/23/2000	950	950
			12/12/2000	1789	1789
			3/27/2001	1749	1749
			6/28/2001	1799	1799
			9/10/2001	2050	2050
			12/18/2001	1600	1600
			3/19/2002	1730	1730
			6/26/2002	1699	1699
			9/18/2002	1674	1674
			12/11/2002	1613	1613
			3/13/2003	1510	1510
			6/25/2003	1800	1800
			9/26/2003	1616	1616
			12/10/2003	1509	1509
			3/9/2004	1800	1800
			6/24/2004	1892	1892
			9/15/2004	1435	1435
			12/15/2004	1600	1600
			3/16/2005	1325	1325
			6/15/2005	1400	1400
			9/21/2005	1412	1412
			12/21/2005	1550	1550
			3/15/2006	1375	1375
			6/21/2006	1500	1500
			12/20/2006	1250	1250
			2/21/2007	1250	1250
			6/12/2007	1350	1350
			12/17/2007	1399	1399
			6/11/2008	1210	1210
			12/3/2008	1584	1584
			6/17/2009	750	750

12/9/2009	875	875
6/17/2010	1500	1500
12/22/2010	1600	1600
6/29/2011	1670	1670
12/7/2011	1510	1510
6/6/2012	1610	1610
12/12/2012	1750	1750
6/19/2013	1390	1390
12/11/2013	1410	1410
6/11/2014	1360	1360
12/3/2014	1520	1520
6/17/2015	47.7	47.7
12/1/2015	1760	1760
6/22/2016	1300	1300
12/20/2016	1690	1690
6/6/2017	1580	1580
11/7/2017	1160	1160
2/27/2018	1270	1270
9/27/2018	1250	1250
5/7/2019	1360	1360
11/21/2019	ND<5	ND<5
6/25/2020	109	109
11/16/2020	1210	1210
5/26/2021	1670	1670
11/17/2021	1800	1800
4/8/2022	1460	1460
10/4/2022	1580	1580
10/4/2022	1590	1590

MW#93-3 78 0 (0%)

12/15/1994	440	440
3/14/1995	420	420
6/21/1995	420	420
12/14/1995	406	406
3/6/1996	368	368
4/25/1996	384	384
10/2/1996	430	430
12/10/1996	377	377
3/11/1997	375	375
4/15/1997	400	400
8/14/1997	916	916
12/4/1997	249	249
3/31/1998	275	275
6/23/1998	246	246
8/11/1998	500	500
12/8/1998	260	260
3/9/1999	280	280
6/8/1999	214	214
8/19/1999	260	260
12/14/1999	200	200
3/7/2000	232	232
6/23/2000	270	270
12/12/2000	196	196
3/27/2001	190	190
6/28/2001	180	180
9/10/2001	202	202
12/18/2001	149	149
3/19/2002	203	203

6/26/2002	180	180
9/18/2002	185	185
12/11/2002	178	178
3/13/2003	207	207
6/25/2003	190	190
9/26/2003	158	158
12/10/2003	140	140
3/9/2004	13	13
6/24/2004	160	160
9/15/2004	139	139
12/15/2004	122	122
3/16/2005	180	180
6/15/2005	150	150
9/21/2005	215	215
12/21/2005	180	180
3/15/2006	221	221
6/21/2006	210	210
12/20/2006	210	210
6/12/2007	110	110
12/17/2007	131	131
6/11/2008	144	144
12/3/2008	152	152
6/17/2009	120	120
12/9/2009	175	175
6/17/2010	150	150
12/22/2010	170	170
6/29/2011	170	170
12/7/2011	98.9	98.9
6/6/2012	194	194
12/12/2012	168	168
6/19/2013	194	194
12/11/2013	173	173
6/11/2014	254	254
12/3/2014	194	194
6/17/2015	168	168
12/1/2015	280	280
6/22/2016	518	518
12/20/2016	475	475
6/6/2017	113	113
11/7/2017	402	402
2/27/2018	435	435
9/27/2018	426	426
5/7/2019	421	421
11/21/2019	1070	1070
6/25/2020	143	143
11/16/2020	187	187
5/26/2021	232	232
11/17/2021	183	183
4/8/2022	231	231
10/4/2022	186	186

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 1.90476%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 78

Maximum Background Value = 63

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.942	FALSE
MW#03-2	10/3/2022	1	370	TRUE
MW#93-2	10/4/2022	2	1585	TRUE
MW#93-3	10/4/2022	1	186	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 1.28205%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 78

Maximum Baseline Concentration = 543

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	6/24/2004	36
	9/15/2004	4
	12/15/2004	28
	3/16/2005	30
	6/15/2005	30
	9/21/2005	27
	12/21/2005	26
	3/15/2006	27
	6/21/2006	23
	12/20/2006	35
	6/12/2007	30
	12/17/2007	20
	6/11/2008	41
	12/3/2008	46
	6/17/2009	60
	12/9/2009	45
	6/17/2010	33
	12/22/2010	29
	6/29/2011	28.4
	12/7/2011	23.5
	6/6/2012	29.3
	12/12/2012	28.3
	6/19/2013	32.1
	12/11/2013	32.8
	6/11/2014	ND<5
	12/3/2014	51.2
	6/17/2015	54.7
	12/1/2015	67.8
	6/22/2016	79.7
	10/11/2016	88.4
	12/20/2016	126
	6/6/2017	117
	11/7/2017	288
	2/27/2018	247
	9/27/2018	283
	5/7/2019	313
	11/21/2019	543
	6/25/2020	448
	11/17/2020	435
	5/26/2021	511
	11/17/2021	501
	4/8/2022	440

10/3/2022 370

Date	Count	Mean	Significant
10/3/2022	1	370	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 1.28205%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 78

Maximum Baseline Concentration = 2149

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	400
	3/14/1995	1500
	6/21/1995	75
	12/14/1995	1749
	3/6/1996	1674
	4/25/1996	1999
	10/2/1996	1553
	12/10/1996	1560
	3/11/1997	1634
	4/15/1997	1700
	8/14/1997	2149
	12/4/1997	1769
	3/31/1998	2000
	6/23/1998	2099
	8/11/1998	1874
	12/8/1998	1922
	3/9/1999	1700
	6/8/1999	1739
	8/19/1999	1800
	12/14/1999	1800
	3/7/2000	1328
	6/23/2000	950
	12/12/2000	1789
	3/27/2001	1749
	6/28/2001	1799
	9/10/2001	2050
	12/18/2001	1600
	3/19/2002	1730
	6/26/2002	1699
	9/18/2002	1674
	12/11/2002	1613
	3/13/2003	1510
	6/25/2003	1800
	9/26/2003	1616
	12/10/2003	1509
	3/9/2004	1800
	6/24/2004	1892
	9/15/2004	1435
	12/15/2004	1600
	3/16/2005	1325
	6/15/2005	1400
	9/21/2005	1412

12/21/2005	1550
3/15/2006	1375
6/21/2006	1500
12/20/2006	1250
2/21/2007	1250
6/12/2007	1350
12/17/2007	1399
6/11/2008	1210
12/3/2008	1584
6/17/2009	750
12/9/2009	875
6/17/2010	1500
12/22/2010	1600
6/29/2011	1670
12/7/2011	1510
6/6/2012	1610
12/12/2012	1750
6/19/2013	1390
12/11/2013	1410
6/11/2014	1360
12/3/2014	1520
6/17/2015	47.7
12/1/2015	1760
6/22/2016	1300
12/20/2016	1690
6/6/2017	1580
11/7/2017	1160
2/27/2018	1270
9/27/2018	1250
5/7/2019	1360
11/21/2019	ND<5
6/25/2020	109
11/16/2020	1210
5/26/2021	1670
11/17/2021	1800
4/8/2022	1460

Date	Count	Mean	Significant
10/4/2022	2	1585	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 78

Maximum Baseline Concentration = 1070

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	440
	3/14/1995	420
	6/21/1995	420
	12/14/1995	406
	3/6/1996	368
	4/25/1996	384
	10/2/1996	430
	12/10/1996	377
	3/11/1997	375
	4/15/1997	400
	8/14/1997	916
	12/4/1997	249
	3/31/1998	275
	6/23/1998	246
	8/11/1998	500
	12/8/1998	260
	3/9/1999	280
	6/8/1999	214
	8/19/1999	260
	12/14/1999	200
	3/7/2000	232
	6/23/2000	270
	12/12/2000	196
	3/27/2001	190
	6/28/2001	180
	9/10/2001	202
	12/18/2001	149
	3/19/2002	203
	6/26/2002	180
	9/18/2002	185
	12/11/2002	178
	3/13/2003	207
	6/25/2003	190
	9/26/2003	158
	12/10/2003	140
	3/9/2004	13
	6/24/2004	160
	9/15/2004	139
	12/15/2004	122
	3/16/2005	180
	6/15/2005	150
	9/21/2005	215

12/21/2005	180
3/15/2006	221
6/21/2006	210
12/20/2006	210
6/12/2007	110
12/17/2007	131
6/11/2008	144
12/3/2008	152
6/17/2009	120
12/9/2009	175
6/17/2010	150
12/22/2010	170
6/29/2011	170
12/7/2011	98.9
6/6/2012	194
12/12/2012	168
6/19/2013	194
12/11/2013	173
6/11/2014	254
12/3/2014	194
6/17/2015	168
12/1/2015	280
6/22/2016	518
12/20/2016	475
6/6/2017	113
11/7/2017	402
2/27/2018	435
9/27/2018	426
5/7/2019	421
11/21/2019	1070
6/25/2020	143
11/16/2020	187
5/26/2021	232
11/17/2021	183
4/8/2022	231
10/4/2022	186

Date	Count	Mean	Significant
10/4/2022	1	186	FALSE

Shapiro-Francia Test of Normality

Parameter: Chloride

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 315

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.628	-2.74777	7.55021	-1.7256
2	0.652	-2.51213	13.861	-3.36351
3	0.704	-2.36561	19.4572	-5.0289
4	0.777	-2.25713	24.5518	-6.78269
5	0.786	-2.17009	29.2611	-8.48838
6	0.887	-2.09693	33.6582	-10.3484
7	0.942	-2.01409	37.7148	-12.2456
8	1.07	-1.95996	41.5562	-14.3428
9	1.13	-1.91103	45.2083	-16.5023
10	1.64	-1.86629	48.6913	-19.563
11	2.29	-1.82501	52.022	-23.7422
12	3	-1.78661	55.2139	-29.1021
13	4	-1.7392	58.2388	-36.0589
14	4	-1.70604	61.1493	-42.883
15	4	-1.67466	63.9538	-49.5817
16	4	-1.64485	66.6594	-56.1611
17	4	-1.61644	69.2722	-62.6268
18	4.86	-1.58927	71.798	-70.3507
19	5	-1.55477	74.2153	-78.1246
20	5	-1.53007	76.5564	-85.7749
21	5	-1.50626	78.8252	-93.3062
22	5	-1.48328	81.0254	-100.723
23	5	-1.46106	83.1601	-108.028
24	5	-1.43953	85.2323	-115.226
25	5	-1.41183	87.2256	-122.285
26	5	-1.39175	89.1625	-129.243
27	5	-1.3722	91.0455	-136.104
28	5.88	-1.35317	92.8766	-144.061
29	5.9	-1.33462	94.6578	-151.935
30	6	-1.31652	96.391	-159.835
31	6	-1.29303	98.0629	-167.593
32	8.7	-1.27588	99.6908	-178.693
33	9.36	-1.25908	101.276	-190.478
34	10	-1.24264	102.82	-202.904
35	11	-1.22653	104.325	-216.396
36	11	-1.21073	105.79	-229.714
37	11	-1.19012	107.207	-242.805
38	12.9	-1.17499	108.587	-257.963
39	13	-1.16012	109.933	-273.044
40	13	-1.1455	111.246	-287.936
41	13	-1.13113	112.525	-302.641
42	14.3	-1.11699	113.773	-318.613
43	14.4	-1.09847	114.979	-334.431
44	14.9	-1.08482	116.156	-350.595
45	15.2	-1.07138	117.304	-366.88
46	15.2	-1.05812	118.424	-382.964
47	15.6	-1.04505	119.516	-399.266

48	16.1	-1.03215	120.581	-415.884
49	16.2	-1.01522	121.612	-432.331
50	16.8	-1.00271	122.617	-449.176
51	16.9	-0.990356	123.598	-465.913
52	17	-0.97815	124.555	-482.542
53	17.6	-0.966088	125.488	-499.545
54	17.6	-0.954165	126.399	-516.338
55	17.7	-0.938476	127.279	-532.949
56	18.8	-0.926859	128.138	-550.374
57	19.3	-0.915365	128.976	-568.041
58	20	-0.903992	129.793	-586.121
59	20	-0.892733	130.59	-603.975
60	20	-0.881587	131.368	-621.607
61	20	-0.866894	132.119	-638.945
62	20.8	-0.855996	132.852	-656.75
63	21.5	-0.845198	133.566	-674.921
64	22	-0.834498	134.263	-693.28
65	22	-0.823893	134.941	-711.406
66	22.2	-0.813379	135.603	-729.463
67	23	-0.7995	136.242	-747.852
68	23.5	-0.789191	136.865	-766.398
69	23.8	-0.778966	137.472	-784.937
70	24	-0.768821	138.063	-803.389
71	24	-0.758753	138.639	-821.599
72	24	-0.748762	139.199	-839.569
73	24	-0.735557	139.74	-857.222
74	26	-0.725736	140.267	-876.091
75	27	-0.715986	140.78	-895.423
76	27	-0.706302	141.278	-914.493
77	27	-0.696684	141.764	-933.304
78	28	-0.687131	142.236	-952.543
79	28	-0.67449	142.691	-971.429
80	28	-0.665079	143.133	-990.051
81	28.3	-0.655726	143.563	-1008.61
82	28.4	-0.646431	143.981	-1026.97
83	29	-0.637192	144.387	-1045.45
84	29	-0.628006	144.781	-1063.66
85	29	-0.618872	145.164	-1081.61
86	29.3	-0.606775	145.533	-1099.38
87	30	-0.597761	145.89	-1117.32
88	30	-0.588793	146.237	-1134.98
89	30	-0.579873	146.573	-1152.38
90	30	-0.570999	146.899	-1169.51
91	30	-0.56217	147.215	-1186.37
92	30	-0.550465	147.518	-1202.89
93	30	-0.541736	147.811	-1219.14
94	31	-0.533048	148.096	-1235.66
95	31	-0.524401	148.371	-1251.92
96	32	-0.515791	148.637	-1268.42
97	32	-0.507221	148.894	-1284.65
98	32.1	-0.49585	149.14	-1300.57
99	32.8	-0.487364	149.377	-1316.56
100	33	-0.478914	149.607	-1332.36
101	33	-0.470498	149.828	-1347.89
102	35	-0.462114	150.042	-1364.06
103	35	-0.453763	150.247	-1379.94
104	35	-0.442676	150.443	-1395.44

105	36	-0.434397	150.632	-1411.08
106	37	-0.426148	150.814	-1426.84
107	37	-0.417928	150.988	-1442.31
108	38	-0.409735	151.156	-1457.88
109	40	-0.401571	151.318	-1473.94
110	40	-0.390726	151.47	-1489.57
111	40	-0.382622	151.617	-1504.87
112	40	-0.374544	151.757	-1519.85
113	41	-0.36649	151.891	-1534.88
114	42	-0.358459	152.02	-1549.94
115	42	-0.350451	152.143	-1564.66
116	42	-0.33981	152.258	-1578.93
117	42	-0.331854	152.368	-1592.86
118	44	-0.323919	152.473	-1607.12
119	44	-0.316004	152.573	-1621.02
120	45	-0.308108	152.668	-1634.89
121	46	-0.300232	152.758	-1648.7
122	46	-0.28976	152.842	-1662.03
123	46	-0.281926	152.921	-1674.99
124	47.7	-0.27411	152.997	-1688.07
125	48	-0.266311	153.067	-1700.85
126	50	-0.258527	153.134	-1713.78
127	50	-0.250759	153.197	-1726.32
128	51	-0.240426	153.255	-1738.58
129	51.2	-0.232693	153.309	-1750.49
130	52	-0.224974	153.36	-1762.19
131	54	-0.217267	153.407	-1773.92
132	54.7	-0.209575	153.451	-1785.39
133	56	-0.201894	153.492	-1796.69
134	56	-0.191671	153.528	-1807.43
135	57	-0.184017	153.562	-1817.92
136	58	-0.176374	153.593	-1828.15
137	58	-0.168741	153.622	-1837.93
138	58	-0.161119	153.648	-1847.28
139	59	-0.153505	153.671	-1856.33
140	60	-0.143367	153.692	-1864.94
141	60	-0.135774	153.71	-1873.08
142	61	-0.128189	153.727	-1880.9
143	63	-0.12061	153.741	-1888.5
144	67.8	-0.113039	153.754	-1896.16
145	75	-0.105474	153.765	-1904.08
146	79.7	-0.0953969	153.774	-1911.68
147	88.4	-0.0878447	153.782	-1919.44
148	98.9	-0.0802981	153.788	-1927.39
149	109	-0.0727562	153.794	-1935.32
150	110	-0.0652187	153.798	-1942.49
151	113	-0.0576847	153.801	-1949.01
152	117	-0.0476439	153.804	-1954.58
153	120	-0.0401167	153.805	-1959.4
154	122	-0.0325917	153.806	-1963.37
155	126	-0.0250691	153.807	-1966.53
156	131	-0.0175476	153.807	-1968.83
157	139	-0.0100272	153.807	-1970.22
158	140	0	153.807	-1970.22
159	143	0.0100272	153.807	-1968.79
160	144	0.0175476	153.808	-1966.26
161	149	0.0250691	153.808	-1962.53

162	150	0.0325917	153.809	-1957.64
163	150	0.0401167	153.811	-1951.62
164	152	0.0476439	153.813	-1944.38
165	158	0.0576847	153.817	-1935.27
166	160	0.0652187	153.821	-1924.83
167	168	0.0727562	153.826	-1912.61
168	168	0.0802981	153.833	-1899.12
169	170	0.0878447	153.84	-1884.18
170	170	0.0953969	153.849	-1867.97
171	173	0.105474	153.861	-1849.72
172	175	0.113039	153.873	-1829.94
173	178	0.12061	153.888	-1808.47
174	180	0.128189	153.904	-1785.4
175	180	0.135774	153.923	-1760.96
176	180	0.143367	153.943	-1735.15
177	180	0.153505	153.967	-1707.52
178	183	0.161119	153.993	-1678.03
179	185	0.168741	154.021	-1646.82
180	186	0.176374	154.052	-1614.01
181	187	0.184017	154.086	-1579.6
182	190	0.191671	154.123	-1543.18
183	190	0.201894	154.164	-1504.82
184	194	0.209575	154.208	-1464.17
185	194	0.217267	154.255	-1422.02
186	194	0.224974	154.306	-1378.37
187	196	0.232693	154.36	-1332.76
188	200	0.240426	154.417	-1284.68
189	202	0.250759	154.48	-1234.02
190	203	0.258527	154.547	-1181.54
191	207	0.266311	154.618	-1126.42
192	210	0.27411	154.693	-1068.85
193	210	0.281926	154.773	-1009.65
194	214	0.28976	154.857	-947.64
195	215	0.300232	154.947	-883.09
196	221	0.308108	155.042	-814.998
197	231	0.316004	155.142	-742.002
198	232	0.323919	155.247	-666.852
199	232	0.331854	155.357	-589.862
200	246	0.33981	155.472	-506.269
201	247	0.350451	155.595	-419.708
202	249	0.358459	155.723	-330.451
203	254	0.36649	155.858	-237.363
204	260	0.374544	155.998	-139.981
205	260	0.382622	156.144	-40.4997
206	270	0.390726	156.297	64.9962
207	275	0.401571	156.458	175.428
208	280	0.409735	156.626	290.154
209	280	0.417928	156.801	407.174
210	283	0.426148	156.983	527.774
211	288	0.434397	157.171	652.88
212	313	0.442676	157.367	791.438
213	368	0.453763	157.573	958.423
214	370	0.462114	157.787	1129.41
215	375	0.470498	158.008	1305.84
216	377	0.478914	158.237	1486.39
217	384	0.487364	158.475	1673.54
218	400	0.49585	158.721	1871.88

219	400	0.507221	158.978	2074.77
220	402	0.515791	159.244	2282.12
221	406	0.524401	159.519	2495.02
222	410	0.533048	159.803	2713.57
223	420	0.541736	160.097	2941.1
224	420	0.550465	160.4	3172.3
225	421	0.56217	160.716	3408.97
226	426	0.570999	161.042	3652.22
227	430	0.579873	161.378	3901.56
228	435	0.588793	161.725	4157.69
229	435	0.597761	162.082	4417.71
230	440	0.606775	162.45	4684.69
231	440	0.618872	162.833	4957
232	448	0.628006	163.228	5238.34
233	475	0.637192	163.634	5541.01
234	500	0.646431	164.051	5864.23
235	501	0.655726	164.481	6192.75
236	511	0.665079	164.924	6532.6
237	518	0.67449	165.379	6881.99
238	543	0.687131	165.851	7255.1
239	750	0.696684	166.336	7777.61
240	875	0.706302	166.835	8395.63
241	916	0.715986	167.348	9051.47
242	950	0.725736	167.874	9740.92
243	1070	0.735557	168.415	10528
244	1160	0.748762	168.976	11396.5
245	1210	0.758753	169.552	12314.6
246	1210	0.768821	170.143	13244.9
247	1250	0.778966	170.75	14218.6
248	1250	0.789191	171.373	15205.1
249	1250	0.7995	172.012	16204.5
250	1270	0.813379	172.673	17237.5
251	1300	0.823893	173.352	18308.5
252	1325	0.834498	174.048	19414.2
253	1328	0.845198	174.763	20536.7
254	1350	0.855996	175.496	21692.2
255	1360	0.866894	176.247	22871.2
256	1360	0.881587	177.024	24070.2
257	1375	0.892733	177.821	25297.7
258	1390	0.903992	178.638	26554.2
259	1399	0.915365	179.476	27834.8
260	1400	0.926859	180.335	29132.4
261	1410	0.938476	181.216	30455.7
262	1412	0.954165	182.127	31803
263	1435	0.966088	183.06	33189.3
264	1460	0.97815	184.017	34617.4
265	1500	0.990356	184.997	36102.9
266	1500	1.00271	186.003	37607
267	1500	1.01522	187.034	39129.8
268	1509	1.03215	188.099	40687.4
269	1510	1.04505	189.191	42265.4
270	1510	1.05812	190.311	43863.1
271	1520	1.07138	191.459	45491.6
272	1550	1.08482	192.635	47173.1
273	1553	1.09847	193.842	48879
274	1560	1.11699	195.09	50621.5
275	1580	1.13113	196.369	52408.7

276	1580	1.1455	197.681	54218.6
277	1584	1.16012	199.027	56056.3
278	1590	1.17499	200.408	57924.5
279	1600	1.19012	201.824	59828.7
280	1600	1.21073	203.29	61765.8
281	1600	1.22653	204.794	63728.3
282	1610	1.24264	206.339	65728.9
283	1613	1.25908	207.924	67759.8
284	1616	1.27588	209.552	69821.7
285	1634	1.29303	211.224	71934.5
286	1670	1.31652	212.957	74133.1
287	1670	1.33462	214.738	76361.9
288	1674	1.35317	216.569	78627.1
289	1674	1.3722	218.452	80924.2
290	1690	1.39175	220.389	83276.2
291	1699	1.41183	222.382	85674.9
292	1700	1.43953	224.455	88122.1
293	1700	1.46106	226.589	90605.9
294	1730	1.48328	228.789	93172
295	1739	1.50626	231.058	95791.4
296	1749	1.53007	233.399	98467.5
297	1749	1.55477	235.817	101187
298	1750	1.58927	238.342	103968
299	1760	1.61644	240.955	106813
300	1769	1.64485	243.661	109723
301	1789	1.67466	246.465	112719
302	1799	1.70604	249.376	115788
303	1800	1.7392	252.401	118918
304	1800	1.78661	255.593	122134
305	1800	1.82501	258.923	125419
306	1800	1.86629	262.406	128779
307	1800	1.91103	266.058	132218
308	1874	1.95996	269.9	135891
309	1892	2.01409	273.956	139702
310	1922	2.09693	278.354	143732
311	1999	2.17009	283.063	148070
312	2000	2.25713	288.157	152585
313	2050	2.36561	293.754	157434
314	2099	2.51213	300.064	162707
315	2149	2.74777	307.615	168612

Data Set Standard Deviation = 644.284
 Numerator = 2.843e+010
 Denominator = 4.00951e+010
 W Statistic = 0.709064 = 2.843e+010 / 4.00951e+010

5% Critical value of 0.976 exceeds 0.709064
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.709064
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 126.7

Overall Std Dev = 206.046

Overall Total = 39910.6

SS Groups = 3.63483e+006

SS Total = 1.33308e+007

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	3.63483e+006	4	908708	29.0532
Error (within groups)	9.69599e+006	310	31277.4	
Totals	1.33308e+007	314		

95% F-Statistic = 2.37

29.0532 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	2.1641
	3/14/1995	5.8359
	6/21/1995	4.8359
	12/14/1995	8.1641
	3/6/1996	12.1641
	4/25/1996	0.164103
	10/2/1996	7.8359
	12/10/1996	2.1641
	3/11/1997	28.1641
	4/15/1997	4.1641
	8/14/1997	0.835897
	12/4/1997	3.1641
	3/31/1998	2.1641
	6/23/1998	4.8359
	8/11/1998	8.1641
	12/8/1998	1.1641
	3/9/1999	2.1641
	6/8/1999	2.8359
	8/19/1999	7.8359
	12/14/1999	7.8359
	3/7/2000	17.8359
	6/23/2000	19.8359
	12/12/2000	21.8359
	3/27/2001	27.8359
	6/28/2001	25.8359
	9/10/2001	13.8359
	12/18/2001	13.8359
	3/19/2002	9.8359
	6/26/2002	18.8359
	9/18/2002	24.8359

12/11/2002	23.8359
3/13/2003	23.8359
6/25/2003	30.8359
9/26/2003	26.8359
12/10/2003	7.8359
3/9/2004	25.8359
6/24/2004	28.8359
9/15/2004	11.8359
12/15/2004	15.8359
3/16/2005	9.8359
6/15/2005	9.8359
9/21/2005	9.8359
12/21/2005	25.8359
3/15/2006	17.8359
6/21/2006	1.1641
12/20/2006	2.8359
6/12/2007	8.1641
12/17/2007	5.1641
6/11/2008	3.1641
12/3/2008	4.1641
6/17/2009	12.1641
12/9/2009	8.1641
6/17/2010	15.1641
12/22/2010	12.1641
6/29/2011	11.3641
12/7/2011	14.5641
6/6/2012	8.3641
12/12/2012	9.9641
6/19/2013	10.6641
12/11/2013	14.5641
6/11/2014	12.8641
12/3/2014	15.2641
6/17/2015	19.1641
12/1/2015	16.9641
6/22/2016	19.1641
12/20/2016	16.9641
6/6/2017	16.0641
11/7/2017	15.9641
2/27/2018	16.5641
9/27/2018	15.3641
5/7/2019	13.3641
11/21/2019	10.1641
6/25/2020	21.1641
11/17/2020	17.7641
5/26/2021	19.2641
11/17/2021	14.4641
4/8/2022	17.8641
10/4/2022	17.2641

Group: MW#03-1

Date	Residual
6/24/2004	8.00572
9/15/2004	3.99428
12/15/2004	12.0057
3/16/2005	14.0057
6/15/2005	12.0057
9/21/2005	13.0057
12/20/2006	13.0057

6/12/2007	14.0057
12/17/2007	15.0057
6/11/2008	7.00572
12/3/2008	7.00572
6/17/2009	14.0057
12/9/2009	13.9943
6/17/2010	13.0057
12/22/2010	9.30572
6/29/2011	13.1457
12/7/2011	12.1257
6/6/2012	8.64572
6/19/2013	13.0057
12/11/2013	13.0057
6/11/2014	25.9943
12/3/2014	13.0057
6/17/2015	13.0057
12/1/2015	17.2287
6/22/2016	17.3777
12/20/2016	17.2197
6/6/2017	17.1187
11/7/2017	16.8757
2/27/2018	16.9357
5/7/2019	12.1057
11/21/2019	391.994
6/25/2020	17.3537
11/17/2020	15.7157
5/26/2021	16.3657
11/16/2021	17.3017
4/8/2022	17.0637

Group: MW#03-2

Date	Residual
6/24/2004	96.8651
9/15/2004	128.865
12/15/2004	104.865
3/16/2005	102.865
6/15/2005	102.865
9/21/2005	105.865
12/21/2005	106.865
3/15/2006	105.865
6/21/2006	109.865
12/20/2006	97.8651
6/12/2007	102.865
12/17/2007	112.865
6/11/2008	91.8651
12/3/2008	86.8651
6/17/2009	72.8651
12/9/2009	87.8651
6/17/2010	99.8651
12/22/2010	103.865
6/29/2011	104.465
12/7/2011	109.365
6/6/2012	103.565
12/12/2012	104.565
6/19/2013	100.765
12/11/2013	100.065
6/11/2014	127.865
12/3/2014	81.6651

6/17/2015	78.1651
12/1/2015	65.0651
6/22/2016	53.1651
10/11/2016	44.4651
12/20/2016	6.86512
6/6/2017	15.8651
11/7/2017	155.135
2/27/2018	114.135
9/27/2018	150.135
5/7/2019	180.135
11/21/2019	410.135
6/25/2020	315.135
11/17/2020	302.135
5/26/2021	378.135
11/17/2021	368.135
4/8/2022	307.135
10/3/2022	237.135

Group: MW#93-2

Date	Residual
12/15/1994	1077.88
3/14/1995	22.1163
6/21/1995	1402.88
12/14/1995	271.116
3/6/1996	196.116
4/25/1996	521.116
10/2/1996	75.1163
12/10/1996	82.1163
3/11/1997	156.116
4/15/1997	222.116
8/14/1997	671.116
12/4/1997	291.116
3/31/1998	522.116
6/23/1998	621.116
8/11/1998	396.116
12/8/1998	444.116
3/9/1999	222.116
6/8/1999	261.116
8/19/1999	322.116
12/14/1999	322.116
3/7/2000	149.884
6/23/2000	527.884
12/12/2000	311.116
3/27/2001	271.116
6/28/2001	321.116
9/10/2001	572.116
12/18/2001	122.116
3/19/2002	252.116
6/26/2002	221.116
9/18/2002	196.116
12/11/2002	135.116
3/13/2003	32.1163
6/25/2003	322.116
9/26/2003	138.116
12/10/2003	31.1163
3/9/2004	322.116
6/24/2004	414.116
9/15/2004	42.8837

12/15/2004	122.116
3/16/2005	152.884
6/15/2005	77.8837
9/21/2005	65.8837
12/21/2005	72.1163
3/15/2006	102.884
6/21/2006	22.1163
12/20/2006	227.884
2/21/2007	227.884
6/12/2007	127.884
12/17/2007	78.8837
6/11/2008	267.884
12/3/2008	106.116
6/17/2009	727.884
12/9/2009	602.884
6/17/2010	22.1163
12/22/2010	122.116
6/29/2011	192.116
12/7/2011	32.1163
6/6/2012	132.116
12/12/2012	272.116
6/19/2013	87.8837
12/11/2013	67.8837
6/11/2014	117.884
12/3/2014	42.1163
6/17/2015	1430.18
12/1/2015	282.116
6/22/2016	177.884
12/20/2016	212.116
6/6/2017	102.116
11/7/2017	317.884
2/27/2018	207.884
9/27/2018	227.884
5/7/2019	117.884
11/21/2019	1472.88
6/25/2020	1368.88
11/16/2020	267.884
5/26/2021	192.116
11/17/2021	322.116
4/8/2022	17.8837
10/4/2022	102.116
10/4/2022	112.116

Group: MW#93-3

Date	Residual
12/15/1994	181.694
3/14/1995	161.694
6/21/1995	161.694
12/14/1995	147.694
3/6/1996	109.694
4/25/1996	125.694
10/2/1996	171.694
12/10/1996	118.694
3/11/1997	116.694
4/15/1997	141.694
8/14/1997	657.694
12/4/1997	9.30641
3/31/1998	16.6936

6/23/1998	12.3064
8/11/1998	241.694
12/8/1998	1.69359
3/9/1999	21.6936
6/8/1999	44.3064
8/19/1999	1.69359
12/14/1999	58.3064
3/7/2000	26.3064
6/23/2000	11.6936
12/12/2000	62.3064
3/27/2001	68.3064
6/28/2001	78.3064
9/10/2001	56.3064
12/18/2001	109.306
3/19/2002	55.3064
6/26/2002	78.3064
9/18/2002	73.3064
12/11/2002	80.3064
3/13/2003	51.3064
6/25/2003	68.3064
9/26/2003	100.306
12/10/2003	118.306
3/9/2004	245.306
6/24/2004	98.3064
9/15/2004	119.306
12/15/2004	136.306
3/16/2005	78.3064
6/15/2005	108.306
9/21/2005	43.3064
12/21/2005	78.3064
3/15/2006	37.3064
6/21/2006	48.3064
12/20/2006	48.3064
6/12/2007	148.306
12/17/2007	127.306
6/11/2008	114.306
12/3/2008	106.306
6/17/2009	138.306
12/9/2009	83.3064
6/17/2010	108.306
12/22/2010	88.3064
6/29/2011	88.3064
12/7/2011	159.406
6/6/2012	64.3064
12/12/2012	90.3064
6/19/2013	64.3064
12/11/2013	85.3064
6/11/2014	4.30641
12/3/2014	64.3064
6/17/2015	90.3064
12/1/2015	21.6936
6/22/2016	259.694
12/20/2016	216.694
6/6/2017	145.306
11/7/2017	143.694
2/27/2018	176.694
9/27/2018	167.694

5/7/2019	162.694
11/21/2019	811.694
6/25/2020	115.306
11/16/2020	71.3064
5/26/2021	26.3064
11/17/2021	75.3064
4/8/2022	27.3064
10/4/2022	72.3064

Concentrations (ppb)

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 74

Total Non-Detect: 72

Percent Non-Detects: 97.2973%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/17/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
			10/3/2022	ND<0.02	ND<0.02

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	0.0808	0.0808
			8/22/2018	0.38	0.38
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/17/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/16/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
MW#03-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02

			11/17/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
			10/3/2022	ND<0.02	ND<0.02
MW#93-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/16/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
			10/3/2022	ND<0.02	ND<0.02
MW#93-3	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.02	ND<0.02
			11/16/2020	ND<0.02	ND<0.02
			5/26/2021	ND<0.02	ND<0.02
			11/17/2021	ND<0.02	ND<0.02
			4/8/2022	ND<0.02	ND<0.02
			10/3/2022	ND<0.02	ND<0.02

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 65

Percent Non-Detects: 86.6667%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	14 (93.3333%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	0.000252	0.000252
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	10 (71.4286%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	0.0321	0.0321
			8/22/2018	0.115	0.115
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	0.000211	0.000211
			5/26/2021	ND<0.002	ND<0.002
			11/16/2021	0.000164	0.000164
			4/8/2022	ND<0.002	ND<0.002
MW#03-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002

			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW#93-2	16	12 (75%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	0.000252	0.000252
			11/16/2020	0.000281	0.000281
			5/26/2021	0.00023	0.00023
			11/17/2021	0.000222	0.000222
			4/8/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.02	ND<0.02
			10/4/2022	ND<0.02	ND<0.02
MW#93-3	15	14 (93.3333%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.006	ND<0.006
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/4/2022	0.000143	0.000143

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 86.6667%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.01

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.002	FALSE
MW#03-2	10/3/2022	1	0.002	FALSE
MW#93-2	10/4/2022	2	0.02	TRUE
MW#93-3	10/4/2022	1	0.000143	FALSE

Shapiro-Francia Test of Normality

Parameter: Cobalt

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 75

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.000143	-2.22621	4.956	-0.000318348
2	0.000164	-1.94314	8.73177	-0.000637022
3	0.000211	-1.76241	11.8379	-0.00100889
4	0.000222	-1.62576	14.481	-0.00136981
5	0.00023	-1.5141	16.7735	-0.00171805
6	0.000252	-1.41865	18.786	-0.00207555
7	0.000252	-1.32854	20.5511	-0.00241035
8	0.000281	-1.25357	22.1225	-0.0027626
9	0.002	-1.18504	23.5268	-0.00513269
10	0.002	-1.12168	24.785	-0.00737604
11	0.002	-1.06252	25.9139	-0.00950108
12	0.002	-1.00687	26.9277	-0.0115148
13	0.002	-0.950222	27.8306	-0.0134153
14	0.002	-0.900227	28.641	-0.0152157
15	0.002	-0.852385	29.3676	-0.0169205
16	0.002	-0.806422	30.0179	-0.0185333
17	0.002	-0.7621	30.5987	-0.0200575
18	0.002	-0.719228	31.116	-0.021496
19	0.002	-0.67449	31.5709	-0.022845
20	0.002	-0.634124	31.9731	-0.0241132
21	0.002	-0.594766	32.3268	-0.0253027
22	0.002	-0.556308	32.6363	-0.0264154
23	0.002	-0.518658	32.9053	-0.0274527
24	0.002	-0.481728	33.1373	-0.0284161
25	0.002	-0.445443	33.3358	-0.029307
26	0.002	-0.40701	33.5014	-0.030121
27	0.002	-0.371856	33.6397	-0.0308647
28	0.002	-0.337155	33.7534	-0.0315391
29	0.006	-0.302855	33.8451	-0.0333562
30	0.006	-0.268908	33.9174	-0.0349696
31	0.006	-0.235269	33.9728	-0.0363812
32	0.006	-0.199336	34.0125	-0.0375773
33	0.006	-0.166199	34.0401	-0.0385745
34	0.01	-0.133244	34.0579	-0.0399069
35	0.01	-0.100433	34.068	-0.0409112
36	0.01	-0.0677301	34.0725	-0.0415885
37	0.01	-0.0350997	34.0738	-0.0419395
38	0.01	0	34.0738	-0.0419395
39	0.01	0.0350997	34.075	-0.0415885
40	0.01	0.0677301	34.0796	-0.0409112
41	0.01	0.100433	34.0897	-0.0399069
42	0.01	0.133244	34.1074	-0.0385745
43	0.01	0.166199	34.1351	-0.0369125
44	0.01	0.199336	34.1748	-0.0349191
45	0.01	0.235269	34.2301	-0.0325664
46	0.01	0.268908	34.3025	-0.0298773
47	0.01	0.302855	34.3942	-0.0268488

48	0.01	0.337155	34.5078	-0.0234772
49	0.01	0.371856	34.6461	-0.0197587
50	0.01	0.40701	34.8118	-0.0156886
51	0.01	0.445443	35.0102	-0.0112341
52	0.01	0.481728	35.2423	-0.00641686
53	0.01	0.518658	35.5113	-0.00123029
54	0.01	0.556308	35.8207	0.0043328
55	0.01	0.594766	36.1745	0.0102805
56	0.01	0.634124	36.5766	0.0166217
57	0.01	0.67449	37.0315	0.0233666
58	0.01	0.719228	37.5488	0.0305589
59	0.01	0.7621	38.1296	0.0381799
60	0.01	0.806422	38.7799	0.0462441
61	0.01	0.852385	39.5065	0.0547679
62	0.01	0.900227	40.3169	0.0637702
63	0.01	0.950222	41.2198	0.0732724
64	0.01	1.00687	42.2336	0.0833411
65	0.01	1.06252	43.3626	0.0939663
66	0.01	1.12168	44.6207	0.105183
67	0.01	1.18504	46.0251	0.117034
68	0.01	1.25357	47.5965	0.129569
69	0.01	1.32854	49.3615	0.142855
70	0.01	1.41865	51.3741	0.157041
71	0.01	1.5141	53.6666	0.172182
72	0.02	1.62576	56.3097	0.204697
73	0.02	1.76241	59.4158	0.239946
74	0.0321	1.94314	63.1916	0.30232
75	0.115	2.22621	68.1475	0.558334

Data Set Standard Deviation = 0.0135935
 Numerator = 0.311737
 Denominator = 0.93185
 W Statistic = 0.334536 = 0.311737 / 0.93185

5% Critical value of 0.969 exceeds 0.334536
Evidence of non-normality at 95% level of significance

1% Critical value of 0.956 exceeds 0.334536
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00640676

Overall Std Dev = 0.0114389

Overall Total = 0.480507

SS Groups = 0.00178131

SS Total = 0.00968271

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.00178131	4	0.000445328	3.94525
Error (within groups)	0.00790139	70	0.000112877	
Totals	0.00968271	74		

95% F-Statistic = 2.44724

3.94525 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.0035832
6/19/2018	0.0035832
7/19/2018	0.0035832
8/22/2018	0.0035832
9/19/2018	0.0035832
10/18/2018	0.0035832
11/20/2018	0.0035832
12/20/2018	0.0035832
11/21/2019	0.0004168
6/25/2020	0.0044168
11/17/2020	0.0061648
5/26/2021	0.0044168
11/17/2021	0.0044168
4/8/2022	0.0044168
10/4/2022	0.0044168

Group: MW#03-1

Date	Residual
5/24/2018	0.00567679
6/19/2018	0.00567679
7/19/2018	0.0164232
8/22/2018	0.0993232
10/18/2018	0.00567679
11/20/2018	0.00567679
12/20/2018	0.00567679
3/26/2019	0.00567679
11/21/2019	0.00967679
6/25/2020	0.0136768
11/17/2020	0.0154658
5/26/2021	0.0136768
11/16/2021	0.0155128

4/8/2022 0.0136768

Group: MW#03-2

Date	Residual
5/24/2018	0.00346667
6/19/2018	0.00346667
7/19/2018	0.00346667
8/22/2018	0.00346667
9/19/2018	0.00346667
10/18/2018	0.00346667
11/20/2018	0.00346667
12/20/2018	0.00346667
11/21/2019	0.000533333
6/25/2020	0.00453333
11/17/2020	0.00453333
5/26/2021	0.00453333
11/17/2021	0.00453333
4/8/2022	0.00453333
10/3/2022	0.00453333

Group: MW#93-2

Date	Residual
5/24/2018	0.00193844
6/19/2018	0.00193844
7/19/2018	0.00193844
8/22/2018	0.00193844
9/19/2018	0.00193844
10/18/2018	0.00193844
11/20/2018	0.00193844
12/20/2018	0.00193844
11/21/2019	0.00206156
6/25/2020	0.00780956
11/16/2020	0.00778056
5/26/2021	0.00783156
11/17/2021	0.00783956
4/8/2022	0.00606156
10/4/2022	0.0119384
10/4/2022	0.0119384

Group: MW#93-3

Date	Residual
5/24/2018	0.00359047
6/19/2018	0.00359047
7/19/2018	0.00359047
8/22/2018	0.00359047
9/19/2018	0.00359047
10/18/2018	0.00359047
11/20/2018	0.00359047
12/20/2018	0.00359047
11/21/2019	0.000409533
6/25/2020	0.00440953
11/16/2020	0.00440953
5/26/2021	0.00440953
11/17/2021	0.00440953
4/8/2022	0.00440953
10/4/2022	0.00626653

Levene's Test for Equal of Variance

Parameter: **SPECIFIC CONDUCTANCE**

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 651.608

Overall Std Dev = 1294.49

Overall Total = 203953

SS Groups = 1.095e+008

SS Total = 5.22822e+008

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.095e+008	4	2.73751e+007	20.3994
Error (within groups)	4.13322e+008	308	1.34196e+006	
Totals	5.22822e+008	312		

95% F-Statistic = 2.37

20.3994 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	259.805
	3/14/1995	236.805
	6/21/1995	185.805
	12/14/1995	230.805
	3/6/1996	329.805
	4/25/1996	276.805
	10/2/1996	170.805
	12/10/1996	152.805
	3/11/1997	262.805
	4/15/1997	269.805
	8/14/1997	122.805
	12/4/1997	169.805
	3/31/1998	247.805
	6/23/1998	129.805
	8/11/1998	66.8052
	12/8/1998	548.195
	3/9/1999	259.805
	6/8/1999	38.8052
	8/19/1999	38.8052
	12/14/1999	69.8052
	3/7/2000	49.8052
	6/23/2000	53.1948
	12/12/2000	30.8052
	3/27/2001	129.195
	6/28/2001	220.195
	9/10/2001	34.1948
	12/18/2001	34.1948
	3/19/2002	13.8052
	6/26/2002	176.195
	9/18/2002	83.1948

12/11/2002	175.195
3/13/2003	7.80519
6/25/2003	268.195
9/26/2003	262.195
12/10/2003	280.195
3/9/2004	290.195
6/24/2004	280.195
9/15/2004	278.195
12/15/2004	246.195
3/16/2005	181.195
6/15/2005	191.195
9/21/2005	101.195
12/21/2005	309.805
3/15/2006	21.8052
6/21/2006	207.195
12/20/2006	30.1948
6/12/2007	126.195
12/17/2007	12.8052
6/11/2008	5.80519
12/3/2008	12.1948
6/17/2009	38.8052
12/9/2009	121.805
6/17/2010	160.805
12/22/2010	69.8052
6/29/2011	64.8052
12/7/2011	103.805
6/6/2012	154.805
12/12/2012	112.805
6/19/2013	26.1948
12/11/2013	10.8052
6/11/2014	139.805
12/3/2014	109.805
6/17/2015	129.805
12/1/2015	109.805
6/22/2016	154.805
12/20/2016	153.805
6/6/2017	50.8052
11/7/2017	118.195
2/27/2018	104.805
9/19/2018	180.195
11/21/2019	170.195
6/25/2020	100.195
11/17/2020	120.195
5/26/2021	120.195
11/17/2021	340.195
4/8/2022	220.195
10/4/2022	160.195

Group: MW#03-1

Date	Residual
6/24/2004	2.17429
9/15/2004	187.826
12/15/2004	14.8257
3/16/2005	77.1743
6/15/2005	34.1743
9/21/2005	17.8257
12/20/2006	52.1743
6/12/2007	130.826

12/17/2007	40.8257
6/11/2008	32.1743
12/3/2008	149.826
6/17/2009	19.8257
12/9/2009	30.1743
6/17/2010	0.825714
12/22/2010	4.82571
6/29/2011	36.1743
12/7/2011	1.82571
6/6/2012	42.1743
6/19/2013	126.174
12/11/2013	23.1743
6/11/2014	326.826
12/3/2014	90.1743
6/17/2015	232.174
12/1/2015	114.174
6/22/2016	179.174
6/6/2017	301.174
11/7/2017	55.1743
2/27/2018	313.074
9/19/2018	73.8257
11/21/2019	359.174
6/25/2020	244.174
11/17/2020	24.8257
5/26/2021	371.174
11/16/2021	220.174
4/8/2022	1940.83

Group: MW#03-2

Date	Residual
6/24/2004	510.595
9/15/2004	680.595
12/15/2004	547.595
3/16/2005	541.595
6/15/2005	528.595
9/21/2005	577.595
12/21/2005	630.595
3/15/2006	608.595
6/21/2006	566.595
12/20/2006	622.595
6/12/2007	522.595
12/17/2007	585.595
6/11/2008	528.595
12/3/2008	450.595
6/17/2009	482.595
12/9/2009	512.595
6/17/2010	517.595
12/22/2010	474.595
6/29/2011	454.595
12/7/2011	447.595
6/6/2012	486.595
12/12/2012	395.595
6/19/2013	395.595
12/11/2013	397.595
6/11/2014	983.595
12/3/2014	337.405
6/17/2015	237.595
12/1/2015	235.595

6/22/2016	128.595
12/20/2016	251.405
6/6/2017	295.405
11/7/2017	839.405
9/6/2018	1417.4
9/19/2018	1677.4
5/7/2019	1527.4
11/21/2019	2397.4
6/25/2020	1387.4
11/17/2020	1187.4
5/26/2021	1417.4
11/17/2021	1497.4
4/8/2022	1087.6
10/3/2022	907.405

Group: MW#93-2

Date	Residual
12/15/1994	2072.46
3/14/1995	1805.46
6/21/1995	812.462
12/14/1995	1022.46
3/6/1996	1202.46
4/25/1996	712.462
10/2/1996	602.462
12/10/1996	432.462
3/11/1997	772.462
4/15/1997	332.462
8/14/1997	637.538
12/4/1997	217.538
3/31/1998	785.462
6/23/1998	377.538
8/11/1998	1437.54
12/8/1998	257.538
3/9/1999	782.462
6/8/1999	827.538
8/19/1999	850.538
12/14/1999	332.462
3/7/2000	682.462
6/23/2000	8988.46
12/12/2000	942.462
3/27/2001	237.538
6/28/2001	1577.54
9/10/2001	677.538
12/18/2001	637.538
3/19/2002	174.538
6/26/2002	567.538
9/18/2002	332.462
12/11/2002	260.538
3/13/2003	1102.46
6/25/2003	567.538
9/26/2003	670.538
12/10/2003	527.538
3/9/2004	597.538
6/24/2004	471.538
9/15/2004	317.538
12/15/2004	82.462
3/16/2005	332.462
6/15/2005	12.462

9/21/2005	362.462
12/21/2005	22.462
3/15/2006	1372.46
6/21/2006	192.462
12/20/2006	1712.46
2/21/2007	2362.46
6/12/2007	432.462
12/17/2007	922.462
6/11/2008	422.462
12/3/2008	497.538
12/15/2008	952.462
6/17/2009	667.538
12/9/2009	27.538
6/17/2010	2.46198
12/22/2010	1207.54
6/29/2011	1087.54
12/7/2011	747.538
6/6/2012	467.538
12/12/2012	1437.54
6/19/2013	477.538
12/11/2013	627.538
6/11/2014	82.462
12/3/2014	877.538
6/17/2015	8752.46
12/1/2015	537.538
6/22/2016	3312.46
12/20/2016	1377.54
6/6/2017	2567.54
11/7/2017	10011.9
2/27/2018	10011.6
9/19/2018	5677.54
5/7/2019	5677.54
11/21/2019	5377.54
6/25/2020	2177.54
11/16/2020	2677.54
5/26/2021	3277.54
11/17/2021	4977.54
4/8/2022	3677.54
10/4/2022	3477.54
10/4/2022	3577.54

Group: MW#93-3

Date	Residual
12/15/1994	389.987
3/14/1995	117.987
6/21/1995	48.9872
12/14/1995	161.987
3/6/1996	45.0128
4/25/1996	197.987
10/2/1996	284.987
12/10/1996	54.9872
3/11/1997	2.01282
4/15/1997	128.013
8/14/1997	21.0128
12/4/1997	232.013
3/31/1998	200.013
6/23/1998	158.013
8/11/1998	76.0128

12/8/1998	195.013
3/9/1999	235.013
6/8/1999	192.013
8/19/1999	119.013
12/14/1999	284.013
3/7/2000	122.013
6/23/2000	302.013
12/12/2000	321.013
3/27/2001	223.013
6/28/2001	217.013
9/10/2001	122.013
12/18/2001	308.013
3/19/2002	132.013
6/26/2002	585.013
9/18/2002	263.013
12/11/2002	247.013
3/13/2003	338.013
6/25/2003	261.013
9/26/2003	263.013
12/10/2003	199.013
3/9/2004	491.013
6/24/2004	243.013
9/15/2004	304.013
12/15/2004	400.013
3/16/2005	238.013
6/15/2005	292.013
9/21/2005	217.013
12/21/2005	232.013
3/15/2006	337.013
6/21/2006	146.013
12/20/2006	285.013
6/12/2007	341.013
12/17/2007	462.013
6/11/2008	349.013
12/3/2008	299.013
6/17/2009	299.013
12/9/2009	334.013
6/17/2010	264.013
12/22/2010	282.013
6/29/2011	194.013
12/7/2011	442.013
6/6/2012	169.013
12/12/2012	362.013
6/19/2013	65.9872
12/11/2013	120.013
6/11/2014	127.987
12/3/2014	172.013
6/17/2015	107.987
12/1/2015	434.987
10/11/2016	632.987
12/20/2016	827.987
6/6/2017	370.987
11/7/2017	748.987
9/6/2018	1007.99
9/19/2018	737.987
5/7/2019	1457.99
11/21/2019	827.987

6/25/2020	707.987
11/16/2020	687.987
5/26/2021	757.987
11/17/2021	867.987
4/8/2022	787.987
10/4/2022	647.987

Concentrations (ppb)

Parameter: **SPECIFIC CONDUCTANCE**

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 313

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 77

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	77	0 (0%)	12/15/1994	1080	1080
			3/14/1995	1103	1103
			6/21/1995	1154	1154
			12/14/1995	1109	1109
			3/6/1996	1010	1010
			4/25/1996	1063	1063
			10/2/1996	1169	1169
			12/10/1996	1187	1187
			3/11/1997	1077	1077
			4/15/1997	1070	1070
			8/14/1997	1217	1217
			12/4/1997	1170	1170
			3/31/1998	1092	1092
			6/23/1998	1210	1210
			8/11/1998	1273	1273
			12/8/1998	1888	1888
			3/9/1999	1080	1080
			6/8/1999	1301	1301
			8/19/1999	1301	1301
			12/14/1999	1270	1270
			3/7/2000	1290	1290
			6/23/2000	1393	1393
			12/12/2000	1309	1309
			3/27/2001	1469	1469
			6/28/2001	1560	1560
			9/10/2001	1374	1374
			12/18/2001	1374	1374
			3/19/2002	1326	1326
			6/26/2002	1516	1516
			9/18/2002	1423	1423
			12/11/2002	1515	1515
			3/13/2003	1332	1332
			6/25/2003	1608	1608
			9/26/2003	1602	1602
			12/10/2003	1620	1620
			3/9/2004	1630	1630
			6/24/2004	1620	1620
			9/15/2004	1618	1618
			12/15/2004	1586	1586
			3/16/2005	1521	1521
			6/15/2005	1531	1531
			9/21/2005	1441	1441
			12/21/2005	1030	1030
			3/15/2006	1318	1318
			6/21/2006	1547	1547

12/20/2006	1370	1370
6/12/2007	1466	1466
12/17/2007	1327	1327
6/11/2008	1334	1334
12/3/2008	1352	1352
6/17/2009	1301	1301
12/9/2009	1218	1218
6/17/2010	1179	1179
12/22/2010	1270	1270
6/29/2011	1275	1275
12/7/2011	1236	1236
6/6/2012	1185	1185
12/12/2012	1227	1227
6/19/2013	1366	1366
12/11/2013	1329	1329
6/11/2014	1200	1200
12/3/2014	1230	1230
6/17/2015	1210	1210
12/1/2015	1230	1230
6/22/2016	1185	1185
12/20/2016	1186	1186
6/6/2017	1289	1289
11/7/2017	1458	1458
2/27/2018	1235	1235
9/19/2018	1520	1520
11/21/2019	1510	1510
6/25/2020	1440	1440
11/17/2020	1460	1460
5/26/2021	1460	1460
11/17/2021	1680	1680
4/8/2022	1560	1560
10/4/2022	1500	1500

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	35	0 (0%)	6/24/2004	497	497
			9/15/2004	687	687
			12/15/2004	514	514
			3/16/2005	422	422
			6/15/2005	465	465
			9/21/2005	517	517
			12/20/2006	447	447
			6/12/2007	630	630
			12/17/2007	540	540
			6/11/2008	467	467
			12/3/2008	649	649
			6/17/2009	519	519
			12/9/2009	469	469
			6/17/2010	500	500
			12/22/2010	504	504
			6/29/2011	463	463
			12/7/2011	501	501
			6/6/2012	457	457
			6/19/2013	373	373
			12/11/2013	476	476

6/11/2014	826	826
12/3/2014	409	409
6/17/2015	267	267
12/1/2015	385	385
6/22/2016	320	320
6/6/2017	198	198
11/7/2017	444	444
2/27/2018	186.1	186.1
9/19/2018	573	573
11/21/2019	140	140
6/25/2020	255	255
11/17/2020	524	524
5/26/2021	128	128
11/16/2021	279	279
4/8/2022	2440	2440

MW#03-2 42 0 (0%)

6/24/2004	692	692
9/15/2004	522	522
12/15/2004	655	655
3/16/2005	661	661
6/15/2005	674	674
9/21/2005	625	625
12/21/2005	572	572
3/15/2006	594	594
6/21/2006	636	636
12/20/2006	580	580
6/12/2007	680	680
12/17/2007	617	617
6/11/2008	674	674
12/3/2008	752	752
6/17/2009	720	720
12/9/2009	690	690
6/17/2010	685	685
12/22/2010	728	728
6/29/2011	748	748
12/7/2011	755	755
6/6/2012	716	716
12/12/2012	807	807
6/19/2013	807	807
12/11/2013	805	805
6/11/2014	219	219
12/3/2014	1540	1540
6/17/2015	965	965
12/1/2015	967	967
6/22/2016	1074	1074
12/20/2016	1454	1454
6/6/2017	1498	1498
11/7/2017	2042	2042
9/6/2018	2620	2620
9/19/2018	2880	2880
5/7/2019	2730	2730
11/21/2019	3600	3600
6/25/2020	2590	2590
11/17/2020	2390	2390
5/26/2021	2620	2620
11/17/2021	2700	2700
4/8/2022	115	115

			10/3/2022	2110	2110
MW#93-2	81	0 (0%)	12/15/1994	7950	7950
			3/14/1995	8217	8217
			6/21/1995	9210	9210
			12/14/1995	9000	9000
			3/6/1996	8820	8820
			4/25/1996	9310	9310
			10/2/1996	9420	9420
			12/10/1996	9590	9590
			3/11/1997	9250	9250
			4/15/1997	9690	9690
			8/14/1997	10660	10660
			12/4/1997	10240	10240
			3/31/1998	9237	9237
			6/23/1998	10400	10400
			8/11/1998	11460	11460
			12/8/1998	10280	10280
			3/9/1999	9240	9240
			6/8/1999	10850	10850
			8/19/1999	10873	10873
			12/14/1999	9690	9690
			3/7/2000	9340	9340
			6/23/2000	1034	1034
			12/12/2000	9080	9080
			3/27/2001	10260	10260
			6/28/2001	11600	11600
			9/10/2001	10700	10700
			12/18/2001	10660	10660
			3/19/2002	10197	10197
			6/26/2002	10590	10590
			9/18/2002	9690	9690
			12/11/2002	10283	10283
			3/13/2003	8920	8920
			6/25/2003	10590	10590
			9/26/2003	10693	10693
			12/10/2003	10550	10550
			3/9/2004	10620	10620
			6/24/2004	10494	10494
			9/15/2004	10340	10340
			12/15/2004	9940	9940
			3/16/2005	9690	9690
			6/15/2005	10010	10010
			9/21/2005	9660	9660
			12/21/2005	10000	10000
			3/15/2006	8650	8650
			6/21/2006	9830	9830
			12/20/2006	8310	8310
			2/21/2007	7660	7660
			6/12/2007	9590	9590
			12/17/2007	9100	9100
			6/11/2008	9600	9600
			12/3/2008	10520	10520
			12/15/2008	9070	9070
			6/17/2009	10690	10690
			12/9/2009	10050	10050
			6/17/2010	10020	10020

12/22/2010	11230	11230
6/29/2011	11110	11110
12/7/2011	10770	10770
6/6/2012	10490	10490
12/12/2012	11460	11460
6/19/2013	10500	10500
12/11/2013	10650	10650
6/11/2014	9940	9940
12/3/2014	10900	10900
6/17/2015	1270	1270
12/1/2015	10560	10560
6/22/2016	6710	6710
12/20/2016	11400	11400
6/6/2017	12590	12590
11/7/2017	10.52	10.52
2/27/2018	10.9	10.9
9/19/2018	15700	15700
5/7/2019	15700	15700
11/21/2019	15400	15400
6/25/2020	12200	12200
11/16/2020	12700	12700
5/26/2021	13300	13300
11/17/2021	15000	15000
4/8/2022	13700	13700
10/4/2022	13500	13500
10/4/2022	13600	13600

MW#93-3	78	0 (0%)	12/15/1994	1762	1762
			3/14/1995	1490	1490
			6/21/1995	1421	1421
			12/14/1995	1534	1534
			3/6/1996	1327	1327
			4/25/1996	1570	1570
			10/2/1996	1657	1657
			12/10/1996	1427	1427
			3/11/1997	1370	1370
			4/15/1997	1244	1244
			8/14/1997	1351	1351
			12/4/1997	1140	1140
			3/31/1998	1172	1172
			6/23/1998	1214	1214
			8/11/1998	1296	1296
			12/8/1998	1177	1177
			3/9/1999	1137	1137
			6/8/1999	1180	1180
			8/19/1999	1253	1253
			12/14/1999	1088	1088
			3/7/2000	1250	1250
			6/23/2000	1070	1070
			12/12/2000	1051	1051
			3/27/2001	1149	1149
			6/28/2001	1155	1155
			9/10/2001	1250	1250
			12/18/2001	1064	1064
			3/19/2002	1240	1240
			6/26/2002	787	787
			9/18/2002	1109	1109

12/11/2002	1125	1125
3/13/2003	1034	1034
6/25/2003	1111	1111
9/26/2003	1109	1109
12/10/2003	1173	1173
3/9/2004	881	881
6/24/2004	1129	1129
9/15/2004	1068	1068
12/15/2004	972	972
3/16/2005	1134	1134
6/15/2005	1080	1080
9/21/2005	1155	1155
12/21/2005	1140	1140
3/15/2006	1035	1035
6/21/2006	1226	1226
12/20/2006	1087	1087
6/12/2007	1031	1031
12/17/2007	910	910
6/11/2008	1023	1023
12/3/2008	1073	1073
6/17/2009	1073	1073
12/9/2009	1038	1038
6/17/2010	1108	1108
12/22/2010	1090	1090
6/29/2011	1178	1178
12/7/2011	930	930
6/6/2012	1203	1203
12/12/2012	1010	1010
6/19/2013	1438	1438
12/11/2013	1252	1252
6/11/2014	1500	1500
12/3/2014	1200	1200
6/17/2015	1480	1480
12/1/2015	1807	1807
10/11/2016	2005	2005
12/20/2016	2200	2200
6/6/2017	1743	1743
11/7/2017	2121	2121
9/6/2018	2380	2380
9/19/2018	2110	2110
5/7/2019	2830	2830
11/21/2019	2200	2200
6/25/2020	2080	2080
11/16/2020	2060	2060
5/26/2021	2130	2130
11/17/2021	2240	2240
4/8/2022	2160	2160
10/4/2022	2020	2020

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: **SPECIFIC CONDUCTANCE**

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 77

Maximum Background Value = 1888

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	2440	TRUE
MW#03-2	10/3/2022	1	2110	TRUE
MW#93-2	10/4/2022	2	13550	TRUE
MW#93-3	10/4/2022	1	2020	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: SPECIFIC CONDUCTANCE

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 41

Maximum Baseline Concentration = 3600

Confidence Level = 97.6%

False Positive Rate = 2.4%

Baseline Measurements	Date	Value
	6/24/2004	692
	9/15/2004	522
	12/15/2004	655
	3/16/2005	661
	6/15/2005	674
	9/21/2005	625
	12/21/2005	572
	3/15/2006	594
	6/21/2006	636
	12/20/2006	580
	6/12/2007	680
	12/17/2007	617
	6/11/2008	674
	12/3/2008	752
	6/17/2009	720
	12/9/2009	690
	6/17/2010	685
	12/22/2010	728
	6/29/2011	748
	12/7/2011	755
	6/6/2012	716
	12/12/2012	807
	6/19/2013	807
	12/11/2013	805
	6/11/2014	219
	12/3/2014	1540
	6/17/2015	965
	12/1/2015	967
	6/22/2016	1074
	12/20/2016	1454
	6/6/2017	1498
	11/7/2017	2042
	9/6/2018	2620
	9/19/2018	2880
	5/7/2019	2730
	11/21/2019	3600
	6/25/2020	2590
	11/17/2020	2390
	5/26/2021	2620
	11/17/2021	2700
	4/8/2022	115

Date	Count	Mean	Significant
10/3/2022	1	2110	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: SPECIFIC CONDUCTANCE

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 41

Maximum Baseline Concentration = 11600

Confidence Level = 97.6%

False Positive Rate = 2.4%

Baseline Measurements	Date	Value
	12/15/1994	7950
	3/14/1995	8217
	6/21/1995	9210
	12/14/1995	9000
	3/6/1996	8820
	4/25/1996	9310
	10/2/1996	9420
	12/10/1996	9590
	3/11/1997	9250
	4/15/1997	9690
	8/14/1997	10660
	12/4/1997	10240
	3/31/1998	9237
	6/23/1998	10400
	8/11/1998	11460
	12/8/1998	10280
	3/9/1999	9240
	6/8/1999	10850
	8/19/1999	10873
	12/14/1999	9690
	3/7/2000	9340
	6/23/2000	1034
	12/12/2000	9080
	3/27/2001	10260
	6/28/2001	11600
	9/10/2001	10700
	12/18/2001	10660
	3/19/2002	10197
	6/26/2002	10590
	9/18/2002	9690
	12/11/2002	10283
	3/13/2003	8920
	6/25/2003	10590
	9/26/2003	10693
	12/10/2003	10550
	3/9/2004	10620
	6/24/2004	10494
	9/15/2004	10340
	12/15/2004	9940
	3/16/2005	9690
	6/15/2005	10010

Date	Count	Mean	Significant
10/4/2022	2	13550	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: SPECIFIC CONDUCTANCE

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 41

Maximum Baseline Concentration = 1762

Confidence Level = 97.6%

False Positive Rate = 2.4%

Baseline Measurements	Date	Value
	12/15/1994	1762
	3/14/1995	1490
	6/21/1995	1421
	12/14/1995	1534
	3/6/1996	1327
	4/25/1996	1570
	10/2/1996	1657
	12/10/1996	1427
	3/11/1997	1370
	4/15/1997	1244
	8/14/1997	1351
	12/4/1997	1140
	3/31/1998	1172
	6/23/1998	1214
	8/11/1998	1296
	12/8/1998	1177
	3/9/1999	1137
	6/8/1999	1180
	8/19/1999	1253
	12/14/1999	1088
	3/7/2000	1250
	6/23/2000	1070
	12/12/2000	1051
	3/27/2001	1149
	6/28/2001	1155
	9/10/2001	1250
	12/18/2001	1064
	3/19/2002	1240
	6/26/2002	787
	9/18/2002	1109
	12/11/2002	1125
	3/13/2003	1034
	6/25/2003	1111
	9/26/2003	1109
	12/10/2003	1173
	3/9/2004	881
	6/24/2004	1129
	9/15/2004	1068
	12/15/2004	972
	3/16/2005	1134
	6/15/2005	1080

Date	Count	Mean	Significant
10/4/2022	1	2020	TRUE

Shapiro-Francia Test of Normality

Parameter: SPECIFIC CONDUCTANCE

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 313

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	10.52	-2.74777	7.55021	-28.9065
2	10.9	-2.51213	13.861	-56.2887
3	115	-2.36561	19.4572	-328.334
4	128	-2.25713	24.5518	-617.247
5	140	-2.17009	29.2611	-921.06
6	186.1	-2.07485	33.5661	-1307.19
7	198	-2.01409	37.6227	-1705.98
8	219	-1.95996	41.4641	-2135.21
9	255	-1.91103	45.1161	-2622.52
10	267	-1.86629	48.5992	-3120.82
11	279	-1.81191	51.8822	-3626.35
12	320	-1.77438	55.0306	-4194.15
13	373	-1.7392	58.0555	-4842.87
14	385	-1.70604	60.966	-5499.7
15	409	-1.67466	63.7705	-6184.63
16	422	-1.64485	66.4761	-6878.76
17	444	-1.60725	69.0593	-7592.38
18	447	-1.58047	71.5572	-8298.85
19	457	-1.55477	73.9745	-9009.38
20	463	-1.53007	76.3156	-9717.8
21	465	-1.50626	78.5844	-10418.2
22	467	-1.47579	80.7624	-11107.4
23	469	-1.4538	82.8759	-11789.2
24	476	-1.4325	84.928	-12471.1
25	497	-1.41183	86.9213	-13172.8
26	500	-1.39175	88.8582	-13868.7
27	501	-1.3722	90.7412	-14556.1
28	504	-1.34694	92.5554	-15235
29	514	-1.32854	94.3204	-15917.9
30	517	-1.31058	96.0381	-16595.4
31	519	-1.29303	97.71	-17266.5
32	522	-1.27588	99.3378	-17932.5
33	524	-1.25357	100.909	-18589.4
34	540	-1.23724	102.44	-19257.5
35	572	-1.22123	103.931	-19956
36	573	-1.20553	105.385	-20646.8
37	580	-1.19012	106.801	-21337.1
38	594	-1.17	108.17	-22032.1
39	617	-1.15522	109.505	-22744.8
40	625	-1.14069	110.806	-23457.8
41	630	-1.12639	112.074	-24167.4
42	636	-1.11232	113.312	-24874.8
43	649	-1.09847	114.518	-25587.7
44	655	-1.08032	115.685	-26295.3
45	661	-1.06694	116.824	-27000.6
46	674	-1.05375	117.934	-27710.8
47	674	-1.04073	119.017	-28412.3

48	680	-1.02789	120.074	-29111.2
49	685	-1.01104	121.096	-29803.8
50	687	-0.998575	122.093	-30489.8
51	690	-0.986272	123.066	-31170.3
52	692	-0.974114	124.015	-31844.4
53	716	-0.9621	124.94	-32533.3
54	720	-0.950222	125.843	-33217.5
55	728	-0.93459	126.717	-33897.8
56	748	-0.923014	127.569	-34588.2
57	752	-0.911562	128.4	-35273.7
58	755	-0.900227	129.21	-35953.4
59	787	-0.889006	130.001	-36653.1
60	805	-0.874218	130.765	-37356.8
61	807	-0.863249	131.51	-38053.4
62	807	-0.852385	132.237	-38741.3
63	826	-0.841621	132.945	-39436.5
64	881	-0.830953	133.635	-40168.6
65	910	-0.816874	134.303	-40911.9
66	930	-0.806422	134.953	-41661.9
67	965	-0.796056	135.587	-42430.1
68	967	-0.785774	136.204	-43189.9
69	972	-0.775574	136.806	-43943.8
70	1010	-0.765456	137.392	-44716.9
71	1010	-0.752084	137.957	-45476.5
72	1023	-0.742143	138.508	-46235.7
73	1030	-0.732275	139.044	-46990
74	1031	-0.722479	139.566	-47734.8
75	1034	-0.712751	140.074	-48471.8
76	1034	-0.699883	140.564	-49195.5
77	1035	-0.690309	141.041	-49910
78	1038	-0.680797	141.504	-50616.6
79	1051	-0.671346	141.955	-51322.2
80	1063	-0.661955	142.393	-52025.9
81	1064	-0.652622	142.819	-52720.3
82	1068	-0.640266	143.229	-53404.1
83	1070	-0.631062	143.627	-54079.3
84	1070	-0.621911	144.014	-54744.8
85	1073	-0.612813	144.389	-55402.3
86	1073	-0.603765	144.754	-56050.1
87	1074	-0.591776	145.104	-56685.7
88	1077	-0.582841	145.444	-57313.4
89	1080	-0.573953	145.773	-57933.3
90	1080	-0.565108	146.092	-58543.6
91	1080	-0.556308	146.402	-59144.4
92	1087	-0.547551	146.702	-59739.6
93	1088	-0.53594	146.989	-60322.7
94	1090	-0.52728	147.267	-60897.5
95	1092	-0.518658	147.536	-61463.8
96	1103	-0.510074	147.796	-62026.4
97	1108	-0.501527	148.048	-62582.1
98	1109	-0.490189	148.288	-63125.8
99	1109	-0.481728	148.52	-63660
100	1109	-0.473299	148.744	-64184.9
101	1111	-0.464904	148.96	-64701.4
102	1125	-0.456542	149.169	-65215
103	1129	-0.445443	149.367	-65717.9
104	1134	-0.437153	149.558	-66213.6

105	1137	-0.428895	149.742	-66701.3
106	1140	-0.420664	149.919	-67180.8
107	1140	-0.412463	150.089	-67651.1
108	1149	-0.40429	150.253	-68115.6
109	1154	-0.393433	150.407	-68569.6
110	1155	-0.385321	150.556	-69014.6
111	1155	-0.377233	150.698	-69450.4
112	1169	-0.369171	150.835	-69881.9
113	1170	-0.361133	150.965	-70304.4
114	1172	-0.350451	151.088	-70715.2
115	1173	-0.342466	151.205	-71116.9
116	1177	-0.334503	151.317	-71510.6
117	1178	-0.326561	151.424	-71895.3
118	1179	-0.318639	151.525	-72271
119	1180	-0.310738	151.622	-72637.6
120	1185	-0.300232	151.712	-72993.4
121	1185	-0.292375	151.797	-73339.9
122	1186	-0.284535	151.878	-73677.3
123	1187	-0.276714	151.955	-74005.8
124	1200	-0.268908	152.027	-74328.5
125	1200	-0.258527	152.094	-74638.7
126	1203	-0.250759	152.157	-74940.4
127	1210	-0.243007	152.216	-75234.4
128	1210	-0.235269	152.271	-75519.1
129	1214	-0.227545	152.323	-75795.3
130	1217	-0.217267	152.37	-76059.7
131	1218	-0.209575	152.414	-76315
132	1226	-0.201894	152.455	-76562.5
133	1227	-0.194225	152.493	-76800.8
134	1230	-0.186567	152.527	-77030.3
135	1230	-0.17892	152.559	-77250.4
136	1235	-0.168741	152.588	-77458.8
137	1236	-0.161119	152.614	-77657.9
138	1240	-0.153505	152.637	-77848.3
139	1244	-0.1459	152.659	-78029.8
140	1250	-0.138305	152.678	-78202.6
141	1250	-0.128189	152.694	-78362.9
142	1252	-0.12061	152.709	-78513.9
143	1253	-0.113039	152.722	-78655.5
144	1270	-0.105474	152.733	-78789.5
145	1270	-0.0979139	152.742	-78913.8
146	1270	-0.0903606	152.751	-79028.6
147	1273	-0.0802981	152.757	-79130.8
148	1275	-0.0727562	152.762	-79223.6
149	1289	-0.0652187	152.767	-79307.6
150	1290	-0.0576847	152.77	-79382.1
151	1296	-0.0501541	152.772	-79447.1
152	1301	-0.0401167	152.774	-79499.2
153	1301	-0.0325917	152.775	-79541.6
154	1301	-0.0250691	152.776	-79574.3
155	1309	-0.0175476	152.776	-79597.2
156	1318	-0.0100272	152.776	-79610.4
157	1326	0	152.776	-79610.4
158	1327	0.0100272	152.776	-79597.1
159	1327	0.0175476	152.776	-79573.9
160	1329	0.0250691	152.777	-79540.5
161	1332	0.0325917	152.778	-79497.1

162	1334	0.0401167	152.78	-79443.6
163	1351	0.0501541	152.782	-79375.9
164	1352	0.0576847	152.786	-79297.9
165	1366	0.0652187	152.79	-79208.8
166	1370	0.0727562	152.795	-79109.1
167	1370	0.0802981	152.802	-78999.1
168	1374	0.0903606	152.81	-78874.9
169	1374	0.0979139	152.819	-78740.4
170	1393	0.105474	152.83	-78593.5
171	1421	0.113039	152.843	-78432.8
172	1423	0.12061	152.858	-78261.2
173	1427	0.128189	152.874	-78078.3
174	1438	0.138305	152.893	-77879.4
175	1440	0.1459	152.915	-77669.3
176	1441	0.153505	152.938	-77448.1
177	1454	0.161119	152.964	-77213.8
178	1458	0.168741	152.993	-76967.8
179	1460	0.17892	153.025	-76706.6
180	1460	0.186567	153.059	-76434.2
181	1466	0.194225	153.097	-76149.5
182	1469	0.201894	153.138	-75852.9
183	1480	0.209575	153.182	-75542.7
184	1490	0.217267	153.229	-75219
185	1498	0.227545	153.281	-74878.1
186	1500	0.235269	153.336	-74525.2
187	1500	0.243007	153.395	-74160.7
188	1510	0.250759	153.458	-73782.1
189	1515	0.258527	153.525	-73390.4
190	1516	0.268908	153.597	-72982.7
191	1520	0.276714	153.674	-72562.1
192	1521	0.284535	153.755	-72129.4
193	1531	0.292375	153.84	-71681.7
194	1534	0.300232	153.93	-71221.2
195	1540	0.310738	154.027	-70742.6
196	1547	0.318639	154.129	-70249.7
197	1560	0.326561	154.235	-69740.3
198	1560	0.334503	154.347	-69218.4
199	1570	0.342466	154.464	-68680.8
200	1586	0.350451	154.587	-68125
201	1602	0.361133	154.718	-67546.4
202	1608	0.369171	154.854	-66952.8
203	1618	0.377233	154.996	-66342.4
204	1620	0.385321	155.145	-65718.2
205	1620	0.393433	155.299	-65080.8
206	1630	0.40429	155.463	-64421.9
207	1657	0.412463	155.633	-63738.4
208	1680	0.420664	155.81	-63031.7
209	1743	0.428895	155.994	-62284.1
210	1762	0.437153	156.185	-61513.9
211	1807	0.445443	156.383	-60708.9
212	1888	0.456542	156.592	-59847
213	2005	0.464904	156.808	-58914.9
214	2020	0.473299	157.032	-57958.8
215	2042	0.481728	157.264	-56975.1
216	2060	0.490189	157.504	-55965.3
217	2080	0.501527	157.756	-54922.1
218	2110	0.510074	158.016	-53845.9

219	2110	0.518658	158.285	-52751.5
220	2121	0.52728	158.563	-51633.2
221	2130	0.53594	158.85	-50491.6
222	2160	0.547551	159.15	-49308.9
223	2200	0.556308	159.46	-48085
224	2200	0.565108	159.779	-46841.8
225	2240	0.573953	160.108	-45556.1
226	2380	0.582841	160.448	-44169
227	2390	0.591776	160.798	-42754.6
228	2440	0.603765	161.163	-41281.4
229	2590	0.612813	161.538	-39694.3
230	2620	0.621911	161.925	-38064.8
231	2620	0.631062	162.323	-36411.5
232	2700	0.640266	162.733	-34682.7
233	2730	0.652622	163.159	-32901.1
234	2830	0.661955	163.597	-31027.8
235	2880	0.671346	164.048	-29094.3
236	3600	0.680797	164.512	-26643.4
237	6710	0.690309	164.988	-22011.4
238	7660	0.699883	165.478	-16650.3
239	7950	0.712751	165.986	-10984
240	8217	0.722479	166.508	-5047.36
241	8310	0.732275	167.044	1037.85
242	8650	0.742143	167.595	7457.39
243	8820	0.752084	168.161	14090.8
244	8920	0.765456	168.747	20918.6
245	9000	0.775574	169.348	27898.8
246	9070	0.785774	169.965	35025.8
247	9080	0.796056	170.599	42254
248	9100	0.806422	171.249	49592.4
249	9210	0.816874	171.917	57115.8
250	9237	0.830953	172.607	64791.3
251	9240	0.841621	173.316	72567.9
252	9250	0.852385	174.042	80452.5
253	9310	0.863249	174.787	88489.3
254	9340	0.874218	175.552	96654.5
255	9420	0.889006	176.342	105029
256	9590	0.900227	177.152	113662
257	9590	0.911562	177.983	122404
258	9600	0.923014	178.835	131265
259	9660	0.93459	179.709	140293
260	9690	0.950222	180.612	149501
261	9690	0.9621	181.537	158823
262	9690	0.974114	182.486	168263
263	9690	0.986272	183.459	177820
264	9830	0.998575	184.456	187636
265	9940	1.01104	185.478	197685
266	9940	1.02789	186.535	207903
267	10000	1.04073	187.618	218310
268	10010	1.05375	188.728	228858
269	10020	1.06694	189.867	239549
270	10050	1.08032	191.034	250406
271	10197	1.09847	192.24	261607
272	10240	1.11232	193.478	272997
273	10260	1.12639	194.746	284554
274	10280	1.14069	196.048	296280
275	10283	1.15522	197.382	308159

276	10340	1.17	198.751	320257
277	10400	1.19012	200.167	332634
278	10490	1.20553	201.621	345280
279	10494	1.22123	203.112	358096
280	10500	1.23724	204.643	371087
281	10520	1.25357	206.214	384274
282	10550	1.27588	207.842	397735
283	10560	1.29303	209.514	411389
284	10590	1.31058	211.232	425268
285	10590	1.32854	212.997	439338
286	10620	1.34694	214.811	453642
287	10650	1.3722	216.694	468256
288	10660	1.39175	218.631	483092
289	10660	1.41183	220.624	498142
290	10690	1.4325	222.676	513456
291	10693	1.4538	224.79	529001
292	10700	1.47579	226.968	544792
293	10770	1.50626	229.237	561015
294	10850	1.53007	231.578	577616
295	10873	1.55477	233.995	594521
296	10900	1.58047	236.493	611748
297	11110	1.60725	239.076	629604
298	11230	1.64485	241.782	648076
299	11400	1.67466	244.586	667167
300	11460	1.70604	247.497	686718
301	11460	1.7392	250.521	706650
302	11600	1.77438	253.67	727232
303	12200	1.81191	256.953	749338
304	12590	1.86629	260.436	772834
305	12700	1.91103	264.088	797105
306	13300	1.95996	267.929	823172
307	13500	2.01409	271.986	850362
308	13600	2.07485	276.291	878580
309	13700	2.17009	281	908310
310	15000	2.25713	286.095	942167
311	15400	2.36561	291.691	978598
312	15700	2.51213	298.002	1.01804e+006
313	15700	2.74777	305.552	1.06118e+006

Data Set Standard Deviation = 4141.31

Numerator = 1.1261e+012

Denominator = 1.63499e+012

W Statistic = 0.688749 = 1.1261e+012 / 1.63499e+012

5% Critical value of 0.976 exceeds 0.688749

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.688749

Evidence of non-normality at 99% level of significance

Concentrations (ppb)

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 132

Total Non-Detect: 47

Percent Non-Detects: 35.6061%

Total Background Measurements: 27

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	27	10 (37.037%)	10/11/2016	0.1	0.1
			12/20/2016	0.2	0.2
			2/16/2017	0.16	0.16
			3/8/2017	0.19	0.19
			5/9/2017	0.13	0.13
			6/6/2017	0.14	0.14
			8/22/2017	0.1	0.1
			9/22/2017	0.11	0.11
			11/7/2017	0.12	0.12
			2/27/2018	0.16	0.16
			5/24/2018	ND<0.2	ND<0.2
			6/19/2018	ND<0.2	ND<0.2
			7/19/2018	ND<0.2	ND<0.2
			8/22/2018	ND<0.2	ND<0.2
			9/19/2018	0.243	0.243
			9/27/2018	ND<0.1	ND<0.1
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	ND<0.2	ND<0.2
			12/20/2018	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.168	0.168
			11/17/2020	0.183	0.183
5/26/2021	0.245	0.245			
11/17/2021	0.168	0.168			
4/8/2022	0.194	0.194			
10/4/2022	0.162	0.162			

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	26	14 (53.8462%)	10/11/2016	ND<0.1	ND<0.1
			12/20/2016	0.18	0.18
			2/16/2017	0.13	0.13
			3/8/2017	0.19	0.19
			5/9/2017	0.1	0.1
			6/6/2017	ND<0.1	ND<0.1
			8/22/2017	0.1	0.1
			9/22/2017	0.1	0.1
			11/7/2017	0.12	0.12
			2/27/2018	0.1	0.1
			5/24/2018	ND<0.2	ND<0.2
			6/19/2018	ND<0.2	ND<0.2
			7/19/2018	ND<0.2	ND<0.2

			8/22/2018	ND<0.1	ND<0.1
			9/19/2018	0.21	0.21
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	ND<0.2	ND<0.2
			12/20/2018	ND<0.2	ND<0.2
			3/26/2019	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.0846	0.0846
			11/17/2020	0.109	0.109
			5/26/2021	ND<0.15	ND<0.15
			11/16/2021	0.134	0.134
			4/8/2022	ND<0.15	ND<0.15
<hr/>					
MW#03-2	26	14 (53.8462%)	10/11/2016	ND<0.1	ND<0.1
			12/20/2016	0.14	0.14
			2/16/2017	0.12	0.12
			3/8/2017	0.14	0.14
			5/9/2017	ND<0.1	ND<0.1
			6/6/2017	0.1	0.1
			8/22/2017	ND<0.1	ND<0.1
			9/22/2017	ND<0.1	ND<0.1
			11/7/2017	0.1	0.1
			2/27/2018	0.12	0.12
			5/24/2018	ND<0.2	ND<0.2
			6/19/2018	ND<0.2	ND<0.2
			7/19/2018	ND<0.2	ND<0.2
			8/22/2018	ND<0.2	ND<0.2
			9/19/2018	0.21	0.21
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	ND<0.2	ND<0.2
			12/20/2018	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.119	0.119
			11/17/2020	0.116	0.116
			5/26/2021	0.09	0.09
			11/17/2021	0.117	0.117
			4/8/2022	0.0746	0.0746
			10/3/2022	ND<0.15	ND<0.15
<hr/>					
MW#93-2	27	3 (11.1111%)	10/11/2016	0.81	0.81
			12/20/2016	1.06	1.06
			2/16/2017	0.68	0.68
			3/8/2017	0.79	0.79
			5/9/2017	0.7	0.7
			6/6/2017	0.68	0.68
			8/22/2017	0.35	0.35
			9/22/2017	0.51	0.51
			11/7/2017	0.12	0.12
			2/27/2018	ND<0.1	ND<0.1
			5/24/2018	0.937	0.937
			6/19/2018	0.991	0.991
			7/19/2018	0.906	0.906
			8/22/2018	0.865	0.865
			9/19/2018	1	1
			10/18/2018	0.698	0.698

11/20/2018	1.02	1.02
12/20/2018	0.685	0.685
5/7/2019	0.367	0.367
11/21/2019	0.554	0.554
6/25/2020	0.313	0.313
11/16/2020	0.705	0.705
5/26/2021	0.287	0.287
11/17/2021	0.793	0.793
4/8/2022	0.375	0.375
10/4/2022	ND<3	ND<3
10/4/2022	ND<3	ND<3

MW#93-3	26	6 (23.0769%)	10/11/2016	0.15	0.15
			12/20/2016	0.23	0.23
			2/16/2017	0.2	0.2
			3/8/2017	0.22	0.22
			5/9/2017	0.18	0.18
			6/6/2017	0.24	0.24
			8/22/2017	0.23	0.23
			9/22/2017	0.2	0.2
			11/7/2017	0.2	0.2
			2/27/2018	0.21	0.21
			5/24/2018	0.23	0.23
			6/19/2018	0.223	0.223
			7/19/2018	ND<0.21	ND<0.21
			8/22/2018	ND<0.2	ND<0.2
			9/19/2018	0.389	0.389
			10/18/2018	ND<0.2	ND<0.2
			11/20/2018	0.283	0.283
			12/20/2018	ND<0.2	ND<0.2
			5/7/2019	ND<0.2	ND<0.2
			11/21/2019	ND<0.2	ND<0.2
			6/25/2020	0.252	0.252
			11/16/2020	0.27	0.27
			5/26/2021	0.233	0.233
			11/17/2021	0.329	0.329
			4/8/2022	0.19	0.19
			10/4/2022	0.278	0.278

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 35.6061%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 27

Maximum Background Value = 0.245

Confidence Level = 87.1%

False Positive Rate = 12.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.15	FALSE
MW#03-2	10/3/2022	1	0.15	FALSE
MW#93-2	10/4/2022	2	3	TRUE
MW#93-3	10/4/2022	1	0.278	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 4%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 25

Maximum Baseline Concentration = 1.06

Confidence Level = 96.2%

False Positive Rate = 3.8%

Baseline Measurements	Date	Value
	10/11/2016	0.81
	12/20/2016	1.06
	2/16/2017	0.68
	3/8/2017	0.79
	5/9/2017	0.7
	6/6/2017	0.68
	8/22/2017	0.35
	9/22/2017	0.51
	11/7/2017	0.12
	2/27/2018	ND<0.1
	5/24/2018	0.937
	6/19/2018	0.991
	7/19/2018	0.906
	8/22/2018	0.865
	9/19/2018	1
	10/18/2018	0.698
	11/20/2018	1.02
	12/20/2018	0.685
	5/7/2019	0.367
	11/21/2019	0.554
	6/25/2020	0.313
	11/16/2020	0.705
	5/26/2021	0.287
	11/17/2021	0.793
	4/8/2022	0.375

Date	Count	Mean	Significant
10/4/2022	2	3	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 24%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 25

Maximum Baseline Concentration = 0.389

Confidence Level = 96.2%

False Positive Rate = 3.8%

Baseline Measurements	Date	Value
	10/11/2016	0.15
	12/20/2016	0.23
	2/16/2017	0.2
	3/8/2017	0.22
	5/9/2017	0.18
	6/6/2017	0.24
	8/22/2017	0.23
	9/22/2017	0.2
	11/7/2017	0.2
	2/27/2018	0.21
	5/24/2018	0.23
	6/19/2018	0.223
	7/19/2018	ND<0.21
	8/22/2018	ND<0.2
	9/19/2018	0.389
	10/18/2018	ND<0.2
	11/20/2018	0.283
	12/20/2018	ND<0.2
	5/7/2019	ND<0.2
	11/21/2019	ND<0.2
	6/25/2020	0.252
	11/16/2020	0.27
	5/26/2021	0.233
	11/17/2021	0.329
	4/8/2022	0.19

Date	Count	Mean	Significant
10/4/2022	1	0.278	FALSE

Shapiro-Francia Test of Normality

Parameter: Fluoride

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 132

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.0746	-2.45727	6.03819	-0.183313
2	0.0846	-2.17009	10.7475	-0.366902
3	0.09	-2.01409	14.8041	-0.548171
4	0.1	-1.88079	18.3414	-0.73625
5	0.1	-1.78661	21.5334	-0.914911
6	0.1	-1.6954	24.4078	-1.08445
7	0.1	-1.62576	27.0509	-1.24703
8	0.1	-1.55477	29.4682	-1.4025
9	0.1	-1.49852	31.7138	-1.55236
10	0.1	-1.43953	33.786	-1.69631
11	0.1	-1.39175	35.723	-1.83548
12	0.1	-1.34075	37.5206	-1.96956
13	0.1	-1.29884	39.2076	-2.09944
14	0.1	-1.25357	40.779	-2.2248
15	0.1	-1.21596	42.2575	-2.34639
16	0.1	-1.17499	43.6381	-2.46389
17	0.1	-1.14069	44.9393	-2.57796
18	0.1	-1.10306	46.156	-2.68827
19	0.1	-1.07138	47.3039	-2.79541
20	0.1	-1.03643	48.3781	-2.89905
21	0.109	-1.00687	49.3919	-3.0088
22	0.11	-0.974114	50.3408	-3.11595
23	0.116	-0.946291	51.2362	-3.22572
24	0.117	-0.915365	52.0741	-3.33282
25	0.119	-0.889006	52.8645	-3.43861
26	0.12	-0.859618	53.6034	-3.54176
27	0.12	-0.830953	54.2939	-3.64148
28	0.12	-0.806422	54.9442	-3.73825
29	0.12	-0.778966	55.551	-3.83172
30	0.12	-0.755415	56.1216	-3.92237
31	0.13	-0.729003	56.6531	-4.01715
32	0.13	-0.706302	57.152	-4.10896
33	0.134	-0.680797	57.6154	-4.20019
34	0.14	-0.658838	58.0495	-4.29243
35	0.14	-0.634124	58.4516	-4.38121
36	0.14	-0.612813	58.8272	-4.467
37	0.15	-0.588793	59.1738	-4.55532
38	0.15	-0.568052	59.4965	-4.64053
39	0.15	-0.544642	59.7932	-4.72222
40	0.15	-0.524401	60.0681	-4.80088
41	0.16	-0.501527	60.3197	-4.88113
42	0.16	-0.481728	60.5517	-4.9582
43	0.162	-0.459327	60.7627	-5.03261
44	0.168	-0.439913	60.9562	-5.10652
45	0.168	-0.417928	61.1309	-5.17673
46	0.18	-0.398855	61.29	-5.24853
47	0.18	-0.377233	61.4323	-5.31643

48	0.183	-0.358459	61.5608	-5.38203
49	0.19	-0.337155	61.6745	-5.44609
50	0.19	-0.318639	61.776	-5.50663
51	0.19	-0.297612	61.8646	-5.56317
52	0.194	-0.279319	61.9426	-5.61736
53	0.2	-0.258527	62.0094	-5.66907
54	0.2	-0.237847	62.066	-5.71664
55	0.2	-0.219834	62.1143	-5.7606
56	0.2	-0.199336	62.1541	-5.80047
57	0.2	-0.181468	62.187	-5.83676
58	0.2	-0.161119	62.2129	-5.86899
59	0.2	-0.143367	62.2335	-5.89766
60	0.2	-0.123135	62.2487	-5.92229
61	0.2	-0.105474	62.2598	-5.94338
62	0.2	-0.0853288	62.2671	-5.96045
63	0.2	-0.0677301	62.2717	-5.97399
64	0.2	-0.0476439	62.2739	-5.98352
65	0.2	-0.0300838	62.2748	-5.98954
66	0.2	-0.0100272	62.2749	-5.99155
67	0.2	0.0100272	62.275	-5.98954
68	0.2	0.0300838	62.2759	-5.98352
69	0.2	0.0476439	62.2782	-5.97399
70	0.2	0.0677301	62.2828	-5.96045
71	0.2	0.0853288	62.2901	-5.94338
72	0.2	0.105474	62.3012	-5.92229
73	0.2	0.123135	62.3164	-5.89766
74	0.2	0.143367	62.3369	-5.86899
75	0.2	0.161119	62.3629	-5.83676
76	0.2	0.181468	62.3958	-5.80047
77	0.2	0.199336	62.4355	-5.7606
78	0.2	0.219834	62.4839	-5.71664
79	0.2	0.237847	62.5404	-5.66907
80	0.2	0.258527	62.6073	-5.61736
81	0.2	0.279319	62.6853	-5.5615
82	0.2	0.297612	62.7739	-5.50197
83	0.2	0.318639	62.8754	-5.43825
84	0.2	0.337155	62.9891	-5.37082
85	0.2	0.358459	63.1176	-5.29912
86	0.2	0.377233	63.2599	-5.22368
87	0.2	0.398855	63.419	-5.14391
88	0.2	0.417928	63.5936	-5.06032
89	0.21	0.439913	63.7871	-4.96794
90	0.21	0.459327	63.9981	-4.87148
91	0.21	0.481728	64.2302	-4.77032
92	0.21	0.501527	64.4817	-4.665
93	0.22	0.524401	64.7567	-4.54963
94	0.223	0.544642	65.0533	-4.42817
95	0.23	0.568052	65.376	-4.29752
96	0.23	0.588793	65.7227	-4.1621
97	0.23	0.612813	66.0982	-4.02115
98	0.233	0.634124	66.5004	-3.8734
99	0.24	0.658838	66.9344	-3.71528
100	0.243	0.680797	67.3979	-3.54985
101	0.245	0.706302	67.8968	-3.3768
102	0.252	0.729003	68.4282	-3.19309
103	0.27	0.755415	68.9989	-2.98913
104	0.278	0.778966	69.6057	-2.77258

105	0.283	0.806422	70.256	-2.54436
106	0.287	0.830953	70.9465	-2.30588
107	0.313	0.859618	71.6854	-2.03682
108	0.329	0.889006	72.4757	-1.74433
109	0.35	0.915365	73.3136	-1.42396
110	0.367	0.946291	74.2091	-1.07667
111	0.375	0.974114	75.158	-0.711375
112	0.389	1.00687	76.1718	-0.319705
113	0.51	1.03643	77.246	0.208876
114	0.554	1.07138	78.3938	0.802419
115	0.68	1.10306	79.6106	1.5525
116	0.68	1.14069	80.9117	2.32817
117	0.685	1.17499	82.2923	3.13304
118	0.698	1.21596	83.7709	3.98178
119	0.7	1.25357	85.3423	4.85927
120	0.705	1.29884	87.0293	5.77495
121	0.79	1.34075	88.8269	6.83415
122	0.793	1.39175	90.7639	7.9378
123	0.81	1.43953	92.8361	9.10382
124	0.865	1.49852	95.0817	10.4
125	0.906	1.55477	97.499	11.8087
126	0.937	1.62576	100.142	13.332
127	0.991	1.6954	103.016	15.0121
128	1	1.78661	106.208	16.7988
129	1.02	1.88079	109.746	18.7172
130	1.06	2.01409	113.802	20.8521
131	3	2.17009	118.512	27.3624
132	3	2.45727	124.55	34.7342

Data Set Standard Deviation = 0.405582
 Numerator = 1206.46
 Denominator = 2683.94
 W Statistic = 0.449513 = 1206.46 / 2683.94

5% Critical value of 0.976 exceeds 0.449513
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.449513
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.11153

Overall Std Dev = 0.285804

Overall Total = 14.722

SS Groups = 2.75002

SS Total = 10.7006

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.75002	4	0.687506	10.9821
Error (within groups)	7.95054	127	0.0626027	
Totals	10.7006	131		

95% F-Statistic = 2.37

10.9821 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	10/11/2016	0.0730741
	12/20/2016	0.0269259
	2/16/2017	0.0130741
	3/8/2017	0.0169259
	5/9/2017	0.0430741
	6/6/2017	0.0330741
	8/22/2017	0.0730741
	9/22/2017	0.0630741
	11/7/2017	0.0530741
	2/27/2018	0.0130741
	5/24/2018	0.0269259
	6/19/2018	0.0269259
	7/19/2018	0.0269259
	8/22/2018	0.0269259
	9/19/2018	0.0699259
	9/27/2018	0.0730741
	10/18/2018	0.0269259
	11/20/2018	0.0269259
	12/20/2018	0.0269259
	5/7/2019	0.0269259
	11/21/2019	0.0269259
	6/25/2020	0.00507407
	11/17/2020	0.00992593
	5/26/2021	0.0719259
	11/17/2021	0.00507407
	4/8/2022	0.0209259
	10/4/2022	0.0110741

Group: MW#03-1	Date	Residual
	10/11/2016	0.0522154

12/20/2016	0.0277846
2/16/2017	0.0222154
3/8/2017	0.0377846
5/9/2017	0.0522154
6/6/2017	0.0522154
8/22/2017	0.0522154
9/22/2017	0.0522154
11/7/2017	0.0322154
2/27/2018	0.0522154
5/24/2018	0.0477846
6/19/2018	0.0477846
7/19/2018	0.0477846
8/22/2018	0.0522154
9/19/2018	0.0577846
10/18/2018	0.0477846
11/20/2018	0.0477846
12/20/2018	0.0477846
3/26/2019	0.0477846
5/7/2019	0.0477846
11/21/2019	0.0477846
6/25/2020	0.0676154
11/17/2020	0.0432154
5/26/2021	0.00221538
11/16/2021	0.0182154
4/8/2022	0.00221538

Group: MW#03-2

Date	Residual
10/11/2016	0.0460231
12/20/2016	0.00602308
2/16/2017	0.0260231
3/8/2017	0.00602308
5/9/2017	0.0460231
6/6/2017	0.0460231
8/22/2017	0.0460231
9/22/2017	0.0460231
11/7/2017	0.0460231
2/27/2018	0.0260231
5/24/2018	0.0539769
6/19/2018	0.0539769
7/19/2018	0.0539769
8/22/2018	0.0539769
9/19/2018	0.0639769
10/18/2018	0.0539769
11/20/2018	0.0539769
12/20/2018	0.0539769
5/7/2019	0.0539769
11/21/2019	0.0539769
6/25/2020	0.0270231
11/17/2020	0.0300231
5/26/2021	0.0560231
11/17/2021	0.0290231
4/8/2022	0.0714231
10/3/2022	0.00397692

Group: MW#93-2

Date	Residual
10/11/2016	0.0157778
12/20/2016	0.234222

2/16/2017	0.145778
3/8/2017	0.0357778
5/9/2017	0.125778
6/6/2017	0.145778
8/22/2017	0.475778
9/22/2017	0.315778
11/7/2017	0.705778
2/27/2018	0.725778
5/24/2018	0.111222
6/19/2018	0.165222
7/19/2018	0.0802222
8/22/2018	0.0392222
9/19/2018	0.174222
10/18/2018	0.127778
11/20/2018	0.194222
12/20/2018	0.140778
5/7/2019	0.458778
11/21/2019	0.271778
6/25/2020	0.512778
11/16/2020	0.120778
5/26/2021	0.538778
11/17/2021	0.0327778
4/8/2022	0.450778
10/4/2022	2.17422
10/4/2022	2.17422

Group: MW#93-3

Date	Residual
10/11/2016	0.0787308
12/20/2016	0.00126923
2/16/2017	0.0287308
3/8/2017	0.00873077
5/9/2017	0.0487308
6/6/2017	0.0112692
8/22/2017	0.00126923
9/22/2017	0.0287308
11/7/2017	0.0287308
2/27/2018	0.0187308
5/24/2018	0.00126923
6/19/2018	0.00573077
7/19/2018	0.0187308
8/22/2018	0.0287308
9/19/2018	0.160269
10/18/2018	0.0287308
11/20/2018	0.0542692
12/20/2018	0.0287308
5/7/2019	0.0287308
11/21/2019	0.0287308
6/25/2020	0.0232692
11/16/2020	0.0412692
5/26/2021	0.00426923
11/17/2021	0.100269
4/8/2022	0.0387308
10/4/2022	0.0492692

Concentrations (ppb)

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 74

Total Non-Detect: 71

Percent Non-Detects: 95.9459%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	11 (78.5714%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	0.124	0.124
			8/22/2018	0.143	0.143
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	0.00791	0.00791
			3/26/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/16/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#03-2	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002

			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW#93-2	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW#93-3	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.001	ND<0.001
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 44

Percent Non-Detects: 58.6667%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	14 (93.3333%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	ND<0.015	ND<0.015
			9/19/2018	ND<0.015	ND<0.015
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	ND<0.015	ND<0.015
			12/20/2018	ND<0.015	ND<0.015
			11/21/2019	ND<0.015	ND<0.015
			6/25/2020	ND<0.015	ND<0.015
			11/17/2020	ND<0.015	ND<0.015
			5/26/2021	ND<0.015	ND<0.015
			11/17/2021	ND<0.015	ND<0.015
			4/8/2022	0.0236	0.0236
			10/4/2022	ND<0.015	ND<0.015

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	13 (92.8571%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	0.0461	0.0461
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	ND<0.015	ND<0.015
			12/20/2018	ND<0.015	ND<0.015
			3/26/2019	ND<0.015	ND<0.015
			11/21/2019	ND<0.015	ND<0.015
			6/25/2020	ND<0.015	ND<0.015
			11/17/2020	ND<0.015	ND<0.015
			5/26/2021	ND<0.015	ND<0.015
			11/16/2021	ND<0.015	ND<0.015
			4/8/2022	ND<0.015	ND<0.015
MW#03-2	15	8 (53.3333%)	5/24/2018	0.0173	0.0173
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	ND<0.015	ND<0.015
			9/19/2018	ND<0.015	ND<0.015
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	ND<0.015	ND<0.015
			12/20/2018	ND<0.015	ND<0.015
			11/21/2019	0.0154	0.0154
			6/25/2020	0.00813	0.00813

			11/17/2020	ND<0.015	ND<0.015
			5/26/2021	0.0112	0.0112
			11/17/2021	0.0144	0.0144
			4/8/2022	0.0346	0.0346
			10/3/2022	0.00861	0.00861
MW#93-2	16	8 (50%)	5/24/2018	0.0302	0.0302
			6/19/2018	ND<0.015	ND<0.015
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	ND<0.015	ND<0.015
			9/19/2018	ND<0.015	ND<0.015
			10/18/2018	ND<0.015	ND<0.015
			11/20/2018	0.0185	0.0185
			12/20/2018	ND<0.015	ND<0.015
			11/21/2019	ND<0.015	ND<0.015
			6/25/2020	0.00976	0.00976
			11/16/2020	ND<0.015	ND<0.015
			5/26/2021	0.0136	0.0136
			11/17/2021	0.0115	0.0115
			4/8/2022	0.0304	0.0304
			10/4/2022	0.0146	0.0146
			10/4/2022	0.0151	0.0151
MW#93-3	15	1 (6.66667%)	5/24/2018	0.178	0.178
			6/19/2018	0.162	0.162
			7/19/2018	ND<0.015	ND<0.015
			8/22/2018	0.159	0.159
			9/19/2018	0.16	0.16
			10/18/2018	0.164	0.164
			11/20/2018	0.187	0.187
			12/20/2018	0.168	0.168
			11/21/2019	0.182	0.182
			6/25/2020	0.124	0.124
			11/16/2020	0.128	0.128
			5/26/2021	0.127	0.127
			11/17/2021	0.124	0.124
			4/8/2022	0.135	0.135
			10/4/2022	0.137	0.137

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 58.6667%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.0236

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.015	FALSE
MW#03-2	10/3/2022	1	0.00861	FALSE
MW#93-2	10/4/2022	2	0.01485	FALSE
MW#93-3	10/4/2022	1	0.137	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.14286%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 0.187

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	0.178
	6/19/2018	0.162
	7/19/2018	ND<0.015
	8/22/2018	0.159
	9/19/2018	0.16
	10/18/2018	0.164
	11/20/2018	0.187
	12/20/2018	0.168
	11/21/2019	0.182
	6/25/2020	0.124
	11/16/2020	0.128
	5/26/2021	0.127
	11/17/2021	0.124
	4/8/2022	0.135

Date	Count	Mean	Significant
10/4/2022	1	0.137	FALSE

Shapiro-Francia Test of Normality

Parameter: Lithium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 75

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.00813	-2.22621	4.956	-0.0180991
2	0.00861	-1.94314	8.73177	-0.0348295
3	0.00976	-1.76241	11.8379	-0.0520306
4	0.01	-1.62576	14.481	-0.0682882
5	0.01	-1.5141	16.7735	-0.0834292
6	0.0112	-1.41865	18.786	-0.0993182
7	0.0115	-1.32854	20.5511	-0.114596
8	0.0136	-1.25357	22.1225	-0.131645
9	0.0144	-1.18504	23.5268	-0.148709
10	0.0146	-1.12168	24.785	-0.165086
11	0.015	-1.06252	25.9139	-0.181024
12	0.015	-1.00687	26.9277	-0.196127
13	0.015	-0.950222	27.8306	-0.21038
14	0.015	-0.900227	28.641	-0.223883
15	0.015	-0.852385	29.3676	-0.236669
16	0.015	-0.806422	30.0179	-0.248766
17	0.015	-0.7621	30.5987	-0.260197
18	0.015	-0.719228	31.116	-0.270986
19	0.015	-0.67449	31.5709	-0.281103
20	0.015	-0.634124	31.9731	-0.290615
21	0.015	-0.594766	32.3268	-0.299536
22	0.015	-0.556308	32.6363	-0.307881
23	0.015	-0.518658	32.9053	-0.315661
24	0.015	-0.481728	33.1373	-0.322887
25	0.015	-0.445443	33.3358	-0.329568
26	0.015	-0.40701	33.5014	-0.335673
27	0.015	-0.371856	33.6397	-0.341251
28	0.015	-0.337155	33.7534	-0.346309
29	0.015	-0.302855	33.8451	-0.350851
30	0.015	-0.268908	33.9174	-0.354885
31	0.015	-0.235269	33.9728	-0.358414
32	0.015	-0.199336	34.0125	-0.361404
33	0.015	-0.166199	34.0401	-0.363897
34	0.015	-0.133244	34.0579	-0.365896
35	0.015	-0.100433	34.068	-0.367402
36	0.015	-0.0677301	34.0725	-0.368418
37	0.015	-0.0350997	34.0738	-0.368945
38	0.015	0	34.0738	-0.368945
39	0.015	0.0350997	34.075	-0.368418
40	0.015	0.0677301	34.0796	-0.367402
41	0.015	0.100433	34.0897	-0.365896
42	0.015	0.133244	34.1074	-0.363897
43	0.015	0.166199	34.1351	-0.361404
44	0.015	0.199336	34.1748	-0.358414
45	0.015	0.235269	34.2301	-0.354885
46	0.015	0.268908	34.3025	-0.350851
47	0.015	0.302855	34.3942	-0.346309

48	0.015	0.337155	34.5078	-0.341251
49	0.015	0.371856	34.6461	-0.335673
50	0.015	0.40701	34.8118	-0.329568
51	0.015	0.445443	35.0102	-0.322887
52	0.015	0.481728	35.2423	-0.315661
53	0.0151	0.518658	35.5113	-0.307829
54	0.0154	0.556308	35.8207	-0.299262
55	0.0173	0.594766	36.1745	-0.288972
56	0.0185	0.634124	36.5766	-0.277241
57	0.0236	0.67449	37.0315	-0.261323
58	0.0302	0.719228	37.5488	-0.239602
59	0.0304	0.7621	38.1296	-0.216435
60	0.0346	0.806422	38.7799	-0.188532
61	0.0461	0.852385	39.5065	-0.149237
62	0.124	0.900227	40.3169	-0.0376093
63	0.124	0.950222	41.2198	0.0802182
64	0.127	1.00687	42.2336	0.20809
65	0.128	1.06252	43.3626	0.344093
66	0.135	1.12168	44.6207	0.495519
67	0.137	1.18504	46.0251	0.65787
68	0.159	1.25357	47.5965	0.857187
69	0.16	1.32854	49.3615	1.06975
70	0.162	1.41865	51.3741	1.29958
71	0.164	1.5141	53.6666	1.54789
72	0.168	1.62576	56.3097	1.82102
73	0.178	1.76241	59.4158	2.13473
74	0.182	1.94314	63.1916	2.48838
75	0.187	2.22621	68.1475	2.90468

Data Set Standard Deviation = 0.0546557
 Numerator = 8.43715
 Denominator = 15.0645
 W Statistic = 0.56007 = 8.43715 / 15.0645

5% Critical value of 0.969 exceeds 0.56007
Evidence of non-normality at 95% level of significance

1% Critical value of 0.956 exceeds 0.56007
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00805239

Overall Std Dev = 0.0170437

Overall Total = 0.60393

SS Groups = 0.00787785

SS Total = 0.0214962

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	0.00787785	4	0.00196946	10.1233
Error (within groups)	0.0136184	70	0.000194548	
Totals	0.0214962	74		

95% F-Statistic = 2.44724

10.1233 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.00524
6/19/2018	0.00024
7/19/2018	0.00024
8/22/2018	0.00024
9/19/2018	0.00024
10/18/2018	0.00024
11/20/2018	0.00024
12/20/2018	0.00024
11/21/2019	0.00024
6/25/2020	0.00024
11/17/2020	0.00024
5/26/2021	0.00024
11/17/2021	0.00024
4/8/2022	0.00836
10/4/2022	0.00024

Group: MW#03-1

Date	Residual
5/24/2018	0.00686429
6/19/2018	0.00186429
7/19/2018	0.00186429
8/22/2018	0.0292357
10/18/2018	0.00186429
11/20/2018	0.00186429
12/20/2018	0.00186429
3/26/2019	0.00186429
11/21/2019	0.00186429
6/25/2020	0.00186429
11/17/2020	0.00186429
5/26/2021	0.00186429
11/16/2021	0.00186429

4/8/2022 0.00186429

Group: MW#03-2

Date	Residual
5/24/2018	0.00199067
6/19/2018	0.000309333
7/19/2018	0.000309333
8/22/2018	0.000309333
9/19/2018	0.000309333
10/18/2018	0.000309333
11/20/2018	0.000309333
12/20/2018	0.000309333
11/21/2019	9.06667e-005
6/25/2020	0.00717933
11/17/2020	0.000309333
5/26/2021	0.00410933
11/17/2021	0.000909333
4/8/2022	0.0192907
10/3/2022	0.00669933

Group: MW#93-2

Date	Residual
5/24/2018	0.0137213
6/19/2018	0.00147875
7/19/2018	0.00147875
8/22/2018	0.00147875
9/19/2018	0.00147875
10/18/2018	0.00147875
11/20/2018	0.00202125
12/20/2018	0.00147875
11/21/2019	0.00147875
6/25/2020	0.00671875
11/16/2020	0.00147875
5/26/2021	0.00287875
11/17/2021	0.00497875
4/8/2022	0.0139213
10/4/2022	0.00187875
10/4/2022	0.00137875

Group: MW#93-3

Date	Residual
5/24/2018	0.0346667
6/19/2018	0.0186667
7/19/2018	0.128333
8/22/2018	0.0156667
9/19/2018	0.0166667
10/18/2018	0.0206667
11/20/2018	0.0436667
12/20/2018	0.0246667
11/21/2019	0.0386667
6/25/2020	0.0193333
11/16/2020	0.0153333
5/26/2021	0.0163333
11/17/2021	0.0193333
4/8/2022	0.00833333
10/4/2022	0.00633333

Concentrations (ppb)

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 76

Total Non-Detect: 45

Percent Non-Detects: 59.2105%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	15 (100%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	ND<5e-005	ND<5e-005
			7/19/2018	ND<5e-005	ND<5e-005
			8/22/2018	ND<5e-005	ND<5e-005
			9/19/2018	ND<5e-005	ND<5e-005
			10/18/2018	ND<5e-005	ND<5e-005
			11/20/2018	ND<5e-005	ND<5e-005
			12/20/2018	ND<5e-005	ND<5e-005
			11/21/2019	ND<5e-005	ND<5e-005
			6/25/2020	ND<0.0002	ND<0.0002
			11/17/2020	ND<0.0002	ND<0.0002
			5/26/2021	ND<0.0002	ND<0.0002
			11/17/2021	ND<0.0002	ND<0.0002
			4/8/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	13 (92.8571%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	ND<5e-005	ND<5e-005
			7/19/2018	ND<5e-005	ND<5e-005
			8/22/2018	0.000184	0.000184
			10/18/2018	ND<5e-005	ND<5e-005
			11/20/2018	ND<5e-005	ND<5e-005
			12/20/2018	ND<5e-005	ND<5e-005
			3/26/2019	ND<5e-005	ND<5e-005
			11/21/2019	ND<5e-005	ND<5e-005
			6/25/2020	ND<0.0002	ND<0.0002
			11/17/2020	ND<0.0002	ND<0.0002
			5/26/2021	ND<0.0002	ND<0.0002
			11/16/2021	ND<0.0002	ND<0.0002
			4/8/2022	ND<0.0002	ND<0.0002
MW#03-2	16	1 (6.25%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	0.000224	0.000224
			7/19/2018	0.000239	0.000239
			8/22/2018	0.000255	0.000255
			9/19/2018	0.000636	0.000636
			10/18/2018	0.00101	0.00101
			11/20/2018	0.000803	0.000803
			12/20/2018	0.00107	0.00107
			11/21/2019	0.00694	0.00694
			2/14/2020	0.00171	0.00171

			6/25/2020	0.000234	0.000234
			11/17/2020	0.00086	0.00086
			5/26/2021	0.00239	0.00239
			11/17/2021	0.00215	0.00215
			4/8/2022	0.00285	0.00285
			10/3/2022	0.0014	0.0014
MW#93-2	16	15 (93.75%)	5/24/2018	ND<5e-005	ND<5e-005
			6/19/2018	ND<5e-005	ND<5e-005
			7/19/2018	ND<5e-005	ND<5e-005
			8/22/2018	ND<5e-005	ND<5e-005
			9/19/2018	ND<5e-005	ND<5e-005
			10/18/2018	0.000572	0.000572
			11/20/2018	ND<5e-005	ND<5e-005
			12/20/2018	ND<5e-005	ND<5e-005
			11/21/2019	ND<5e-005	ND<5e-005
			6/25/2020	ND<0.0002	ND<0.0002
			11/16/2020	ND<0.0002	ND<0.0002
			5/26/2021	ND<0.0002	ND<0.0002
			11/17/2021	ND<0.0002	ND<0.0002
			4/8/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002
MW#93-3	15	1 (6.66667%)	5/24/2018	0.000787	0.000787
			6/19/2018	0.000367	0.000367
			7/19/2018	0.00033	0.00033
			8/22/2018	0.000514	0.000514
			9/19/2018	0.000428	0.000428
			10/18/2018	0.000579	0.000579
			11/20/2018	0.000577	0.000577
			12/20/2018	0.000245	0.000245
			11/21/2019	0.000861	0.000861
			6/25/2020	ND<0.0002	ND<0.0002
			11/16/2020	0.00031	0.00031
			5/26/2021	0.000348	0.000348
			11/17/2021	0.000572	0.000572
			4/8/2022	0.000945	0.000945
			10/4/2022	0.00103	0.00103

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 59.2105%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.0002

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.0002	FALSE
MW#03-2	10/3/2022	1	0.0014	TRUE
MW#93-2	10/4/2022	2	0.0002	FALSE
MW#93-3	10/4/2022	1	0.00103	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.14286%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 0.00694

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	ND<5e-005
	6/19/2018	0.000224
	7/19/2018	0.000239
	8/22/2018	0.000255
	9/19/2018	0.000636
	10/18/2018	0.00101
	11/20/2018	0.000803
	12/20/2018	0.00107
	11/21/2019	0.00694
	2/14/2020	0.00171
	6/25/2020	0.000234
	11/17/2020	0.00086
	5/26/2021	0.00239
	11/17/2021	0.00215

Date	Count	Mean	Significant
10/3/2022	1	0.0014	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.14286%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 0.000945

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	0.000787
	6/19/2018	0.000367
	7/19/2018	0.00033
	8/22/2018	0.000514
	9/19/2018	0.000428
	10/18/2018	0.000579
	11/20/2018	0.000577
	12/20/2018	0.000245
	11/21/2019	0.000861
	6/25/2020	ND<0.0002
	11/16/2020	0.00031
	5/26/2021	0.000348
	11/17/2021	0.000572
	4/8/2022	0.000945

Date	Count	Mean	Significant
10/4/2022	1	0.00103	TRUE

Shapiro-Francia Test of Normality

Parameter: Mercury

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 76

i	x(i)	m(i)	sum(m²)	sum(mx)
1	5e-005	-2.25713	5.09463	-0.000112856
2	5e-005	-1.95996	8.93608	-0.000210855
3	5e-005	-1.77438	12.0845	-0.000299573
4	5e-005	-1.63524	14.7585	-0.000381335
5	5e-005	-1.52203	17.0751	-0.000457437
6	5e-005	-1.42554	19.1073	-0.000528714
7	5e-005	-1.34075	20.9049	-0.000595752
8	5e-005	-1.26464	22.5042	-0.000658984
9	5e-005	-1.19522	23.9328	-0.000718745
10	5e-005	-1.13113	25.2122	-0.000775302
11	5e-005	-1.07138	26.3601	-0.00082887
12	5e-005	-1.01522	27.3907	-0.000879632
13	5e-005	-0.9621	28.3164	-0.000927737
14	5e-005	-0.911562	29.1473	-0.000973315
15	5e-005	-0.863249	29.8925	-0.00101648
16	5e-005	-0.816874	30.5598	-0.00105732
17	5e-005	-0.772193	31.1561	-0.00109593
18	5e-005	-0.729003	31.6875	-0.00113238
19	5e-005	-0.687131	32.1597	-0.00116674
20	5e-005	-0.646431	32.5776	-0.00119906
21	5e-005	-0.606775	32.9457	-0.0012294
22	5e-005	-0.568052	33.2684	-0.0012578
23	5e-005	-0.530162	33.5495	-0.00128431
24	5e-005	-0.493018	33.7925	-0.00130896
25	5e-005	-0.456542	34.001	-0.00133179
26	5e-005	-0.420664	34.1779	-0.00135282
27	0.000184	-0.385321	34.3264	-0.00142372
28	0.0002	-0.350451	34.4492	-0.00149381
29	0.0002	-0.316004	34.5491	-0.00155701
30	0.0002	-0.281926	34.6286	-0.00161339
31	0.0002	-0.248174	34.6902	-0.00166303
32	0.0002	-0.214702	34.7363	-0.00170597
33	0.0002	-0.181468	34.7692	-0.00174226
34	0.0002	-0.148434	34.7912	-0.00177195
35	0.0002	-0.115562	34.8046	-0.00179506
36	0.0002	-0.0828129	34.8114	-0.00181163
37	0.0002	-0.0501541	34.8139	-0.00182166
38	0.0002	-0.0175476	34.8143	-0.00182517
39	0.0002	0.0175476	34.8146	-0.00182166
40	0.0002	0.0501541	34.8171	-0.00181163
41	0.0002	0.0828129	34.8239	-0.00179506
42	0.0002	0.115562	34.8373	-0.00177195
43	0.0002	0.148434	34.8593	-0.00174226
44	0.0002	0.181468	34.8923	-0.00170597
45	0.0002	0.214702	34.9383	-0.00166303
46	0.0002	0.248174	34.9999	-0.00161339
47	0.000224	0.281926	35.0794	-0.00155024

48	0.000234	0.316004	35.1793	-0.0014763
49	0.000239	0.350451	35.3021	-0.00139254
50	0.000245	0.385321	35.4506	-0.00129814
51	0.000255	0.420664	35.6275	-0.00119087
52	0.00031	0.456542	35.836	-0.00104934
53	0.00033	0.493018	36.079	-0.000886643
54	0.000348	0.530162	36.3601	-0.000702147
55	0.000367	0.568052	36.6828	-0.000493672
56	0.000428	0.606775	37.051	-0.000233972
57	0.000514	0.646431	37.4688	9.82933e-005
58	0.000572	0.687131	37.941	0.000491332
59	0.000572	0.729003	38.4724	0.000908322
60	0.000577	0.772193	39.0687	0.00135388
61	0.000579	0.816874	39.736	0.00182685
62	0.000636	0.863249	40.4812	0.00237587
63	0.000787	0.911562	41.3121	0.00309327
64	0.000803	0.9621	42.2378	0.00386584
65	0.00086	1.01522	43.2684	0.00473893
66	0.000861	1.07138	44.4163	0.00566139
67	0.000945	1.13113	45.6958	0.00673031
68	0.00101	1.19522	47.1243	0.00793748
69	0.00103	1.26464	48.7236	0.00924006
70	0.00107	1.34075	50.5212	0.0106747
71	0.0014	1.42554	52.5534	0.0126704
72	0.00171	1.52203	54.87	0.0152731
73	0.00215	1.63524	57.544	0.0187889
74	0.00239	1.77438	60.6924	0.0230296
75	0.00285	1.95996	64.5339	0.0286155
76	0.00694	2.25713	69.6285	0.04428

Data Set Standard Deviation = 0.000928089
 Numerator = 0.00196072
 Denominator = 0.00449808
 W Statistic = 0.435901 = 0.00196072 / 0.00449808

5% Critical value of 0.969 exceeds 0.435901
Evidence of non-normality at 95% level of significance

1% Critical value of 0.957 exceeds 0.435901
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.000324049

Overall Std Dev = 0.000698004

Overall Total = 0.0246277

SS Groups = 1.28255e-005

SS Total = 3.65407e-005

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.28255e-005	4	3.20637e-006	9.59942
Error (within groups)	2.37152e-005	71	3.34017e-007	
Totals	3.65407e-005	75		

95% F-Statistic = 2.44724

9.59942 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	6e-005
6/19/2018	6e-005
7/19/2018	6e-005
8/22/2018	6e-005
9/19/2018	6e-005
10/18/2018	6e-005
11/20/2018	6e-005
12/20/2018	6e-005
11/21/2019	6e-005
6/25/2020	9e-005
11/17/2020	9e-005
5/26/2021	9e-005
11/17/2021	9e-005
4/8/2022	9e-005
10/4/2022	9e-005

Group: MW#03-1

Date	Residual
5/24/2018	6.31429e-005
6/19/2018	6.31429e-005
7/19/2018	6.31429e-005
8/22/2018	7.08571e-005
10/18/2018	6.31429e-005
11/20/2018	6.31429e-005
12/20/2018	6.31429e-005
3/26/2019	6.31429e-005
11/21/2019	6.31429e-005
6/25/2020	8.68571e-005
11/17/2020	8.68571e-005
5/26/2021	8.68571e-005
11/16/2021	8.68571e-005

4/8/2022 8.68571e-005

Group: MW#03-2

Date	Residual
5/24/2018	0.00137631
6/19/2018	0.00120231
7/19/2018	0.00118731
8/22/2018	0.00117131
9/19/2018	0.000790313
10/18/2018	0.000416313
11/20/2018	0.000623313
12/20/2018	0.000356313
11/21/2019	0.00551369
2/14/2020	0.000283687
6/25/2020	0.00119231
11/17/2020	0.000566313
5/26/2021	0.000963688
11/17/2021	0.000723687
4/8/2022	0.00142369
10/3/2022	2.63125e-005

Group: MW#93-2

Date	Residual
5/24/2018	9.825e-005
6/19/2018	9.825e-005
7/19/2018	9.825e-005
8/22/2018	9.825e-005
9/19/2018	9.825e-005
10/18/2018	0.00042375
11/20/2018	9.825e-005
12/20/2018	9.825e-005
11/21/2019	9.825e-005
6/25/2020	5.175e-005
11/16/2020	5.175e-005
5/26/2021	5.175e-005
11/17/2021	5.175e-005
4/8/2022	5.175e-005
10/4/2022	5.175e-005
10/4/2022	5.175e-005

Group: MW#93-3

Date	Residual
5/24/2018	0.000247467
6/19/2018	0.000172533
7/19/2018	0.000209533
8/22/2018	2.55333e-005
9/19/2018	0.000111533
10/18/2018	3.94667e-005
11/20/2018	3.74667e-005
12/20/2018	0.000294533
11/21/2019	0.000321467
6/25/2020	0.000339533
11/16/2020	0.000229533
5/26/2021	0.000191533
11/17/2021	3.24667e-005
4/8/2022	0.000405467
10/4/2022	0.000490467

Concentrations (ppb)

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 52

Percent Non-Detects: 69.3333%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	12 (80%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	0.00105	0.00105
			11/17/2020	0.00113	0.00113
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
			10/4/2022	0.00108	0.00108

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	10 (71.4286%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	0.0167	0.0167
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			3/26/2019	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	0.000992	0.000992
			11/17/2020	0.00274	0.00274
			5/26/2021	ND<0.005	ND<0.005
			11/16/2021	0.00111	0.00111
			4/8/2022	ND<0.005	ND<0.005
MW#03-2	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.005	ND<0.005

			11/17/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW#93-2	16	1 (6.25%)	5/24/2018	1.4	1.4
			6/19/2018	1.18	1.18
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	0.949	0.949
			9/19/2018	1.34	1.34
			10/18/2018	1.08	1.08
			11/20/2018	1.29	1.29
			12/20/2018	1.34	1.34
			11/21/2019	0.252	0.252
			6/25/2020	0.213	0.213
			11/16/2020	0.32	0.32
			5/26/2021	0.906	0.906
			11/17/2021	1.66	1.66
			4/8/2022	1.48	1.48
			10/4/2022	1.87	1.87
			10/4/2022	1.97	1.97
MW#93-3	15	14 (93.3333%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.01	ND<0.01
			6/25/2020	ND<0.005	ND<0.005
			11/16/2020	ND<0.005	ND<0.005
			5/26/2021	ND<0.005	ND<0.005
			11/17/2021	ND<0.005	ND<0.005
			4/8/2022	0.000858	0.000858
			10/4/2022	ND<0.005	ND<0.005

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 69.3333%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.01

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.005	FALSE
MW#03-2	10/3/2022	1	0.005	FALSE
MW#93-2	10/4/2022	2	1.92	TRUE
MW#93-3	10/4/2022	1	0.005	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 7.14286%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 1.66

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	1.4
	6/19/2018	1.18
	7/19/2018	ND<0.01
	8/22/2018	0.949
	9/19/2018	1.34
	10/18/2018	1.08
	11/20/2018	1.29
	12/20/2018	1.34
	11/21/2019	0.252
	6/25/2020	0.213
	11/16/2020	0.32
	5/26/2021	0.906
	11/17/2021	1.66
	4/8/2022	1.48

Date	Count	Mean	Significant
10/4/2022	2	1.92	TRUE

Shapiro-Francia Test of Normality

Parameter: Molybdenum

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 75

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.000858	-2.22621	4.956	-0.00191009
2	0.000992	-1.94314	8.73177	-0.00383768
3	0.00105	-1.76241	11.8379	-0.00568821
4	0.00108	-1.62576	14.481	-0.00744403
5	0.00111	-1.5141	16.7735	-0.00912469
6	0.00113	-1.41865	18.786	-0.0107278
7	0.00274	-1.32854	20.5511	-0.014368
8	0.005	-1.25357	22.1225	-0.0206358
9	0.005	-1.18504	23.5268	-0.026561
10	0.005	-1.12168	24.785	-0.0321694
11	0.005	-1.06252	25.9139	-0.037482
12	0.005	-1.00687	26.9277	-0.0425163
13	0.005	-0.950222	27.8306	-0.0472674
14	0.005	-0.900227	28.641	-0.0517686
15	0.005	-0.852385	29.3676	-0.0560305
16	0.005	-0.806422	30.0179	-0.0600626
17	0.005	-0.7621	30.5987	-0.0638731
18	0.005	-0.719228	31.116	-0.0674692
19	0.005	-0.67449	31.5709	-0.0708417
20	0.005	-0.634124	31.9731	-0.0740123
21	0.005	-0.594766	32.3268	-0.0769861
22	0.005	-0.556308	32.6363	-0.0797677
23	0.005	-0.518658	32.9053	-0.082361
24	0.01	-0.481728	33.1373	-0.0871782
25	0.01	-0.445443	33.3358	-0.0916327
26	0.01	-0.40701	33.5014	-0.0957028
27	0.01	-0.371856	33.6397	-0.0994213
28	0.01	-0.337155	33.7534	-0.102793
29	0.01	-0.302855	33.8451	-0.105821
30	0.01	-0.268908	33.9174	-0.108511
31	0.01	-0.235269	33.9728	-0.110863
32	0.01	-0.199336	34.0125	-0.112857
33	0.01	-0.166199	34.0401	-0.114519
34	0.01	-0.133244	34.0579	-0.115851
35	0.01	-0.100433	34.068	-0.116855
36	0.01	-0.0677301	34.0725	-0.117533
37	0.01	-0.0350997	34.0738	-0.117884
38	0.01	0	34.0738	-0.117884
39	0.01	0.0350997	34.075	-0.117533
40	0.01	0.0677301	34.0796	-0.116855
41	0.01	0.100433	34.0897	-0.115851
42	0.01	0.133244	34.1074	-0.114519
43	0.01	0.166199	34.1351	-0.112857
44	0.01	0.199336	34.1748	-0.110863
45	0.01	0.235269	34.2301	-0.108511
46	0.01	0.268908	34.3025	-0.105821
47	0.01	0.302855	34.3942	-0.102793

48	0.01	0.337155	34.5078	-0.0994213
49	0.01	0.371856	34.6461	-0.0957028
50	0.01	0.40701	34.8118	-0.0916327
51	0.01	0.445443	35.0102	-0.0871782
52	0.01	0.481728	35.2423	-0.082361
53	0.01	0.518658	35.5113	-0.0771744
54	0.01	0.556308	35.8207	-0.0716113
55	0.01	0.594766	36.1745	-0.0656637
56	0.01	0.634124	36.5766	-0.0593224
57	0.01	0.67449	37.0315	-0.0525775
58	0.01	0.719228	37.5488	-0.0453852
59	0.01	0.7621	38.1296	-0.0377642
60	0.0167	0.806422	38.7799	-0.024297
61	0.213	0.852385	39.5065	0.157261
62	0.252	0.900227	40.3169	0.384118
63	0.32	0.950222	41.2198	0.688189
64	0.906	1.00687	42.2336	1.60041
65	0.949	1.06252	43.3626	2.60874
66	1.08	1.12168	44.6207	3.82015
67	1.18	1.18504	46.0251	5.2185
68	1.29	1.25357	47.5965	6.8356
69	1.34	1.32854	49.3615	8.61585
70	1.34	1.41865	51.3741	10.5168
71	1.4	1.5141	53.6666	12.6366
72	1.48	1.62576	56.3097	15.0427
73	1.66	1.76241	59.4158	17.9683
74	1.87	1.94314	63.1916	21.602
75	1.97	2.22621	68.1475	25.9876

Data Set Standard Deviation = 0.517926
 Numerator = 675.356
 Denominator = 1352.75
 W Statistic = 0.499247 = 675.356 / 1352.75

5% Critical value of 0.969 exceeds 0.499247
Evidence of non-normality at 95% level of significance

1% Critical value of 0.956 exceeds 0.499247
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.104294

Overall Std Dev = 0.249225

Overall Total = 7.82205

SS Groups = 2.83763

SS Total = 4.59636

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.83763	4	0.709407	28.2354
Error (within groups)	1.75873	70	0.0251247	
Totals	4.59636	74		

95% F-Statistic = 2.44724

28.2354 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.00278267
6/19/2018	0.00278267
7/19/2018	0.00278267
8/22/2018	0.00278267
9/19/2018	0.00278267
10/18/2018	0.00278267
11/20/2018	0.00278267
12/20/2018	0.00278267
11/21/2019	0.00278267
6/25/2020	0.00616733
11/17/2020	0.00608733
5/26/2021	0.00221733
11/17/2021	0.00221733
4/8/2022	0.00221733
10/4/2022	0.00613733

Group: MW#03-1

Date	Residual
5/24/2018	0.00203271
6/19/2018	0.00203271
7/19/2018	0.00203271
8/22/2018	0.00873271
10/18/2018	0.00203271
11/20/2018	0.00203271
12/20/2018	0.00203271
3/26/2019	0.00203271
11/21/2019	0.00203271
6/25/2020	0.00697529
11/17/2020	0.00522729
5/26/2021	0.00296729
11/16/2021	0.00685729

4/8/2022 0.00296729

Group: MW#03-2

Date	Residual
5/24/2018	0.002
6/19/2018	0.002
7/19/2018	0.002
8/22/2018	0.002
9/19/2018	0.002
10/18/2018	0.002
11/20/2018	0.002
12/20/2018	0.002
11/21/2019	0.002
6/25/2020	0.003
11/17/2020	0.003
5/26/2021	0.003
11/17/2021	0.003
4/8/2022	0.003
10/3/2022	0.003

Group: MW#93-2

Date	Residual
5/24/2018	0.32125
6/19/2018	0.10125
7/19/2018	1.06875
8/22/2018	0.12975
9/19/2018	0.26125
10/18/2018	0.00125
11/20/2018	0.21125
12/20/2018	0.26125
11/21/2019	0.82675
6/25/2020	0.86575
11/16/2020	0.75875
5/26/2021	0.17275
11/17/2021	0.58125
4/8/2022	0.40125
10/4/2022	0.79125
10/4/2022	0.89125

Group: MW#93-3

Date	Residual
5/24/2018	0.00227613
6/19/2018	0.00227613
7/19/2018	0.00227613
8/22/2018	0.00227613
9/19/2018	0.00227613
10/18/2018	0.00227613
11/20/2018	0.00227613
12/20/2018	0.00227613
11/21/2019	0.00227613
6/25/2020	0.00272387
11/16/2020	0.00272387
5/26/2021	0.00272387
11/17/2021	0.00272387
4/8/2022	0.00686587
10/4/2022	0.00272387

Sample Date	Location	Parameter Name	Concentration	Detection Limit	Units	Non Detect
4/8/2022	MW#93-1	RADIUM COMBINED	0	0	pCi/L	FALSE
4/8/2022	MW#93-2	RADIUM COMBINED	4.77	0	pCi/L	FALSE
4/8/2022	MW#93-3	RADIUM COMBINED	0.555	0	pCi/L	FALSE
4/8/2022	MW#03-1	RADIUM COMBINED	1.033	0	pCi/L	FALSE
4/8/2022	MW#03-2	RADIUM COMBINED	2.337	0	pCi/L	FALSE

Sample Date	Location I D	Parameter Name	Concentration	Detection Limit	Units	Non Detect
6/24/2004	MW#03-1	Alkalinity	209	0	mg/l	FALSE
9/15/2004	MW#03-1	Alkalinity	220	0	mg/l	FALSE
12/15/2004	MW#03-1	Alkalinity	184	0	mg/l	FALSE
3/16/2005	MW#03-1	Alkalinity	160	0	mg/l	FALSE
6/15/2005	MW#03-1	Alkalinity	252	0	mg/l	FALSE
9/21/2005	MW#03-1	Alkalinity	180	0	mg/l	FALSE
12/20/2006	MW#03-1	Alkalinity	204	0	mg/l	FALSE
6/12/2007	MW#03-1	Alkalinity	200	0	mg/l	FALSE
12/17/2007	MW#03-1	Alkalinity	190	0	mg/l	FALSE
6/11/2008	MW#03-1	Alkalinity	200	0	mg/l	FALSE
12/3/2008	MW#03-1	Alkalinity	206	0	mg/l	FALSE
6/17/2009	MW#03-1	Alkalinity	204	0	mg/l	FALSE
12/9/2009	MW#03-1	Alkalinity	216	0	mg/l	FALSE
6/17/2010	MW#03-1	Alkalinity	232	0	mg/l	FALSE
12/22/2010	MW#03-1	Alkalinity	216	0	mg/l	FALSE
6/29/2011	MW#03-1	Alkalinity	210	0	mg/l	FALSE
12/7/2011	MW#03-1	Alkalinity	222	0	mg/l	FALSE
6/6/2012	MW#03-1	Alkalinity	216	0	mg/l	FALSE
6/19/2013	MW#03-1	Alkalinity	144	0	mg/l	FALSE
12/11/2013	MW#03-1	Alkalinity	212	0	mg/l	FALSE
6/11/2014	MW#03-1	Alkalinity	222	0	mg/l	FALSE
12/3/2014	MW#03-1	Alkalinity	194	2	mg/l	FALSE
6/17/2015	MW#03-1	Alkalinity	134	2	mg/l	FALSE
12/1/2015	MW#03-1	Alkalinity	150	10	mg/l	FALSE
6/22/2016	MW#03-1	Alkalinity	130	10	mg/l	FALSE
12/20/2016	MW#03-1	Alkalinity	211.6	10	mg/l	FALSE
6/6/2017	MW#03-1	Alkalinity	56	10	mg/l	FALSE
11/7/2017	MW#03-1	Alkalinity	217	5	mg/l	FALSE
2/27/2018	MW#03-1	Alkalinity	72	2	mg/l	FALSE
5/7/2019	MW#03-1	Alkalinity	55	12	mg/l	FALSE
11/21/2019	MW#03-1	Alkalinity	55	12	mg/l	FALSE
6/25/2020	MW#03-1	ALKALINITY	126	0	mg/l	FALSE
11/17/2020	MW#03-1	ALKALINITY	234	0	mg/l	FALSE
5/26/2021	MW#03-1	ALKALINITY	30.2	0	mg/l	FALSE
11/16/2021	MW#03-1	ALKALINITY	103	0	mg/l	FALSE
4/8/2022	MW#03-1	ALKALINITY	40.8	20	mg/l	FALSE
11/21/2019	MW#03-1	Antimony	0	0.002	mg/L	TRUE
3/26/2019	MW#03-1	Antimony	0	0.01	mg/L	TRUE
12/20/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
11/20/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
10/18/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
8/22/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
7/19/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
6/19/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
5/24/2018	MW#03-1	Antimony	0	0.01	mg/L	TRUE
6/25/2020	MW#03-1	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2020	MW#03-1	ANTIMONY	0	0.005	mg/l	TRUE
5/26/2021	MW#03-1	ANTIMONY	0	0.005	mg/l	TRUE
11/16/2021	MW#03-1	ANTIMONY	0	0.005	mg/l	TRUE
4/8/2022	MW#03-1	ANTIMONY	0	0.005	mg/L	TRUE
6/12/2007	MW#03-1	Arsenic 0	0.005		mg/L	TRUE
12/17/2007	MW#03-1	Arsenic 0	0.005		mg/L	TRUE

6/11/2008	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/3/2008	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/17/2009	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/9/2009	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/17/2010	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/22/2010	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/29/2011	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/7/2011	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/6/2012	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/19/2013	MW#03-1 Arsenic	0.008	0	mg/L	FALSE
12/11/2013	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/11/2014	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/3/2014	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/17/2015	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/1/2015	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/22/2016	MW#03-1 Arsenic	0	0	mg/L	FALSE
12/20/2016	MW#03-1 Arsenic	0	0.0005	mg/L	TRUE
6/6/2017	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
11/7/2017	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
2/27/2018	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
5/24/2018	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
6/19/2018	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
7/19/2018	MW#03-1 Arsenic	0.0445	0	mg/L	FALSE
8/22/2018	MW#03-1 Arsenic	0.123	0	mg/L	FALSE
10/18/2018	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
11/20/2018	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
12/20/2018	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
3/26/2019	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
5/7/2019	MW#03-1 Arsenic	0	0.005	mg/L	TRUE
11/21/2019	MW#03-1 Arsenic	0	0.001	mg/L	TRUE
6/25/2020	MW#03-1 Arsenic	0.000538	0	mg/l	FALSE
11/17/2020	MW#03-1 Arsenic	0.000677	0	mg/l	FALSE
5/26/2021	MW#03-1 Arsenic	0.000249	0	mg/l	FALSE
11/16/2021	MW#03-1 Arsenic	0.00062	0.001	mg/l	FALSE
4/8/2022	MW#03-1 ARSENIC	0.000455	0.001	mg/l	FALSE
5/24/2018	MW#03-1 Barium	0.0519	0	mg/L	FALSE
6/19/2018	MW#03-1 Barium	0.0752	0	mg/L	FALSE
7/19/2018	MW#03-1 Barium	0.671	0	mg/L	FALSE
8/22/2018	MW#03-1 Barium	2	0	mg/L	FALSE
10/18/2018	MW#03-1 Barium	0.184	0	mg/L	FALSE
11/20/2018	MW#03-1 Barium	0.0663	0	mg/L	FALSE
12/20/2018	MW#03-1 Barium	0.0375	0	mg/L	FALSE
3/26/2019	MW#03-1 Barium	0.0384	0	mg/L	FALSE
11/21/2019	MW#03-1 Barium	0.0449	0	mg/L	FALSE
6/25/2020	MW#03-1 BARIUM	0.0776	0	mg/l	FALSE
11/17/2020	MW#03-1 BARIUM	0.19	0	mg/l	FALSE
5/26/2021	MW#03-1 BARIUM	0.0293	0	mg/l	FALSE
11/16/2021	MW#03-1 BARIUM	0.064	0	mg/l	FALSE
4/8/2022	MW#03-1 BARIUM	0.0301	0.005	mg/l	FALSE
5/24/2018	MW#03-1 Beryllium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-1 Beryllium	0	0.01	mg/L	TRUE
7/19/2018	MW#03-1 Beryllium	0.0201	0	mg/L	FALSE
8/22/2018	MW#03-1 Beryllium	0.0108	0	mg/L	FALSE
10/18/2018	MW#03-1 Beryllium	0	0.01	mg/L	TRUE

11/20/2018	MW#03-1 Beryllium	0	0.01	mg/L	TRUE
12/20/2018	MW#03-1 Beryllium	0	0.01	mg/L	TRUE
3/26/2019	MW#03-1 Beryllium	0	0.01	mg/L	TRUE
11/21/2019	MW#03-1 Beryllium	0	0.001	mg/L	TRUE
6/25/2020	MW#03-1 BERYLLIUM	0	0.001	mg/L	TRUE
11/17/2020	MW#03-1 BERYLLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#03-1 BERYLLIUM	0	0.001	mg/l	TRUE
11/16/2021	MW#03-1 BERYLLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#03-1 BERYLLIUM	0	0.001	mg/L	TRUE
10/11/2016	MW#03-1 Boron	0	0.025	mg/L	TRUE
12/20/2016	MW#03-1 Boron	0	0.025	mg/L	TRUE
2/16/2017	MW#03-1 Boron	0	0.025	mg/L	TRUE
3/8/2017	MW#03-1 Boron	0	0.025	mg/L	TRUE
5/9/2017	MW#03-1 Boron	0.041	0	mg/L	FALSE
6/6/2017	MW#03-1 Boron	0	0.025	mg/L	TRUE
8/22/2017	MW#03-1 Boron	0	0.025	mg/L	TRUE
9/22/2017	MW#03-1 Boron	0.025	0	mg/L	FALSE
11/7/2017	MW#03-1 Boron	0	0.1	mg/L	TRUE
2/27/2018	MW#03-1 Boron	0.05	0	mg/L	FALSE
5/7/2019	MW#03-1 Boron	0	0.1	mg/L	TRUE
11/21/2019	MW#03-1 Boron	0	0.2	mg/L	TRUE
6/25/2020	MW#03-1 BORON	0	0.2	mg/l	TRUE
11/17/2020	MW#03-1 BORON	0	0.2	mg/l	TRUE
5/26/2021	MW#03-1 BORON	0	0.2	mg/l	TRUE
11/16/2021	MW#03-1 BORON	0	0.2	mg/l	TRUE
4/8/2022	MW#03-1 BORON	0	0.2	mg/l	TRUE
5/24/2018	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
6/19/2018	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
7/19/2018	MW#03-1 Cadmium	0.00486	0	mg/L	FALSE
8/22/2018	MW#03-1 Cadmium	0.0204	0	mg/L	FALSE
10/18/2018	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
11/20/2018	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
12/20/2018	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
3/26/2019	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
11/21/2019	MW#03-1 Cadmium	0	0.001	mg/L	TRUE
6/25/2020	MW#03-1 CADMIUM	0	0.001	mg/L	TRUE
11/17/2020	MW#03-1 CADMIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#03-1 CADMIUM	0	0.001	mg/l	TRUE
11/16/2021	MW#03-1 CADMIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#03-1 CADMIUM	0	0.001	mg/l	TRUE
5/24/2018	MW#03-1 Calcium	22.2	0.5	mg/L	FALSE
6/19/2018	MW#03-1 Calcium	43.6	0.5	mg/L	FALSE
7/19/2018	MW#03-1 Calcium	154	0.5	mg/L	FALSE
8/22/2018	MW#03-1 Calcium	613	0.5	mg/L	FALSE
11/20/2018	MW#03-1 Calcium	0	0.5	mg/L	TRUE
11/20/2018	MW#03-1 Calcium	35.6	0.5	mg/L	FALSE
12/20/2018	MW#03-1 Calcium	13.3	0.5	mg/L	FALSE
3/26/2019	MW#03-1 Calcium	16.6	0.5	mg/L	FALSE
5/7/2019	MW#03-1 Calcium	15	0.5	mg/L	FALSE
11/21/2019	MW#03-1 Calcium	16.9	0.5	mg/L	FALSE
6/25/2020	MW#03-1 CALCIUM	35.6	0	mg/L	FALSE
11/17/2020	MW#03-1 CALCIUM	76.2	0	mg/l	FALSE
5/26/2021	MW#03-1 CALCIUM	8.58	1	mg/l	FALSE
11/16/2021	MW#03-1 CALCIUM	27.4	1	mg/l	FALSE

4/8/2022	MW#03-1 CALCIUM	10.8	1	mg/l	FALSE
6/24/2004	MW#03-1 Chloride	10	0	mg/l	FALSE
9/15/2004	MW#03-1 Chloride	22	0	mg/l	FALSE
12/15/2004	MW#03-1 Chloride	6	0	mg/l	FALSE
3/16/2005	MW#03-1 Chloride	4	0	mg/l	FALSE
6/15/2005	MW#03-1 Chloride	6	0	mg/l	FALSE
9/21/2005	MW#03-1 Chloride	5	0	mg/l	FALSE
12/20/2006	MW#03-1 Chloride	5	0	mg/l	FALSE
6/12/2007	MW#03-1 Chloride	4	0	mg/l	FALSE
12/17/2007	MW#03-1 Chloride	3	0	mg/l	FALSE
6/11/2008	MW#03-1 Chloride	11	0	mg/l	FALSE
12/3/2008	MW#03-1 Chloride	11	0	mg/l	FALSE
6/17/2009	MW#03-1 Chloride	4	0	mg/l	FALSE
12/9/2009	MW#03-1 Chloride	32	0	mg/l	FALSE
6/17/2010	MW#03-1 Chloride	5	0	mg/l	FALSE
12/22/2010	MW#03-1 Chloride	8.7	0	mg/l	FALSE
6/29/2011	MW#03-1 Chloride	4.86	0	mg/l	FALSE
12/7/2011	MW#03-1 Chloride	5.88	0	mg/l	FALSE
6/6/2012	MW#03-1 Chloride	9.36	0	mg/l	FALSE
6/19/2013	MW#03-1 Chloride	0	5	mg/l	TRUE
12/11/2013	MW#03-1 Chloride	0	5	mg/l	TRUE
6/11/2014	MW#03-1 Chloride	44	0	mg/l	FALSE
12/3/2014	MW#03-1 Chloride	0	5	mg/l	TRUE
6/17/2015	MW#03-1 Chloride	0	5	mg/l	TRUE
12/1/2015	MW#03-1 Chloride	0.777	0	mg/l	FALSE
6/22/2016	MW#03-1 Chloride	0.628	0	mg/l	FALSE
12/20/2016	MW#03-1 Chloride	0.786	0	mg/l	FALSE
6/6/2017	MW#03-1 Chloride	0.887	0	mg/l	FALSE
11/7/2017	MW#03-1 Chloride	1.13	0	mg/l	FALSE
2/27/2018	MW#03-1 Chloride	1.07	5	mg/l	FALSE
5/7/2019	MW#03-1 Chloride	5.9	5	mg/l	FALSE
11/21/2019	MW#03-1 Chloride	410	50	mg/l	FALSE
6/25/2020	MW#03-1 CHLORIDE	0.652	0	mg/l	FALSE
11/17/2020	MW#03-1 CHLORIDE	2.29	0	mg/l	FALSE
5/26/2021	MW#03-1 CHLORIDE	1.64	1	mg/l	FALSE
11/16/2021	MW#03-1 CHLORIDE	0.704	1	mg/l	FALSE
4/8/2022	MW#03-1 CHLORIDE	0.942	1	mg/l	FALSE
5/24/2018	MW#03-1 Chromium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-1 Chromium	0	0.01	mg/L	TRUE
7/19/2018	MW#03-1 Chromium	0.0808	0	mg/L	FALSE
8/22/2018	MW#03-1 Chromium	0.38	0	mg/L	FALSE
10/18/2018	MW#03-1 Chromium	0	0.01	mg/L	TRUE
11/20/2018	MW#03-1 Chromium	0	0.01	mg/L	TRUE
12/20/2018	MW#03-1 Chromium	0	0.01	mg/L	TRUE
3/26/2019	MW#03-1 Chromium	0	0.01	mg/L	TRUE
11/21/2019	MW#03-1 Chromium	0	0.01	mg/L	TRUE
6/25/2020	MW#03-1 CHROMIUM	0	0.02	mg/L	TRUE
11/17/2020	MW#03-1 CHROMIUM	0	0.02	mg/l	TRUE
5/26/2021	MW#03-1 CHROMIUM	0	0.02	mg/l	TRUE
11/16/2021	MW#03-1 CHROMIUM	0	0.02	mg/l	TRUE
4/8/2022	MW#03-1 CHROMIUM	0	0.02	mg/L	TRUE
11/21/2019	MW#03-1 Cobalt	0	0.006	mg/L	TRUE
3/26/2019	MW#03-1 Cobalt	0	0.01	mg/L	TRUE
12/20/2018	MW#03-1 Cobalt	0	0.01	mg/L	TRUE

11/20/2018	MW#03-1 Cobalt	0	0.01	mg/L	TRUE
10/18/2018	MW#03-1 Cobalt	0	0.01	mg/L	TRUE
8/22/2018	MW#03-1 Cobalt	0.115	0	mg/L	FALSE
7/19/2018	MW#03-1 Cobalt	0.0321	0	mg/L	FALSE
6/19/2018	MW#03-1 Cobalt	0	0.01	mg/L	TRUE
5/24/2018	MW#03-1 Cobalt	0	0.01	mg/L	TRUE
6/25/2020	MW#03-1 COBALT	0	0.002	mg/L	TRUE
11/17/2020	MW#03-1 COBALT	0.000211	0.002	mg/l	FALSE
5/26/2021	MW#03-1 COBALT	0	0.002	mg/l	TRUE
11/16/2021	MW#03-1 COBALT	0.000164	0.002	mg/l	FALSE
4/8/2022	MW#03-1 COBALT	0	0.002	mg/l	TRUE
10/11/2016	MW#03-1 Fluoride	0	0.1	mg/L	TRUE
12/20/2016	MW#03-1 Fluoride	0.18	0	mg/L	FALSE
2/16/2017	MW#03-1 Fluoride	0.13	0	mg/L	FALSE
3/8/2017	MW#03-1 Fluoride	0.19	0	mg/L	FALSE
5/9/2017	MW#03-1 Fluoride	0.1	0	mg/L	FALSE
6/6/2017	MW#03-1 Fluoride	0	0.1	mg/L	TRUE
8/22/2017	MW#03-1 Fluoride	0.1	0	mg/L	FALSE
9/22/2017	MW#03-1 Fluoride	0.1	0	mg/L	FALSE
11/7/2017	MW#03-1 Fluoride	0.12	0	mg/L	FALSE
2/27/2018	MW#03-1 Fluoride	0.1	0	mg/L	FALSE
5/24/2018	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
6/19/2018	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
7/19/2018	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
8/22/2018	MW#03-1 Fluoride	0	0.1	mg/L	TRUE
9/19/2018	MW#03-1 Fluoride	0.21	0	mg/L	FALSE
10/18/2018	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
11/20/2018	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
12/20/2018	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
3/26/2019	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
5/7/2019	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
11/21/2019	MW#03-1 Fluoride	0	0.2	mg/L	TRUE
6/25/2020	MW#03-1 FLUORIDE	0.0846	0	mg/L	FALSE
11/17/2020	MW#03-1 FLUORIDE	0.109	0	mg/l	FALSE
5/26/2021	MW#03-1 FLUORIDE	0	0.15	mg/l	TRUE
11/16/2021	MW#03-1 FLUORIDE	0.134	0.15	mg/l	FALSE
4/8/2022	MW#03-1 FLUORIDE	0	0.15	mg/l	TRUE
5/24/2018	MW#03-1 Lead	0	0.005	mg/L	TRUE
6/19/2018	MW#03-1 Lead	0	0.005	mg/L	TRUE
7/19/2018	MW#03-1 Lead	0.124	0	mg/L	FALSE
8/22/2018	MW#03-1 Lead	0.143	0	mg/L	FALSE
10/18/2018	MW#03-1 Lead	0	0.005	mg/L	TRUE
11/20/2018	MW#03-1 Lead	0	0.005	mg/L	TRUE
12/20/2018	MW#03-1 Lead	0.00791	0	mg/L	FALSE
3/26/2019	MW#03-1 Lead	0	0.005	mg/L	TRUE
11/21/2019	MW#03-1 Lead	0	0.001	mg/L	TRUE
6/25/2020	MW#03-1 LEAD	0	0.002	mg/L	TRUE
11/17/2020	MW#03-1 LEAD	0	0.002	mg/l	TRUE
5/26/2021	MW#03-1 LEAD	0	0.002	mg/l	TRUE
11/16/2021	MW#03-1 LEAD	0	0.002	mg/l	TRUE
4/8/2022	MW#03-1 LEAD	0	0.002	mg/l	TRUE
5/24/2018	MW#03-1 Lithium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-1 Lithium	0	0.015	mg/L	TRUE
7/19/2018	MW#03-1 Lithium	0	0.015	mg/L	TRUE

8/22/2018	MW#03-1 Lithium	0.0461	0	mg/L	FALSE
10/18/2018	MW#03-1 Lithium	0	0.015	mg/L	TRUE
11/20/2018	MW#03-1 Lithium	0	0.015	mg/L	TRUE
12/20/2018	MW#03-1 Lithium	0	0.015	mg/L	TRUE
3/26/2019	MW#03-1 Lithium	0	0.015	mg/L	TRUE
11/21/2019	MW#03-1 Lithium	0	0.015	mg/L	TRUE
6/25/2020	MW#03-1 LITHIUM	0	0.015	mg/l	TRUE
11/17/2020	MW#03-1 LITHIUM	0	0.015	mg/l	TRUE
5/26/2021	MW#03-1 LITHIUM	0	0.015	mg/l	TRUE
11/16/2021	MW#03-1 LITHIUM	0	0.015	mg/l	TRUE
4/8/2022	MW#03-1 LITHIUM	0	0.015	mg/l	TRUE
5/24/2018	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
6/19/2018	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
7/19/2018	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
8/22/2018	MW#03-1 Mercury	0.000184	0	mg/L	FALSE
10/18/2018	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
11/20/2018	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
12/20/2018	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
3/26/2019	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
11/21/2019	MW#03-1 Mercury	0	0.00005	mg/L	TRUE
6/25/2020	MW#03-1 MERCURY	0	0.0002	mg/L	TRUE
11/17/2020	MW#03-1 MERCURY	0	0.0002	mg/l	TRUE
5/26/2021	MW#03-1 MERCURY	0	0.0002	mg/l	TRUE
11/16/2021	MW#03-1 MERCURY	0	0.0002	mg/l	TRUE
4/8/2022	MW#03-1 MERCURY	0	0.0002	mg/l	TRUE
8/22/2018	MW#03-1 Molybdenum	0.0167	0	mg/L	FALSE
5/24/2018	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
6/19/2018	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
7/19/2018	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
10/18/2018	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
11/20/2018	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
12/20/2018	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
3/26/2019	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
11/21/2019	MW#03-1 Molybdenum	0	0.01	mg/L	TRUE
6/25/2020	MW#03-1 MOLYBDENUM	0.000992	0	mg/L	FALSE
11/17/2020	MW#03-1 MOLYBDENUM	0.00274	0	mg/l	FALSE
5/26/2021	MW#03-1 MOLYBDENUM	0	0.005	mg/l	TRUE
11/16/2021	MW#03-1 MOLYBDENUM	0.00111	0.005	mg/l	FALSE
4/8/2022	MW#03-1 MOLYBDENUM	0	0.005	mg/l	TRUE
6/24/2004	MW#03-1 ph	7.27	0	std	FALSE
9/15/2004	MW#03-1 ph	6.78	0	std	FALSE
12/15/2004	MW#03-1 ph	7.32	0	std	FALSE
3/16/2005	MW#03-1 ph	7.3	0	std	FALSE
6/15/2005	MW#03-1 ph	7.28	0	std	FALSE
9/21/2005	MW#03-1 ph	7.88	0	std	FALSE
12/20/2006	MW#03-1 ph	7	0	std	FALSE
6/12/2007	MW#03-1 ph	7.29	0	std	FALSE
12/17/2007	MW#03-1 ph	6.8	0	std	FALSE
6/11/2008	MW#03-1 ph	7.4	0	std	FALSE
12/3/2008	MW#03-1 ph	7.4	0	std	FALSE
6/17/2009	MW#03-1 ph	7.6	0	std	FALSE
12/9/2009	MW#03-1 ph	7.5	0	std	FALSE
6/17/2010	MW#03-1 ph	7.1	0	std	FALSE
12/22/2010	MW#03-1 ph	6.89	0	std	FALSE

6/29/2011	MW#03-1	ph	7.3	0	std	FALSE		
12/7/2011	MW#03-1	ph	7.05	0	std	FALSE		
6/6/2012	MW#03-1	ph	7.33	0	std	FALSE		
6/19/2013	MW#03-1	ph	7.15	0	std	FALSE		
12/11/2013	MW#03-1	ph	7.19	0	std	FALSE		
6/11/2014	MW#03-1	ph	6.62	0	std	FALSE		
12/3/2014	MW#03-1	ph	6.73	0	std	FALSE		
6/17/2015	MW#03-1	ph	6.66	0	std	FALSE		
12/1/2015	MW#03-1	ph	6.34	0	std	FALSE		
6/22/2016	MW#03-1	ph	7.2	0	std	FALSE		
12/20/2016	MW#03-1	ph	6.75	0	std	FALSE		
6/6/2017	MW#03-1	ph	6.64	0	std	FALSE		
11/7/2017	MW#03-1	ph	6.44	0	std	FALSE		
2/27/2018	MW#03-1	ph	6.81	0	std	FALSE		
9/19/2018	MW#03-1	ph	7.19	0	std	FALSE		
5/7/2019	MW#03-1	ph	6.33	0	std	FALSE		
11/21/2019	MW#03-1	ph	6.23	0	std	FALSE		
6/25/2020	MW#03-1	ph	6.77	0	std	FALSE		
11/17/2020	MW#03-1	ph	6.92	0	std	FALSE		
5/26/2021	MW#03-1	ph	5.58	0	std	FALSE		
11/16/2021	MW#03-1	ph	7.62	0	std	FALSE		
4/7/2022	MW#03-1	ph	6.2	0	std	FALSE		
11/17/2020	MW#03-1	RADIUM COMBINED	1.184	0	mg/l	FALSE		
5/26/2021	MW#03-1	RADIUM COMBINED	1.84	0	mg/l	FALSE		
11/16/2021	MW#03-1	RADIUM COMBINED	1.974	0	mg/l	FALSE		
11/21/2019	MW#03-1	Radium Combined	0.729	1	pCi/L	FALSE		
3/26/2019	MW#03-1	Radium Combined	0.994	1	pCi/L	FALSE		
12/20/2018	MW#03-1	Radium Combined	1.71	1	pCi/L	FALSE		
11/20/2018	MW#03-1	Radium Combined	0.809	1	pCi/L	FALSE		
10/18/2018	MW#03-1	Radium Combined	2.84	1	pCi/L	FALSE		
8/22/2018	MW#03-1	Radium Combined	6.1	1	pCi/L	FALSE		
7/19/2018	MW#03-1	Radium Combined	0.457	1	pCi/L	FALSE		
6/22/2018	MW#03-1	Radium Combined	3.08	1	pCi/L	FALSE		
5/24/2018	MW#03-1	Radium Combined	1.19	1	pCi/L	FALSE		
6/25/2020	MW#03-1	RADIUM COMBINED	0.715	0	pCi/L	FALSE		
4/8/2022	MW#03-1	RADIUM COMBINED	1.033	0	pCi/L	FALSE		
5/24/2018	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
6/19/2018	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
7/19/2018	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
8/22/2018	MW#03-1	Selenium	0.0144	0	mg/L	FALSE		
10/18/2018	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
11/20/2018	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
12/20/2018	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
3/26/2019	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
11/21/2019	MW#03-1	Selenium	0	0.005	mg/L	TRUE		
6/25/2020	MW#03-1	SELENIUM	0	0.002	mg/L	TRUE		
11/17/2020	MW#03-1	SELENIUM	0.000522	0	mg/l	FALSE		
5/26/2021	MW#03-1	SELENIUM	0	0.002	mg/l	TRUE		
11/16/2021	MW#03-1	SELENIUM	0	0.002	mg/l	TRUE		
4/8/2022	MW#03-1	SELENIUM	0	0.002	mg/l	TRUE		
6/24/2004	MW#03-1	Sodium	10.2	0	mg/l	FALSE		
9/15/2004	MW#03-1	Sodium	42	0	mg/l	FALSE		
12/15/2004	MW#03-1	Sodium	8.04	0	mg/l	FALSE		
3/16/2005	MW#03-1	Sodium	5.99	0	mg/l	FALSE		

6/15/2005	MW#03-1	Sodium	7.3	0	mg/l	FALSE
9/21/2005	MW#03-1	Sodium	14.1	0	mg/l	FALSE
12/20/2006	MW#03-1	Sodium	8	0	mg/l	FALSE
6/12/2007	MW#03-1	Sodium	7.96	0	mg/l	FALSE
12/17/2007	MW#03-1	Sodium	9.88	0	mg/l	FALSE
6/11/2008	MW#03-1	Sodium	5.71	0	mg/l	FALSE
12/3/2008	MW#03-1	Sodium	7.01	0	mg/l	FALSE
6/17/2009	MW#03-1	Sodium	7.34	0	mg/l	FALSE
12/9/2009	MW#03-1	Sodium	6.77	0	mg/l	FALSE
6/17/2010	MW#03-1	Sodium	9.31	0	mg/l	FALSE
12/22/2010	MW#03-1	Sodium	7.11	0	mg/l	FALSE
6/29/2011	MW#03-1	Sodium	7.04	0	mg/l	FALSE
12/7/2011	MW#03-1	Sodium	8.87	0	mg/l	FALSE
6/6/2012	MW#03-1	Sodium	7.94	0	mg/l	FALSE
6/19/2013	MW#03-1	Sodium	10.3	0	mg/l	FALSE
12/11/2013	MW#03-1	Sodium	9.78	0	mg/l	FALSE
6/11/2014	MW#03-1	Sodium	55.9	0	mg/l	FALSE
12/3/2014	MW#03-1	Sodium	9.8	0	mg/l	FALSE
6/17/2015	MW#03-1	Sodium	9.7	0	mg/l	FALSE
12/1/2015	MW#03-1	Sodium	12	0	mg/l	FALSE
6/22/2016	MW#03-1	Sodium	8.59	0	mg/l	FALSE
12/20/2016	MW#03-1	Sodium	7.94	0	mg/l	FALSE
6/6/2017	MW#03-1	Sodium	6.56	0	mg/l	FALSE
11/7/2017	MW#03-1	Sodium	17.6	2	mg/l	FALSE
2/27/2018	MW#03-1	Sodium	16.8	0	mg/l	FALSE
5/7/2019	MW#03-1	Sodium	13.1	0	mg/l	FALSE
11/21/2019	MW#03-1	Sodium	10.5	0	mg/l	FALSE
6/25/2020	MW#03-1	SODIUM	7.75	0	mg/l	FALSE
11/17/2020	MW#03-1	SODIUM	26.9	0	mg/l	FALSE
5/26/2021	MW#03-1	SODIUM	12.4	2	mg/l	FALSE
11/16/2021	MW#03-1	SODIUM	21	2	mg/l	FALSE
4/8/2022	MW#03-1	SODIUM	9.32	2	mg/l	FALSE
11/17/2020	MW#03-1	SPECIFIC CONDUCTANCE	524	0	mg/l	FALSE
6/24/2004	MW#03-1	Specific Conductance	497	0	std	FALSE
9/15/2004	MW#03-1	Specific Conductance	687	0	std	FALSE
12/15/2004	MW#03-1	Specific Conductance	514	0	std	FALSE
3/16/2005	MW#03-1	Specific Conductance	422	0	std	FALSE
6/15/2005	MW#03-1	Specific Conductance	465	0	std	FALSE
9/21/2005	MW#03-1	Specific Conductance	517	0	std	FALSE
12/20/2006	MW#03-1	Specific Conductance	447	0	std	FALSE
6/12/2007	MW#03-1	Specific Conductance	630	0	std	FALSE
12/17/2007	MW#03-1	Specific Conductance	540	0	std	FALSE
6/11/2008	MW#03-1	Specific Conductance	467	0	std	FALSE
12/3/2008	MW#03-1	Specific Conductance	649	0	std	FALSE
6/17/2009	MW#03-1	Specific Conductance	519	0	std	FALSE
12/9/2009	MW#03-1	Specific Conductance	469	0	std	FALSE
6/17/2010	MW#03-1	Specific Conductance	500	0	std	FALSE
12/22/2010	MW#03-1	Specific Conductance	504	0	std	FALSE
6/29/2011	MW#03-1	Specific Conductance	463	0	std	FALSE
12/7/2011	MW#03-1	Specific Conductance	501	0	std	FALSE
6/6/2012	MW#03-1	Specific Conductance	457	0	std	FALSE
6/19/2013	MW#03-1	Specific Conductance	373	0	std	FALSE
12/11/2013	MW#03-1	Specific Conductance	476	0	std	FALSE
6/11/2014	MW#03-1	Specific Conductance	826	0	std	FALSE

12/3/2014	MW#03-1	Specific Conductance	409	1	umhos/cm	FALSE
6/17/2015	MW#03-1	Specific Conductance	267	1	umhos/cm	FALSE
12/1/2015	MW#03-1	Specific Conductance	385	1	umhos/cm	FALSE
6/22/2016	MW#03-1	Specific Conductance	320	1	umhos/cm	FALSE
6/6/2017	MW#03-1	Specific Conductance	198	1	umhos/cm	FALSE
11/7/2017	MW#03-1	Specific Conductance	444	1	umhos/cm	FALSE
2/27/2018	MW#03-1	Specific Conductance	186.1	1	umhos/cm	FALSE
9/19/2018	MW#03-1	Specific Conductance	573	1	umhos/cm	FALSE
11/21/2019	MW#03-1	Specific Conductance	140	1	umhos/cm	FALSE
6/25/2020	MW#03-1	SPECIFIC CONDUCTANCE	255	0	umhos/cm	FALSE
5/26/2021	MW#03-1	SPECIFIC CONDUCTANCE	128	10	umhos/cm	FALSE
11/16/2021	MW#03-1	SPECIFIC CONDUCTANCE	279	10	umhos/cm	FALSE
4/8/2022	MW#03-1	SPECIFIC CONDUCTANCE	2440	10	umhos/cm	FALSE
6/24/2004	MW#03-1	Sulfate	42	0	mg/l	FALSE
9/15/2004	MW#03-1	Sulfate	76	0	mg/l	FALSE
12/15/2004	MW#03-1	Sulfate	62	0	mg/l	FALSE
3/16/2005	MW#03-1	Sulfate	22	0	mg/l	FALSE
6/15/2005	MW#03-1	Sulfate	23	0	mg/l	FALSE
9/21/2005	MW#03-1	Sulfate	17	0	mg/l	FALSE
12/20/2006	MW#03-1	Sulfate	55	0	mg/l	FALSE
6/12/2007	MW#03-1	Sulfate	88	0	mg/l	FALSE
12/17/2007	MW#03-1	Sulfate	120	0	mg/l	FALSE
6/11/2008	MW#03-1	Sulfate	23	0	mg/l	FALSE
12/3/2008	MW#03-1	Sulfate	90	0	mg/l	FALSE
6/17/2009	MW#03-1	Sulfate	21	0	mg/l	FALSE
12/9/2009	MW#03-1	Sulfate	15	0	mg/l	FALSE
6/17/2010	MW#03-1	Sulfate	16	0	mg/l	FALSE
12/22/2010	MW#03-1	Sulfate	22.9	0	mg/l	FALSE
6/29/2011	MW#03-1	Sulfate	21.6	0	mg/l	FALSE
12/7/2011	MW#03-1	Sulfate	18.1	0	mg/l	FALSE
6/6/2012	MW#03-1	Sulfate	14.3	0	mg/l	FALSE
6/19/2013	MW#03-1	Sulfate	16.2	0	mg/l	FALSE
12/11/2013	MW#03-1	Sulfate	29.1	0	mg/l	FALSE
6/11/2014	MW#03-1	Sulfate	127	0	mg/l	FALSE
12/3/2014	MW#03-1	Sulfate	19.7	5	mg/l	FALSE
6/17/2015	MW#03-1	Sulfate	7.86	5	mg/l	FALSE
12/1/2015	MW#03-1	Sulfate	12.1	2	mg/l	FALSE
6/22/2016	MW#03-1	Sulfate	10.3	0	mg/l	FALSE
12/20/2016	MW#03-1	Sulfate	30.9	2	mg/l	FALSE
6/6/2017	MW#03-1	Sulfate	8.92	0	mg/l	FALSE
11/7/2017	MW#03-1	Sulfate	14.4	0	mg/l	FALSE
2/27/2018	MW#03-1	Sulfate	12.6	5	mg/l	FALSE
5/7/2019	MW#03-1	Sulfate	12.2	5	mg/l	FALSE
11/21/2019	MW#03-1	Sulfate	184	5	mg/l	FALSE
6/25/2020	MW#03-1	SULFATE	6.2	0	mg/l	FALSE
11/17/2020	MW#03-1	SULFATE	18.9	0	mg/l	FALSE
5/26/2021	MW#03-1	SULFATE	5.27	5	mg/l	FALSE
11/16/2021	MW#03-1	SULFATE	9.03	5	mg/l	FALSE
4/8/2022	MW#03-1	SULFATE	2.92	5	mg/l	FALSE
5/24/2018	MW#03-1	Thallium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-1	Thallium	0	0.01	mg/L	TRUE
7/19/2018	MW#03-1	Thallium	0	0.01	mg/L	TRUE
8/22/2018	MW#03-1	Thallium	0	0.01	mg/L	TRUE
10/18/2018	MW#03-1	Thallium	0	0.01	mg/L	TRUE

11/20/2018	MW#03-1	Thallium 0	0.01 mg/L	TRUE
12/20/2018	MW#03-1	Thallium 0	0.01 mg/L	TRUE
3/26/2019	MW#03-1	Thallium 0	0.01 mg/L	TRUE
11/21/2019	MW#03-1	Thallium 0	0.001 mg/L	TRUE
2/11/2020	MW#03-1	Thallium 0	0.01 mg/L	TRUE
6/25/2020	MW#03-1	THALLIUM 0	0.001 mg/L	TRUE
11/17/2020	MW#03-1	THALLIUM 0	0.001 mg/l	TRUE
5/26/2021	MW#03-1	THALLIUM 0	0.001 mg/l	TRUE
11/16/2021	MW#03-1	THALLIUM 0	0.001 mg/l	TRUE
4/8/2022	MW#03-1	THALLIUM 0	0.001 mg/L	TRUE
5/7/2019	MW#03-1	Total Dissolved Solids	102 10 mg/L	FALSE
11/21/2019	MW#03-1	Total Dissolved Solids	80 20 mg/L	FALSE
6/25/2020	MW#03-1	Total Dissolved Solids	151 0 mg/L	FALSE
11/17/2020	MW#03-1	Total Dissolved Solids	320 0 mg/l	FALSE
5/26/2021	MW#03-1	Total Dissolved Solids	88 10 mg/l	FALSE
11/16/2021	MW#03-1	Total Dissolved Solids	160 10 mg/l	FALSE
4/8/2022	MW#03-1	Total Dissolved Solids	81 10 mg/L	FALSE
6/24/2004	MW#03-2	Alkalinity	235 0 mg/l	FALSE
9/15/2004	MW#03-2	Alkalinity	200 0 mg/l	FALSE
12/15/2004	MW#03-2	Alkalinity	222 0 mg/l	FALSE
3/16/2005	MW#03-2	Alkalinity	220 0 mg/l	FALSE
6/15/2005	MW#03-2	Alkalinity	252 0 mg/l	FALSE
9/21/2005	MW#03-2	Alkalinity	224 0 mg/l	FALSE
12/21/2005	MW#03-2	Alkalinity	230 0 mg/l	FALSE
3/15/2006	MW#03-2	Alkalinity	220 0 mg/l	FALSE
6/21/2006	MW#03-2	Alkalinity	228 0 mg/l	FALSE
12/20/2006	MW#03-2	Alkalinity	220 0 mg/l	FALSE
6/12/2007	MW#03-2	Alkalinity	228 0 mg/l	FALSE
12/17/2007	MW#03-2	Alkalinity	200 0 mg/l	FALSE
6/11/2008	MW#03-2	Alkalinity	200 0 mg/l	FALSE
12/3/2008	MW#03-2	Alkalinity	210 0 mg/l	FALSE
6/17/2009	MW#03-2	Alkalinity	200 0 mg/l	FALSE
12/9/2009	MW#03-2	Alkalinity	208 0 mg/l	FALSE
6/17/2010	MW#03-2	Alkalinity	216 0 mg/l	FALSE
12/22/2010	MW#03-2	Alkalinity	230 0 mg/l	FALSE
6/29/2011	MW#03-2	Alkalinity	224 0 mg/l	FALSE
12/7/2011	MW#03-2	Alkalinity	236 0 mg/l	FALSE
6/6/2012	MW#03-2	Alkalinity	230 0 mg/l	FALSE
12/12/2012	MW#03-2	Alkalinity	242 0 mg/l	FALSE
6/19/2013	MW#03-2	Alkalinity	232 0 mg/l	FALSE
12/11/2013	MW#03-2	Alkalinity	230 0 mg/l	FALSE
6/11/2014	MW#03-2	Alkalinity	92 0 mg/l	FALSE
12/3/2014	MW#03-2	Alkalinity	76 2 mg/l	FALSE
6/17/2015	MW#03-2	Alkalinity	220 2 mg/l	FALSE
12/1/2015	MW#03-2	Alkalinity	214 10 mg/l	FALSE
6/22/2016	MW#03-2	Alkalinity	204 10 mg/l	FALSE
12/20/2016	MW#03-2	Alkalinity	199.4 10 mg/l	FALSE
6/6/2017	MW#03-2	Alkalinity	192 10 mg/l	FALSE
11/7/2017	MW#03-2	Alkalinity	192 5 mg/l	FALSE
2/27/2018	MW#03-2	Alkalinity	196 2 mg/l	FALSE
9/27/2018	MW#03-2	Alkalinity	185 12 mg/l	FALSE
5/7/2019	MW#03-2	Alkalinity	220 12 mg/l	FALSE
11/21/2019	MW#03-2	Alkalinity	220 12 mg/l	FALSE
6/25/2020	MW#03-2	ALKALINITY	223 0 mg/l	FALSE

11/17/2020	MW#03-2	ALKALINITY	209	0	mg/l	FALSE
5/26/2021	MW#03-2	ALKALINITY	220	0	mg/l	FALSE
11/17/2021	MW#03-2	ALKALINITY	208	0	mg/l	FALSE
4/8/2022	MW#03-2	ALKALINITY	230	20	mg/l	FALSE
11/21/2019	MW#03-2	Antimony	0	0.002	mg/L	TRUE
12/20/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
11/20/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
10/18/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
9/19/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
8/22/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
7/19/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
6/19/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
5/24/2018	MW#03-2	Antimony	0	0.01	mg/L	TRUE
6/25/2020	MW#03-2	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2020	MW#03-2	ANTIMONY	0	0.005	mg/l	TRUE
5/26/2021	MW#03-2	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2021	MW#03-2	ANTIMONY	0	0.005	mg/l	TRUE
4/8/2022	MW#03-2	ANTIMONY	0	0.005	mg/L	TRUE
6/12/2007	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/17/2007	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/11/2008	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/3/2008	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/17/2009	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/9/2009	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/17/2010	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/22/2010	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/29/2011	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/7/2011	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/6/2012	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/12/2012	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/19/2013	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/11/2013	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/11/2014	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/3/2014	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/17/2015	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/1/2015	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/22/2016	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/20/2016	MW#03-2	Arsenic	0	0.0005	mg/L	TRUE
6/6/2017	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
11/7/2017	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
2/27/2018	MW#03-2	Arsenic	0.008	0	mg/L	FALSE
5/24/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
6/19/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
7/19/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
8/22/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
9/19/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
9/27/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
10/18/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
11/20/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
12/20/2018	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
5/7/2019	MW#03-2	Arsenic	0	0.005	mg/L	TRUE
11/21/2019	MW#03-2	Arsenic	0	0.001	mg/L	TRUE
6/25/2020	MW#03-2	Arsenic	0.000329	0	mg/l	FALSE
11/17/2020	MW#03-2	Arsenic	0	0.001	mg/l	TRUE

5/26/2021	MW#03-2	Arsenic	0	0.001	mg/l	TRUE
11/17/2021	MW#03-2	Arsenic	0	0.001	mg/l	TRUE
4/8/2022	MW#03-2	ARSENIC	0	0.001	mg/l	TRUE
5/24/2018	MW#03-2	Barium	0.0519	0	mg/L	FALSE
6/19/2018	MW#03-2	Barium	0.0391	0	mg/L	FALSE
7/19/2018	MW#03-2	Barium	0.044	0	mg/L	FALSE
8/22/2018	MW#03-2	Barium	0.0409	0	mg/L	FALSE
9/19/2018	MW#03-2	Barium	0.0447	0	mg/L	FALSE
10/18/2018	MW#03-2	Barium	0.0463	0	mg/L	FALSE
11/20/2018	MW#03-2	Barium	0	0.01	mg/L	TRUE
12/20/2018	MW#03-2	Barium	0.0443	0	mg/L	FALSE
11/21/2019	MW#03-2	Barium	0.044	0	mg/L	FALSE
6/25/2020	MW#03-2	BARIUM	0.0348	0	mg/l	FALSE
11/17/2020	MW#03-2	BARIUM	0.0395	0	mg/l	FALSE
5/26/2021	MW#03-2	BARIUM	0.0335	0	mg/l	FALSE
11/17/2021	MW#03-2	BARIUM	0.0329	0	mg/l	FALSE
4/8/2022	MW#03-2	BARIUM	0.0301	0.005	mg/l	FALSE
5/24/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
7/19/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
8/22/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
9/19/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
10/18/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
11/20/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
12/20/2018	MW#03-2	Beryllium	0	0.01	mg/L	TRUE
11/21/2019	MW#03-2	Beryllium	0	0.001	mg/L	TRUE
6/25/2020	MW#03-2	BERYLLIUM	0	0.001	mg/L	TRUE
11/17/2020	MW#03-2	BERYLLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#03-2	BERYLLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#03-2	BERYLLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#03-2	BERYLLIUM	0	0.001	mg/L	TRUE
10/11/2016	MW#03-2	Boron	0	0.025	mg/L	TRUE
12/20/2016	MW#03-2	Boron	0	0.025	mg/L	TRUE
2/16/2017	MW#03-2	Boron	0	0.025	mg/L	TRUE
3/8/2017	MW#03-2	Boron	0	0.025	mg/L	TRUE
5/9/2017	MW#03-2	Boron	0.032	0	mg/L	FALSE
6/6/2017	MW#03-2	Boron	0	0.025	mg/L	TRUE
8/22/2017	MW#03-2	Boron	0	0.025	mg/L	TRUE
9/22/2017	MW#03-2	Boron	0	0.025	mg/L	TRUE
11/7/2017	MW#03-2	Boron	0	0.1	mg/L	TRUE
2/27/2018	MW#03-2	Boron	0	0.05	mg/L	TRUE
5/7/2019	MW#03-2	Boron	0	0.1	mg/L	TRUE
11/21/2019	MW#03-2	Boron	0	0.2	mg/L	TRUE
6/25/2020	MW#03-2	BORON	0	0.2	mg/l	TRUE
11/17/2020	MW#03-2	BORON	0	0.2	mg/l	TRUE
5/26/2021	MW#03-2	BORON	0	0.2	mg/l	TRUE
11/17/2021	MW#03-2	BORON	0	0.2	mg/l	TRUE
4/8/2022	MW#03-2	BORON	0	0.2	mg/l	TRUE
5/24/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
6/19/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
7/19/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
8/22/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
9/19/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
10/18/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE

11/20/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
12/20/2018	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
11/21/2019	MW#03-2	Cadmium	0	0.001	mg/L	TRUE
6/25/2020	MW#03-2	CADMIUM	0	0.001	mg/L	TRUE
11/17/2020	MW#03-2	CADMIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#03-2	CADMIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#03-2	CADMIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#03-2	CADMIUM	0	0.001	mg/l	TRUE
5/24/2018	MW#03-2	Calcium	197	0.5	mg/L	FALSE
6/19/2018	MW#03-2	Calcium	291	0.5	mg/L	FALSE
7/19/2018	MW#03-2	Calcium	338	0.5	mg/L	FALSE
8/22/2018	MW#03-2	Calcium	325	0.5	mg/L	FALSE
9/19/2018	MW#03-2	Calcium	303	0.5	mg/L	FALSE
9/27/2018	MW#03-2	Calcium	352	0.5	mg/L	FALSE
11/20/2018	MW#03-2	Calcium	0	0.5	mg/L	TRUE
11/20/2018	MW#03-2	Calcium	331	0.5	mg/L	FALSE
12/20/2018	MW#03-2	Calcium	350	0.5	mg/L	FALSE
5/7/2019	MW#03-2	Calcium	267	0.5	mg/L	FALSE
11/21/2019	MW#03-2	Calcium	386	0.5	mg/L	FALSE
6/25/2020	MW#03-2	CALCIUM	338	0	mg/L	FALSE
11/17/2020	MW#03-2	CALCIUM	321	0	mg/l	FALSE
5/26/2021	MW#03-2	CALCIUM	302	1	mg/l	FALSE
11/17/2021	MW#03-2	CALCIUM	294	1	mg/l	FALSE
4/8/2022	MW#03-2	CALCIUM	291	1	mg/l	FALSE
6/24/2004	MW#03-2	Chloride	36	0	mg/l	FALSE
9/15/2004	MW#03-2	Chloride	4	0	mg/l	FALSE
12/15/2004	MW#03-2	Chloride	28	0	mg/l	FALSE
3/16/2005	MW#03-2	Chloride	30	0	mg/l	FALSE
6/15/2005	MW#03-2	Chloride	30	0	mg/l	FALSE
9/21/2005	MW#03-2	Chloride	27	0	mg/l	FALSE
12/21/2005	MW#03-2	Chloride	26	0	mg/l	FALSE
3/15/2006	MW#03-2	Chloride	27	0	mg/l	FALSE
6/21/2006	MW#03-2	Chloride	23	0	mg/l	FALSE
12/20/2006	MW#03-2	Chloride	35	0	mg/l	FALSE
6/12/2007	MW#03-2	Chloride	30	0	mg/l	FALSE
12/17/2007	MW#03-2	Chloride	20	0	mg/l	FALSE
6/11/2008	MW#03-2	Chloride	41	0	mg/l	FALSE
12/3/2008	MW#03-2	Chloride	46	0	mg/l	FALSE
6/17/2009	MW#03-2	Chloride	60	0	mg/l	FALSE
12/9/2009	MW#03-2	Chloride	45	0	mg/l	FALSE
6/17/2010	MW#03-2	Chloride	33	0	mg/l	FALSE
12/22/2010	MW#03-2	Chloride	29	0	mg/l	FALSE
6/29/2011	MW#03-2	Chloride	28.4	0	mg/l	FALSE
12/7/2011	MW#03-2	Chloride	23.5	0	mg/l	FALSE
6/6/2012	MW#03-2	Chloride	29.3	0	mg/l	FALSE
12/12/2012	MW#03-2	Chloride	28.3	0	mg/l	FALSE
6/19/2013	MW#03-2	Chloride	32.1	0	mg/l	FALSE
12/11/2013	MW#03-2	Chloride	32.8	0	mg/l	FALSE
6/11/2014	MW#03-2	Chloride	0	5	mg/l	TRUE
12/3/2014	MW#03-2	Chloride	51.2	5	mg/l	FALSE
6/17/2015	MW#03-2	Chloride	54.7	5	mg/l	FALSE
12/1/2015	MW#03-2	Chloride	67.8	5	mg/l	FALSE
6/22/2016	MW#03-2	Chloride	79.7	12	mg/l	FALSE
10/11/2016	MW#03-2	Chloride	88.4	12	mg/l	FALSE

12/20/2016	MW#03-2	Chloride	126	12	mg/l	FALSE
6/6/2017	MW#03-2	Chloride	117	12	mg/l	FALSE
11/7/2017	MW#03-2	Chloride	288	5	mg/l	FALSE
2/27/2018	MW#03-2	Chloride	247	5	mg/l	FALSE
9/27/2018	MW#03-2	Chloride	283	5	mg/l	FALSE
5/7/2019	MW#03-2	Chloride	313	50	mg/l	FALSE
11/21/2019	MW#03-2	Chloride	543	50	mg/l	FALSE
6/25/2020	MW#03-2	CHLORIDE	448	0	mg/l	FALSE
11/17/2020	MW#03-2	CHLORIDE	435	0	mg/l	FALSE
5/26/2021	MW#03-2	CHLORIDE	511	10	mg/l	FALSE
11/17/2021	MW#03-2	CHLORIDE	501	10	mg/l	FALSE
4/8/2022	MW#03-2	CHLORIDE	440	10	mg/l	FALSE
5/24/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
7/19/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
8/22/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
9/19/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
10/18/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
11/20/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
12/20/2018	MW#03-2	Chromium	0	0.01	mg/L	TRUE
11/21/2019	MW#03-2	Chromium	0	0.01	mg/L	TRUE
6/25/2020	MW#03-2	CHROMIUM	0	0.02	mg/L	TRUE
11/17/2020	MW#03-2	CHROMIUM	0	0.02	mg/l	TRUE
5/26/2021	MW#03-2	CHROMIUM	0	0.02	mg/l	TRUE
11/17/2021	MW#03-2	CHROMIUM	0	0.02	mg/l	TRUE
4/8/2022	MW#03-2	CHROMIUM	0	0.02	mg/L	TRUE
11/21/2019	MW#03-2	Cobalt	0	0.006	mg/L	TRUE
12/20/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
11/20/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
10/18/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
9/19/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
8/22/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
7/19/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
6/19/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
5/24/2018	MW#03-2	Cobalt	0	0.01	mg/L	TRUE
6/25/2020	MW#03-2	COBALT	0	0.002	mg/L	TRUE
11/17/2020	MW#03-2	COBALT	0	0.002	mg/l	TRUE
5/26/2021	MW#03-2	COBALT	0	0.002	mg/l	TRUE
11/17/2021	MW#03-2	COBALT	0	0.002	mg/l	TRUE
4/8/2022	MW#03-2	COBALT	0	0.002	mg/l	TRUE
10/11/2016	MW#03-2	Fluoride	0	0.1	mg/L	TRUE
12/20/2016	MW#03-2	Fluoride	0.14	0	mg/L	FALSE
2/16/2017	MW#03-2	Fluoride	0.12	0	mg/L	FALSE
3/8/2017	MW#03-2	Fluoride	0.14	0	mg/L	FALSE
5/9/2017	MW#03-2	Fluoride	0	0.1	mg/L	TRUE
6/6/2017	MW#03-2	Fluoride	0.1	0	mg/L	FALSE
8/22/2017	MW#03-2	Fluoride	0	0.1	mg/L	TRUE
9/22/2017	MW#03-2	Fluoride	0	0.1	mg/L	TRUE
11/7/2017	MW#03-2	Fluoride	0.1	0	mg/L	FALSE
2/27/2018	MW#03-2	Fluoride	0.12	0	mg/L	FALSE
5/24/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
6/19/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
7/19/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
8/22/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE

9/19/2018	MW#03-2	Fluoride	0.21	0	mg/L	FALSE
10/18/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
11/20/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
12/20/2018	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
5/7/2019	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
11/21/2019	MW#03-2	Fluoride	0	0.2	mg/L	TRUE
6/25/2020	MW#03-2	FLUORIDE	0.119	0	mg/L	FALSE
11/17/2020	MW#03-2	FLUORIDE	0.116	0	mg/l	FALSE
5/26/2021	MW#03-2	FLUORIDE	0.09	0.15	mg/l	FALSE
11/17/2021	MW#03-2	FLUORIDE	0.117	0.15	mg/l	FALSE
4/8/2022	MW#03-2	FLUORIDE	0.0746	0.15	mg/l	FALSE
5/24/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
6/19/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
7/19/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
8/22/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
9/19/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
10/18/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
11/20/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
12/20/2018	MW#03-2	Lead	0	0.005	mg/L	TRUE
11/21/2019	MW#03-2	Lead	0	0.001	mg/L	TRUE
6/25/2020	MW#03-2	LEAD	0	0.002	mg/L	TRUE
11/17/2020	MW#03-2	LEAD	0	0.002	mg/l	TRUE
5/26/2021	MW#03-2	LEAD	0	0.002	mg/l	TRUE
11/17/2021	MW#03-2	LEAD	0	0.002	mg/l	TRUE
4/8/2022	MW#03-2	LEAD	0	0.002	mg/l	TRUE
5/24/2018	MW#03-2	Lithium	0.0173	0	mg/L	FALSE
6/19/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
7/19/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
8/22/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
9/19/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
10/18/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
11/20/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
12/20/2018	MW#03-2	Lithium	0	0.015	mg/L	TRUE
11/21/2019	MW#03-2	Lithium	0.0154	0	mg/L	FALSE
6/25/2020	MW#03-2	LITHIUM	0.00813	0	mg/l	FALSE
11/17/2020	MW#03-2	LITHIUM	0	0.015	mg/l	TRUE
5/26/2021	MW#03-2	LITHIUM	0.0112	0.015	mg/l	FALSE
11/17/2021	MW#03-2	LITHIUM	0.0144	0.015	mg/l	FALSE
4/8/2022	MW#03-2	LITHIUM	0.0346	0.015	mg/l	FALSE
5/24/2018	MW#03-2	Mercury	0	0.00005	mg/L	TRUE
6/19/2018	MW#03-2	Mercury	0.000224	0	mg/L	FALSE
7/19/2018	MW#03-2	Mercury	0.000239	0	mg/L	FALSE
8/22/2018	MW#03-2	Mercury	0.000255	0	mg/L	FALSE
9/19/2018	MW#03-2	Mercury	0.000636	0	mg/L	FALSE
10/18/2018	MW#03-2	Mercury	0.00101	0	mg/L	FALSE
11/20/2018	MW#03-2	Mercury	0.000803	0	mg/L	FALSE
12/20/2018	MW#03-2	Mercury	0.00107	0	mg/L	FALSE
11/21/2019	MW#03-2	Mercury	0.00694	0	mg/L	FALSE
6/25/2020	MW#03-2	MERCURY	0.000234	0	mg/L	FALSE
2/14/2020	MW#03-2	MERCURY	0.00171	0	mg/L	FALSE
11/17/2020	MW#03-2	MERCURY	0.00086	0	mg/l	FALSE
5/26/2021	MW#03-2	MERCURY	0.00239	0.0002	mg/l	FALSE
11/17/2021	MW#03-2	MERCURY	0.00215	0.0002	mg/l	FALSE
4/8/2022	MW#03-2	MERCURY	0.00285	0.0002	mg/l	FALSE

5/24/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
6/19/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
7/19/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
8/22/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
9/19/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
10/18/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
11/20/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
12/20/2018	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
11/21/2019	MW#03-2	Molybdenum	0	0.01 mg/L	TRUE
6/25/2020	MW#03-2	MOLYBDENUM	0	0.005 mg/L	TRUE
11/17/2020	MW#03-2	MOLYBDENUM	0	0.005 mg/l	TRUE
5/26/2021	MW#03-2	MOLYBDENUM	0	0.005 mg/l	TRUE
11/17/2021	MW#03-2	MOLYBDENUM	0	0.005 mg/l	TRUE
4/8/2022	MW#03-2	MOLYBDENUM	0	0.005 mg/l	TRUE
6/24/2004	MW#03-2	ph	6.84	0 std	FALSE
9/15/2004	MW#03-2	ph	7.17	0 std	FALSE
12/15/2004	MW#03-2	ph	6.86	0 std	FALSE
3/16/2005	MW#03-2	ph	6.8	0 std	FALSE
6/15/2005	MW#03-2	ph	6.87	0 std	FALSE
9/21/2005	MW#03-2	ph	6.87	0 std	FALSE
12/21/2005	MW#03-2	ph	6.83	0 std	FALSE
3/15/2006	MW#03-2	ph	6.88	0 std	FALSE
6/21/2006	MW#03-2	ph	6.78	0 std	FALSE
12/20/2006	MW#03-2	ph	6.88	0 std	FALSE
6/12/2007	MW#03-2	ph	6.87	0 std	FALSE
12/17/2007	MW#03-2	ph	6.7	0 std	FALSE
6/11/2008	MW#03-2	ph	6.9	0 std	FALSE
12/3/2008	MW#03-2	ph	6.8	0 std	FALSE
6/17/2009	MW#03-2	ph	7.3	0 std	FALSE
12/9/2009	MW#03-2	ph	6.8	0 std	FALSE
6/17/2010	MW#03-2	ph	6.8	0 std	FALSE
12/22/2010	MW#03-2	ph	7.2	0 std	FALSE
6/29/2011	MW#03-2	ph	6.7	0 std	FALSE
12/7/2011	MW#03-2	ph	6.69	0 std	FALSE
6/6/2012	MW#03-2	ph	6.73	0 std	FALSE
12/12/2012	MW#03-2	ph	6.82	0 std	FALSE
6/19/2013	MW#03-2	ph	6.88	0 std	FALSE
12/11/2013	MW#03-2	ph	6.72	0 std	FALSE
6/11/2014	MW#03-2	ph	7	0 std	FALSE
12/3/2014	MW#03-2	ph	7.14	0 std	FALSE
6/17/2015	MW#03-2	ph	6.45	0 std	FALSE
12/1/2015	MW#03-2	ph	6.39	0 std	FALSE
6/22/2016	MW#03-2	ph	6.75	0 std	FALSE
12/20/2016	MW#03-2	ph	6.36	0 std	FALSE
6/6/2017	MW#03-2	ph	6.73	0 std	FALSE
11/7/2017	MW#03-2	ph	6.22	0 std	FALSE
2/27/2018	MW#03-2	ph	6.47	0 std	FALSE
9/19/2018	MW#03-2	ph	6.63	0 std	FALSE
5/7/2019	MW#03-2	ph	6.81	0 std	FALSE
11/21/2019	MW#03-2	ph	6.56	0 std	FALSE
6/25/2020	MW#03-2	ph	6.65	0 std	FALSE
11/17/2020	MW#03-2	ph	6.64	0 std	FALSE
5/26/2021	MW#03-2	ph	6.54	0 std	FALSE
11/17/2021	MW#03-2	ph	6.92	0 std	FALSE

4/7/2022	MW#03-2	ph	6.74	0	std	FALSE
11/17/2020	MW#03-2	RADIUM COMBINED	3.586	0	mg/l	FALSE
5/26/2021	MW#03-2	RADIUM COMBINED	0.41	0	mg/l	FALSE
11/17/2021	MW#03-2	RADIUM COMBINED	0.804	0	mg/l	FALSE
11/21/2019	MW#03-2	Radium Combined	0.394	1	pCi/L	FALSE
12/20/2018	MW#03-2	Radium Combined	1.01	1	pCi/L	FALSE
11/20/2018	MW#03-2	Radium Combined	1.39	1	pCi/L	FALSE
10/18/2018	MW#03-2	Radium Combined	0.939	1	pCi/L	FALSE
9/19/2018	MW#03-2	Radium Combined	0.34	1	pCi/L	FALSE
8/22/2018	MW#03-2	Radium Combined	0.515	1	pCi/L	FALSE
7/19/2018	MW#03-2	Radium Combined	2.55	1	pCi/L	FALSE
6/22/2018	MW#03-2	Radium Combined	0.108	1	pCi/L	FALSE
5/24/2018	MW#03-2	Radium Combined	1.24	1	pCi/L	FALSE
6/25/2020	MW#03-2	RADIUM COMBINED	0.949	0	pCi/L	FALSE
4/8/2022	MW#03-2	RADIUM COMBINED	2.337	0	pCi/L	FALSE
5/24/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
6/19/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
7/19/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
8/22/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
9/19/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
10/18/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
11/20/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
12/20/2018	MW#03-2	Selenium	0	0.005	mg/L	TRUE
11/21/2019	MW#03-2	Selenium	0	0.005	mg/L	TRUE
6/25/2020	MW#03-2	SELENIUM	0	0.002	mg/L	TRUE
11/17/2020	MW#03-2	SELENIUM	0	0.002	mg/l	TRUE
5/26/2021	MW#03-2	SELENIUM	0	0.002	mg/l	TRUE
11/17/2021	MW#03-2	SELENIUM	0	0.002	mg/l	TRUE
4/8/2022	MW#03-2	SELENIUM	0	0.002	mg/l	TRUE
6/24/2004	MW#03-2	Sodium	47.4	0	mg/l	FALSE
9/15/2004	MW#03-2	Sodium	8.7	0	mg/l	FALSE
12/15/2004	MW#03-2	Sodium	51.3	0	mg/l	FALSE
3/16/2005	MW#03-2	Sodium	47	0	mg/l	FALSE
6/15/2005	MW#03-2	Sodium	42.8	0	mg/l	FALSE
9/21/2005	MW#03-2	Sodium	52.6	0	mg/l	FALSE
12/21/2005	MW#03-2	Sodium	46.5	0	mg/l	FALSE
3/15/2006	MW#03-2	Sodium	50.4	0	mg/l	FALSE
6/21/2006	MW#03-2	Sodium	44.9	0	mg/l	FALSE
12/20/2006	MW#03-2	Sodium	50.5	0	mg/l	FALSE
6/12/2007	MW#03-2	Sodium	47	0	mg/l	FALSE
12/17/2007	MW#03-2	Sodium	50.2	0	mg/l	FALSE
6/11/2008	MW#03-2	Sodium	33.8	0	mg/l	FALSE
12/3/2008	MW#03-2	Sodium	54.4	0	mg/l	FALSE
6/17/2009	MW#03-2	Sodium	48.2	0	mg/l	FALSE
12/9/2009	MW#03-2	Sodium	47.3	0	mg/l	FALSE
6/17/2010	MW#03-2	Sodium	52.9	0	mg/l	FALSE
12/22/2010	MW#03-2	Sodium	51.7	0	mg/l	FALSE
6/29/2011	MW#03-2	Sodium	51	0	mg/l	FALSE
12/7/2011	MW#03-2	Sodium	60.1	0	mg/l	FALSE
6/6/2012	MW#03-2	Sodium	52	0	mg/l	FALSE
12/12/2012	MW#03-2	Sodium	61.3	0	mg/l	FALSE
6/19/2013	MW#03-2	Sodium	57.3	0	mg/l	FALSE
12/11/2013	MW#03-2	Sodium	54	0	mg/l	FALSE
6/11/2014	MW#03-2	Sodium	9.78	0	mg/l	FALSE

12/3/2014	MW#03-2	Sodium	68	0	mg/l	FALSE		
6/17/2015	MW#03-2	Sodium	66.3	0	mg/l	FALSE		
12/1/2015	MW#03-2	Sodium	63.8	0	mg/l	FALSE		
6/22/2016	MW#03-2	Sodium	76.8	0	mg/l	FALSE		
12/20/2016	MW#03-2	Sodium	80.2	0	mg/l	FALSE		
6/6/2017	MW#03-2	Sodium	96.8	2	mg/l	FALSE		
11/7/2017	MW#03-2	Sodium	120	5	mg/l	FALSE		
2/27/2018	MW#03-2	Sodium	104	0	mg/l	FALSE		
9/27/2018	MW#03-2	Sodium	128	0	mg/l	FALSE		
5/7/2019	MW#03-2	Sodium	138	0	mg/l	FALSE		
11/21/2019	MW#03-2	Sodium	166	0	mg/l	FALSE		
6/25/2020	MW#03-2	SODIUM	165	0	mg/l	FALSE		
11/17/2020	MW#03-2	SODIUM	162	0	mg/l	FALSE		
5/26/2021	MW#03-2	SODIUM	166	2	mg/l	FALSE		
11/17/2021	MW#03-2	SODIUM	169	2	mg/l	FALSE		
4/8/2022	MW#03-2	SODIUM	161	2	mg/l	FALSE		
11/17/2020	MW#03-2	SPECIFIC CONDUCTANCE	2390	0	mg/l	FALSE		
6/24/2004	MW#03-2	Specific Conductance	692	0	std	FALSE		
9/15/2004	MW#03-2	Specific Conductance	522	0	std	FALSE		
12/15/2004	MW#03-2	Specific Conductance	655	0	std	FALSE		
3/16/2005	MW#03-2	Specific Conductance	661	0	std	FALSE		
6/15/2005	MW#03-2	Specific Conductance	674	0	std	FALSE		
9/21/2005	MW#03-2	Specific Conductance	625	0	std	FALSE		
12/21/2005	MW#03-2	Specific Conductance	572	0	std	FALSE		
3/15/2006	MW#03-2	Specific Conductance	594	0	std	FALSE		
6/21/2006	MW#03-2	Specific Conductance	636	0	std	FALSE		
12/20/2006	MW#03-2	Specific Conductance	580	0	std	FALSE		
6/12/2007	MW#03-2	Specific Conductance	680	0	std	FALSE		
12/17/2007	MW#03-2	Specific Conductance	617	0	std	FALSE		
6/11/2008	MW#03-2	Specific Conductance	674	0	std	FALSE		
12/3/2008	MW#03-2	Specific Conductance	752	0	std	FALSE		
6/17/2009	MW#03-2	Specific Conductance	720	0	std	FALSE		
12/9/2009	MW#03-2	Specific Conductance	690	0	std	FALSE		
6/17/2010	MW#03-2	Specific Conductance	685	0	std	FALSE		
12/22/2010	MW#03-2	Specific Conductance	728	0	std	FALSE		
6/29/2011	MW#03-2	Specific Conductance	748	0	std	FALSE		
12/7/2011	MW#03-2	Specific Conductance	755	0	std	FALSE		
6/6/2012	MW#03-2	Specific Conductance	716	0	std	FALSE		
12/12/2012	MW#03-2	Specific Conductance	807	0	std	FALSE		
6/19/2013	MW#03-2	Specific Conductance	807	0	std	FALSE		
12/11/2013	MW#03-2	Specific Conductance	805	0	std	FALSE		
6/11/2014	MW#03-2	Specific Conductance	219	0	std	FALSE		
12/3/2014	MW#03-2	Specific Conductance	1540		1 umhos/cm	FALSE		
6/17/2015	MW#03-2	Specific Conductance	965	1	umhos/cm	FALSE		
12/1/2015	MW#03-2	Specific Conductance	967	1	umhos/cm	FALSE		
6/22/2016	MW#03-2	Specific Conductance	1074		1 umhos/cm	FALSE		
12/20/2016	MW#03-2	Specific Conductance	1454		1 umhos/cm	FALSE		
6/6/2017	MW#03-2	Specific Conductance	1498	1	umhos/cm	FALSE		
11/7/2017	MW#03-2	Specific Conductance	2042		1 umhos/cm	FALSE		
9/6/2018	MW#03-2	Specific Conductance	2620	10	umhos/cm	FALSE		
9/19/2018	MW#03-2	Specific Conductance	2880		1 umhos/cm	FALSE		
5/7/2019	MW#03-2	Specific Conductance	2730	4	umhos/cm	FALSE		
11/21/2019	MW#03-2	Specific Conductance	3600		5 umhos/cm	FALSE		
6/25/2020	MW#03-2	SPECIFIC CONDUCTANCE	2590	0	umhos/cm	FALSE		

5/26/2021	MW#03-2	SPECIFIC CONDUCTANCE	2620	10	umhos/cm	FALSE
11/17/2021	MW#03-2	SPECIFIC CONDUCTANCE	2700	10	umhos/cm	FALSE
4/8/2022	MW#03-2	SPECIFIC CONDUCTANCE	115	10	umhos/cm	FALSE
6/24/2004	MW#03-2	Sulfate	72	0	mg/l	FALSE
9/15/2004	MW#03-2	Sulfate	32	0	mg/l	FALSE
12/15/2004	MW#03-2	Sulfate	54	0	mg/l	FALSE
3/16/2005	MW#03-2	Sulfate	78	0	mg/l	FALSE
6/15/2005	MW#03-2	Sulfate	23	0	mg/l	FALSE
9/21/2005	MW#03-2	Sulfate	80	0	mg/l	FALSE
12/21/2005	MW#03-2	Sulfate	72	0	mg/l	FALSE
3/15/2006	MW#03-2	Sulfate	30	0	mg/l	FALSE
12/20/2006	MW#03-2	Sulfate	34	0	mg/l	FALSE
6/12/2007	MW#03-2	Sulfate	68	0	mg/l	FALSE
12/17/2007	MW#03-2	Sulfate	130	0	mg/l	FALSE
6/11/2008	MW#03-2	Sulfate	67	0	mg/l	FALSE
12/3/2008	MW#03-2	Sulfate	210	0	mg/l	FALSE
6/17/2009	MW#03-2	Sulfate	84	0	mg/l	FALSE
12/9/2009	MW#03-2	Sulfate	80	0	mg/l	FALSE
6/17/2010	MW#03-2	Sulfate	106	0	mg/l	FALSE
12/22/2010	MW#03-2	Sulfate	98.9	0	mg/l	FALSE
6/29/2011	MW#03-2	Sulfate	101	0	mg/l	FALSE
12/7/2011	MW#03-2	Sulfate	98.8	0	mg/l	FALSE
6/6/2012	MW#03-2	Sulfate	107	0	mg/l	FALSE
12/12/2012	MW#03-2	Sulfate	111	0	mg/l	FALSE
6/19/2013	MW#03-2	Sulfate	113	0	mg/l	FALSE
12/11/2013	MW#03-2	Sulfate	106	0	mg/l	FALSE
6/11/2014	MW#03-2	Sulfate	10.3	0	mg/l	FALSE
12/3/2014	MW#03-2	Sulfate	158	5	mg/l	FALSE
6/17/2015	MW#03-2	Sulfate	179	5	mg/l	FALSE
12/1/2015	MW#03-2	Sulfate	197	12	mg/l	FALSE
6/22/2016	MW#03-2	Sulfate	254	12	mg/l	FALSE
12/20/2016	MW#03-2	Sulfate	451	12	mg/l	FALSE
6/6/2017	MW#03-2	Sulfate	332	12	mg/l	FALSE
11/7/2017	MW#03-2	Sulfate	516	5	mg/l	FALSE
2/27/2018	MW#03-2	Sulfate	468	5	mg/l	FALSE
9/27/2018	MW#03-2	Sulfate	426	50	mg/l	FALSE
5/7/2019	MW#03-2	Sulfate	29.6	5	mg/l	FALSE
11/21/2019	MW#03-2	Sulfate	394	50	mg/l	FALSE
6/25/2020	MW#03-2	SULFATE	409	0	mg/l	FALSE
11/17/2020	MW#03-2	SULFATE	377	0	mg/l	FALSE
5/26/2021	MW#03-2	SULFATE	421	50	mg/l	FALSE
11/17/2021	MW#03-2	SULFATE	457	50	mg/l	FALSE
4/8/2022	MW#03-2	SULFATE	371	50	mg/l	FALSE
5/24/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
6/19/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
7/19/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
8/22/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
9/19/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
10/18/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
11/20/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
12/20/2018	MW#03-2	Thallium	0	0.01	mg/L	TRUE
11/21/2019	MW#03-2	Thallium	0	0.001	mg/L	TRUE
2/11/2020	MW#03-2	Thallium	0	0.01	mg/L	TRUE
6/25/2020	MW#03-2	THALLIUM	0	0.001	mg/L	TRUE

11/17/2020	MW#03-2	THALLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#03-2	THALLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#03-2	THALLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#03-2	THALLIUM	0	0.001	mg/L	TRUE
9/27/2018	MW#03-2	Total Dissolved Solids	1630	10	mg/L	FALSE
5/7/2019	MW#03-2	Total Dissolved Solids	1240	10	mg/L	FALSE
11/21/2019	MW#03-2	Total Dissolved Solids	1760	20	mg/L	FALSE
6/25/2020	MW#03-2	Total Dissolved Solids	1940	0	mg/L	FALSE
11/17/2020	MW#03-2	Total Dissolved Solids	1770	0	mg/l	FALSE
5/26/2021	MW#03-2	Total Dissolved Solids	1790	25	mg/l	FALSE
11/17/2021	MW#03-2	Total Dissolved Solids	1490	10	mg/l	FALSE
4/8/2022	MW#03-2	Total Dissolved Solids	1720	10	mg/L	FALSE
12/15/1994	MW#93-1	Alkalinity	367	0	mg/l	FALSE
12/14/1995	MW#93-1	Alkalinity	334	0	mg/l	FALSE
3/6/1996	MW#93-1	Alkalinity	384	0	mg/l	FALSE
4/25/1996	MW#93-1	Alkalinity	363	0	mg/l	FALSE
10/2/1996	MW#93-1	Alkalinity	365	0	mg/l	FALSE
12/10/1996	MW#93-1	Alkalinity	346	0	mg/l	FALSE
3/11/1997	MW#93-1	Alkalinity	350	0	mg/l	FALSE
4/15/1997	MW#93-1	Alkalinity	330	0	mg/l	FALSE
8/14/1997	MW#93-1	Alkalinity	400	0	mg/l	FALSE
12/4/1997	MW#93-1	Alkalinity	380	0	mg/l	FALSE
3/31/1998	MW#93-1	Alkalinity	360	0	mg/l	FALSE
6/23/1998	MW#93-1	Alkalinity	390	0	mg/l	FALSE
8/11/1998	MW#93-1	Alkalinity	389	0	mg/l	FALSE
12/8/1998	MW#93-1	Alkalinity	376	0	mg/l	FALSE
3/9/1999	MW#93-1	Alkalinity	340	0	mg/l	FALSE
6/8/1999	MW#93-1	Alkalinity	395	0	mg/l	FALSE
8/19/1999	MW#93-1	Alkalinity	400	0	mg/l	FALSE
12/14/1999	MW#93-1	Alkalinity	360	0	mg/l	FALSE
3/7/2000	MW#93-1	Alkalinity	384	0	mg/l	FALSE
6/23/2000	MW#93-1	Alkalinity	364	0	mg/l	FALSE
12/12/2000	MW#93-1	Alkalinity	450	0	mg/l	FALSE
3/27/2001	MW#93-1	Alkalinity	362	0	mg/l	FALSE
6/28/2001	MW#93-1	Alkalinity	340	0	mg/l	FALSE
9/10/2001	MW#93-1	Alkalinity	326	0	mg/l	FALSE
12/18/2001	MW#93-1	Alkalinity	326	0	mg/l	FALSE
3/19/2002	MW#93-1	Alkalinity	330	0	mg/l	FALSE
6/26/2002	MW#93-1	Alkalinity	350	0	mg/l	FALSE
9/18/2002	MW#93-1	Alkalinity	353	0	mg/l	FALSE
12/11/2002	MW#93-1	Alkalinity	344	0	mg/l	FALSE
3/13/2003	MW#93-1	Alkalinity	320	0	mg/l	FALSE
6/25/2003	MW#93-1	Alkalinity	336	0	mg/l	FALSE
9/26/2003	MW#93-1	Alkalinity	320	0	mg/l	FALSE
12/10/2003	MW#93-1	Alkalinity	324	0	mg/l	FALSE
3/9/2004	MW#93-1	Alkalinity	329	0	mg/l	FALSE
6/24/2004	MW#93-1	Alkalinity	348	0	mg/l	FALSE
9/15/2004	MW#93-1	Alkalinity	332	0	mg/l	FALSE
12/15/2004	MW#93-1	Alkalinity	327	0	mg/l	FALSE
3/16/2005	MW#93-1	Alkalinity	340	0	mg/l	FALSE
6/15/2005	MW#93-1	Alkalinity	330	0	mg/l	FALSE
9/21/2005	MW#93-1	Alkalinity	347	0	mg/l	FALSE
12/21/2005	MW#93-1	Alkalinity	340	0	mg/l	FALSE
3/15/2006	MW#93-1	Alkalinity	320	0	mg/l	FALSE

6/21/2006	MW#93-1	Alkalinity	314	0	mg/l	FALSE
12/20/2006	MW#93-1	Alkalinity	300	0	mg/l	FALSE
6/12/2007	MW#93-1	Alkalinity	310	0	mg/l	FALSE
12/17/2007	MW#93-1	Alkalinity	330	0	mg/l	FALSE
6/11/2008	MW#93-1	Alkalinity	370	0	mg/l	FALSE
12/3/2008	MW#93-1	Alkalinity	344	0	mg/l	FALSE
6/17/2009	MW#93-1	Alkalinity	350	0	mg/l	FALSE
12/9/2009	MW#93-1	Alkalinity	370	0	mg/l	FALSE
6/17/2010	MW#93-1	Alkalinity	380	0	mg/l	FALSE
12/22/2010	MW#93-1	Alkalinity	370	0	mg/l	FALSE
6/29/2011	MW#93-1	Alkalinity	366	0	mg/l	FALSE
12/7/2011	MW#93-1	Alkalinity	370	0	mg/l	FALSE
6/6/2012	MW#93-1	Alkalinity	384	0	mg/l	FALSE
12/12/2012	MW#93-1	Alkalinity	330	0	mg/l	FALSE
6/19/2013	MW#93-1	Alkalinity	360	0	mg/l	FALSE
12/11/2013	MW#93-1	Alkalinity	358	0	mg/l	FALSE
6/11/2014	MW#93-1	Alkalinity	342	0	mg/l	FALSE
12/3/2014	MW#93-1	Alkalinity	368	2	mg/l	FALSE
6/17/2015	MW#93-1	Alkalinity	380	2	mg/l	FALSE
12/1/2015	MW#93-1	Alkalinity	383	10	mg/l	FALSE
6/22/2016	MW#93-1	Alkalinity	390	10	mg/l	FALSE
12/20/2016	MW#93-1	Alkalinity	395.4	10	mg/l	FALSE
6/6/2017	MW#93-1	Alkalinity	398	10	mg/l	FALSE
11/7/2017	MW#93-1	Alkalinity	394	2	mg/l	FALSE
2/27/2018	MW#93-1	Alkalinity	384	2	mg/l	FALSE
9/27/2018	MW#93-1	Alkalinity	360	12	mg/l	FALSE
5/7/2019	MW#93-1	Alkalinity	550	12	mg/l	FALSE
11/21/2019	MW#93-1	Alkalinity	480	12	mg/l	FALSE
6/25/2020	MW#93-1	ALKALINITY	542	0	mg/l	FALSE
11/17/2020	MW#93-1	ALKALINITY	473	0	mg/l	FALSE
5/26/2021	MW#93-1	ALKALINITY	441	0	mg/l	FALSE
11/17/2021	MW#93-1	ALKALINITY	393	0	mg/l	FALSE
4/8/2022	MW#93-1	ALKALINITY	406	20	mg/l	FALSE
11/21/2019	MW#93-1	Antimony	0	0.01	mg/L	TRUE
12/20/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
11/20/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
10/18/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
9/19/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
8/22/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
7/19/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
6/19/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
5/24/2018	MW#93-1	Antimony	0	0.01	mg/L	TRUE
6/25/2020	MW#93-1	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2020	MW#93-1	ANTIMONY	0	0.005	mg/l	TRUE
5/26/2021	MW#93-1	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2021	MW#93-1	ANTIMONY	0	0.005	mg/l	TRUE
4/8/2022	MW#93-1	ANTIMONY	0	0.005	mg/L	TRUE
6/12/2007	MW#93-1	Arsenic	0.0109	0	mg/L	FALSE
12/17/2007	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/11/2008	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/3/2008	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/17/2009	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/9/2009	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/17/2010	MW#93-1	Arsenic	0	0.005	mg/L	TRUE

12/22/2010	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/29/2011	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/7/2011	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/6/2012	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/12/2012	MW#93-1	Arsenic	0.0068	0	mg/L	FALSE
6/19/2013	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/11/2013	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/11/2014	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/3/2014	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/17/2015	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/1/2015	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/22/2016	MW#93-1	Arsenic	0	0	mg/L	FALSE
12/20/2016	MW#93-1	Arsenic	0	0.0005	mg/L	TRUE
6/6/2017	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
11/7/2017	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
2/27/2018	MW#93-1	Arsenic	0.006	0	mg/L	FALSE
5/24/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
6/19/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
7/19/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
8/22/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
9/19/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
9/27/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
10/18/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
11/20/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
12/20/2018	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
5/7/2019	MW#93-1	Arsenic	0	0.005	mg/L	TRUE
11/21/2019	MW#93-1	Arsenic	0	0.001	mg/L	TRUE
6/25/2020	MW#93-1	Arsenic	0.000405	0	mg/l	FALSE
11/17/2020	MW#93-1	Arsenic	0.000336	0	mg/l	FALSE
5/26/2021	MW#93-1	Arsenic	0.000268	0	mg/l	FALSE
11/17/2021	MW#93-1	Arsenic	0.000277	0.001	mg/l	FALSE
4/8/2022	MW#93-1	ARSENIC	0.000291	0.001	mg/l	FALSE
5/24/2018	MW#93-1	Barium	0.0246	0	mg/L	FALSE
6/19/2018	MW#93-1	Barium	0.0239	0	mg/L	FALSE
7/19/2018	MW#93-1	Barium	0.0202	0	mg/L	FALSE
8/22/2018	MW#93-1	Barium	0.0152	0	mg/L	FALSE
9/19/2018	MW#93-1	Barium	0.0267	0	mg/L	FALSE
10/18/2018	MW#93-1	Barium	0.0213	0	mg/L	FALSE
11/20/2018	MW#93-1	Barium	0.0267	0	mg/L	FALSE
12/20/2018	MW#93-1	Barium	0.0175	0	mg/L	FALSE
11/21/2019	MW#93-1	Barium	0.0321	0	mg/L	FALSE
6/25/2020	MW#93-1	BARIUM	0.0283	0	mg/l	FALSE
11/17/2020	MW#93-1	BARIUM	0.0405	0	mg/l	FALSE
5/26/2021	MW#93-1	BARIUM	0.0132	0	mg/l	FALSE
11/17/2021	MW#93-1	BARIUM	0.0173	0	mg/l	FALSE
4/8/2022	MW#93-1	BARIUM	0.0199	0.005	mg/l	FALSE
5/24/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-1	Beryllium	0	0.01	mg/L	TRUE

11/21/2019	MW#93-1	Beryllium	0	0.01 mg/L	TRUE
6/25/2020	MW#93-1	BERYLLIUM	0	0.001 mg/L	TRUE
11/17/2020	MW#93-1	BERYLLIUM	0	0.001 mg/l	TRUE
5/26/2021	MW#93-1	BERYLLIUM	0	0.001 mg/l	TRUE
11/17/2021	MW#93-1	BERYLLIUM	0	0.001 mg/l	TRUE
4/8/2022	MW#93-1	BERYLLIUM	0	0.001 mg/L	TRUE
10/11/2016	MW#93-1	Boron	0.429	0 mg/L	FALSE
12/20/2016	MW#93-1	Boron	0.386	0 mg/L	FALSE
2/16/2017	MW#93-1	Boron	0.341	0 mg/L	FALSE
3/8/2017	MW#93-1	Boron	0.348	0 mg/L	FALSE
5/9/2017	MW#93-1	Boron	0.366	0 mg/L	FALSE
6/6/2017	MW#93-1	Boron	0.371	0 mg/L	FALSE
8/22/2017	MW#93-1	Boron	0.458	0 mg/L	FALSE
9/22/2017	MW#93-1	Boron	0.499	0 mg/L	FALSE
11/7/2017	MW#93-1	Boron	0.46	0 mg/L	FALSE
2/27/2018	MW#93-1	Boron	0.33	0 mg/L	FALSE
9/27/2018	MW#93-1	Boron	0.386	0 mg/L	FALSE
5/7/2019	MW#93-1	Boron	0.178	0 mg/L	FALSE
11/21/2019	MW#93-1	Boron	0.303	0 mg/L	FALSE
6/25/2020	MW#93-1	BORON	0.185	0 mg/l	FALSE
11/17/2020	MW#93-1	BORON	0.211	0.2 mg/l	FALSE
5/26/2021	MW#93-1	BORON	0.227	0.2 mg/l	FALSE
11/17/2021	MW#93-1	BORON	0.322	0.2 mg/l	FALSE
4/8/2022	MW#93-1	BORON	0.321	0.2 mg/l	FALSE
5/24/2018	MW#93-1	Cadmium	0	0.001 mg/L	TRUE
6/19/2018	MW#93-1	Cadmium	0	0.001 mg/L	TRUE
7/19/2018	MW#93-1	Cadmium	0	0.001 mg/L	TRUE
8/22/2018	MW#93-1	Cadmium	0	0.001 mg/L	TRUE
9/19/2018	MW#93-1	Cadmium	0	0.00117 mg/L	TRUE
10/18/2018	MW#93-1	Cadmium	0	0.001 mg/L	TRUE
11/20/2018	MW#93-1	Cadmium	0.00125	0 mg/L	FALSE
12/20/2018	MW#93-1	Cadmium	0	0.001 mg/L	TRUE
11/21/2019	MW#93-1	Cadmium	0.00112	0 mg/L	FALSE
6/25/2020	MW#93-1	CADMIUM	0.000369	0 mg/L	FALSE
11/17/2020	MW#93-1	CADMIUM	0.000541	0.001 mg/l	FALSE
5/26/2021	MW#93-1	CADMIUM	0	0.001 mg/l	TRUE
11/17/2021	MW#93-1	CADMIUM	0.00043	0.001 mg/l	FALSE
4/8/2022	MW#93-1	CADMIUM	0.000376	0.001 mg/l	FALSE
6/6/2012	MW#93-1	Calcium	484	0.5 mg/L	FALSE
12/12/2012	MW#93-1	Calcium	560	0.5 mg/L	FALSE
6/19/2013	MW#93-1	Calcium	670	0.5 mg/L	FALSE
12/11/2013	MW#93-1	Calcium	549	0.5 mg/L	FALSE
6/11/2014	MW#93-1	Calcium	192	0.5 mg/L	FALSE
12/3/2014	MW#93-1	Calcium	213	0.5 mg/L	FALSE
6/17/2015	MW#93-1	Calcium	184	0.5 mg/L	FALSE
12/1/2015	MW#93-1	Calcium	199	0.5 mg/L	FALSE
6/22/2016	MW#93-1	Calcium	205	0.5 mg/L	FALSE
12/20/2016	MW#93-1	Calcium	202	0.5 mg/L	FALSE
6/6/2017	MW#93-1	Calcium	206	0.5 mg/L	FALSE
11/7/2017	MW#93-1	Calcium	212	0.5 mg/L	FALSE
2/27/2018	MW#93-1	Calcium	211	0.5 mg/L	FALSE
9/27/2018	MW#93-1	Calcium	240	0.5 mg/L	FALSE
11/20/2018	MW#93-1	Calcium	0	0.5 mg/L	TRUE
5/7/2019	MW#93-1	Calcium	212	0.5 mg/L	FALSE

11/21/2019	MW#93-1	Calcium	228	0.5	mg/L	FALSE
6/25/2020	MW#93-1	CALCIUM	210	0	mg/L	FALSE
11/17/2020	MW#93-1	CALCIUM	212	0	mg/l	FALSE
5/26/2021	MW#93-1	CALCIUM	179	1	mg/l	FALSE
11/17/2021	MW#93-1	CALCIUM	210	1	mg/l	FALSE
4/8/2022	MW#93-1	CALCIUM	227	1	mg/l	FALSE
12/15/1994	MW#93-1	Chloride	30	0	mg/l	FALSE
3/14/1995	MW#93-1	Chloride	38	0	mg/l	FALSE
6/21/1995	MW#93-1	Chloride	37	0	mg/l	FALSE
12/14/1995	MW#93-1	Chloride	24	0	mg/l	FALSE
3/6/1996	MW#93-1	Chloride	20	0	mg/l	FALSE
4/25/1996	MW#93-1	Chloride	32	0	mg/l	FALSE
10/2/1996	MW#93-1	Chloride	40	0	mg/l	FALSE
12/10/1996	MW#93-1	Chloride	30	0	mg/l	FALSE
3/11/1997	MW#93-1	Chloride	4	0	mg/l	FALSE
4/15/1997	MW#93-1	Chloride	28	0	mg/l	FALSE
8/14/1997	MW#93-1	Chloride	33	0	mg/l	FALSE
12/4/1997	MW#93-1	Chloride	29	0	mg/l	FALSE
3/31/1998	MW#93-1	Chloride	30	0	mg/l	FALSE
6/23/1998	MW#93-1	Chloride	37	0	mg/l	FALSE
8/11/1998	MW#93-1	Chloride	24	0	mg/l	FALSE
12/8/1998	MW#93-1	Chloride	31	0	mg/l	FALSE
3/9/1999	MW#93-1	Chloride	30	0	mg/l	FALSE
6/8/1999	MW#93-1	Chloride	35	0	mg/l	FALSE
8/19/1999	MW#93-1	Chloride	40	0	mg/l	FALSE
12/14/1999	MW#93-1	Chloride	40	0	mg/l	FALSE
3/7/2000	MW#93-1	Chloride	50	0	mg/l	FALSE
6/23/2000	MW#93-1	Chloride	52	0	mg/l	FALSE
12/12/2000	MW#93-1	Chloride	54	0	mg/l	FALSE
3/27/2001	MW#93-1	Chloride	60	0	mg/l	FALSE
6/28/2001	MW#93-1	Chloride	58	0	mg/l	FALSE
9/10/2001	MW#93-1	Chloride	46	0	mg/l	FALSE
12/18/2001	MW#93-1	Chloride	46	0	mg/l	FALSE
3/19/2002	MW#93-1	Chloride	42	0	mg/l	FALSE
6/26/2002	MW#93-1	Chloride	51	0	mg/l	FALSE
9/18/2002	MW#93-1	Chloride	57	0	mg/l	FALSE
12/11/2002	MW#93-1	Chloride	56	0	mg/l	FALSE
3/13/2003	MW#93-1	Chloride	56	0	mg/l	FALSE
6/25/2003	MW#93-1	Chloride	63	0	mg/l	FALSE
9/26/2003	MW#93-1	Chloride	59	0	mg/l	FALSE
12/10/2003	MW#93-1	Chloride	40	0	mg/l	FALSE
3/9/2004	MW#93-1	Chloride	58	0	mg/l	FALSE
6/24/2004	MW#93-1	Chloride	61	0	mg/l	FALSE
9/15/2004	MW#93-1	Chloride	44	0	mg/l	FALSE
12/15/2004	MW#93-1	Chloride	48	0	mg/l	FALSE
3/16/2005	MW#93-1	Chloride	42	0	mg/l	FALSE
6/15/2005	MW#93-1	Chloride	42	0	mg/l	FALSE
9/21/2005	MW#93-1	Chloride	42	0	mg/l	FALSE
12/21/2005	MW#93-1	Chloride	58	0	mg/l	FALSE
3/15/2006	MW#93-1	Chloride	50	0	mg/l	FALSE
6/21/2006	MW#93-1	Chloride	31	0	mg/l	FALSE
12/20/2006	MW#93-1	Chloride	35	0	mg/l	FALSE
6/12/2007	MW#93-1	Chloride	24	0	mg/l	FALSE
12/17/2007	MW#93-1	Chloride	27	0	mg/l	FALSE

6/11/2008	MW#93-1 Chloride	29	0	mg/l	FALSE
12/3/2008	MW#93-1 Chloride	28	0	mg/l	FALSE
6/17/2009	MW#93-1 Chloride	20	0	mg/l	FALSE
12/9/2009	MW#93-1 Chloride	24	0	mg/l	FALSE
6/17/2010	MW#93-1 Chloride	17	0	mg/l	FALSE
12/22/2010	MW#93-1 Chloride	20	0	mg/l	FALSE
6/29/2011	MW#93-1 Chloride	20.8	0	mg/l	FALSE
12/7/2011	MW#93-1 Chloride	17.6	0	mg/l	FALSE
6/6/2012	MW#93-1 Chloride	23.8	0	mg/l	FALSE
12/12/2012	MW#93-1 Chloride	22.2	0	mg/l	FALSE
6/19/2013	MW#93-1 Chloride	21.5	0	mg/l	FALSE
12/11/2013	MW#93-1 Chloride	17.6	0	mg/l	FALSE
6/11/2014	MW#93-1 Chloride	19.3	0	mg/l	FALSE
12/3/2014	MW#93-1 Chloride	16.9	5	mg/l	FALSE
6/17/2015	MW#93-1 Chloride	13	5	mg/l	FALSE
12/1/2015	MW#93-1 Chloride	15.2	0	mg/l	FALSE
6/22/2016	MW#93-1 Chloride	13	0	mg/l	FALSE
12/20/2016	MW#93-1 Chloride	15.2	0	mg/l	FALSE
6/6/2017	MW#93-1 Chloride	16.1	0	mg/l	FALSE
11/7/2017	MW#93-1 Chloride	16.2	5	mg/l	FALSE
2/27/2018	MW#93-1 Chloride	15.6	5	mg/l	FALSE
9/27/2018	MW#93-1 Chloride	16.8	5	mg/l	FALSE
5/7/2019	MW#93-1 Chloride	18.8	5	mg/l	FALSE
11/21/2019	MW#93-1 Chloride	22	5	mg/l	FALSE
6/25/2020	MW#93-1 CHLORIDE	11	0	mg/l	FALSE
11/17/2020	MW#93-1 CHLORIDE	14.4	0	mg/l	FALSE
5/26/2021	MW#93-1 CHLORIDE	12.9	1	mg/l	FALSE
11/17/2021	MW#93-1 CHLORIDE	17.7	1	mg/l	FALSE
4/8/2022	MW#93-1 CHLORIDE	14.3	1	mg/l	FALSE
5/24/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-1 Chromium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-1 Chromium	0	0.01	mg/L	TRUE
6/25/2020	MW#93-1 CHROMIUM	0	0.02	mg/L	TRUE
11/17/2020	MW#93-1 CHROMIUM	0	0.02	mg/l	TRUE
5/26/2021	MW#93-1 CHROMIUM	0	0.02	mg/l	TRUE
11/17/2021	MW#93-1 CHROMIUM	0	0.02	mg/l	TRUE
4/8/2022	MW#93-1 CHROMIUM	0	0.02	mg/L	TRUE
11/21/2019	MW#93-1 Cobalt 0	0.006		mg/L	TRUE
12/20/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
11/20/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
10/18/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
9/19/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
8/22/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
7/19/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
6/19/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
5/24/2018	MW#93-1 Cobalt 0	0.01		mg/L	TRUE
6/25/2020	MW#93-1 COBALT 0	0.002		mg/L	TRUE
11/17/2020	MW#93-1 COBALT	0.000252	0.002	mg/l	FALSE

5/26/2021	MW#93-1 COBALT	0	0.002	mg/l	TRUE
11/17/2021	MW#93-1 COBALT	0	0.002	mg/l	TRUE
4/8/2022	MW#93-1 COBALT	0	0.002	mg/l	TRUE
10/11/2016	MW#93-1 Fluoride	0.1	0	mg/L	FALSE
12/20/2016	MW#93-1 Fluoride	0.2	0	mg/L	FALSE
2/16/2017	MW#93-1 Fluoride	0.16	0	mg/L	FALSE
3/8/2017	MW#93-1 Fluoride	0.19	0	mg/L	FALSE
5/9/2017	MW#93-1 Fluoride	0.13	0	mg/L	FALSE
6/6/2017	MW#93-1 Fluoride	0.14	0	mg/L	FALSE
8/22/2017	MW#93-1 Fluoride	0.1	0	mg/L	FALSE
9/22/2017	MW#93-1 Fluoride	0.11	0	mg/L	FALSE
11/7/2017	MW#93-1 Fluoride	0.12	0	mg/L	FALSE
2/27/2018	MW#93-1 Fluoride	0.16	0	mg/L	FALSE
5/24/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
6/19/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
7/19/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
8/22/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
9/19/2018	MW#93-1 Fluoride	0.243	0	mg/L	FALSE
9/27/2018	MW#93-1 Fluoride	0	0.1	mg/L	TRUE
10/18/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
11/20/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
12/20/2018	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
5/7/2019	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
11/21/2019	MW#93-1 Fluoride	0	0.2	mg/L	TRUE
6/25/2020	MW#93-1 FLUORIDE	0.168	0	mg/L	FALSE
11/17/2020	MW#93-1 FLUORIDE	0.183	0	mg/l	FALSE
5/26/2021	MW#93-1 FLUORIDE	0.245	0.15	mg/l	FALSE
11/17/2021	MW#93-1 FLUORIDE	0.168	0.15	mg/l	FALSE
4/8/2022	MW#93-1 FLUORIDE	0.194	0.15	mg/l	FALSE
5/24/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
6/19/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
7/19/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
8/22/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
9/19/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
10/18/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
11/20/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
12/20/2018	MW#93-1 Lead	0	0.005	mg/L	TRUE
11/21/2019	MW#93-1 Lead	0	0.001	mg/L	TRUE
6/25/2020	MW#93-1 LEAD	0	0.002	mg/L	TRUE
11/17/2020	MW#93-1 LEAD	0	0.002	mg/l	TRUE
5/26/2021	MW#93-1 LEAD	0	0.002	mg/l	TRUE
11/17/2021	MW#93-1 LEAD	0	0.002	mg/l	TRUE
4/8/2022	MW#93-1 LEAD	0	0.002	mg/l	TRUE
5/24/2018	MW#93-1 Lithium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
7/19/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
8/22/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
9/19/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
10/18/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
11/20/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
12/20/2018	MW#93-1 Lithium	0	0.015	mg/L	TRUE
11/21/2019	MW#93-1 Lithium	0	0.015	mg/L	TRUE
6/25/2020	MW#93-1 LITHIUM	0	0.015	mg/l	TRUE
11/17/2020	MW#93-1 LITHIUM	0	0.015	mg/l	TRUE

5/26/2021	MW#93-1	LITHIUM	0	0.015	mg/l	TRUE
11/17/2021	MW#93-1	LITHIUM	0	0.015	mg/l	TRUE
4/8/2022	MW#93-1	LITHIUM	0.0236	0.015	mg/l	FALSE
5/24/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
6/19/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
7/19/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
8/22/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
9/19/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
10/18/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
11/20/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
12/20/2018	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
11/21/2019	MW#93-1	Mercury	0	0.00005	mg/L	TRUE
6/25/2020	MW#93-1	MERCURY	0	0.0002	mg/L	TRUE
11/17/2020	MW#93-1	MERCURY	0	0.0002	mg/l	TRUE
5/26/2021	MW#93-1	MERCURY	0	0.0002	mg/l	TRUE
11/17/2021	MW#93-1	MERCURY	0	0.0002	mg/l	TRUE
4/8/2022	MW#93-1	MERCURY	0	0.0002	mg/l	TRUE
5/24/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
6/19/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
7/19/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
8/22/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
9/19/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
10/18/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
11/20/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
12/20/2018	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
11/21/2019	MW#93-1	Molybdenum	0	0.01	mg/L	TRUE
6/25/2020	MW#93-1	MOLYBDENUM	0.00105	0	mg/L	FALSE
11/17/2020	MW#93-1	MOLYBDENUM	0.00113	0	mg/l	FALSE
5/26/2021	MW#93-1	MOLYBDENUM	0	0.005	mg/l	TRUE
11/17/2021	MW#93-1	MOLYBDENUM	0	0.005	mg/l	TRUE
4/8/2022	MW#93-1	MOLYBDENUM	0	0.005	mg/l	TRUE
12/15/1994	MW#93-1	ph	6.67	0	std	FALSE
3/14/1995	MW#93-1	ph	6.72	0	std	FALSE
6/21/1995	MW#93-1	ph	6.58	0	std	FALSE
12/14/1995	MW#93-1	ph	6.72	0	std	FALSE
3/6/1996	MW#93-1	ph	6.72	0	std	FALSE
4/25/1996	MW#93-1	ph	6.79	0	std	FALSE
10/2/1996	MW#93-1	ph	6.61	0	std	FALSE
12/10/1996	MW#93-1	ph	6.51	0	std	FALSE
3/11/1997	MW#93-1	ph	6.77	0	std	FALSE
4/15/1997	MW#93-1	ph	6.66	0	std	FALSE
8/14/1997	MW#93-1	ph	6.66	0	std	FALSE
12/4/1997	MW#93-1	ph	6.78	0	std	FALSE
3/31/1998	MW#93-1	ph	6.87	0	std	FALSE
6/23/1998	MW#93-1	ph	6.5	0	std	FALSE
8/11/1998	MW#93-1	ph	7.05	0	std	FALSE
12/8/1998	MW#93-1	ph	6.62	0	std	FALSE
3/9/1999	MW#93-1	ph	6.6	0	std	FALSE
6/8/1999	MW#93-1	ph	6.93	0	std	FALSE
8/19/1999	MW#93-1	ph	6.54	0	std	FALSE
12/14/1999	MW#93-1	ph	6.55	0	std	FALSE
3/7/2000	MW#93-1	ph	6.59	0	std	FALSE
6/23/2000	MW#93-1	ph	6.52	0	std	FALSE
12/12/2000	MW#93-1	ph	6.56	0	std	FALSE

3/27/2001	MW#93-1	ph	6.6	0	std	FALSE
6/28/2001	MW#93-1	ph	6.59	0	std	FALSE
9/10/2001	MW#93-1	ph	6.76	0	std	FALSE
12/18/2001	MW#93-1	ph	6.76	0	std	FALSE
3/19/2002	MW#93-1	ph	6.93	0	std	FALSE
6/26/2002	MW#93-1	ph	6.85	0	std	FALSE
9/18/2002	MW#93-1	ph	6.62	0	std	FALSE
12/11/2002	MW#93-1	ph	6.58	0	std	FALSE
3/13/2003	MW#93-1	ph	6.66	0	std	FALSE
6/25/2003	MW#93-1	ph	6.94	0	std	FALSE
9/26/2003	MW#93-1	ph	6.42	0	std	FALSE
12/10/2003	MW#93-1	ph	6.64	0	std	FALSE
3/9/2004	MW#93-1	ph	6.68	0	std	FALSE
6/24/2004	MW#93-1	ph	6.53	0	std	FALSE
9/15/2004	MW#93-1	ph	6.43	0	std	FALSE
12/15/2004	MW#93-1	ph	6.61	0	std	FALSE
3/16/2005	MW#93-1	ph	6.57	0	std	FALSE
6/15/2005	MW#93-1	ph	6.53	0	std	FALSE
9/21/2005	MW#93-1	ph	6.65	0	std	FALSE
12/21/2005	MW#93-1	ph	6.61	0	std	FALSE
3/15/2006	MW#93-1	ph	6.64	0	std	FALSE
6/21/2006	MW#93-1	ph	6.85	0	std	FALSE
12/20/2006	MW#93-1	ph	6.67	0	std	FALSE
6/12/2007	MW#93-1	ph	6.58	0	std	FALSE
12/17/2007	MW#93-1	ph	6.33	0	std	FALSE
6/11/2008	MW#93-1	ph	6.7	0	std	FALSE
12/3/2008	MW#93-1	ph	6.5	0	std	FALSE
6/17/2009	MW#93-1	ph	6.8	0	std	FALSE
12/9/2009	MW#93-1	ph	6.6	0	std	FALSE
6/17/2010	MW#93-1	ph	6.5	0	std	FALSE
12/22/2010	MW#93-1	ph	6.55	0	std	FALSE
6/29/2011	MW#93-1	ph	6.5	0	std	FALSE
12/7/2011	MW#93-1	ph	6.41	0	std	FALSE
6/6/2012	MW#93-1	ph	6.23	0	std	FALSE
12/12/2012	MW#93-1	ph	6.61	0	std	FALSE
6/19/2013	MW#93-1	ph	6.58	0	std	FALSE
12/11/2013	MW#93-1	ph	6.57	0	std	FALSE
6/11/2014	MW#93-1	ph	6.1	0	std	FALSE
12/3/2014	MW#93-1	ph	6.69	0	std	FALSE
6/17/2015	MW#93-1	ph	6.38	0	std	FALSE
12/1/2015	MW#93-1	ph	6.45	0	std	FALSE
6/22/2016	MW#93-1	ph	6.59	0	std	FALSE
12/20/2016	MW#93-1	ph	6.28	0	std	FALSE
6/6/2017	MW#93-1	ph	6.69	0	std	FALSE
11/7/2017	MW#93-1	ph	6.21	0	std	FALSE
2/27/2018	MW#93-1	ph	6.47	0	std	FALSE
9/19/2018	MW#93-1	ph	6.62	0	std	FALSE
5/7/2019	MW#93-1	ph	7	0	std	FALSE
11/21/2019	MW#93-1	ph	6.46	0	std	FALSE
6/26/2020	MW#93-1	ph	6.88	0	std	FALSE
11/17/2020	MW#93-1	ph	6.45	0	std	FALSE
5/26/2021	MW#93-1	ph	6.59	0	std	FALSE
11/17/2021	MW#93-1	ph	7.17	0	std	FALSE
4/7/2022	MW#93-1	ph	7.07	0	std	FALSE

11/17/2020	MW#93-1	RADIUM COMBINED	0.202	0	mg/l	FALSE
5/26/2021	MW#93-1	RADIUM COMBINED	0.99	0	mg/l	FALSE
11/17/2021	MW#93-1	RADIUM COMBINED	2.24	0	mg/l	FALSE
11/21/2019	MW#93-1	Radium Combined	0.872	2	pCi/L	FALSE
12/20/2018	MW#93-1	Radium Combined	0.735	1	pCi/L	FALSE
11/20/2018	MW#93-1	Radium Combined	0.785	1	pCi/L	FALSE
10/18/2018	MW#93-1	Radium Combined	1.19	1	pCi/L	FALSE
9/19/2018	MW#93-1	Radium Combined	0	1	pCi/L	FALSE
8/22/2018	MW#93-1	Radium Combined	0.32	1	pCi/L	FALSE
7/19/2018	MW#93-1	Radium Combined	0.117	1	pCi/L	FALSE
6/22/2018	MW#93-1	Radium Combined	0.0833	1	pCi/L	FALSE
5/24/2018	MW#93-1	Radium Combined	0.666	1	pCi/L	FALSE
6/25/2020	MW#93-1	RADIUM COMBINED	0.447	0	pCi/L	FALSE
4/8/2022	MW#93-1	RADIUM COMBINED	0	0	pCi/L	FALSE
5/24/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
6/19/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
7/19/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
8/22/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
9/19/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
10/18/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
11/20/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
12/20/2018	MW#93-1	Selenium	0	0.005	mg/L	TRUE
11/21/2019	MW#93-1	Selenium	0	0.005	mg/L	TRUE
6/25/2020	MW#93-1	SELENIUM	0	0.002	mg/L	TRUE
11/17/2020	MW#93-1	SELENIUM	0	0.002	mg/l	TRUE
5/26/2021	MW#93-1	SELENIUM	0	0.002	mg/l	TRUE
11/17/2021	MW#93-1	SELENIUM	0	0.002	mg/l	TRUE
4/8/2022	MW#93-1	SELENIUM	0	0.002	mg/l	TRUE
12/15/1994	MW#93-1	Sodium	54.7	0	mg/l	FALSE
12/14/1995	MW#93-1	Sodium	51.9	0	mg/l	FALSE
12/10/1996	MW#93-1	Sodium	51.6	0	mg/l	FALSE
12/4/1997	MW#93-1	Sodium	51.2	0	mg/l	FALSE
12/8/1998	MW#93-1	Sodium	47	0	mg/l	FALSE
12/14/1999	MW#93-1	Sodium	64.4	0	mg/l	FALSE
12/12/2000	MW#93-1	Sodium	100	0	mg/l	FALSE
3/19/2002	MW#93-1	Sodium	112	0	mg/l	FALSE
6/26/2002	MW#93-1	Sodium	95	0	mg/l	FALSE
9/18/2002	MW#93-1	Sodium	78	0	mg/l	FALSE
12/11/2002	MW#93-1	Sodium	83	0	mg/l	FALSE
3/13/2003	MW#93-1	Sodium	94	0	mg/l	FALSE
6/25/2003	MW#93-1	Sodium	113	0	mg/l	FALSE
9/26/2003	MW#93-1	Sodium	84.6	0	mg/l	FALSE
12/10/2003	MW#93-1	Sodium	98.1	0	mg/l	FALSE
3/9/2004	MW#93-1	Sodium	95.4	0	mg/l	FALSE
6/24/2004	MW#93-1	Sodium	94.7	0	mg/l	FALSE
9/15/2004	MW#93-1	Sodium	71	0	mg/l	FALSE
12/15/2004	MW#93-1	Sodium	92.3	0	mg/l	FALSE
3/16/2005	MW#93-1	Sodium	86.3	0	mg/l	FALSE
6/15/2005	MW#93-1	Sodium	77.4	0	mg/l	FALSE
9/21/2005	MW#93-1	Sodium	92.8	0	mg/l	FALSE
12/21/2005	MW#93-1	Sodium	81.9	0	mg/l	FALSE
3/15/2006	MW#93-1	Sodium	99.7	0	mg/l	FALSE
6/21/2006	MW#93-1	Sodium	82	0	mg/l	FALSE
12/20/2006	MW#93-1	Sodium	85.1	0	mg/l	FALSE

6/12/2007	MW#93-1	Sodium	74.9	0	mg/l	FALSE
12/17/2007	MW#93-1	Sodium	81.8	0	mg/l	FALSE
6/11/2008	MW#93-1	Sodium	56.5	0	mg/l	FALSE
12/3/2008	MW#93-1	Sodium	75.2	0	mg/l	FALSE
6/17/2009	MW#93-1	Sodium	67.4	0	mg/l	FALSE
12/9/2009	MW#93-1	Sodium	76.9	0	mg/l	FALSE
6/17/2010	MW#93-1	Sodium	55	0	mg/l	FALSE
12/22/2010	MW#93-1	Sodium	70.5	0	mg/l	FALSE
6/29/2011	MW#93-1	Sodium	55.4	0	mg/l	FALSE
12/7/2011	MW#93-1	Sodium	69.1	0	mg/l	FALSE
6/6/2012	MW#93-1	Sodium	55.6	0	mg/l	FALSE
12/12/2012	MW#93-1	Sodium	58.9	0	mg/l	FALSE
6/19/2013	MW#93-1	Sodium	70	0	mg/l	FALSE
12/11/2013	MW#93-1	Sodium	72.9	0	mg/l	FALSE
6/11/2014	MW#93-1	Sodium	56.5	0	mg/l	FALSE
12/3/2014	MW#93-1	Sodium	69.4	0	mg/l	FALSE
6/17/2015	MW#93-1	Sodium	69.7	0	mg/l	FALSE
12/1/2015	MW#93-1	Sodium	57.5	0	mg/l	FALSE
6/22/2016	MW#93-1	Sodium	66.9	0	mg/l	FALSE
12/20/2016	MW#93-1	Sodium	54.8	0	mg/l	FALSE
6/6/2017	MW#93-1	Sodium	58.4	1	mg/l	FALSE
11/7/2017	MW#93-1	Sodium	45.2	0	mg/l	FALSE
2/27/2018	MW#93-1	Sodium	59.6	0	mg/l	FALSE
9/27/2018	MW#93-1	Sodium	68.2	0	mg/l	FALSE
5/7/2019	MW#93-1	Sodium	124	0	mg/l	FALSE
11/21/2019	MW#93-1	Sodium	99.1	0	mg/l	FALSE
6/25/2020	MW#93-1	SODIUM	130	0	mg/l	FALSE
11/17/2020	MW#93-1	SODIUM	120	0	mg/l	FALSE
5/26/2021	MW#93-1	SODIUM	112	2	mg/l	FALSE
11/17/2021	MW#93-1	SODIUM	90.4	2	mg/l	FALSE
4/8/2022	MW#93-1	SODIUM	84.8	2	mg/l	FALSE
11/17/2020	MW#93-1	SPECIFIC CONDUCTANCE	1460	0	mg/l	FALSE
12/15/1994	MW#93-1	Specific Conductance	1080	0	std	FALSE
3/14/1995	MW#93-1	Specific Conductance	1103	0	std	FALSE
6/21/1995	MW#93-1	Specific Conductance	1154	0	std	FALSE
12/14/1995	MW#93-1	Specific Conductance	1109	0	std	FALSE
3/6/1996	MW#93-1	Specific Conductance	1010	0	std	FALSE
4/25/1996	MW#93-1	Specific Conductance	1063	0	std	FALSE
10/2/1996	MW#93-1	Specific Conductance	1169	0	std	FALSE
12/10/1996	MW#93-1	Specific Conductance	1187	0	std	FALSE
3/11/1997	MW#93-1	Specific Conductance	1077	0	std	FALSE
4/15/1997	MW#93-1	Specific Conductance	1070	0	std	FALSE
8/14/1997	MW#93-1	Specific Conductance	1217	0	std	FALSE
12/4/1997	MW#93-1	Specific Conductance	1170	0	std	FALSE
3/31/1998	MW#93-1	Specific Conductance	1092	0	std	FALSE
6/23/1998	MW#93-1	Specific Conductance	1210	0	std	FALSE
8/11/1998	MW#93-1	Specific Conductance	1273	0	std	FALSE
12/8/1998	MW#93-1	Specific Conductance	1888	0	std	FALSE
3/9/1999	MW#93-1	Specific Conductance	1080	0	std	FALSE
6/8/1999	MW#93-1	Specific Conductance	1301	0	std	FALSE
8/19/1999	MW#93-1	Specific Conductance	1301	0	std	FALSE
12/14/1999	MW#93-1	Specific Conductance	1270	0	std	FALSE
3/7/2000	MW#93-1	Specific Conductance	1290	0	std	FALSE
6/23/2000	MW#93-1	Specific Conductance	1393	0	std	FALSE

12/12/2000	MW#93-1	Specific Conductance	1309	0	std	FALSE
3/27/2001	MW#93-1	Specific Conductance	1469	0	std	FALSE
6/28/2001	MW#93-1	Specific Conductance	1560	0	std	FALSE
9/10/2001	MW#93-1	Specific Conductance	1374	0	std	FALSE
12/18/2001	MW#93-1	Specific Conductance	1374	0	std	FALSE
3/19/2002	MW#93-1	Specific Conductance	1326	0	std	FALSE
6/26/2002	MW#93-1	Specific Conductance	1516	0	std	FALSE
9/18/2002	MW#93-1	Specific Conductance	1423	0	std	FALSE
12/11/2002	MW#93-1	Specific Conductance	1515	0	std	FALSE
3/13/2003	MW#93-1	Specific Conductance	1332	0	std	FALSE
6/25/2003	MW#93-1	Specific Conductance	1608	0	std	FALSE
9/26/2003	MW#93-1	Specific Conductance	1602	0	std	FALSE
12/10/2003	MW#93-1	Specific Conductance	1620	0	std	FALSE
3/9/2004	MW#93-1	Specific Conductance	1630	0	std	FALSE
6/24/2004	MW#93-1	Specific Conductance	1620	0	std	FALSE
9/15/2004	MW#93-1	Specific Conductance	1618	0	std	FALSE
12/15/2004	MW#93-1	Specific Conductance	1586	0	std	FALSE
3/16/2005	MW#93-1	Specific Conductance	1521	0	std	FALSE
6/15/2005	MW#93-1	Specific Conductance	1531	0	std	FALSE
9/21/2005	MW#93-1	Specific Conductance	1441	0	std	FALSE
12/21/2005	MW#93-1	Specific Conductance	1030	0	std	FALSE
3/15/2006	MW#93-1	Specific Conductance	1318	0	std	FALSE
6/21/2006	MW#93-1	Specific Conductance	1547	0	std	FALSE
12/20/2006	MW#93-1	Specific Conductance	1370	0	std	FALSE
6/12/2007	MW#93-1	Specific Conductance	1466	0	std	FALSE
12/17/2007	MW#93-1	Specific Conductance	1327	0	std	FALSE
6/11/2008	MW#93-1	Specific Conductance	1334	0	std	FALSE
12/3/2008	MW#93-1	Specific Conductance	1352	0	std	FALSE
6/17/2009	MW#93-1	Specific Conductance	1301	0	std	FALSE
12/9/2009	MW#93-1	Specific Conductance	1218	0	std	FALSE
6/17/2010	MW#93-1	Specific Conductance	1179	0	std	FALSE
12/22/2010	MW#93-1	Specific Conductance	1270	0	std	FALSE
6/29/2011	MW#93-1	Specific Conductance	1275	0	std	FALSE
12/7/2011	MW#93-1	Specific Conductance	1236	0	std	FALSE
6/6/2012	MW#93-1	Specific Conductance	1185	0	std	FALSE
12/12/2012	MW#93-1	Specific Conductance	1227	0	std	FALSE
6/19/2013	MW#93-1	Specific Conductance	1366	0	std	FALSE
12/11/2013	MW#93-1	Specific Conductance	1329	0	std	FALSE
6/11/2014	MW#93-1	Specific Conductance	1200	0	std	FALSE
12/3/2014	MW#93-1	Specific Conductance	1230	1	umhos/cm	FALSE
6/17/2015	MW#93-1	Specific Conductance	1210	1	umhos/cm	FALSE
12/1/2015	MW#93-1	Specific Conductance	1230	1	umhos/cm	FALSE
6/22/2016	MW#93-1	Specific Conductance	1185	1	umhos/cm	FALSE
12/20/2016	MW#93-1	Specific Conductance	1186	1	umhos/cm	FALSE
6/6/2017	MW#93-1	Specific Conductance	1289	1	umhos/cm	FALSE
11/7/2017	MW#93-1	Specific Conductance	1458	1	umhos/cm	FALSE
2/27/2018	MW#93-1	Specific Conductance	1235	1	umhos/cm	FALSE
9/19/2018	MW#93-1	Specific Conductance	1520	1	umhos/cm	FALSE
11/21/2019	MW#93-1	Specific Conductance	1510	3	umhos/cm	FALSE
6/25/2020	MW#93-1	SPECIFIC CONDUCTANCE	1440	0	umhos/cm	FALSE
5/26/2021	MW#93-1	SPECIFIC CONDUCTANCE	1460	10	umhos/cm	FALSE
11/17/2021	MW#93-1	SPECIFIC CONDUCTANCE	1680	10	umhos/cm	FALSE
4/8/2022	MW#93-1	SPECIFIC CONDUCTANCE	1560	10	umhos/cm	FALSE
12/15/1994	MW#93-1	Sulfate	195	0	mg/l	FALSE

3/14/1995	MW#93-1	Sulfate	275	0	mg/l	FALSE
6/21/1995	MW#93-1	Sulfate	750	0	mg/l	FALSE
12/14/1995	MW#93-1	Sulfate	320	0	mg/l	FALSE
3/6/1996	MW#93-1	Sulfate	215	0	mg/l	FALSE
4/25/1996	MW#93-1	Sulfate	272	0	mg/l	FALSE
10/2/1996	MW#93-1	Sulfate	300	0	mg/l	FALSE
12/10/1996	MW#93-1	Sulfate	260	0	mg/l	FALSE
3/11/1997	MW#93-1	Sulfate	278	0	mg/l	FALSE
4/15/1997	MW#93-1	Sulfate	250	0	mg/l	FALSE
8/14/1997	MW#93-1	Sulfate	320	0	mg/l	FALSE
12/4/1997	MW#93-1	Sulfate	360	0	mg/l	FALSE
3/31/1998	MW#93-1	Sulfate	230	0	mg/l	FALSE
6/23/1998	MW#93-1	Sulfate	500	0	mg/l	FALSE
8/11/1998	MW#93-1	Sulfate	350	0	mg/l	FALSE
12/8/1998	MW#93-1	Sulfate	270	0	mg/l	FALSE
3/9/1999	MW#93-1	Sulfate	290	0	mg/l	FALSE
6/8/1999	MW#93-1	Sulfate	408	0	mg/l	FALSE
8/19/1999	MW#93-1	Sulfate	388	0	mg/l	FALSE
12/14/1999	MW#93-1	Sulfate	310	0	mg/l	FALSE
3/7/2000	MW#93-1	Sulfate	373	0	mg/l	FALSE
6/23/2000	MW#93-1	Sulfate	410	0	mg/l	FALSE
12/12/2000	MW#93-1	Sulfate	420	0	mg/l	FALSE
3/27/2001	MW#93-1	Sulfate	350	0	mg/l	FALSE
6/28/2001	MW#93-1	Sulfate	425	0	mg/l	FALSE
9/10/2001	MW#93-1	Sulfate	390	0	mg/l	FALSE
12/18/2001	MW#93-1	Sulfate	390	0	mg/l	FALSE
3/19/2002	MW#93-1	Sulfate	425	0	mg/l	FALSE
6/26/2002	MW#93-1	Sulfate	420	0	mg/l	FALSE
9/18/2002	MW#93-1	Sulfate	517	0	mg/l	FALSE
12/11/2002	MW#93-1	Sulfate	430	0	mg/l	FALSE
3/13/2003	MW#93-1	Sulfate	450	0	mg/l	FALSE
6/25/2003	MW#93-1	Sulfate	434	0	mg/l	FALSE
9/26/2003	MW#93-1	Sulfate	460	0	mg/l	FALSE
12/10/2003	MW#93-1	Sulfate	470	0	mg/l	FALSE
3/9/2004	MW#93-1	Sulfate	444	0	mg/l	FALSE
6/24/2004	MW#93-1	Sulfate	500	0	mg/l	FALSE
9/15/2004	MW#93-1	Sulfate	475	0	mg/l	FALSE
12/15/2004	MW#93-1	Sulfate	558	0	mg/l	FALSE
3/16/2005	MW#93-1	Sulfate	880	0	mg/l	FALSE
6/15/2005	MW#93-1	Sulfate	22	0	mg/l	FALSE
9/21/2005	MW#93-1	Sulfate	467	0	mg/l	FALSE
12/21/2005	MW#93-1	Sulfate	475	0	mg/l	FALSE
3/15/2006	MW#93-1	Sulfate	375	0	mg/l	FALSE
6/21/2006	MW#93-1	Sulfate	420	0	mg/l	FALSE
12/20/2006	MW#93-1	Sulfate	330	0	mg/l	FALSE
6/12/2007	MW#93-1	Sulfate	260	0	mg/l	FALSE
12/17/2007	MW#93-1	Sulfate	300	0	mg/l	FALSE
6/11/2008	MW#93-1	Sulfate	375	0	mg/l	FALSE
12/3/2008	MW#93-1	Sulfate	340	0	mg/l	FALSE
6/17/2009	MW#93-1	Sulfate	240	0	mg/l	FALSE
12/9/2009	MW#93-1	Sulfate	160	0	mg/l	FALSE
6/17/2010	MW#93-1	Sulfate	290	0	mg/l	FALSE
12/22/2010	MW#93-1	Sulfate	304	0	mg/l	FALSE
6/29/2011	MW#93-1	Sulfate	306	0	mg/l	FALSE

12/7/2011	MW#93-1	Sulfate	255	0	mg/l	FALSE
6/6/2012	MW#93-1	Sulfate	275	0	mg/l	FALSE
12/12/2012	MW#93-1	Sulfate	301	0	mg/l	FALSE
6/19/2013	MW#93-1	Sulfate	409	0	mg/l	FALSE
12/11/2013	MW#93-1	Sulfate	306	0	mg/l	FALSE
6/11/2014	MW#93-1	Sulfate	316	0	mg/l	FALSE
12/3/2014	MW#93-1	Sulfate	292	50	mg/l	FALSE
6/17/2015	MW#93-1	Sulfate	286	5	mg/l	FALSE
12/1/2015	MW#93-1	Sulfate	299	12	mg/l	FALSE
6/22/2016	MW#93-1	Sulfate	250	12	mg/l	FALSE
12/20/2016	MW#93-1	Sulfate	275	12	mg/l	FALSE
6/6/2017	MW#93-1	Sulfate	265	12	mg/l	FALSE
11/7/2017	MW#93-1	Sulfate	281	5	mg/l	FALSE
2/27/2018	MW#93-1	Sulfate	299	5	mg/l	FALSE
9/27/2018	MW#93-1	Sulfate	305	50	mg/l	FALSE
5/7/2019	MW#93-1	Sulfate	275	5	mg/l	FALSE
11/21/2019	MW#93-1	Sulfate	299	50	mg/l	FALSE
6/25/2020	MW#93-1	SULFATE	346	0	mg/l	FALSE
11/17/2020	MW#93-1	SULFATE	346	0	mg/l	FALSE
5/26/2021	MW#93-1	SULFATE	400	50	mg/l	FALSE
11/17/2021	MW#93-1	SULFATE	504	50	mg/l	FALSE
4/8/2022	MW#93-1	SULFATE	452	50	mg/l	FALSE
5/24/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-1	Thallium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-1	Thallium	0	0.001	mg/L	TRUE
2/11/2020	MW#93-1	Thallium	0	0.01	mg/L	TRUE
6/25/2020	MW#93-1	THALLIUM	0	0.001	mg/L	TRUE
11/17/2020	MW#93-1	THALLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-1	THALLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-1	THALLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#93-1	THALLIUM	0	0.001	mg/L	TRUE
6/6/2012	MW#93-1	Total Dissolved Solids	868	10	mg/L	FALSE
12/12/2012	MW#93-1	Total Dissolved Solids	880	10	mg/L	FALSE
6/19/2013	MW#93-1	Total Dissolved Solids	942	10	mg/L	FALSE
12/11/2013	MW#93-1	Total Dissolved Solids	961	10	mg/L	FALSE
6/11/2014	MW#93-1	Total Dissolved Solids	971	10	mg/L	FALSE
12/3/2014	MW#93-1	Total Dissolved Solids	907	10	mg/L	FALSE
6/17/2015	MW#93-1	Total Dissolved Solids	882	10	mg/L	FALSE
12/1/2015	MW#93-1	Total Dissolved Solids	860	10	mg/L	FALSE
6/22/2016	MW#93-1	Total Dissolved Solids	840	10	mg/L	FALSE
12/20/2016	MW#93-1	Total Dissolved Solids	838	10	mg/L	FALSE
6/6/2017	MW#93-1	Total Dissolved Solids	810	10	mg/L	FALSE
11/7/2017	MW#93-1	Total Dissolved Solids	878	10	mg/L	FALSE
2/27/2018	MW#93-1	Total Dissolved Solids	830	10	mg/L	FALSE
9/27/2018	MW#93-1	Total Dissolved Solids	1050	10	mg/L	FALSE
5/7/2019	MW#93-1	Total Dissolved Solids	952	10	mg/L	FALSE
11/21/2019	MW#93-1	Total Dissolved Solids	966	20	mg/L	FALSE
6/25/2020	MW#93-1	Total Dissolved Solids	1000	0	mg/L	FALSE

11/17/2020	MW#93-1	Total Dissolved Solids	966	0	mg/l	FALSE
5/26/2021	MW#93-1	Total Dissolved Solids	988	10	mg/l	FALSE
11/17/2021	MW#93-1	Total Dissolved Solids	1000		13.3 mg/l	FALSE
4/8/2022	MW#93-1	Total Dissolved Solids	1130	10	mg/L	FALSE
12/15/1994	MW#93-2	Alkalinity	170	0	mg/l	FALSE
12/14/1995	MW#93-2	Alkalinity	191	0	mg/l	FALSE
3/6/1996	MW#93-2	Alkalinity	308	0	mg/l	FALSE
4/25/1996	MW#93-2	Alkalinity	340	0	mg/l	FALSE
10/2/1996	MW#93-2	Alkalinity	340	0	mg/l	FALSE
12/10/1996	MW#93-2	Alkalinity	270	0	mg/l	FALSE
3/11/1997	MW#93-2	Alkalinity	210	0	mg/l	FALSE
4/15/1997	MW#93-2	Alkalinity	220	0	mg/l	FALSE
8/14/1997	MW#93-2	Alkalinity	240	0	mg/l	FALSE
12/4/1997	MW#93-2	Alkalinity	200	0	mg/l	FALSE
3/31/1998	MW#93-2	Alkalinity	184	0	mg/l	FALSE
6/23/1998	MW#93-2	Alkalinity	250	0	mg/l	FALSE
8/11/1998	MW#93-2	Alkalinity	208	0	mg/l	FALSE
12/8/1998	MW#93-2	Alkalinity	200	0	mg/l	FALSE
3/9/1999	MW#93-2	Alkalinity	224	0	mg/l	FALSE
6/8/1999	MW#93-2	Alkalinity	220	0	mg/l	FALSE
8/19/1999	MW#93-2	Alkalinity	226	0	mg/l	FALSE
12/14/1999	MW#93-2	Alkalinity	240	0	mg/l	FALSE
3/7/2000	MW#93-2	Alkalinity	244	0	mg/l	FALSE
6/23/2000	MW#93-2	Alkalinity	264	0	mg/l	FALSE
12/12/2000	MW#93-2	Alkalinity	220	0	mg/l	FALSE
3/27/2001	MW#93-2	Alkalinity	215	0	mg/l	FALSE
6/28/2001	MW#93-2	Alkalinity	240	0	mg/l	FALSE
9/10/2001	MW#93-2	Alkalinity	208	0	mg/l	FALSE
12/18/2001	MW#93-2	Alkalinity	235	0	mg/l	FALSE
3/19/2002	MW#93-2	Alkalinity	263	0	mg/l	FALSE
6/26/2002	MW#93-2	Alkalinity	290	0	mg/l	FALSE
9/18/2002	MW#93-2	Alkalinity	256	0	mg/l	FALSE
12/11/2002	MW#93-2	Alkalinity	249	0	mg/l	FALSE
3/13/2003	MW#93-2	Alkalinity	240	0	mg/l	FALSE
6/25/2003	MW#93-2	Alkalinity	246	0	mg/l	FALSE
9/26/2003	MW#93-2	Alkalinity	250	0	mg/l	FALSE
12/10/2003	MW#93-2	Alkalinity	200	0	mg/l	FALSE
3/9/2004	MW#93-2	Alkalinity	280	0	mg/l	FALSE
6/24/2004	MW#93-2	Alkalinity	329	0	mg/l	FALSE
9/15/2004	MW#93-2	Alkalinity	272	0	mg/l	FALSE
12/15/2004	MW#93-2	Alkalinity	288	0	mg/l	FALSE
3/16/2005	MW#93-2	Alkalinity	240	0	mg/l	FALSE
6/15/2005	MW#93-2	Alkalinity	246	0	mg/l	FALSE
9/21/2005	MW#93-2	Alkalinity	228	0	mg/l	FALSE
12/21/2005	MW#93-2	Alkalinity	232	0	mg/l	FALSE
3/15/2006	MW#93-2	Alkalinity	250	0	mg/l	FALSE
6/21/2006	MW#93-2	Alkalinity	290	0	mg/l	FALSE
12/20/2006	MW#93-2	Alkalinity	356	0	mg/l	FALSE
2/21/2007	MW#93-2	Alkalinity	340	0	mg/l	FALSE
6/12/2007	MW#93-2	Alkalinity	312	0	mg/l	FALSE
12/17/2007	MW#93-2	Alkalinity	210	0	mg/l	FALSE
6/11/2008	MW#93-2	Alkalinity	240	0	mg/l	FALSE
12/3/2008	MW#93-2	Alkalinity	280	0	mg/l	FALSE
6/17/2009	MW#93-2	Alkalinity	250	0	mg/l	FALSE

12/9/2009	MW#93-2	Alkalinity	236	0	mg/l	FALSE
6/17/2010	MW#93-2	Alkalinity	252	0	mg/l	FALSE
12/22/2010	MW#93-2	Alkalinity	240	0	mg/l	FALSE
6/29/2011	MW#93-2	Alkalinity	266	0	mg/l	FALSE
12/7/2011	MW#93-2	Alkalinity	288	0	mg/l	FALSE
6/6/2012	MW#93-2	Alkalinity	256	0	mg/l	FALSE
12/12/2012	MW#93-2	Alkalinity	248	0	mg/l	FALSE
6/19/2013	MW#93-2	Alkalinity	364	0	mg/l	FALSE
12/11/2013	MW#93-2	Alkalinity	328	0	mg/l	FALSE
6/11/2014	MW#93-2	Alkalinity	342	0	mg/l	FALSE
12/3/2014	MW#93-2	Alkalinity	296	2	mg/l	FALSE
6/17/2015	MW#93-2	Alkalinity	384	2	mg/l	FALSE
12/1/2015	MW#93-2	Alkalinity	226	2	mg/l	FALSE
6/22/2016	MW#93-2	Alkalinity	176	10	mg/l	FALSE
12/20/2016	MW#93-2	Alkalinity	162.2	10	mg/l	FALSE
6/6/2017	MW#93-2	Alkalinity	246	10	mg/l	FALSE
11/7/2017	MW#93-2	Alkalinity	430	5	mg/l	FALSE
2/27/2018	MW#93-2	Alkalinity	282	2	mg/l	FALSE
9/27/2018	MW#93-2	Alkalinity	270	12	mg/l	FALSE
5/7/2019	MW#93-2	Alkalinity	360	12	mg/l	FALSE
11/21/2019	MW#93-2	Alkalinity	360	12	mg/l	FALSE
6/25/2020	MW#93-2	ALKALINITY	261	0	mg/l	FALSE
11/16/2020	MW#93-2	ALKALINITY	266	0	mg/l	FALSE
5/26/2021	MW#93-2	ALKALINITY	201	0	mg/l	FALSE
11/17/2021	MW#93-2	ALKALINITY	108	0	mg/l	FALSE
4/8/2022	MW#93-2	ALKALINITY	144	20	mg/l	FALSE
11/21/2019	MW#93-2	Antimony	0	0.002	mg/L	TRUE
12/20/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
11/20/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
10/18/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
9/19/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
8/22/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
7/19/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
6/19/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
5/24/2018	MW#93-2	Antimony	0	0.01	mg/L	TRUE
6/25/2020	MW#93-2	ANTIMONY	0	0.005	mg/l	TRUE
11/16/2020	MW#93-2	ANTIMONY	0	0.005	mg/l	TRUE
5/26/2021	MW#93-2	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2021	MW#93-2	ANTIMONY	0	0.005	mg/l	TRUE
4/8/2022	MW#93-2	ANTIMONY	0	0.005	mg/L	TRUE
6/12/2007	MW#93-2	Arsenic	0.0343	0	mg/L	FALSE
12/17/2007	MW#93-2	Arsenic	0.0603	0	mg/L	FALSE
6/11/2008	MW#93-2	Arsenic	0.051	0	mg/L	FALSE
12/3/2008	MW#93-2	Arsenic	0.033	0	mg/L	FALSE
6/17/2009	MW#93-2	Arsenic	0.0525	0	mg/L	FALSE
12/9/2009	MW#93-2	Arsenic	0.0635	0	mg/L	FALSE
6/17/2010	MW#93-2	Arsenic	0.0179	0	mg/L	FALSE
12/22/2010	MW#93-2	Arsenic	0.0215	0	mg/L	FALSE
6/29/2011	MW#93-2	Arsenic	0.061	0	mg/L	FALSE
12/7/2011	MW#93-2	Arsenic	0	0.005	mg/L	TRUE
6/6/2012	MW#93-2	Arsenic	0.0098	0	mg/L	FALSE
12/12/2012	MW#93-2	Arsenic	0.0562	0	mg/L	FALSE
6/19/2013	MW#93-2	Arsenic	0	0.005	mg/L	TRUE
12/11/2013	MW#93-2	Arsenic	0.0353	0	mg/L	FALSE

6/11/2014	MW#93-2	Arsenic	0.0197	0	mg/L	FALSE
12/3/2014	MW#93-2	Arsenic	0.0274	0	mg/L	FALSE
6/17/2015	MW#93-2	Arsenic	0	0.005	mg/L	TRUE
12/1/2015	MW#93-2	Arsenic	0.03	0	mg/L	FALSE
6/22/2016	MW#93-2	Arsenic	0.047	0	mg/L	FALSE
12/20/2016	MW#93-2	Arsenic	0.06	0	mg/L	FALSE
6/6/2017	MW#93-2	Arsenic	0.038	0	mg/L	FALSE
11/7/2017	MW#93-2	Arsenic	0.028	0	mg/L	FALSE
2/27/2018	MW#93-2	Arsenic	0.024	0	mg/L	FALSE
5/24/2018	MW#93-2	Arsenic	0.0292	0	mg/L	FALSE
6/19/2018	MW#93-2	Arsenic	0.0274	0	mg/L	FALSE
7/19/2018	MW#93-2	Arsenic	0.0367	0	mg/L	FALSE
8/22/2018	MW#93-2	Arsenic	0.0333	0	mg/L	FALSE
9/19/2018	MW#93-2	Arsenic	0.0344	0	mg/L	FALSE
9/27/2018	MW#93-2	Arsenic	0.0389	0	mg/L	FALSE
10/18/2018	MW#93-2	Arsenic	0.0378	0	mg/L	FALSE
11/20/2018	MW#93-2	Arsenic	0.0313	0	mg/L	FALSE
12/20/2018	MW#93-2	Arsenic	0.0285	0	mg/L	FALSE
5/7/2019	MW#93-2	Arsenic	0.0259	0	mg/L	FALSE
11/21/2019	MW#93-2	Arsenic	0.0197	0	mg/L	FALSE
6/25/2020	MW#93-2	Arsenic	0.0176	0	mg/l	FALSE
11/16/2020	MW#93-2	Arsenic	0.0204	0	mg/l	FALSE
5/26/2021	MW#93-2	Arsenic	0.0148	0	mg/l	FALSE
11/17/2021	MW#93-2	Arsenic	0.0266	0.001	mg/l	FALSE
4/8/2022	MW#93-2	ARSENIC	0.0213	0.001	mg/l	FALSE
5/24/2018	MW#93-2	Barium	0.0604	0	mg/L	FALSE
6/19/2018	MW#93-2	Barium	0.0538	0	mg/L	FALSE
7/19/2018	MW#93-2	Barium	0.0583	0	mg/L	FALSE
8/22/2018	MW#93-2	Barium	0.0612	0	mg/L	FALSE
9/19/2018	MW#93-2	Barium	0.0641	0	mg/L	FALSE
10/18/2018	MW#93-2	Barium	0.0669	0	mg/L	FALSE
11/20/2018	MW#93-2	Barium	0.069	0	mg/L	FALSE
12/20/2018	MW#93-2	Barium	0.0651	0	mg/L	FALSE
11/21/2019	MW#93-2	Barium	0.1	0	mg/L	FALSE
6/25/2020	MW#93-2	BARIUM	0.147	0	mg/l	FALSE
11/16/2020	MW#93-2	BARIUM	0.151	0	mg/l	FALSE
5/26/2021	MW#93-2	BARIUM	0.126	0	mg/l	FALSE
11/17/2021	MW#93-2	BARIUM	0.127	0	mg/l	FALSE
4/8/2022	MW#93-2	BARIUM	0.141	0.005	mg/l	FALSE
5/24/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-2	Beryllium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-2	Beryllium	0	0.001	mg/L	TRUE
6/25/2020	MW#93-2	BERYLLIUM	0	0.001	mg/L	TRUE
11/16/2020	MW#93-2	BERYLLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-2	BERYLLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-2	BERYLLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#93-2	BERYLLIUM	0	0.001	mg/L	TRUE
10/11/2016	MW#93-2	Boron	2.86	0	mg/L	FALSE

12/20/2016	MW#93-2	Boron	2.31	0	mg/L	FALSE
2/16/2017	MW#93-2	Boron	2.09	0	mg/L	FALSE
3/8/2017	MW#93-2	Boron	2.07	0	mg/L	FALSE
5/9/2017	MW#93-2	Boron	1.97	0	mg/L	FALSE
6/6/2017	MW#93-2	Boron	1.83	0	mg/L	FALSE
8/22/2017	MW#93-2	Boron	2.38	0	mg/L	FALSE
9/22/2017	MW#93-2	Boron	2.48	0	mg/L	FALSE
11/7/2017	MW#93-2	Boron	0.46	0	mg/L	FALSE
2/27/2018	MW#93-2	Boron	0.064	0	mg/L	FALSE
9/27/2018	MW#93-2	Boron	2.01	0	mg/L	FALSE
5/7/2019	MW#93-2	Boron	1.61	0	mg/L	FALSE
11/21/2019	MW#93-2	Boron	1.76	0	mg/L	FALSE
6/25/2020	MW#93-2	BORON	1.74	0	mg/l	FALSE
11/16/2020	MW#93-2	BORON	1.76	0.2	mg/l	FALSE
5/26/2021	MW#93-2	BORON	1.59	0.2	mg/l	FALSE
11/17/2021	MW#93-2	BORON	1.71	0.2	mg/l	FALSE
4/8/2022	MW#93-2	BORON	1.42	0.2	mg/l	FALSE
5/24/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
6/19/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
7/19/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
8/22/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
9/19/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
10/18/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
11/20/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
12/20/2018	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
11/21/2019	MW#93-2	Cadmium	0	0.001	mg/L	TRUE
6/25/2020	MW#93-2	CADMIUM	0	0.001	mg/L	TRUE
11/16/2020	MW#93-2	CADMIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-2	CADMIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-2	CADMIUM	0.000207	0.001	mg/l	FALSE
4/8/2022	MW#93-2	CADMIUM	0	0.001	mg/l	TRUE
6/6/2012	MW#93-2	Calcium	78.9	0.5	mg/L	FALSE
12/12/2012	MW#93-2	Calcium	101	0.5	mg/L	FALSE
6/19/2013	MW#93-2	Calcium	100	0.5	mg/L	FALSE
12/11/2013	MW#93-2	Calcium	88	0.5	mg/L	FALSE
6/11/2014	MW#93-2	Calcium	41.8	0.5	mg/L	FALSE
12/3/2014	MW#93-2	Calcium	53.8	0.5	mg/L	FALSE
6/17/2015	MW#93-2	Calcium	2.29	0.5	mg/L	FALSE
12/1/2015	MW#93-2	Calcium	42.8	0.5	mg/L	FALSE
6/22/2016	MW#93-2	Calcium	40	0.5	mg/L	FALSE
12/20/2016	MW#93-2	Calcium	41.8	0.5	mg/L	FALSE
6/6/2017	MW#93-2	Calcium	45.2	0.5	mg/L	FALSE
11/7/2017	MW#93-2	Calcium	68.5	0.5	mg/L	FALSE
2/27/2018	MW#93-2	Calcium	74.7	0.5	mg/L	FALSE
9/27/2018	MW#93-2	Calcium	68.9	0.5	mg/L	FALSE
11/20/2018	MW#93-2	Calcium	0	0.5	mg/L	TRUE
5/7/2019	MW#93-2	Calcium	86.3	0.5	mg/L	FALSE
11/21/2019	MW#93-2	Calcium	117	0.5	mg/L	FALSE
6/25/2020	MW#93-2	CALCIUM	198	0	mg/L	FALSE
11/16/2020	MW#93-2	CALCIUM	225	0	mg/l	FALSE
5/26/2021	MW#93-2	CALCIUM	200	1	mg/l	FALSE
11/17/2021	MW#93-2	CALCIUM	195	1	mg/l	FALSE
4/8/2022	MW#93-2	CALCIUM	228	1	mg/l	FALSE
12/15/1994	MW#93-2	Chloride	400	0	mg/l	FALSE

3/14/1995	MW#93-2	Chloride	1500	0	mg/l	FALSE
6/21/1995	MW#93-2	Chloride	75	0	mg/l	FALSE
12/14/1995	MW#93-2	Chloride	1749	0	mg/l	FALSE
3/6/1996	MW#93-2	Chloride	1674	0	mg/l	FALSE
4/25/1996	MW#93-2	Chloride	1999	0	mg/l	FALSE
10/2/1996	MW#93-2	Chloride	1553	0	mg/l	FALSE
12/10/1996	MW#93-2	Chloride	1560	0	mg/l	FALSE
3/11/1997	MW#93-2	Chloride	1634	0	mg/l	FALSE
4/15/1997	MW#93-2	Chloride	1700	0	mg/l	FALSE
8/14/1997	MW#93-2	Chloride	2149	0	mg/l	FALSE
12/4/1997	MW#93-2	Chloride	1769	0	mg/l	FALSE
3/31/1998	MW#93-2	Chloride	2000	0	mg/l	FALSE
6/23/1998	MW#93-2	Chloride	2099	0	mg/l	FALSE
8/11/1998	MW#93-2	Chloride	1874	0	mg/l	FALSE
12/8/1998	MW#93-2	Chloride	1922	0	mg/l	FALSE
3/9/1999	MW#93-2	Chloride	1700	0	mg/l	FALSE
6/8/1999	MW#93-2	Chloride	1739	0	mg/l	FALSE
8/19/1999	MW#93-2	Chloride	1800	0	mg/l	FALSE
12/14/1999	MW#93-2	Chloride	1800	0	mg/l	FALSE
3/7/2000	MW#93-2	Chloride	1328	0	mg/l	FALSE
6/23/2000	MW#93-2	Chloride	950	0	mg/l	FALSE
12/12/2000	MW#93-2	Chloride	1789	0	mg/l	FALSE
3/27/2001	MW#93-2	Chloride	1749	0	mg/l	FALSE
6/28/2001	MW#93-2	Chloride	1799	0	mg/l	FALSE
9/10/2001	MW#93-2	Chloride	2050	0	mg/l	FALSE
12/18/2001	MW#93-2	Chloride	1600	0	mg/l	FALSE
3/19/2002	MW#93-2	Chloride	1730	0	mg/l	FALSE
6/26/2002	MW#93-2	Chloride	1699	0	mg/l	FALSE
9/18/2002	MW#93-2	Chloride	1674	0	mg/l	FALSE
12/11/2002	MW#93-2	Chloride	1613	0	mg/l	FALSE
3/13/2003	MW#93-2	Chloride	1510	0	mg/l	FALSE
6/25/2003	MW#93-2	Chloride	1800	0	mg/l	FALSE
9/26/2003	MW#93-2	Chloride	1616	0	mg/l	FALSE
12/10/2003	MW#93-2	Chloride	1509	0	mg/l	FALSE
3/9/2004	MW#93-2	Chloride	1800	0	mg/l	FALSE
6/24/2004	MW#93-2	Chloride	1892	0	mg/l	FALSE
9/15/2004	MW#93-2	Chloride	1435	0	mg/l	FALSE
12/15/2004	MW#93-2	Chloride	1600	0	mg/l	FALSE
3/16/2005	MW#93-2	Chloride	1325	0	mg/l	FALSE
6/15/2005	MW#93-2	Chloride	1400	0	mg/l	FALSE
9/21/2005	MW#93-2	Chloride	1412	0	mg/l	FALSE
12/21/2005	MW#93-2	Chloride	1550	0	mg/l	FALSE
3/15/2006	MW#93-2	Chloride	1375	0	mg/l	FALSE
6/21/2006	MW#93-2	Chloride	1500	0	mg/l	FALSE
12/20/2006	MW#93-2	Chloride	1250	0	mg/l	FALSE
2/21/2007	MW#93-2	Chloride	1250	0	mg/l	FALSE
6/12/2007	MW#93-2	Chloride	1350	0	mg/l	FALSE
12/17/2007	MW#93-2	Chloride	1399	0	mg/l	FALSE
6/11/2008	MW#93-2	Chloride	1210	0	mg/l	FALSE
12/3/2008	MW#93-2	Chloride	1584	0	mg/l	FALSE
6/17/2009	MW#93-2	Chloride	750	0	mg/l	FALSE
12/9/2009	MW#93-2	Chloride	875	0	mg/l	FALSE
6/17/2010	MW#93-2	Chloride	1500	0	mg/l	FALSE
12/22/2010	MW#93-2	Chloride	1600	0	mg/l	FALSE

6/29/2011	MW#93-2	Chloride	1670	0	mg/l	FALSE
12/7/2011	MW#93-2	Chloride	1510	0	mg/l	FALSE
6/6/2012	MW#93-2	Chloride	1610	0	mg/l	FALSE
12/12/2012	MW#93-2	Chloride	1750	0	mg/l	FALSE
6/19/2013	MW#93-2	Chloride	1390	0	mg/l	FALSE
12/11/2013	MW#93-2	Chloride	1410	0	mg/l	FALSE
6/11/2014	MW#93-2	Chloride	1360	0	mg/l	FALSE
12/3/2014	MW#93-2	Chloride	1520	50	mg/l	FALSE
6/17/2015	MW#93-2	Chloride	47.7	5	mg/l	FALSE
12/1/2015	MW#93-2	Chloride	1760	10	mg/l	FALSE
6/22/2016	MW#93-2	Chloride	1300	50	mg/l	FALSE
12/20/2016	MW#93-2	Chloride	1690	250	mg/l	FALSE
6/6/2017	MW#93-2	Chloride	1580	250	mg/l	FALSE
11/7/2017	MW#93-2	Chloride	1160	5	mg/l	FALSE
2/27/2018	MW#93-2	Chloride	1270	5	mg/l	FALSE
9/27/2018	MW#93-2	Chloride	1250	50	mg/l	FALSE
5/7/2019	MW#93-2	Chloride	1360	5	mg/l	FALSE
11/21/2019	MW#93-2	Chloride	0	5	mg/l	TRUE
6/25/2020	MW#93-2	CHLORIDE	109	0	mg/l	FALSE
11/16/2020	MW#93-2	CHLORIDE	1210	0	mg/l	FALSE
5/26/2021	MW#93-2	CHLORIDE	1670	100	mg/l	FALSE
11/17/2021	MW#93-2	CHLORIDE	1800	100	mg/l	FALSE
4/8/2022	MW#93-2	CHLORIDE	1460	50	mg/l	FALSE
5/24/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-2	Chromium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-2	Chromium	0	0.01	mg/L	TRUE
6/25/2020	MW#93-2	CHROMIUM	0	0.02	mg/L	TRUE
11/16/2020	MW#93-2	CHROMIUM	0	0.02	mg/l	TRUE
5/26/2021	MW#93-2	CHROMIUM	0	0.02	mg/l	TRUE
11/17/2021	MW#93-2	CHROMIUM	0	0.02	mg/l	TRUE
4/8/2022	MW#93-2	CHROMIUM	0	0.02	mg/L	TRUE
11/21/2019	MW#93-2	Cobalt	0	0.006	mg/L	TRUE
12/20/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
11/20/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
10/18/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
9/19/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
8/22/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
7/19/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
6/19/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
5/24/2018	MW#93-2	Cobalt	0	0.01	mg/L	TRUE
6/25/2020	MW#93-2	COBALT	0.000252	0	mg/L	FALSE
11/16/2020	MW#93-2	COBALT	0.000281	0.002	mg/l	FALSE
5/26/2021	MW#93-2	COBALT	0.00023	0.002	mg/l	FALSE
11/17/2021	MW#93-2	COBALT	0.000222	0.002	mg/l	FALSE
4/8/2022	MW#93-2	COBALT	0	0.002	mg/l	TRUE
10/11/2016	MW#93-2	Fluoride	0.81	0	mg/L	FALSE
12/20/2016	MW#93-2	Fluoride	1.06	0	mg/L	FALSE
2/16/2017	MW#93-2	Fluoride	0.68	0	mg/L	FALSE

3/8/2017	MW#93-2	Fluoride	0.79	0	mg/L	FALSE
5/9/2017	MW#93-2	Fluoride	0.7	0	mg/L	FALSE
6/6/2017	MW#93-2	Fluoride	0.68	0	mg/L	FALSE
8/22/2017	MW#93-2	Fluoride	0.35	0	mg/L	FALSE
9/22/2017	MW#93-2	Fluoride	0.51	0	mg/L	FALSE
11/7/2017	MW#93-2	Fluoride	0.12	0	mg/L	FALSE
2/27/2018	MW#93-2	Fluoride	0	0.1	mg/L	TRUE
5/24/2018	MW#93-2	Fluoride	0.937	0	mg/L	FALSE
6/19/2018	MW#93-2	Fluoride	0.991	0	mg/L	FALSE
7/19/2018	MW#93-2	Fluoride	0.906	0	mg/L	FALSE
8/22/2018	MW#93-2	Fluoride	0.865	0	mg/L	FALSE
9/19/2018	MW#93-2	Fluoride	1	0	mg/L	FALSE
10/18/2018	MW#93-2	Fluoride	0.698	0	mg/L	FALSE
11/20/2018	MW#93-2	Fluoride	1.02	0	mg/L	FALSE
12/20/2018	MW#93-2	Fluoride	0.685	0	mg/L	FALSE
5/7/2019	MW#93-2	Fluoride	0.367	0	mg/L	FALSE
11/21/2019	MW#93-2	Fluoride	0.554	0	mg/L	FALSE
6/25/2020	MW#93-2	FLUORIDE	0.313	0	mg/L	FALSE
11/16/2020	MW#93-2	FLUORIDE	0.705	0	mg/l	FALSE
5/26/2021	MW#93-2	FLUORIDE	0.287	1.5	mg/l	FALSE
11/17/2021	MW#93-2	FLUORIDE	0.793	1.5	mg/l	FALSE
4/8/2022	MW#93-2	FLUORIDE	0.375	0.75	mg/l	FALSE
5/24/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
6/19/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
7/19/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
8/22/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
9/19/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
10/18/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
11/20/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
12/20/2018	MW#93-2	Lead	0	0.005	mg/L	TRUE
11/21/2019	MW#93-2	Lead	0	0.001	mg/L	TRUE
6/25/2020	MW#93-2	LEAD	0	0.002	mg/L	TRUE
11/16/2020	MW#93-2	LEAD	0	0.002	mg/l	TRUE
5/26/2021	MW#93-2	LEAD	0	0.002	mg/l	TRUE
11/17/2021	MW#93-2	LEAD	0	0.002	mg/l	TRUE
4/8/2022	MW#93-2	LEAD	0	0.002	mg/l	TRUE
5/24/2018	MW#93-2	Lithium	0.0302	0	mg/L	FALSE
6/19/2018	MW#93-2	Lithium	0	0.015	mg/L	TRUE
7/19/2018	MW#93-2	Lithium	0	0.015	mg/L	TRUE
8/22/2018	MW#93-2	Lithium	0	0.015	mg/L	TRUE
9/19/2018	MW#93-2	Lithium	0	0.015	mg/L	TRUE
10/18/2018	MW#93-2	Lithium	0	0.015	mg/L	TRUE
11/20/2018	MW#93-2	Lithium	0.0185	0	mg/L	FALSE
12/20/2018	MW#93-2	Lithium	0	0.015	mg/L	TRUE
11/21/2019	MW#93-2	Lithium	0	0.015	mg/L	TRUE
6/25/2020	MW#93-2	LITHIUM	0.00976	0	mg/l	FALSE
11/16/2020	MW#93-2	LITHIUM	0	0.015	mg/l	TRUE
5/26/2021	MW#93-2	LITHIUM	0.0136	0.015	mg/l	FALSE
11/17/2021	MW#93-2	LITHIUM	0.0115	0.015	mg/l	FALSE
4/8/2022	MW#93-2	LITHIUM	0.0304	0.015	mg/l	FALSE
5/24/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
6/19/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
7/19/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
8/22/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE

9/19/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
10/18/2018	MW#93-2	Mercury	0.000572	0	mg/L	FALSE
11/20/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
12/20/2018	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
11/21/2019	MW#93-2	Mercury	0	0.00005	mg/L	TRUE
6/25/2020	MW#93-2	MERCURY	0	0.0002	mg/L	TRUE
11/16/2020	MW#93-2	MERCURY	0	0.0002	mg/l	TRUE
5/26/2021	MW#93-2	MERCURY	0	0.0002	mg/l	TRUE
11/17/2021	MW#93-2	MERCURY	0	0.0002	mg/l	TRUE
4/8/2022	MW#93-2	MERCURY	0	0.0002	mg/l	TRUE
5/24/2018	MW#93-2	Molybdenum	1.4	0	mg/L	FALSE
6/19/2018	MW#93-2	Molybdenum	1.18	0	mg/L	FALSE
8/22/2018	MW#93-2	Molybdenum	0.949	0	mg/L	FALSE
9/19/2018	MW#93-2	Molybdenum	1.34	0	mg/L	FALSE
10/18/2018	MW#93-2	Molybdenum	1.08	0	mg/L	FALSE
11/20/2018	MW#93-2	Molybdenum	1.29	0	mg/L	FALSE
12/20/2018	MW#93-2	Molybdenum	1.34	0	mg/L	FALSE
11/21/2019	MW#93-2	Molybdenum	0.252	0	mg/L	FALSE
7/19/2018	MW#93-2	Molybdenum	0	0.01	mg/L	TRUE
6/25/2020	MW#93-2	MOLYBDENUM	0.213	0	mg/L	FALSE
11/16/2020	MW#93-2	MOLYBDENUM	0.32	0	mg/l	FALSE
5/26/2021	MW#93-2	MOLYBDENUM	0.906	0.005	mg/l	FALSE
11/17/2021	MW#93-2	MOLYBDENUM	1.66	0.005	mg/l	FALSE
4/8/2022	MW#93-2	MOLYBDENUM	1.48	0.005	mg/l	FALSE
12/15/1994	MW#93-2	ph	8.54	0	std	FALSE
3/14/1995	MW#93-2	ph	8.82	0	std	FALSE
6/21/1995	MW#93-2	ph	8.68	0	std	FALSE
12/14/1995	MW#93-2	ph	8.16	0	std	FALSE
3/6/1996	MW#93-2	ph	9.37	0	std	FALSE
4/25/1996	MW#93-2	ph	9.14	0	std	FALSE
10/2/1996	MW#93-2	ph	8.94	0	std	FALSE
12/10/1996	MW#93-2	ph	9.27	0	std	FALSE
3/11/1997	MW#93-2	ph	8.95	0	std	FALSE
4/15/1997	MW#93-2	ph	9.25	0	std	FALSE
8/14/1997	MW#93-2	ph	8.67	0	std	FALSE
12/4/1997	MW#93-2	ph	8.77	0	std	FALSE
3/31/1998	MW#93-2	ph	9.32	0	std	FALSE
6/23/1998	MW#93-2	ph	8.87	0	std	FALSE
8/11/1998	MW#93-2	ph	9	0	std	FALSE
12/8/1998	MW#93-2	ph	8.9	0	std	FALSE
3/9/1999	MW#93-2	ph	9.39	0	std	FALSE
6/8/1999	MW#93-2	ph	9.25	0	std	FALSE
8/19/1999	MW#93-2	ph	9.15	0	std	FALSE
12/14/1999	MW#93-2	ph	8.98	0	std	FALSE
3/7/2000	MW#93-2	ph	9.2	0	std	FALSE
6/23/2000	MW#93-2	ph	9.18	0	std	FALSE
12/12/2000	MW#93-2	ph	9.18	0	std	FALSE
3/27/2001	MW#93-2	ph	9.29	0	std	FALSE
6/28/2001	MW#93-2	ph	9.22	0	std	FALSE
9/10/2001	MW#93-2	ph	9.1	0	std	FALSE
12/18/2001	MW#93-2	ph	9.4	0	std	FALSE
3/19/2002	MW#93-2	ph	9.54	0	std	FALSE
6/26/2002	MW#93-2	ph	9.44	0	std	FALSE
9/18/2002	MW#93-2	ph	9.24	0	std	FALSE

12/11/2002	MW#93-2	ph	9.16	0	std	FALSE
3/13/2003	MW#93-2	ph	9.28	0	std	FALSE
6/25/2003	MW#93-2	ph	9.27	0	std	FALSE
9/26/2003	MW#93-2	ph	9.32	0	std	FALSE
12/10/2003	MW#93-2	ph	9.25	0	std	FALSE
3/9/2004	MW#93-2	ph	9.37	0	std	FALSE
6/24/2004	MW#93-2	ph	9.24	0	std	FALSE
9/15/2004	MW#93-2	ph	9.32	0	std	FALSE
12/15/2004	MW#93-2	ph	9.26	0	std	FALSE
3/16/2005	MW#93-2	ph	9.23	0	std	FALSE
6/15/2005	MW#93-2	ph	9.1	0	std	FALSE
9/21/2005	MW#93-2	ph	9.25	0	std	FALSE
12/21/2005	MW#93-2	ph	9.31	0	std	FALSE
3/15/2006	MW#93-2	ph	9.47	0	std	FALSE
6/21/2006	MW#93-2	ph	9.4	0	std	FALSE
12/20/2006	MW#93-2	ph	9.18	0	std	FALSE
2/21/2007	MW#93-2	ph	9.2	0	std	FALSE
6/12/2007	MW#93-2	ph	9.1	0	std	FALSE
12/17/2007	MW#93-2	ph	9.3	0	std	FALSE
6/11/2008	MW#93-2	ph	9.4	0	std	FALSE
12/3/2008	MW#93-2	ph	9.7	0	std	FALSE
12/15/2008	MW#93-2	ph	9.6	0	std	FALSE
6/17/2009	MW#93-2	ph	9.8	0	std	FALSE
12/9/2009	MW#93-2	ph	9.8	0	std	FALSE
6/17/2010	MW#93-2	ph	9.6	0	std	FALSE
12/22/2010	MW#93-2	ph	9.5	0	std	FALSE
6/29/2011	MW#93-2	ph	9.4	0	std	FALSE
12/7/2011	MW#93-2	ph	9.5	0	std	FALSE
6/6/2012	MW#93-2	ph	9.68	0	std	FALSE
12/12/2012	MW#93-2	ph	10.02	0	std	FALSE
1/9/2013	MW#93-2	ph	9.51	0	std	FALSE
6/19/2013	MW#93-2	ph	9.4	0	std	FALSE
12/11/2013	MW#93-2	ph	9.46	0	std	FALSE
6/11/2014	MW#93-2	ph	8.55	0	std	FALSE
12/3/2014	MW#93-2	ph	8.95	0	std	FALSE
6/17/2015	MW#93-2	ph	9.13	0	std	FALSE
12/1/2015	MW#93-2	ph	9.37	0	std	FALSE
6/22/2016	MW#93-2	ph	9.28	0	std	FALSE
12/20/2016	MW#93-2	ph	9.72	0	std	FALSE
6/6/2017	MW#93-2	ph	9.29	0	std	FALSE
11/7/2017	MW#93-2	ph	8.86	0	std	FALSE
2/27/2018	MW#93-2	ph	9.04	0	std	FALSE
9/19/2018	MW#93-2	ph	9.09	0	std	FALSE
5/7/2019	MW#93-2	ph	9.05	0	std	FALSE
11/21/2019	MW#93-2	ph	8.44	0	std	FALSE
6/26/2020	MW#93-2	ph	8.59	0	std	FALSE
11/16/2020	MW#93-2	ph	8.48	0	std	FALSE
5/26/2021	MW#93-2	ph	8.74	0	std	FALSE
11/17/2021	MW#93-2	ph	8.64	0	std	FALSE
4/7/2022	MW#93-2	ph	8.82	0	std	FALSE
11/16/2020	MW#93-2	RADIUM COMBINED	3.478	0	mg/l	FALSE
5/26/2021	MW#93-2	RADIUM COMBINED	3.25	0	mg/l	FALSE
11/17/2021	MW#93-2	RADIUM COMBINED	3.743	0	mg/l	FALSE
11/21/2019	MW#93-2	Radium Combined	1.25	1	pCi/L	FALSE

12/20/2018	MW#93-2	Radium Combined	1.16	1	pCi/L	FALSE
11/20/2018	MW#93-2	Radium Combined	1.28	1	pCi/L	FALSE
10/18/2018	MW#93-2	Radium Combined	1.9	1	pCi/L	FALSE
9/19/2018	MW#93-2	Radium Combined	0.935	1	pCi/L	FALSE
8/22/2018	MW#93-2	Radium Combined	2.24	1	pCi/L	FALSE
7/19/2018	MW#93-2	Radium Combined	5.74	1	pCi/L	FALSE
6/22/2018	MW#93-2	Radium Combined	1.8	1	pCi/L	FALSE
5/24/2018	MW#93-2	Radium Combined	1.44	1	pCi/L	FALSE
6/25/2020	MW#93-2	RADIUM COMBINED	3.24	0	pCi/L	FALSE
4/8/2022	MW#93-2	RADIUM COMBINED	4.77	0	pCi/L	FALSE
5/24/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
6/19/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
7/19/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
8/22/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
9/19/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
10/18/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
11/20/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
12/20/2018	MW#93-2	Selenium 0	0.005		mg/L	TRUE
11/21/2019	MW#93-2	Selenium 0.00621	0		mg/L	FALSE
6/25/2020	MW#93-2	SELENIUM	0.00129	0	mg/L	FALSE
11/16/2020	MW#93-2	SELENIUM	0.000834	0	mg/l	FALSE
5/26/2021	MW#93-2	SELENIUM	0.000649	0.002	mg/l	FALSE
11/17/2021	MW#93-2	SELENIUM	0.00102	0.002	mg/l	FALSE
4/8/2022	MW#93-2	SELENIUM	0.00112	0.002	mg/l	FALSE
12/15/1994	MW#93-2	Sodium	2170	0	mg/l	FALSE
12/14/1995	MW#93-2	Sodium	2220	0	mg/l	FALSE
12/10/1996	MW#93-2	Sodium	2100	0	mg/l	FALSE
12/4/1997	MW#93-2	Sodium	2440	0	mg/l	FALSE
12/8/1998	MW#93-2	Sodium	2565	0	mg/l	FALSE
12/14/1999	MW#93-2	Sodium	2980	0	mg/l	FALSE
12/12/2000	MW#93-2	Sodium	2800	0	mg/l	FALSE
3/19/2002	MW#93-2	Sodium	2500	0	mg/l	FALSE
6/26/2002	MW#93-2	Sodium	2260	0	mg/l	FALSE
9/18/2002	MW#93-2	Sodium	2140	0	mg/l	FALSE
12/11/2002	MW#93-2	Sodium	2320	0	mg/l	FALSE
3/13/2003	MW#93-2	Sodium	2600	0	mg/l	FALSE
6/25/2003	MW#93-2	Sodium	1990	0	mg/l	FALSE
9/26/2003	MW#93-2	Sodium	1820	0	mg/l	FALSE
12/10/2003	MW#93-2	Sodium	1920	0	mg/l	FALSE
3/9/2004	MW#93-2	Sodium	2050	0	mg/l	FALSE
6/24/2004	MW#93-2	Sodium	2180	0	mg/l	FALSE
9/15/2004	MW#93-2	Sodium	1800	0	mg/l	FALSE
12/15/2004	MW#93-2	Sodium	2480	0	mg/l	FALSE
3/16/2005	MW#93-2	Sodium	2490	0	mg/l	FALSE
6/15/2005	MW#93-2	Sodium	2030	0	mg/l	FALSE
9/21/2005	MW#93-2	Sodium	2520	0	mg/l	FALSE
12/21/2005	MW#93-2	Sodium	2300	0	mg/l	FALSE
3/15/2006	MW#93-2	Sodium	2720	0	mg/l	FALSE
6/21/2006	MW#93-2	Sodium	2450	0	mg/l	FALSE
12/20/2006	MW#93-2	Sodium	2170	0	mg/l	FALSE
2/21/2007	MW#93-2	Sodium	2900	0	mg/l	FALSE
6/12/2007	MW#93-2	Sodium	1980	0	mg/l	FALSE
12/17/2007	MW#93-2	Sodium	2244	0	mg/l	FALSE
6/11/2008	MW#93-2	Sodium	2649	0	mg/l	FALSE

12/3/2008	MW#93-2	Sodium	2120	0	mg/l	FALSE
6/17/2009	MW#93-2	Sodium	2230	0	mg/l	FALSE
12/9/2009	MW#93-2	Sodium	2140	0	mg/l	FALSE
6/17/2010	MW#93-2	Sodium	2100	0	mg/l	FALSE
12/22/2010	MW#93-2	Sodium	2460	0	mg/l	FALSE
6/29/2011	MW#93-2	Sodium	2190	0	mg/l	FALSE
12/7/2011	MW#93-2	Sodium	2500	0	mg/l	FALSE
6/6/2012	MW#93-2	Sodium	2060	0	mg/l	FALSE
12/12/2012	MW#93-2	Sodium	2730	0	mg/l	FALSE
6/19/2013	MW#93-2	Sodium	2230	0	mg/l	FALSE
12/11/2013	MW#93-2	Sodium	2290	0	mg/l	FALSE
6/11/2014	MW#93-2	Sodium	1940	0	mg/l	FALSE
12/3/2014	MW#93-2	Sodium	2730	5	mg/l	FALSE
6/17/2015	MW#93-2	Sodium	270	0	mg/l	FALSE
5/25/2016	MW#93-2	Sodium	1890	0	mg/l	FALSE
6/22/2016	MW#93-2	Sodium	2700	25	mg/l	FALSE
12/20/2016	MW#93-2	Sodium	2400	12	mg/l	FALSE
6/6/2017	MW#93-2	Sodium	2310	50	mg/l	FALSE
11/7/2017	MW#93-2	Sodium	2750	5	mg/l	FALSE
2/27/2018	MW#93-2	Sodium	2220	0	mg/l	FALSE
9/27/2018	MW#93-2	Sodium	2660	5	mg/l	FALSE
5/7/2019	MW#93-2	Sodium	2470	5	mg/l	FALSE
11/21/2019	MW#93-2	Sodium	2500	5	mg/l	FALSE
6/25/2020	MW#93-2	SODIUM	2660	0	mg/l	FALSE
11/16/2020	MW#93-2	SODIUM	2800	0	mg/l	FALSE
5/26/2021	MW#93-2	SODIUM	2680	10	mg/l	FALSE
11/17/2021	MW#93-2	SODIUM	2560	10	mg/l	FALSE
4/8/2022	MW#93-2	SODIUM	2580	10	mg/l	FALSE
11/16/2020	MW#93-2	SPECIFIC CONDUCTANCE	12700	0	mg/l	FALSE
12/15/1994	MW#93-2	Specific Conductance	7950	0	std	FALSE
3/14/1995	MW#93-2	Specific Conductance	8217	0	std	FALSE
6/21/1995	MW#93-2	Specific Conductance	9210	0	std	FALSE
12/14/1995	MW#93-2	Specific Conductance	9000	0	std	FALSE
3/6/1996	MW#93-2	Specific Conductance	8820	0	std	FALSE
4/25/1996	MW#93-2	Specific Conductance	9310	0	std	FALSE
10/2/1996	MW#93-2	Specific Conductance	9420	0	std	FALSE
12/10/1996	MW#93-2	Specific Conductance	9590	0	std	FALSE
3/11/1997	MW#93-2	Specific Conductance	9250	0	std	FALSE
4/15/1997	MW#93-2	Specific Conductance	9690	0	std	FALSE
8/14/1997	MW#93-2	Specific Conductance	10660	0	std	FALSE
12/4/1997	MW#93-2	Specific Conductance	10240	0	std	FALSE
3/31/1998	MW#93-2	Specific Conductance	9237	0	std	FALSE
6/23/1998	MW#93-2	Specific Conductance	10400	0	std	FALSE
8/11/1998	MW#93-2	Specific Conductance	11460	0	std	FALSE
12/8/1998	MW#93-2	Specific Conductance	10280	0	std	FALSE
3/9/1999	MW#93-2	Specific Conductance	9240	0	std	FALSE
6/8/1999	MW#93-2	Specific Conductance	10850	0	std	FALSE
8/19/1999	MW#93-2	Specific Conductance	10873	0	std	FALSE
12/14/1999	MW#93-2	Specific Conductance	9690	0	std	FALSE
3/7/2000	MW#93-2	Specific Conductance	9340	0	std	FALSE
6/23/2000	MW#93-2	Specific Conductance	1034	0	std	FALSE
12/12/2000	MW#93-2	Specific Conductance	9080	0	std	FALSE
3/27/2001	MW#93-2	Specific Conductance	10260	0	std	FALSE
6/28/2001	MW#93-2	Specific Conductance	11600	0	std	FALSE

9/10/2001	MW#93-2	Specific Conductance	10700	0	std	FALSE	
12/18/2001	MW#93-2	Specific Conductance	10660	0	std	FALSE	
3/19/2002	MW#93-2	Specific Conductance	10197	0	std	FALSE	
6/26/2002	MW#93-2	Specific Conductance	10590	0	std	FALSE	
9/18/2002	MW#93-2	Specific Conductance	9690	0	std	FALSE	
12/11/2002	MW#93-2	Specific Conductance	10283	0	std	FALSE	
3/13/2003	MW#93-2	Specific Conductance	8920	0	std	FALSE	
6/25/2003	MW#93-2	Specific Conductance	10590	0	std	FALSE	
9/26/2003	MW#93-2	Specific Conductance	10693	0	std	FALSE	
12/10/2003	MW#93-2	Specific Conductance	10550	0	std	FALSE	
3/9/2004	MW#93-2	Specific Conductance	10620	0	std	FALSE	
6/24/2004	MW#93-2	Specific Conductance	10494	0	std	FALSE	
9/15/2004	MW#93-2	Specific Conductance	10340	0	std	FALSE	
12/15/2004	MW#93-2	Specific Conductance	9940	0	std	FALSE	
3/16/2005	MW#93-2	Specific Conductance	9690	0	std	FALSE	
6/15/2005	MW#93-2	Specific Conductance	10010	0	std	FALSE	
9/21/2005	MW#93-2	Specific Conductance	9660	0	std	FALSE	
12/21/2005	MW#93-2	Specific Conductance	10000	0	std	FALSE	
3/15/2006	MW#93-2	Specific Conductance	8650	0	std	FALSE	
6/21/2006	MW#93-2	Specific Conductance	9830	0	std	FALSE	
12/20/2006	MW#93-2	Specific Conductance	8310	0	std	FALSE	
2/21/2007	MW#93-2	Specific Conductance	7660	0	std	FALSE	
6/12/2007	MW#93-2	Specific Conductance	9590	0	std	FALSE	
12/17/2007	MW#93-2	Specific Conductance	9100	0	std	FALSE	
6/11/2008	MW#93-2	Specific Conductance	9600	0	std	FALSE	
12/3/2008	MW#93-2	Specific Conductance	10520	0	std	FALSE	
12/15/2008	MW#93-2	Specific Conductance	9070	0	std	FALSE	
6/17/2009	MW#93-2	Specific Conductance	10690	0	std	FALSE	
12/9/2009	MW#93-2	Specific Conductance	10050	0	std	FALSE	
6/17/2010	MW#93-2	Specific Conductance	10020	0	std	FALSE	
12/22/2010	MW#93-2	Specific Conductance	11230	0	std	FALSE	
6/29/2011	MW#93-2	Specific Conductance	11110	0	std	FALSE	
12/7/2011	MW#93-2	Specific Conductance	10770	0	std	FALSE	
6/6/2012	MW#93-2	Specific Conductance	10490	0	std	FALSE	
12/12/2012	MW#93-2	Specific Conductance	11460	0	std	FALSE	
6/19/2013	MW#93-2	Specific Conductance	10500	0	std	FALSE	
12/11/2013	MW#93-2	Specific Conductance	10650	0	std	FALSE	
6/11/2014	MW#93-2	Specific Conductance	9940	0	std	FALSE	
12/3/2014	MW#93-2	Specific Conductance	10900	1	umhos/cm	FALSE	
6/17/2015	MW#93-2	Specific Conductance	1270	1	umhos/cm	FALSE	
12/1/2015	MW#93-2	Specific Conductance	10560	1	umhos/cm	FALSE	
6/22/2016	MW#93-2	Specific Conductance	6710	1	umhos/cm	FALSE	
12/20/2016	MW#93-2	Specific Conductance	11400	1	umhos/cm	FALSE	
6/6/2017	MW#93-2	Specific Conductance	12590	1	umhos/cm	FALSE	
11/7/2017	MW#93-2	Specific Conductance	10.52	1	umhos/cm	FALSE	
2/27/2018	MW#93-2	Specific Conductance	10.9	1	umhos/cm	FALSE	
9/19/2018	MW#93-2	Specific Conductance	15700	1	umhos/cm	FALSE	
5/7/2019	MW#93-2	Specific Conductance	15700	20	umhos/cm	FALSE	
11/21/2019	MW#93-2	Specific Conductance	15400	20	umhos/cm	FALSE	
6/25/2020	MW#93-2	SPECIFIC CONDUCTANCE	12200	0	umhos/cm	FALSE	
5/26/2021	MW#93-2	SPECIFIC CONDUCTANCE	13300	10	umhos/cm	FALSE	
11/17/2021	MW#93-2	SPECIFIC CONDUCTANCE	15000	10	umhos/cm	FALSE	
4/8/2022	MW#93-2	SPECIFIC CONDUCTANCE	13700	10	umhos/cm	FALSE	
12/15/1994	MW#93-2	Sulfate	2000	0	mg/l	FALSE	

3/14/1995	MW#93-2	Sulfate	1550	0	mg/l	FALSE
6/21/1995	MW#93-2	Sulfate	185	0	mg/l	FALSE
12/14/1995	MW#93-2	Sulfate	2367	0	mg/l	FALSE
3/6/1996	MW#93-2	Sulfate	2150	0	mg/l	FALSE
4/25/1996	MW#93-2	Sulfate	2000	0	mg/l	FALSE
10/2/1996	MW#93-2	Sulfate	3267	0	mg/l	FALSE
12/10/1996	MW#93-2	Sulfate	4000	0	mg/l	FALSE
3/11/1997	MW#93-2	Sulfate	1700	0	mg/l	FALSE
4/15/1997	MW#93-2	Sulfate	1500	0	mg/l	FALSE
8/14/1997	MW#93-2	Sulfate	3650	0	mg/l	FALSE
12/4/1997	MW#93-2	Sulfate	4300	0	mg/l	FALSE
3/31/1998	MW#93-2	Sulfate	2500	0	mg/l	FALSE
6/23/1998	MW#93-2	Sulfate	3250	0	mg/l	FALSE
8/11/1998	MW#93-2	Sulfate	3050	0	mg/l	FALSE
12/8/1998	MW#93-2	Sulfate	3050	0	mg/l	FALSE
3/9/1999	MW#93-2	Sulfate	3600	0	mg/l	FALSE
6/8/1999	MW#93-2	Sulfate	3150	0	mg/l	FALSE
8/19/1999	MW#93-2	Sulfate	1897	0	mg/l	FALSE
12/14/1999	MW#93-2	Sulfate	2500	0	mg/l	FALSE
3/7/2000	MW#93-2	Sulfate	3400	0	mg/l	FALSE
6/23/2000	MW#93-2	Sulfate	3400	0	mg/l	FALSE
12/12/2000	MW#93-2	Sulfate	3000	0	mg/l	FALSE
3/27/2001	MW#93-2	Sulfate	2133	0	mg/l	FALSE
6/28/2001	MW#93-2	Sulfate	2750	0	mg/l	FALSE
9/10/2001	MW#93-2	Sulfate	2650	0	mg/l	FALSE
12/18/2001	MW#93-2	Sulfate	2950	0	mg/l	FALSE
3/19/2002	MW#93-2	Sulfate	2967	0	mg/l	FALSE
6/26/2002	MW#93-2	Sulfate	3050	0	mg/l	FALSE
9/18/2002	MW#93-2	Sulfate	2900	0	mg/l	FALSE
12/11/2002	MW#93-2	Sulfate	2933	0	mg/l	FALSE
3/13/2003	MW#93-2	Sulfate	2900	0	mg/l	FALSE
6/25/2003	MW#93-2	Sulfate	2700	0	mg/l	FALSE
9/26/2003	MW#93-2	Sulfate	2767	0	mg/l	FALSE
12/10/2003	MW#93-2	Sulfate	2700	0	mg/l	FALSE
3/9/2004	MW#93-2	Sulfate	2550	0	mg/l	FALSE
6/24/2004	MW#93-2	Sulfate	2650	0	mg/l	FALSE
9/15/2004	MW#93-2	Sulfate	2700	0	mg/l	FALSE
12/15/2004	MW#93-2	Sulfate	2950	0	mg/l	FALSE
3/16/2005	MW#93-2	Sulfate	3200	0	mg/l	FALSE
6/15/2005	MW#93-2	Sulfate	2650	0	mg/l	FALSE
9/21/2005	MW#93-2	Sulfate	3200	0	mg/l	FALSE
12/21/2005	MW#93-2	Sulfate	3200	0	mg/l	FALSE
3/15/2006	MW#93-2	Sulfate	3000	0	mg/l	FALSE
6/21/2006	MW#93-2	Sulfate	2700	0	mg/l	FALSE
12/20/2006	MW#93-2	Sulfate	2500	0	mg/l	FALSE
2/21/2007	MW#93-2	Sulfate	1900	0	mg/l	FALSE
6/12/2007	MW#93-2	Sulfate	2400	0	mg/l	FALSE
12/17/2007	MW#93-2	Sulfate	3100	0	mg/l	FALSE
6/11/2008	MW#93-2	Sulfate	2350	0	mg/l	FALSE
12/3/2008	MW#93-2	Sulfate	3300	0	mg/l	FALSE
12/15/2008	MW#93-2	Sulfate	2400	0	mg/l	FALSE
6/17/2009	MW#93-2	Sulfate	2300	0	mg/l	FALSE
12/9/2009	MW#93-2	Sulfate	2200	0	mg/l	FALSE
6/17/2010	MW#93-2	Sulfate	2900	0	mg/l	FALSE

12/22/2010	MW#93-2	Sulfate	3460	0	mg/l	FALSE
6/29/2011	MW#93-2	Sulfate	2630	0	mg/l	FALSE
12/7/2011	MW#93-2	Sulfate	2520	0	mg/l	FALSE
6/6/2012	MW#93-2	Sulfate	2360	0	mg/l	FALSE
12/12/2012	MW#93-2	Sulfate	3240	0	mg/l	FALSE
6/19/2013	MW#93-2	Sulfate	2510	0	mg/l	FALSE
12/11/2013	MW#93-2	Sulfate	2460	0	mg/l	FALSE
6/11/2014	MW#93-2	Sulfate	2790	0	mg/l	FALSE
12/3/2014	MW#93-2	Sulfate	2940	500	mg/l	FALSE
6/17/2015	MW#93-2	Sulfate	114	5	mg/l	FALSE
12/1/2015	MW#93-2	Sulfate	3600	250	mg/l	FALSE
6/22/2016	MW#93-2	Sulfate	2620	100	mg/l	FALSE
12/20/2016	MW#93-2	Sulfate	3800	250	mg/l	FALSE
6/6/2017	MW#93-2	Sulfate	3630	5	mg/l	FALSE
11/7/2017	MW#93-2	Sulfate	4340	5	mg/l	FALSE
2/27/2018	MW#93-2	Sulfate	3870	5	mg/l	FALSE
9/27/2018	MW#93-2	Sulfate	3680	500	mg/l	FALSE
5/7/2019	MW#93-2	Sulfate	3890	500	mg/l	FALSE
11/21/2019	MW#93-2	Sulfate	12.4	5	mg/l	FALSE
6/25/2020	MW#93-2	SULFATE	523	0	mg/l	FALSE
11/16/2020	MW#93-2	SULFATE	5040	0	mg/l	FALSE
5/26/2021	MW#93-2	SULFATE	5100	500	mg/l	FALSE
11/17/2021	MW#93-2	SULFATE	5940	500	mg/l	FALSE
4/8/2022	MW#93-2	SULFATE	4920	250	mg/l	FALSE
5/24/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-2	Thallium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-2	Thallium	0	0.001	mg/L	TRUE
2/11/2020	MW#93-2	Thallium	0	0.01	mg/L	TRUE
6/25/2020	MW#93-2	THALLIUM	0	0.001	mg/L	TRUE
11/16/2020	MW#93-2	THALLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-2	THALLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-2	THALLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#93-2	THALLIUM	0	0.001	mg/L	TRUE
6/6/2012	MW#93-2	Total Dissolved Solids	7530	10	mg/L	FALSE
12/12/2012	MW#93-2	Total Dissolved Solids	7920	10	mg/L	FALSE
6/19/2013	MW#93-2	Total Dissolved Solids	7280	10	mg/L	FALSE
12/11/2013	MW#93-2	Total Dissolved Solids	7440	10	mg/L	FALSE
6/11/2014	MW#93-2	Total Dissolved Solids	7160	10	mg/L	FALSE
12/3/2014	MW#93-2	Total Dissolved Solids	7700	10	mg/L	FALSE
6/17/2015	MW#93-2	Total Dissolved Solids	730	10	mg/L	FALSE
12/1/2015	MW#93-2	Total Dissolved Solids	7950	10	mg/L	FALSE
6/22/2016	MW#93-2	Total Dissolved Solids	3160	10	mg/L	FALSE
12/20/2016	MW#93-2	Total Dissolved Solids	8780	10	mg/L	FALSE
6/6/2017	MW#93-2	Total Dissolved Solids	7350	10	mg/L	FALSE
11/7/2017	MW#93-2	Total Dissolved Solids	7820	10	mg/L	FALSE
2/27/2018	MW#93-2	Total Dissolved Solids	7560	10	mg/L	FALSE
9/27/2018	MW#93-2	Total Dissolved Solids	8890	10	mg/L	FALSE
5/7/2019	MW#93-2	Total Dissolved Solids	8480	10	mg/L	FALSE

11/21/2019	MW#93-2	Total Dissolved Solids	8400	20	mg/L	FALSE
6/25/2020	MW#93-2	Total Dissolved Solids	8860	0	mg/L	FALSE
11/16/2020	MW#93-2	Total Dissolved Solids	46400	0	mg/l	FALSE
5/26/2021	MW#93-2	Total Dissolved Solids	7520	200	mg/l	FALSE
11/17/2021	MW#93-2	Total Dissolved Solids	8020	200	mg/l	FALSE
4/8/2022	MW#93-2	Total Dissolved Solids	10000	10	mg/L	FALSE
12/15/1994	MW#93-3	Alkalinity	240	0	mg/l	FALSE
12/14/1995	MW#93-3	Alkalinity	206	0	mg/l	FALSE
3/6/1996	MW#93-3	Alkalinity	226	0	mg/l	FALSE
4/25/1996	MW#93-3	Alkalinity	228	0	mg/l	FALSE
10/2/1996	MW#93-3	Alkalinity	240	0	mg/l	FALSE
12/10/1996	MW#93-3	Alkalinity	225	0	mg/l	FALSE
3/11/1997	MW#93-3	Alkalinity	210	0	mg/l	FALSE
4/15/1997	MW#93-3	Alkalinity	200	0	mg/l	FALSE
8/14/1997	MW#93-3	Alkalinity	255	0	mg/l	FALSE
12/4/1997	MW#93-3	Alkalinity	140	0	mg/l	FALSE
3/31/1998	MW#93-3	Alkalinity	240	0	mg/l	FALSE
6/23/1998	MW#93-3	Alkalinity	225	0	mg/l	FALSE
8/11/1998	MW#93-3	Alkalinity	224	0	mg/l	FALSE
12/8/1998	MW#93-3	Alkalinity	214	0	mg/l	FALSE
3/9/1999	MW#93-3	Alkalinity	234	0	mg/l	FALSE
6/8/1999	MW#93-3	Alkalinity	236	0	mg/l	FALSE
8/19/1999	MW#93-3	Alkalinity	260	0	mg/l	FALSE
12/14/1999	MW#93-3	Alkalinity	300	0	mg/l	FALSE
3/7/2000	MW#93-3	Alkalinity	264	0	mg/l	FALSE
6/23/2000	MW#93-3	Alkalinity	244	0	mg/l	FALSE
12/12/2000	MW#93-3	Alkalinity	320	0	mg/l	FALSE
3/27/2001	MW#93-3	Alkalinity	254	0	mg/l	FALSE
6/28/2001	MW#93-3	Alkalinity	255	0	mg/l	FALSE
9/10/2001	MW#93-3	Alkalinity	332	0	mg/l	FALSE
12/18/2001	MW#93-3	Alkalinity	230	0	mg/l	FALSE
3/19/2002	MW#93-3	Alkalinity	255	0	mg/l	FALSE
6/26/2002	MW#93-3	Alkalinity	250	0	mg/l	FALSE
9/18/2002	MW#93-3	Alkalinity	268	0	mg/l	FALSE
12/11/2002	MW#93-3	Alkalinity	268	0	mg/l	FALSE
3/13/2003	MW#93-3	Alkalinity	247	0	mg/l	FALSE
6/25/2003	MW#93-3	Alkalinity	252	0	mg/l	FALSE
9/26/2003	MW#93-3	Alkalinity	244	0	mg/l	FALSE
12/10/2003	MW#93-3	Alkalinity	271	0	mg/l	FALSE
3/9/2004	MW#93-3	Alkalinity	284	0	mg/l	FALSE
6/24/2004	MW#93-3	Alkalinity	309	0	mg/l	FALSE
9/15/2004	MW#93-3	Alkalinity	264	0	mg/l	FALSE
12/15/2004	MW#93-3	Alkalinity	254	0	mg/l	FALSE
3/16/2005	MW#93-3	Alkalinity	290	0	mg/l	FALSE
6/15/2005	MW#93-3	Alkalinity	268	0	mg/l	FALSE
9/21/2005	MW#93-3	Alkalinity	264	0	mg/l	FALSE
12/21/2005	MW#93-3	Alkalinity	246	0	mg/l	FALSE
3/15/2006	MW#93-3	Alkalinity	227	0	mg/l	FALSE
6/21/2006	MW#93-3	Alkalinity	253	0	mg/l	FALSE
12/20/2006	MW#93-3	Alkalinity	250	0	mg/l	FALSE
6/12/2007	MW#93-3	Alkalinity	280	0	mg/l	FALSE
12/17/2007	MW#93-3	Alkalinity	290	0	mg/l	FALSE
6/11/2008	MW#93-3	Alkalinity	300	0	mg/l	FALSE
12/3/2008	MW#93-3	Alkalinity	226	0	mg/l	FALSE

6/17/2009	MW#93-3	Alkalinity	240	0	mg/l	FALSE
12/9/2009	MW#93-3	Alkalinity	214	0	mg/l	FALSE
6/17/2010	MW#93-3	Alkalinity	296	0	mg/l	FALSE
12/22/2010	MW#93-3	Alkalinity	230	0	mg/l	FALSE
6/29/2011	MW#93-3	Alkalinity	256	0	mg/l	FALSE
12/7/2011	MW#93-3	Alkalinity	244	0	mg/l	FALSE
6/6/2012	MW#93-3	Alkalinity	288	0	mg/l	FALSE
12/12/2012	MW#93-3	Alkalinity	226	0	mg/l	FALSE
6/19/2013	MW#93-3	Alkalinity	316	0	mg/l	FALSE
12/11/2013	MW#93-3	Alkalinity	262	0	mg/l	FALSE
6/11/2014	MW#93-3	Alkalinity	338	0	mg/l	FALSE
12/3/2014	MW#93-3	Alkalinity	262	2	mg/l	FALSE
6/17/2015	MW#93-3	Alkalinity	388	2	mg/l	FALSE
5/25/2016	MW#93-3	Alkalinity	440	2	mg/l	FALSE
6/22/2016	MW#93-3	Alkalinity	330	2	mg/l	FALSE
12/20/2016	MW#93-3	Alkalinity	330.4	10	mg/l	FALSE
6/6/2017	MW#93-3	Alkalinity	304	10	mg/l	FALSE
11/7/2017	MW#93-3	Alkalinity	409	5	mg/l	FALSE
2/27/2018	MW#93-3	Alkalinity	368	2	mg/l	FALSE
9/27/2018	MW#93-3	Alkalinity	375	12	mg/l	FALSE
5/7/2019	MW#93-3	Alkalinity	585	12	mg/l	FALSE
11/21/2019	MW#93-3	Alkalinity	525	12	mg/l	FALSE
6/25/2020	MW#93-3	ALKALINITY	619	0	mg/l	FALSE
11/16/2020	MW#93-3	ALKALINITY	549	0	mg/l	FALSE
5/26/2021	MW#93-3	ALKALINITY	576	0	mg/l	FALSE
11/17/2021	MW#93-3	ALKALINITY	527	0	mg/l	FALSE
4/8/2022	MW#93-3	ALKALINITY	590	20	mg/l	FALSE
11/21/2019	MW#93-3	Antimony	0	0.002	mg/L	TRUE
12/20/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
11/20/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
10/18/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
9/19/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
8/22/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
7/19/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
6/19/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
5/24/2018	MW#93-3	Antimony	0	0.01	mg/L	TRUE
6/25/2020	MW#93-3	ANTIMONY	0	0.005	mg/l	TRUE
11/16/2020	MW#93-3	ANTIMONY	0	0.005	mg/l	TRUE
5/26/2021	MW#93-3	ANTIMONY	0	0.005	mg/l	TRUE
11/17/2021	MW#93-3	ANTIMONY	0	0.005	mg/l	TRUE
4/8/2022	MW#93-3	ANTIMONY	0	0.005	mg/L	TRUE
6/12/2007	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
12/17/2007	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
6/11/2008	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
12/3/2008	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
6/17/2009	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
12/9/2009	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
6/17/2010	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
12/22/2010	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
6/29/2011	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
12/7/2011	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
6/6/2012	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
12/12/2012	MW#93-3	Arsenic	0	0.005	mg/L	TRUE
6/19/2013	MW#93-3	Arsenic	0	0.005	mg/L	TRUE

12/11/2013	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
6/11/2014	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
12/3/2014	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
6/17/2015	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
12/1/2015	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
6/22/2016	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
12/20/2016	MW#93-3 Arsenic	0	0.0005	mg/L	TRUE
6/6/2017	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
11/7/2017	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
2/27/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
5/24/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
6/19/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
7/19/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
8/22/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
9/19/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
9/27/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
10/18/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
11/20/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
12/20/2018	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
5/7/2019	MW#93-3 Arsenic	0	0.005	mg/L	TRUE
11/21/2019	MW#93-3 Arsenic	0	0.001	mg/L	TRUE
6/25/2020	MW#93-3 Arsenic	0.000572	0	mg/l	FALSE
11/16/2020	MW#93-3 Arsenic	0.00059	0	mg/l	FALSE
5/26/2021	MW#93-3 Arsenic	0.000522	0	mg/l	FALSE
11/17/2021	MW#93-3 Arsenic	0.00062	0.001	mg/l	FALSE
4/8/2022	MW#93-3 ARSENIC	0.000685	0.001	mg/l	FALSE
5/24/2018	MW#93-3 Barium	0.214	0	mg/L	FALSE
6/19/2018	MW#93-3 Barium	0.201	0	mg/L	FALSE
7/19/2018	MW#93-3 Barium	0.259	0	mg/L	FALSE
8/22/2018	MW#93-3 Barium	0.184	0	mg/L	FALSE
9/19/2018	MW#93-3 Barium	0.228	0	mg/L	FALSE
10/18/2018	MW#93-3 Barium	0.241	0	mg/L	FALSE
11/20/2018	MW#93-3 Barium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-3 Barium	0.259	0	mg/L	FALSE
11/21/2019	MW#93-3 Barium	0.116	0	mg/L	FALSE
6/25/2020	MW#93-3 BARIUM	0.0604	0	mg/l	FALSE
11/16/2020	MW#93-3 BARIUM	0.0604	0	mg/l	FALSE
5/26/2021	MW#93-3 BARIUM	0.0627	0	mg/l	FALSE
11/17/2021	MW#93-3 BARIUM	0.0604	0	mg/l	FALSE
4/8/2022	MW#93-3 BARIUM	0.064	0.005	mg/l	FALSE
5/24/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-3 Beryllium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-3 Beryllium	0	0.001	mg/L	TRUE
6/25/2020	MW#93-3 BERYLLIUM	0	0.001	mg/L	TRUE
11/16/2020	MW#93-3 BERYLLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-3 BERYLLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-3 BERYLLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#93-3 BERYLLIUM	0	0.001	mg/L	TRUE

10/11/2016	MW#93-3 Boron	0.079	0	mg/L	FALSE
12/20/2016	MW#93-3 Boron	0.08	0	mg/L	FALSE
2/16/2017	MW#93-3 Boron	0.126	0	mg/L	FALSE
3/8/2017	MW#93-3 Boron	0.09	0	mg/L	FALSE
5/9/2017	MW#93-3 Boron	0.139	0	mg/L	FALSE
6/6/2017	MW#93-3 Boron	0	0.025	mg/L	TRUE
8/22/2017	MW#93-3 Boron	0.119	0	mg/L	FALSE
9/22/2017	MW#93-3 Boron	0.118	0	mg/L	FALSE
11/7/2017	MW#93-3 Boron	0	0.1	mg/L	TRUE
2/27/2018	MW#93-3 Boron	0.089	0	mg/L	FALSE
9/27/2018	MW#93-3 Boron	0	0.1	mg/L	TRUE
5/7/2019	MW#93-3 Boron	0	0.1	mg/L	TRUE
11/21/2019	MW#93-3 Boron	0	0.2	mg/L	TRUE
6/25/2020	MW#93-3 BORON	0.0726	0	mg/l	FALSE
11/16/2020	MW#93-3 BORON	0.0762	0.2	mg/l	FALSE
5/26/2021	MW#93-3 BORON	0.0889	0.2	mg/l	FALSE
11/17/2021	MW#93-3 BORON	0.0912	0.2	mg/l	FALSE
4/8/2022	MW#93-3 BORON	0.0765	0.2	mg/l	FALSE
5/24/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
6/19/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
7/19/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
8/22/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
9/19/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
10/18/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
11/20/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
12/20/2018	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
11/21/2019	MW#93-3 Cadmium	0	0.001	mg/L	TRUE
6/25/2020	MW#93-3 CADMIUM	0	0.001	mg/L	TRUE
11/16/2020	MW#93-3 CADMIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-3 CADMIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-3 CADMIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#93-3 CADMIUM	0	0.001	mg/l	TRUE
6/6/2012	MW#93-3 Calcium	86.4	0.5	mg/L	FALSE
12/12/2012	MW#93-3 Calcium	97	0.5	mg/L	FALSE
6/19/2013	MW#93-3 Calcium	163	0.5	mg/L	FALSE
12/11/2013	MW#93-3 Calcium	102	0.5	mg/L	FALSE
6/11/2014	MW#93-3 Calcium	49.5	0.5	mg/L	FALSE
12/3/2014	MW#93-3 Calcium	31.7	0.5	mg/L	FALSE
6/17/2015	MW#93-3 Calcium	43.4	0.5	mg/L	FALSE
12/1/2015	MW#93-3 Calcium	58	0.5	mg/L	FALSE
6/22/2016	MW#93-3 Calcium	95.6	0.5	mg/L	FALSE
12/20/2016	MW#93-3 Calcium	82.1	0.5	mg/L	FALSE
6/6/2017	MW#93-3 Calcium	56	0.5	mg/L	FALSE
11/7/2017	MW#93-3 Calcium	80.2	0.5	mg/L	FALSE
2/27/2018	MW#93-3 Calcium	91.8	0.5	mg/L	FALSE
9/27/2018	MW#93-3 Calcium	94.8	0.5	mg/L	FALSE
11/20/2018	MW#93-3 Calcium	0	0.5	mg/L	TRUE
5/7/2019	MW#93-3 Calcium	110	0.5	mg/L	FALSE
11/21/2019	MW#93-3 Calcium	107	0.5	mg/L	FALSE
6/25/2020	MW#93-3 CALCIUM	92.2	0	mg/L	FALSE
11/16/2020	MW#93-3 CALCIUM	82.8	0	mg/l	FALSE
5/26/2021	MW#93-3 CALCIUM	75.1	1	mg/l	FALSE
11/17/2021	MW#93-3 CALCIUM	80.7	1	mg/l	FALSE
4/8/2022	MW#93-3 CALCIUM	80.2	1	mg/l	FALSE

12/15/1994	MW#93-3 Chloride	440	0	mg/l	FALSE
3/14/1995	MW#93-3 Chloride	420	0	mg/l	FALSE
6/21/1995	MW#93-3 Chloride	420	0	mg/l	FALSE
12/14/1995	MW#93-3 Chloride	406	0	mg/l	FALSE
3/6/1996	MW#93-3 Chloride	368	0	mg/l	FALSE
4/25/1996	MW#93-3 Chloride	384	0	mg/l	FALSE
10/2/1996	MW#93-3 Chloride	430	0	mg/l	FALSE
12/10/1996	MW#93-3 Chloride	377	0	mg/l	FALSE
3/11/1997	MW#93-3 Chloride	375	0	mg/l	FALSE
4/15/1997	MW#93-3 Chloride	400	0	mg/l	FALSE
8/14/1997	MW#93-3 Chloride	916	0	mg/l	FALSE
12/4/1997	MW#93-3 Chloride	249	0	mg/l	FALSE
3/31/1998	MW#93-3 Chloride	275	0	mg/l	FALSE
6/23/1998	MW#93-3 Chloride	246	0	mg/l	FALSE
8/11/1998	MW#93-3 Chloride	500	0	mg/l	FALSE
12/8/1998	MW#93-3 Chloride	260	0	mg/l	FALSE
3/9/1999	MW#93-3 Chloride	280	0	mg/l	FALSE
6/8/1999	MW#93-3 Chloride	214	0	mg/l	FALSE
8/19/1999	MW#93-3 Chloride	260	0	mg/l	FALSE
12/14/1999	MW#93-3 Chloride	200	0	mg/l	FALSE
3/7/2000	MW#93-3 Chloride	232	0	mg/l	FALSE
6/23/2000	MW#93-3 Chloride	270	0	mg/l	FALSE
12/12/2000	MW#93-3 Chloride	196	0	mg/l	FALSE
3/27/2001	MW#93-3 Chloride	190	0	mg/l	FALSE
6/28/2001	MW#93-3 Chloride	180	0	mg/l	FALSE
9/10/2001	MW#93-3 Chloride	202	0	mg/l	FALSE
12/18/2001	MW#93-3 Chloride	149	0	mg/l	FALSE
3/19/2002	MW#93-3 Chloride	203	0	mg/l	FALSE
6/26/2002	MW#93-3 Chloride	180	0	mg/l	FALSE
9/18/2002	MW#93-3 Chloride	185	0	mg/l	FALSE
12/11/2002	MW#93-3 Chloride	178	0	mg/l	FALSE
3/13/2003	MW#93-3 Chloride	207	0	mg/l	FALSE
6/25/2003	MW#93-3 Chloride	190	0	mg/l	FALSE
9/26/2003	MW#93-3 Chloride	158	0	mg/l	FALSE
12/10/2003	MW#93-3 Chloride	140	0	mg/l	FALSE
3/9/2004	MW#93-3 Chloride	13	0	mg/l	FALSE
6/24/2004	MW#93-3 Chloride	160	0	mg/l	FALSE
9/15/2004	MW#93-3 Chloride	139	0	mg/l	FALSE
12/15/2004	MW#93-3 Chloride	122	0	mg/l	FALSE
3/16/2005	MW#93-3 Chloride	180	0	mg/l	FALSE
6/15/2005	MW#93-3 Chloride	150	0	mg/l	FALSE
9/21/2005	MW#93-3 Chloride	215	0	mg/l	FALSE
12/21/2005	MW#93-3 Chloride	180	0	mg/l	FALSE
3/15/2006	MW#93-3 Chloride	221	0	mg/l	FALSE
6/21/2006	MW#93-3 Chloride	210	0	mg/l	FALSE
12/20/2006	MW#93-3 Chloride	210	0	mg/l	FALSE
6/12/2007	MW#93-3 Chloride	110	0	mg/l	FALSE
12/17/2007	MW#93-3 Chloride	131	0	mg/l	FALSE
6/11/2008	MW#93-3 Chloride	144	0	mg/l	FALSE
12/3/2008	MW#93-3 Chloride	152	0	mg/l	FALSE
6/17/2009	MW#93-3 Chloride	120	0	mg/l	FALSE
12/9/2009	MW#93-3 Chloride	175	0	mg/l	FALSE
6/17/2010	MW#93-3 Chloride	150	0	mg/l	FALSE
12/22/2010	MW#93-3 Chloride	170	0	mg/l	FALSE

6/29/2011	MW#93-3	Chloride	170	0	mg/l	FALSE
12/7/2011	MW#93-3	Chloride	98.9	0	mg/l	FALSE
6/6/2012	MW#93-3	Chloride	194	0	mg/l	FALSE
12/12/2012	MW#93-3	Chloride	168	0	mg/l	FALSE
6/19/2013	MW#93-3	Chloride	194	0	mg/l	FALSE
12/11/2013	MW#93-3	Chloride	173	0	mg/l	FALSE
6/11/2014	MW#93-3	Chloride	254	0	mg/l	FALSE
12/3/2014	MW#93-3	Chloride	194	5	mg/l	FALSE
6/17/2015	MW#93-3	Chloride	168	5	mg/l	FALSE
12/1/2015	MW#93-3	Chloride	280	12	mg/l	FALSE
6/22/2016	MW#93-3	Chloride	518	25	mg/l	FALSE
12/20/2016	MW#93-3	Chloride	475	25	mg/l	FALSE
6/6/2017	MW#93-3	Chloride	113	5	mg/l	FALSE
11/7/2017	MW#93-3	Chloride	402	5	mg/l	FALSE
2/27/2018	MW#93-3	Chloride	435	5	mg/l	FALSE
9/27/2018	MW#93-3	Chloride	426	50	mg/l	FALSE
5/7/2019	MW#93-3	Chloride	421	50	mg/l	FALSE
11/21/2019	MW#93-3	Chloride	1070	50	mg/l	FALSE
6/25/2020	MW#93-3	CHLORIDE	143	0	mg/l	FALSE
11/16/2020	MW#93-3	CHLORIDE	187	0	mg/l	FALSE
5/26/2021	MW#93-3	CHLORIDE	232	5	mg/l	FALSE
11/17/2021	MW#93-3	CHLORIDE	183	5	mg/l	FALSE
4/8/2022	MW#93-3	CHLORIDE	231	5	mg/l	FALSE
5/24/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-3	Chromium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-3	Chromium	0	0.01	mg/L	TRUE
6/25/2020	MW#93-3	CHROMIUM	0	0.02	mg/L	TRUE
11/16/2020	MW#93-3	CHROMIUM	0	0.02	mg/l	TRUE
5/26/2021	MW#93-3	CHROMIUM	0	0.02	mg/l	TRUE
11/17/2021	MW#93-3	CHROMIUM	0	0.02	mg/l	TRUE
4/8/2022	MW#93-3	CHROMIUM	0	0.02	mg/L	TRUE
11/21/2019	MW#93-3	Cobalt	0	0.006	mg/L	TRUE
12/20/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
11/20/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
10/18/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
9/19/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
8/22/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
7/19/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
6/19/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
5/24/2018	MW#93-3	Cobalt	0	0.01	mg/L	TRUE
6/25/2020	MW#93-3	COBALT	0	0.002	mg/L	TRUE
11/16/2020	MW#93-3	COBALT	0	0.002	mg/l	TRUE
5/26/2021	MW#93-3	COBALT	0	0.002	mg/l	TRUE
11/17/2021	MW#93-3	COBALT	0	0.002	mg/l	TRUE
4/8/2022	MW#93-3	COBALT	0	0.002	mg/l	TRUE
10/11/2016	MW#93-3	Fluoride	0.15	0	mg/L	FALSE
12/20/2016	MW#93-3	Fluoride	0.23	0	mg/L	FALSE
2/16/2017	MW#93-3	Fluoride	0.2	0	mg/L	FALSE

3/8/2017	MW#93-3	Fluoride	0.22	0	mg/L	FALSE
5/9/2017	MW#93-3	Fluoride	0.18	0	mg/L	FALSE
6/6/2017	MW#93-3	Fluoride	0.24	0	mg/L	FALSE
8/22/2017	MW#93-3	Fluoride	0.23	0	mg/L	FALSE
9/22/2017	MW#93-3	Fluoride	0.2	0	mg/L	FALSE
11/7/2017	MW#93-3	Fluoride	0.2	0	mg/L	FALSE
2/27/2018	MW#93-3	Fluoride	0.21	0	mg/L	FALSE
5/24/2018	MW#93-3	Fluoride	0.23	0	mg/L	FALSE
6/19/2018	MW#93-3	Fluoride	0.223	0	mg/L	FALSE
7/19/2018	MW#93-3	Fluoride	0	0.21	mg/L	TRUE
8/22/2018	MW#93-3	Fluoride	0	0.2	mg/L	TRUE
9/19/2018	MW#93-3	Fluoride	0.389	0	mg/L	FALSE
10/18/2018	MW#93-3	Fluoride	0	0.2	mg/L	TRUE
11/20/2018	MW#93-3	Fluoride	0.283	0	mg/L	FALSE
12/20/2018	MW#93-3	Fluoride	0	0.2	mg/L	TRUE
5/7/2019	MW#93-3	Fluoride	0	0.2	mg/L	TRUE
11/21/2019	MW#93-3	Fluoride	0	0.2	mg/L	TRUE
6/25/2020	MW#93-3	FLUORIDE	0.252	0	mg/L	FALSE
11/16/2020	MW#93-3	FLUORIDE	0.27	0	mg/l	FALSE
5/26/2021	MW#93-3	FLUORIDE	0.233	0.15	mg/l	FALSE
11/17/2021	MW#93-3	FLUORIDE	0.329	0.15	mg/l	FALSE
4/8/2022	MW#93-3	FLUORIDE	0.19	0.15	mg/l	FALSE
5/24/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
6/19/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
7/19/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
8/22/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
9/19/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
10/18/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
11/20/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
12/20/2018	MW#93-3	Lead	0	0.005	mg/L	TRUE
11/21/2019	MW#93-3	Lead	0	0.001	mg/L	TRUE
6/25/2020	MW#93-3	LEAD	0	0.002	mg/L	TRUE
11/16/2020	MW#93-3	LEAD	0	0.002	mg/l	TRUE
5/26/2021	MW#93-3	LEAD	0	0.002	mg/l	TRUE
11/17/2021	MW#93-3	LEAD	0	0.002	mg/l	TRUE
4/8/2022	MW#93-3	LEAD	0	0.002	mg/l	TRUE
5/24/2018	MW#93-3	Lithium	0.178	0	mg/L	FALSE
6/19/2018	MW#93-3	Lithium	0.162	0	mg/L	FALSE
7/19/2018	MW#93-3	Lithium	0	0.015	mg/L	TRUE
8/22/2018	MW#93-3	Lithium	0.159	0	mg/L	FALSE
9/19/2018	MW#93-3	Lithium	0.16	0	mg/L	FALSE
10/18/2018	MW#93-3	Lithium	0.164	0	mg/L	FALSE
11/20/2018	MW#93-3	Lithium	0.187	0	mg/L	FALSE
12/20/2018	MW#93-3	Lithium	0.168	0	mg/L	FALSE
11/21/2019	MW#93-3	Lithium	0.182	0	mg/L	FALSE
6/25/2020	MW#93-3	LITHIUM	0.124	0	mg/l	FALSE
11/16/2020	MW#93-3	LITHIUM	0.128	0	mg/l	FALSE
5/26/2021	MW#93-3	LITHIUM	0.127	0.015	mg/l	FALSE
11/17/2021	MW#93-3	LITHIUM	0.124	0.015	mg/l	FALSE
4/8/2022	MW#93-3	LITHIUM	0.135	0.015	mg/l	FALSE
5/24/2018	MW#93-3	Mercury	0.000787	0	mg/L	FALSE
6/19/2018	MW#93-3	Mercury	0.000367	0	mg/L	FALSE
7/19/2018	MW#93-3	Mercury	0.00033	0	mg/L	FALSE
8/22/2018	MW#93-3	Mercury	0.000514	0	mg/L	FALSE

9/19/2018	MW#93-3	Mercury	0.000428	0	mg/L	FALSE
10/18/2018	MW#93-3	Mercury	0.000579	0	mg/L	FALSE
11/20/2018	MW#93-3	Mercury	0.000577	0	mg/L	FALSE
12/20/2018	MW#93-3	Mercury	0.000245	0	mg/L	FALSE
11/21/2019	MW#93-3	Mercury	0.000861	0	mg/L	FALSE
6/25/2020	MW#93-3	MERCURY	0	0.0002	mg/L	TRUE
11/16/2020	MW#93-3	MERCURY	0.00031	0	mg/l	FALSE
5/26/2021	MW#93-3	MERCURY	0.000348	0.0002	mg/l	FALSE
11/17/2021	MW#93-3	MERCURY	0.000572	0.0002	mg/l	FALSE
4/8/2022	MW#93-3	MERCURY	0.000945	0.0002	mg/l	FALSE
5/24/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
6/19/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
7/19/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
8/22/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
9/19/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
10/18/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
11/20/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
12/20/2018	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
11/21/2019	MW#93-3	Molybdenum	0	0.01	mg/L	TRUE
6/25/2020	MW#93-3	MOLYBDENUM	0	0.005	mg/L	TRUE
11/16/2020	MW#93-3	MOLYBDENUM	0	0.005	mg/l	TRUE
5/26/2021	MW#93-3	MOLYBDENUM	0	0.005	mg/l	TRUE
11/17/2021	MW#93-3	MOLYBDENUM	0	0.005	mg/l	TRUE
4/8/2022	MW#93-3	MOLYBDENUM	0.000858	0.005	mg/l	FALSE
12/15/1994	MW#93-3	ph	6.68	0	std	FALSE
3/14/1995	MW#93-3	ph	6.74	0	std	FALSE
6/21/1995	MW#93-3	ph	6.61	0	std	FALSE
12/14/1995	MW#93-3	ph	6.75	0	std	FALSE
3/6/1996	MW#93-3	ph	6.85	0	std	FALSE
4/25/1996	MW#93-3	ph	6.78	0	std	FALSE
10/2/1996	MW#93-3	ph	6.75	0	std	FALSE
12/10/1996	MW#93-3	ph	6.7	0	std	FALSE
3/11/1997	MW#93-3	ph	6.8	0	std	FALSE
4/15/1997	MW#93-3	ph	6.74	0	std	FALSE
8/14/1997	MW#93-3	ph	6.88	0	std	FALSE
12/4/1997	MW#93-3	ph	6.88	0	std	FALSE
3/31/1998	MW#93-3	ph	6.92	0	std	FALSE
6/23/1998	MW#93-3	ph	6.76	0	std	FALSE
8/11/1998	MW#93-3	ph	6.91	0	std	FALSE
12/8/1998	MW#93-3	ph	6.93	0	std	FALSE
3/9/1999	MW#93-3	ph	6.78	0	std	FALSE
6/8/1999	MW#93-3	ph	6.85	0	std	FALSE
8/19/1999	MW#93-3	ph	6.97	0	std	FALSE
12/14/1999	MW#93-3	ph	6.8	0	std	FALSE
3/7/2000	MW#93-3	ph	6.77	0	std	FALSE
6/23/2000	MW#93-3	ph	6.82	0	std	FALSE
12/12/2000	MW#93-3	ph	6.86	0	std	FALSE
3/27/2001	MW#93-3	ph	6.79	0	std	FALSE
6/28/2001	MW#93-3	ph	6.86	0	std	FALSE
9/10/2001	MW#93-3	ph	7.04	0	std	FALSE
12/18/2001	MW#93-3	ph	6.93	0	std	FALSE
3/19/2002	MW#93-3	ph	7	0	std	FALSE
6/26/2002	MW#93-3	ph	6.89	0	std	FALSE
9/18/2002	MW#93-3	ph	7.96	0	std	FALSE

12/11/2002	MW#93-3	ph	6.74	0	std	FALSE
3/13/2003	MW#93-3	ph	6.87	0	std	FALSE
6/25/2003	MW#93-3	ph	6.85	0	std	FALSE
9/26/2003	MW#93-3	ph	6.77	0	std	FALSE
12/10/2003	MW#93-3	ph	6.99	0	std	FALSE
3/9/2004	MW#93-3	ph	7.45	0	std	FALSE
6/24/2004	MW#93-3	ph	6.8	0	std	FALSE
9/15/2004	MW#93-3	ph	6.7	0	std	FALSE
12/15/2004	MW#93-3	ph	6.88	0	std	FALSE
3/16/2005	MW#93-3	ph	6.69	0	std	FALSE
6/15/2005	MW#93-3	ph	6.81	0	std	FALSE
9/21/2005	MW#93-3	ph	6.85	0	std	FALSE
12/21/2005	MW#93-3	ph	6.7	0	std	FALSE
3/15/2006	MW#93-3	ph	7.07	0	std	FALSE
6/21/2006	MW#93-3	ph	6.84	0	std	FALSE
12/20/2006	MW#93-3	ph	6.93	0	std	FALSE
6/12/2007	MW#93-3	ph	6.89	0	std	FALSE
12/17/2007	MW#93-3	ph	6.8	0	std	FALSE
6/11/2008	MW#93-3	ph	6.8	0	std	FALSE
12/3/2008	MW#93-3	ph	6.8	0	std	FALSE
6/17/2009	MW#93-3	ph	7.2	0	std	FALSE
12/9/2009	MW#93-3	ph	6.9	0	std	FALSE
6/17/2010	MW#93-3	ph	6.7	0	std	FALSE
12/22/2010	MW#93-3	ph	6.82	0	std	FALSE
6/29/2011	MW#93-3	ph	6.7	0	std	FALSE
12/7/2011	MW#93-3	ph	6.77	0	std	FALSE
6/6/2012	MW#93-3	ph	6.42	0	std	FALSE
12/12/2012	MW#93-3	ph	6.85	0	std	FALSE
6/19/2013	MW#93-3	ph	6.49	0	std	FALSE
12/11/2013	MW#93-3	ph	7.07	0	std	FALSE
6/11/2014	MW#93-3	ph	6.08	0	std	FALSE
12/3/2014	MW#93-3	ph	6.8	0	std	FALSE
6/17/2015	MW#93-3	ph	6.4	0	std	FALSE
12/1/2015	MW#93-3	ph	6.6	0	std	FALSE
6/22/2016	MW#93-3	ph	6.43	0	std	FALSE
12/20/2016	MW#93-3	ph	6.27	0	std	FALSE
6/6/2017	MW#93-3	ph	6.65	0	std	FALSE
11/7/2017	MW#93-3	ph	6.46	0	std	FALSE
2/27/2018	MW#93-3	ph	6.49	0	std	FALSE
9/19/2018	MW#93-3	ph	6.55	0	std	FALSE
5/7/2019	MW#93-3	ph	6.69	0	std	FALSE
11/21/2019	MW#93-3	ph	6.54	0	std	FALSE
6/26/2020	MW#93-3	ph	6.75	0	std	FALSE
11/16/2020	MW#93-3	ph	6.24	0	std	FALSE
5/26/2021	MW#93-3	ph	6.71	0	std	FALSE
11/17/2021	MW#93-3	ph	6.92	0	std	FALSE
4/7/2022	MW#93-3	ph	6.79	0	std	FALSE
11/16/2020	MW#93-3	RADIUM COMBINED	0.7	0	mg/l	FALSE
5/26/2021	MW#93-3	RADIUM COMBINED	0.42	0	mg/l	FALSE
11/17/2021	MW#93-3	RADIUM COMBINED	1.783	0	mg/l	FALSE
11/21/2019	MW#93-3	Radium Combined	1.03	1	pCi/L	FALSE
12/20/2018	MW#93-3	Radium Combined	1.39	1	pCi/L	FALSE
11/20/2018	MW#93-3	Radium Combined	1.42	1	pCi/L	FALSE
10/18/2018	MW#93-3	Radium Combined	1.45	1	pCi/L	FALSE

9/19/2018	MW#93-3	Radium Combined	0.3	1	pCi/L	FALSE
8/22/2018	MW#93-3	Radium Combined	1	1	pCi/L	FALSE
7/19/2018	MW#93-3	Radium Combined	0.519	1	pCi/L	FALSE
6/22/2018	MW#93-3	Radium Combined	0.336	1	pCi/L	FALSE
5/24/2018	MW#93-3	Radium Combined	0.422	1	pCi/L	FALSE
6/25/2020	MW#93-3	RADIUM COMBINED	0.519	0	pCi/L	FALSE
4/8/2022	MW#93-3	RADIUM COMBINED	0.555	0	pCi/L	FALSE
5/24/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
6/19/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
7/19/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
8/22/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
9/19/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
10/18/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
11/20/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
12/20/2018	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
11/21/2019	MW#93-3	Selenium 0	0.005	mg/L	TRUE	
6/25/2020	MW#93-3	SELENIUM	0	0.002	mg/L	TRUE
11/16/2020	MW#93-3	SELENIUM	0	0.002	mg/l	TRUE
5/26/2021	MW#93-3	SELENIUM	0	0.002	mg/l	TRUE
11/17/2021	MW#93-3	SELENIUM	0	0.002	mg/l	TRUE
4/8/2022	MW#93-3	SELENIUM	0	0.002	mg/l	TRUE
12/15/1994	MW#93-3	Sodium	330	0	mg/l	FALSE
12/14/1995	MW#93-3	Sodium	219	0	mg/l	FALSE
12/10/1996	MW#93-3	Sodium	248	0	mg/l	FALSE
12/4/1997	MW#93-3	Sodium	201	0	mg/l	FALSE
12/8/1998	MW#93-3	Sodium	199	0	mg/l	FALSE
12/14/1999	MW#93-3	Sodium	208	0	mg/l	FALSE
12/12/2000	MW#93-3	Sodium	230	0	mg/l	FALSE
12/18/2001	MW#93-3	Sodium	172	0	mg/l	FALSE
3/19/2002	MW#93-3	Sodium	222	0	mg/l	FALSE
6/26/2002	MW#93-3	Sodium	189	0	mg/l	FALSE
9/18/2002	MW#93-3	Sodium	163	0	mg/l	FALSE
12/11/2002	MW#93-3	Sodium	216	0	mg/l	FALSE
3/13/2003	MW#93-3	Sodium	230	0	mg/l	FALSE
6/25/2003	MW#93-3	Sodium	190	0	mg/l	FALSE
9/26/2003	MW#93-3	Sodium	229	0	mg/l	FALSE
12/10/2003	MW#93-3	Sodium	231	0	mg/l	FALSE
3/9/2004	MW#93-3	Sodium	30.8	0	mg/l	FALSE
6/24/2004	MW#93-3	Sodium	150	0	mg/l	FALSE
9/15/2004	MW#93-3	Sodium	200	0	mg/l	FALSE
12/15/2004	MW#93-3	Sodium	186	0	mg/l	FALSE
3/16/2005	MW#93-3	Sodium	196	0	mg/l	FALSE
6/15/2005	MW#93-3	Sodium	170	0	mg/l	FALSE
9/21/2005	MW#93-3	Sodium	239	0	mg/l	FALSE
12/21/2005	MW#93-3	Sodium	180	0	mg/l	FALSE
3/15/2006	MW#93-3	Sodium	180	0	mg/l	FALSE
6/21/2006	MW#93-3	Sodium	227	0	mg/l	FALSE
12/20/2006	MW#93-3	Sodium	211	0	mg/l	FALSE
6/12/2007	MW#93-3	Sodium	159	0	mg/l	FALSE
12/17/2007	MW#93-3	Sodium	194	0	mg/l	FALSE
6/11/2008	MW#93-3	Sodium	195	0	mg/l	FALSE
12/3/2008	MW#93-3	Sodium	190	0	mg/l	FALSE
6/17/2009	MW#93-3	Sodium	173	0	mg/l	FALSE
12/9/2009	MW#93-3	Sodium	202	0	mg/l	FALSE

6/17/2010	MW#93-3	Sodium	202	0	mg/l	FALSE
12/22/2010	MW#93-3	Sodium	216	0	mg/l	FALSE
6/29/2011	MW#93-3	Sodium	158	0	mg/l	FALSE
12/7/2011	MW#93-3	Sodium	218	0	mg/l	FALSE
6/6/2012	MW#93-3	Sodium	201	0	mg/l	FALSE
12/12/2012	MW#93-3	Sodium	168	0	mg/l	FALSE
6/19/2013	MW#93-3	Sodium	235	0	mg/l	FALSE
12/11/2013	MW#93-3	Sodium	234	0	mg/l	FALSE
6/11/2014	MW#93-3	Sodium	258	0	mg/l	FALSE
12/3/2014	MW#93-3	Sodium	220	0	mg/l	FALSE
6/17/2015	MW#93-3	Sodium	280	0	mg/l	FALSE
12/1/2015	MW#93-3	Sodium	339	0	mg/l	FALSE
6/22/2016	MW#93-3	Sodium	449	2	mg/l	FALSE
10/11/2016	MW#93-3	Sodium	368	0	mg/l	FALSE
12/20/2016	MW#93-3	Sodium	337	12	mg/l	FALSE
6/6/2017	MW#93-3	Sodium	301	12	mg/l	FALSE
11/7/2017	MW#93-3	Sodium	368	5	mg/l	FALSE
2/27/2018	MW#93-3	Sodium	272	0	mg/l	FALSE
9/27/2018	MW#93-3	Sodium	372	0	mg/l	FALSE
5/7/2019	MW#93-3	Sodium	412	0	mg/l	FALSE
11/21/2019	MW#93-3	Sodium	403	0	mg/l	FALSE
6/25/2020	MW#93-3	SODIUM	376	0	mg/l	FALSE
11/16/2020	MW#93-3	SODIUM	374	0	mg/l	FALSE
5/26/2021	MW#93-3	SODIUM	355	2	mg/l	FALSE
11/17/2021	MW#93-3	SODIUM	368	2	mg/l	FALSE
4/8/2022	MW#93-3	SODIUM	354	2	mg/l	FALSE
11/16/2020	MW#93-3	SPECIFIC CONDUCTANCE	2060	0	mg/l	FALSE
12/15/1994	MW#93-3	Specific Conductance	1762	0	std	FALSE
3/14/1995	MW#93-3	Specific Conductance	1490	0	std	FALSE
6/21/1995	MW#93-3	Specific Conductance	1421	0	std	FALSE
12/14/1995	MW#93-3	Specific Conductance	1534	0	std	FALSE
3/6/1996	MW#93-3	Specific Conductance	1327	0	std	FALSE
4/25/1996	MW#93-3	Specific Conductance	1570	0	std	FALSE
10/2/1996	MW#93-3	Specific Conductance	1657	0	std	FALSE
12/10/1996	MW#93-3	Specific Conductance	1427	0	std	FALSE
3/11/1997	MW#93-3	Specific Conductance	1370	0	std	FALSE
4/15/1997	MW#93-3	Specific Conductance	1244	0	std	FALSE
8/14/1997	MW#93-3	Specific Conductance	1351	0	std	FALSE
12/4/1997	MW#93-3	Specific Conductance	1140	0	std	FALSE
3/31/1998	MW#93-3	Specific Conductance	1172	0	std	FALSE
6/23/1998	MW#93-3	Specific Conductance	1214	0	std	FALSE
8/11/1998	MW#93-3	Specific Conductance	1296	0	std	FALSE
12/8/1998	MW#93-3	Specific Conductance	1177	0	std	FALSE
3/9/1999	MW#93-3	Specific Conductance	1137	0	std	FALSE
6/8/1999	MW#93-3	Specific Conductance	1180	0	std	FALSE
8/19/1999	MW#93-3	Specific Conductance	1253	0	std	FALSE
12/14/1999	MW#93-3	Specific Conductance	1088	0	std	FALSE
3/7/2000	MW#93-3	Specific Conductance	1250	0	std	FALSE
6/23/2000	MW#93-3	Specific Conductance	1070	0	std	FALSE
12/12/2000	MW#93-3	Specific Conductance	1051	0	std	FALSE
3/27/2001	MW#93-3	Specific Conductance	1149	0	std	FALSE
6/28/2001	MW#93-3	Specific Conductance	1155	0	std	FALSE
9/10/2001	MW#93-3	Specific Conductance	1250	0	std	FALSE
12/18/2001	MW#93-3	Specific Conductance	1064	0	std	FALSE

3/19/2002	MW#93-3	Specific Conductance	1240	0	std	FALSE	
6/26/2002	MW#93-3	Specific Conductance	787	0	std	FALSE	
9/18/2002	MW#93-3	Specific Conductance	1109	0	std	FALSE	
12/11/2002	MW#93-3	Specific Conductance	1125	0	std	FALSE	
3/13/2003	MW#93-3	Specific Conductance	1034	0	std	FALSE	
6/25/2003	MW#93-3	Specific Conductance	1111	0	std	FALSE	
9/26/2003	MW#93-3	Specific Conductance	1109	0	std	FALSE	
12/10/2003	MW#93-3	Specific Conductance	1173	0	std	FALSE	
3/9/2004	MW#93-3	Specific Conductance	881	0	std	FALSE	
6/24/2004	MW#93-3	Specific Conductance	1129	0	std	FALSE	
9/15/2004	MW#93-3	Specific Conductance	1068	0	std	FALSE	
12/15/2004	MW#93-3	Specific Conductance	972	0	std	FALSE	
3/16/2005	MW#93-3	Specific Conductance	1134	0	std	FALSE	
6/15/2005	MW#93-3	Specific Conductance	1080	0	std	FALSE	
9/21/2005	MW#93-3	Specific Conductance	1155	0	std	FALSE	
12/21/2005	MW#93-3	Specific Conductance	1140	0	std	FALSE	
3/15/2006	MW#93-3	Specific Conductance	1035	0	std	FALSE	
6/21/2006	MW#93-3	Specific Conductance	1226	0	std	FALSE	
12/20/2006	MW#93-3	Specific Conductance	1087	0	std	FALSE	
6/12/2007	MW#93-3	Specific Conductance	1031	0	std	FALSE	
12/17/2007	MW#93-3	Specific Conductance	910	0	std	FALSE	
6/11/2008	MW#93-3	Specific Conductance	1023	0	std	FALSE	
12/3/2008	MW#93-3	Specific Conductance	1073	0	std	FALSE	
6/17/2009	MW#93-3	Specific Conductance	1073	0	std	FALSE	
12/9/2009	MW#93-3	Specific Conductance	1038	0	std	FALSE	
6/17/2010	MW#93-3	Specific Conductance	1108	0	std	FALSE	
12/22/2010	MW#93-3	Specific Conductance	1090	0	std	FALSE	
6/29/2011	MW#93-3	Specific Conductance	1178	0	std	FALSE	
12/7/2011	MW#93-3	Specific Conductance	930	0	std	FALSE	
6/6/2012	MW#93-3	Specific Conductance	1203	0	std	FALSE	
12/12/2012	MW#93-3	Specific Conductance	1010	0	std	FALSE	
6/19/2013	MW#93-3	Specific Conductance	1438	0	std	FALSE	
12/11/2013	MW#93-3	Specific Conductance	1252	0	std	FALSE	
6/11/2014	MW#93-3	Specific Conductance	1500	0	std	FALSE	
12/3/2014	MW#93-3	Specific Conductance	1200	1	umhos/cm	FALSE	
6/17/2015	MW#93-3	Specific Conductance	1480	1	umhos/cm	FALSE	
12/1/2015	MW#93-3	Specific Conductance	1807	1	umhos/cm	FALSE	
10/11/2016	MW#93-3	Specific Conductance	2005	1	umhos/cm	FALSE	
12/20/2016	MW#93-3	Specific Conductance	2200	1	umhos/cm	FALSE	
6/6/2017	MW#93-3	Specific Conductance	1743	1	umhos/cm	FALSE	
11/7/2017	MW#93-3	Specific Conductance	2121	1	umhos/cm	FALSE	
9/6/2018	MW#93-3	Specific Conductance	2380	10	umhos/cm	FALSE	
9/19/2018	MW#93-3	Specific Conductance	2110	5	umhos/cm	FALSE	
5/7/2019	MW#93-3	Specific Conductance	2830	4	umhos/cm	FALSE	
11/21/2019	MW#93-3	Specific Conductance	2200	5	umhos/cm	FALSE	
6/25/2020	MW#93-3	SPECIFIC CONDUCTANCE	2080	0	umhos/cm	FALSE	
5/26/2021	MW#93-3	SPECIFIC CONDUCTANCE	2130	10	umhos/cm	FALSE	
11/17/2021	MW#93-3	SPECIFIC CONDUCTANCE	2240	10	umhos/cm	FALSE	
4/8/2022	MW#93-3	SPECIFIC CONDUCTANCE	2160	10	umhos/cm	FALSE	
12/15/1994	MW#93-3	Sulfate	0	10	mg/l	TRUE	
3/14/1995	MW#93-3	Sulfate	0	10	mg/l	TRUE	
6/21/1995	MW#93-3	Sulfate	10	0	mg/l	FALSE	
12/14/1995	MW#93-3	Sulfate	0	10	mg/l	TRUE	
3/6/1996	MW#93-3	Sulfate	10	0	mg/l	FALSE	

4/25/1996	MW#93-3	Sulfate	0	10	mg/l	TRUE
10/2/1996	MW#93-3	Sulfate	11	0	mg/l	FALSE
12/10/1996	MW#93-3	Sulfate	10	0	mg/l	FALSE
3/11/1997	MW#93-3	Sulfate	12	0	mg/l	FALSE
4/15/1997	MW#93-3	Sulfate	15	0	mg/l	FALSE
8/14/1997	MW#93-3	Sulfate	11	0	mg/l	FALSE
12/4/1997	MW#93-3	Sulfate	8	0	mg/l	FALSE
3/31/1998	MW#93-3	Sulfate	45	0	mg/l	FALSE
6/23/1998	MW#93-3	Sulfate	4	0	mg/l	FALSE
8/11/1998	MW#93-3	Sulfate	9	0	mg/l	FALSE
12/8/1998	MW#93-3	Sulfate	2	0	mg/l	FALSE
3/9/1999	MW#93-3	Sulfate	0	10	mg/l	TRUE
6/8/1999	MW#93-3	Sulfate	3	0	mg/l	FALSE
8/19/1999	MW#93-3	Sulfate	0	10	mg/l	TRUE
12/14/1999	MW#93-3	Sulfate	0	10	mg/l	TRUE
3/7/2000	MW#93-3	Sulfate	13	0	mg/l	FALSE
6/23/2000	MW#93-3	Sulfate	14	0	mg/l	FALSE
12/12/2000	MW#93-3	Sulfate	7	0	mg/l	FALSE
3/27/2001	MW#93-3	Sulfate	3	0	mg/l	FALSE
6/28/2001	MW#93-3	Sulfate	0	10	mg/l	TRUE
9/10/2001	MW#93-3	Sulfate	20	0	mg/l	FALSE
12/18/2001	MW#93-3	Sulfate	19	0	mg/l	FALSE
3/19/2002	MW#93-3	Sulfate	8	0	mg/l	FALSE
6/26/2002	MW#93-3	Sulfate	8	0	mg/l	FALSE
9/18/2002	MW#93-3	Sulfate	8	0	mg/l	FALSE
12/11/2002	MW#93-3	Sulfate	6	0	mg/l	FALSE
3/13/2003	MW#93-3	Sulfate	18	0	mg/l	FALSE
6/25/2003	MW#93-3	Sulfate	13	0	mg/l	FALSE
9/26/2003	MW#93-3	Sulfate	16	0	mg/l	FALSE
12/10/2003	MW#93-3	Sulfate	34	0	mg/l	FALSE
3/9/2004	MW#93-3	Sulfate	130	0	mg/l	FALSE
6/24/2004	MW#93-3	Sulfate	24	0	mg/l	FALSE
9/15/2004	MW#93-3	Sulfate	17	0	mg/l	FALSE
12/15/2004	MW#93-3	Sulfate	26	0	mg/l	FALSE
3/16/2005	MW#93-3	Sulfate	29	0	mg/l	FALSE
6/15/2005	MW#93-3	Sulfate	26	0	mg/l	FALSE
9/21/2005	MW#93-3	Sulfate	19	0	mg/l	FALSE
12/21/2005	MW#93-3	Sulfate	23	0	mg/l	FALSE
3/15/2006	MW#93-3	Sulfate	19	0	mg/l	FALSE
6/21/2006	MW#93-3	Sulfate	21	0	mg/l	FALSE
12/20/2006	MW#93-3	Sulfate	42	0	mg/l	FALSE
6/12/2007	MW#93-3	Sulfate	3	0	mg/l	FALSE
12/17/2007	MW#93-3	Sulfate	28	0	mg/l	FALSE
6/11/2008	MW#93-3	Sulfate	27	0	mg/l	FALSE
12/3/2008	MW#93-3	Sulfate	11	0	mg/l	FALSE
6/17/2009	MW#93-3	Sulfate	16	0	mg/l	FALSE
12/9/2009	MW#93-3	Sulfate	12	0	mg/l	FALSE
6/17/2010	MW#93-3	Sulfate	45	0	mg/l	FALSE
12/22/2010	MW#93-3	Sulfate	25.8	0	mg/l	FALSE
6/29/2011	MW#93-3	Sulfate	34.2	0	mg/l	FALSE
12/7/2011	MW#93-3	Sulfate	37.4	0	mg/l	FALSE
6/6/2012	MW#93-3	Sulfate	38.3	0	mg/l	FALSE
12/12/2012	MW#93-3	Sulfate	25.8	0	mg/l	FALSE
6/19/2013	MW#93-3	Sulfate	61.6	0	mg/l	FALSE

12/11/2013	MW#93-3	Sulfate	26.5	0	mg/l	FALSE
6/11/2014	MW#93-3	Sulfate	56.2	0	mg/l	FALSE
12/3/2014	MW#93-3	Sulfate	36	5	mg/l	FALSE
6/17/2015	MW#93-3	Sulfate	109	5	mg/l	FALSE
12/1/2015	MW#93-3	Sulfate	81	12	mg/l	FALSE
6/22/2016	MW#93-3	Sulfate	58.5	25	mg/l	FALSE
12/20/2016	MW#93-3	Sulfate	66.6	5	mg/l	FALSE
6/6/2017	MW#93-3	Sulfate	18.2	5	mg/l	FALSE
11/7/2017	MW#93-3	Sulfate	80.3	5	mg/l	FALSE
2/27/2018	MW#93-3	Sulfate	64.2	5	mg/l	FALSE
9/27/2018	MW#93-3	Sulfate	75.8	5	mg/l	FALSE
5/7/2019	MW#93-3	Sulfate	105	5	mg/l	FALSE
11/21/2019	MW#93-3	Sulfate	40	10	500 mg/l	FALSE
6/25/2020	MW#93-3	SULFATE	328	0	mg/l	FALSE
11/16/2020	MW#93-3	SULFATE	258	0	mg/l	FALSE
5/26/2021	MW#93-3	SULFATE	226	25	mg/l	FALSE
11/17/2021	MW#93-3	SULFATE	286	25	mg/l	FALSE
4/8/2022	MW#93-3	SULFATE	202	25	mg/l	FALSE
5/24/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
6/19/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
7/19/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
8/22/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
9/19/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
10/18/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
11/20/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
12/20/2018	MW#93-3	Thallium	0	0.01	mg/L	TRUE
11/21/2019	MW#93-3	Thallium	0	0.001	mg/L	TRUE
2/11/2020	MW#93-3	Thallium	0	0.01	mg/L	TRUE
6/25/2020	MW#93-3	THALLIUM	0	0.001	mg/L	TRUE
11/16/2020	MW#93-3	THALLIUM	0	0.001	mg/l	TRUE
5/26/2021	MW#93-3	THALLIUM	0	0.001	mg/l	TRUE
11/17/2021	MW#93-3	THALLIUM	0	0.001	mg/l	TRUE
4/8/2022	MW#93-3	THALLIUM	0	0.001	mg/L	TRUE
6/6/2012	MW#93-3	Total Dissolved Solids	834	10	mg/L	FALSE
12/12/2012	MW#93-3	Total Dissolved Solids	669	10	mg/L	FALSE
6/19/2013	MW#93-3	Total Dissolved Solids	861	10	mg/L	FALSE
12/11/2013	MW#93-3	Total Dissolved Solids	697	10	mg/L	FALSE
6/11/2014	MW#93-3	Total Dissolved Solids	986	10	mg/L	FALSE
12/3/2014	MW#93-3	Total Dissolved Solids	743	10	mg/L	FALSE
6/17/2015	MW#93-3	Total Dissolved Solids	911	10	mg/L	FALSE
12/1/2015	MW#93-3	Total Dissolved Solids	1050	10	mg/L	FALSE
6/22/2016	MW#93-3	Total Dissolved Solids	1390	10	mg/L	FALSE
12/20/2016	MW#93-3	Total Dissolved Solids	1189	10	mg/L	FALSE
6/6/2017	MW#93-3	Total Dissolved Solids	780	10	mg/L	FALSE
11/7/2017	MW#93-3	Total Dissolved Solids	1250	10	mg/L	FALSE
2/27/2018	MW#93-3	Total Dissolved Solids	1190	10	mg/L	FALSE
9/27/2018	MW#93-3	Total Dissolved Solids	1420	10	mg/L	FALSE
5/7/2019	MW#93-3	Total Dissolved Solids	1510	10	mg/L	FALSE
11/21/2019	MW#93-3	Total Dissolved Solids	1550	10	mg/L	FALSE
6/25/2020	MW#93-3	Total Dissolved Solids	1310	0	mg/L	FALSE
11/16/2020	MW#93-3	Total Dissolved Solids	1310	0	mg/l	FALSE
5/26/2021	MW#93-3	Total Dissolved Solids	1240	20	mg/l	FALSE
11/17/2021	MW#93-3	Total Dissolved Solids	1120	10	mg/l	FALSE
4/8/2022	MW#93-3	Total Dissolved Solids	1300	10	mg/L	FALSE

10/3/2022	MW#03-2	Alkalinity	219	20	mg/l	FALSE		
10/3/2022	MW#03-2	Arsenic	0	0.001	mg/l	TRUE		
10/3/2022	MW#03-2	Barium	0.0281	0.005	mg/l	FALSE		
10/3/2022	MW#03-2	Boron	0	0.2	mg/l	TRUE		
10/3/2022	MW#03-2	Cadmium	0	0.001	mg/l	TRUE		
10/3/2022	MW#03-2	Calcium	257	1	mg/l	FALSE		
10/3/2022	MW#03-2	Chloride	370	5	mg/l	FALSE		
10/3/2022	MW#03-2	Cobalt	0	0.002	mg/l	TRUE		
10/3/2022	MW#03-2	Total Dissolved Solids	2060	25			FALSE	
10/3/2022	MW#03-2	Fluoride	0	0.15	mg/l	TRUE		
10/3/2022	MW#03-2	Lithium	0.00861	0.015	mg/l	FALSE		
10/3/2022	MW#03-2	Mercury	0.0014	0.0002	mg/l	FALSE		
10/3/2022	MW#03-2	Molybdenum	0	0.005	mg/l	TRUE		
10/3/2022	MW#03-2	Selenium	0	0.002	mg/l	TRUE		
10/3/2022	MW#03-2	Sodium	168	2	mg/l	FALSE		
10/3/2022	MW#03-2	Specific Conductance	2110	10	umhos/cm		FALSE	
10/3/2022	MW#03-2	Sulfate	363	25	mg/l	FALSE		
10/4/2022	MW#93-1	Alkalinity	405	20	mg/l	FALSE		
10/4/2022	MW#93-1	Arsenic	0.000393	0.001	mg/l	FALSE		
10/4/2022	MW#93-1	Barium	0.0189	0.005	mg/l	FALSE		
10/4/2022	MW#93-1	Boron	0.338	0.2	mg/l	FALSE		
10/4/2022	MW#93-1	Cadmium	0.000631	0.001	mg/l	FALSE		
10/4/2022	MW#93-1	Calcium	223	1	mg/l	FALSE		
10/4/2022	MW#93-1	Chloride	14.9	1	mg/l	FALSE		
10/4/2022	MW#93-1	Cobalt	0	0.002	mg/l	TRUE		
10/4/2022	MW#93-1	Total Dissolved Solids	1000	20			FALSE	
10/4/2022	MW#93-1	Fluoride	0.162	0.15	mg/l	FALSE		
10/4/2022	MW#93-1	Lithium	0	0.015	mg/l	TRUE		
10/4/2022	MW#93-1	Mercury	0	0.0002	mg/l	TRUE		
10/4/2022	MW#93-1	Molybdenum	0.00108	0.005	mg/l	FALSE		
10/4/2022	MW#93-1	Selenium	0	0.002	mg/l	TRUE		
10/4/2022	MW#93-1	Sodium	99.5	2	mg/l	FALSE		
10/4/2022	MW#93-1	Specific Conductance	1500	10	umhos/cm		FALSE	
10/4/2022	MW#93-1	Sulfate	446	25	mg/l	FALSE		
10/4/2022	MW#93-2	Alkalinity	83.4	20	mg/l	FALSE		
10/4/2022	MW#93-2	Alkalinity	83.8	20	mg/l	FALSE		
10/4/2022	MW#93-2	Arsenic	0.0535	0.01	mg/l	FALSE		
10/4/2022	MW#93-2	Arsenic	0.0556	0.01	mg/l	FALSE		
10/4/2022	MW#93-2	Barium	0.127	0.05	mg/l	FALSE		
10/4/2022	MW#93-2	Barium	0.132	0.05	mg/l	FALSE		
10/4/2022	MW#93-2	Boron	1.84	0.2	mg/l	FALSE		
10/4/2022	MW#93-2	Boron	1.92	0.2	mg/l	FALSE		
10/4/2022	MW#93-2	Cadmium	0	0.01	mg/l	TRUE		
10/4/2022	MW#93-2	Cadmium	0	0.01	mg/l	TRUE		
10/4/2022	MW#93-2	Calcium	217	10	mg/l	FALSE		
10/4/2022	MW#93-2	Calcium	235	10	mg/l	FALSE		
10/4/2022	MW#93-2	Chloride	1580	20	mg/l	FALSE		
10/4/2022	MW#93-2	Chloride	1590	20	mg/l	FALSE		
10/4/2022	MW#93-2	Cobalt	0	0.02	mg/l	TRUE		
10/4/2022	MW#93-2	Cobalt	0	0.02	mg/l	TRUE		
10/4/2022	MW#93-2	Total Dissolved Solids	8060	200			FALSE	
10/4/2022	MW#93-2	Total Dissolved Solids	8300	200			FALSE	
10/4/2022	MW#93-2	Fluoride	0	3	mg/l	TRUE		
10/4/2022	MW#93-2	Fluoride	0	3	mg/l	TRUE		

10/4/2022	MW#93-2	Lithium	0.0146	0.015	mg/l	FALSE	
10/4/2022	MW#93-2	Lithium	0.0151	0.015	mg/l	FALSE	
10/4/2022	MW#93-2	Mercury	0	0.0002	mg/l	TRUE	
10/4/2022	MW#93-2	Mercury	0	0.0002	mg/l	TRUE	
10/4/2022	MW#93-2	Molybdenum	1.87	0.05	mg/l	FALSE	
10/4/2022	MW#93-2	Molybdenum	1.97	0.05	mg/l	FALSE	
10/4/2022	MW#93-2	Selenium	0	0.02	mg/l	TRUE	
10/4/2022	MW#93-2	Selenium	0	0.02	mg/l	TRUE	
10/4/2022	MW#93-2	Sodium	2860	20	mg/l	FALSE	
10/4/2022	MW#93-2	Sodium	3140	20	mg/l	FALSE	
10/4/2022	MW#93-2	Specific Conductance	13500	10	umhos/cm	FALSE	
10/4/2022	MW#93-2	Specific Conductance	13600	10	umhos/cm	FALSE	
10/4/2022	MW#93-2	Sulfate	5470	500	mg/l	FALSE	
10/4/2022	MW#93-2	Sulfate	5690	500	mg/l	FALSE	
10/4/2022	MW#93-3	Alkalinity	581	20	mg/l	FALSE	
10/4/2022	MW#93-3	Arsenic	0.000641	0.001	mg/l	FALSE	
10/4/2022	MW#93-3	Barium	0.0503	0.005	mg/l	FALSE	
10/4/2022	MW#93-3	Boron	0.0927	0.2	mg/l	FALSE	
10/4/2022	MW#93-3	Cadmium	0	0.001	mg/l	TRUE	
10/4/2022	MW#93-3	Calcium	75.2	1	mg/l	FALSE	
10/4/2022	MW#93-3	Chloride	186	1	mg/l	FALSE	
10/4/2022	MW#93-3	Cobalt	0.000143	0.002	mg/l	FALSE	
10/4/2022	MW#93-3	Total Dissolved Solids	1230	25		FALSE	
10/4/2022	MW#93-3	Fluoride	0.278	0.15	mg/l	FALSE	
10/4/2022	MW#93-3	Lithium	0.137	0.015	mg/l	FALSE	
10/4/2022	MW#93-3	Mercury	0.00103	0.0002	mg/l	FALSE	
10/4/2022	MW#93-3	Molybdenum	0	0.005	mg/l	TRUE	
10/4/2022	MW#93-3	Selenium	0	0.002	mg/l	TRUE	
10/4/2022	MW#93-3	Sodium	381	2	mg/l	FALSE	
10/4/2022	MW#93-3	Specific Conductance	2020	10	umhos/cm	FALSE	
10/4/2022	MW#93-3	Sulfate	217	25	mg/l	FALSE	
10/3/2022	MW#03-2	RADIUM COMBINED	0.75	0	pCi/L	FALSE	
10/3/2022	MW#93-1	RADIUM COMBINED	0.0893	0	pCi/L	FALSE	
10/3/2022	MW#93-2	RADIUM COMBINED	2.049	0	pCi/L	FALSE	
10/3/2022	MW#93-2	RADIUM COMBINED	3.48	0	pCi/L	FALSE	
10/3/2022	MW#93-3	RADIUM COMBINED	0.282	0	pCi/L	FALSE	
10/3/2022	MW#03-2	ANTIMONY	0	0.005	mg/L	TRUE	
10/3/2022	MW#93-1	ANTIMONY	0	0.005	mg/L	TRUE	
10/3/2022	MW#93-2	ANTIMONY	0	0.005	mg/L	TRUE	
10/3/2022	MW#93-3	ANTIMONY	0	0.005	mg/L	TRUE	
10/3/2022	MW#03-2	BERYLLIUM	0	0.001	mg/L	TRUE	
10/3/2022	MW#93-1	BERYLLIUM	0	0.001	mg/L	TRUE	
10/3/2022	MW#93-2	BERYLLIUM	0	0.001	mg/L	TRUE	
10/3/2022	MW#93-3	BERYLLIUM	0	0.001	mg/L	TRUE	
10/3/2022	MW#03-2	CHROMIUM	0	0.02	mg/L	TRUE	
10/3/2022	MW#93-1	CHROMIUM	0	0.02	mg/L	TRUE	
10/3/2022	MW#93-2	CHROMIUM	0	0.02	mg/L	TRUE	
10/3/2022	MW#93-3	CHROMIUM	0	0.02	mg/L	TRUE	
10/3/2022	MW#03-2	LEAD	0	0.002	mg/l	TRUE	
10/3/2022	MW#93-1	LEAD	0	0.002	mg/l	TRUE	

10/3/2022	MW#93-2	LEAD	0	0.002	mg/l	TRUE
10/3/2022	MW#93-3	LEAD	0	0.002	mg/l	TRUE
10/3/2022	MW#03-2	ph	6.53	0	std	FALSE
10/3/2022	MW#93-1	ph	6.64	0	std	FALSE
10/3/2022	MW#93-2	ph	8.48	0	std	FALSE
10/3/2022	MW#93-3	ph	6.55	0	std	FALSE
10/3/2022	MW#03-2	THALLIUM	0	0.001	mg/L	TRUE
10/3/2022	MW#93-1	THALLIUM	0	0.001	mg/L	TRUE
10/3/2022	MW#93-2	THALLIUM	0	0.001	mg/L	TRUE
10/3/2022	MW#93-3	THALLIUM	0	0.001	mg/L	TRUE

Concentrations (ppb)

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 316

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 78

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	78	0 (0%)	12/15/1994	6.67	6.67
			3/14/1995	6.72	6.72
			6/21/1995	6.58	6.58
			12/14/1995	6.72	6.72
			3/6/1996	6.72	6.72
			4/25/1996	6.79	6.79
			10/2/1996	6.61	6.61
			12/10/1996	6.51	6.51
			3/11/1997	6.77	6.77
			4/15/1997	6.66	6.66
			8/14/1997	6.66	6.66
			12/4/1997	6.78	6.78
			3/31/1998	6.87	6.87
			6/23/1998	6.5	6.5
			8/11/1998	7.05	7.05
			12/8/1998	6.62	6.62
			3/9/1999	6.6	6.6
			6/8/1999	6.93	6.93
			8/19/1999	6.54	6.54
			12/14/1999	6.55	6.55
			3/7/2000	6.59	6.59
			6/23/2000	6.52	6.52
			12/12/2000	6.56	6.56
			3/27/2001	6.6	6.6
			6/28/2001	6.59	6.59
			9/10/2001	6.76	6.76
			12/18/2001	6.76	6.76
			3/19/2002	6.93	6.93
			6/26/2002	6.85	6.85
			9/18/2002	6.62	6.62
			12/11/2002	6.58	6.58
			3/13/2003	6.66	6.66
			6/25/2003	6.94	6.94
			9/26/2003	6.42	6.42
			12/10/2003	6.64	6.64
			3/9/2004	6.68	6.68
			6/24/2004	6.53	6.53
			9/15/2004	6.43	6.43
			12/15/2004	6.61	6.61
			3/16/2005	6.57	6.57
			6/15/2005	6.53	6.53
			9/21/2005	6.65	6.65
			12/21/2005	6.61	6.61
			3/15/2006	6.64	6.64
			6/21/2006	6.85	6.85

12/20/2006	6.67	6.67
6/12/2007	6.58	6.58
12/17/2007	6.33	6.33
6/11/2008	6.7	6.7
12/3/2008	6.5	6.5
6/17/2009	6.8	6.8
12/9/2009	6.6	6.6
6/17/2010	6.5	6.5
12/22/2010	6.55	6.55
6/29/2011	6.5	6.5
12/7/2011	6.41	6.41
6/6/2012	6.23	6.23
12/12/2012	6.61	6.61
6/19/2013	6.58	6.58
12/11/2013	6.57	6.57
6/11/2014	6.1	6.1
12/3/2014	6.69	6.69
6/17/2015	6.38	6.38
12/1/2015	6.45	6.45
6/22/2016	6.59	6.59
12/20/2016	6.28	6.28
6/6/2017	6.69	6.69
11/7/2017	6.21	6.21
2/27/2018	6.47	6.47
9/19/2018	6.62	6.62
5/7/2019	7	7
11/21/2019	6.46	6.46
6/26/2020	6.88	6.88
11/17/2020	6.45	6.45
5/26/2021	6.59	6.59
11/17/2021	7.17	7.17
4/7/2022	7.07	7.07
10/3/2022	6.64	6.64

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	37	0 (0%)	6/24/2004	7.27	7.27
			9/15/2004	6.78	6.78
			12/15/2004	7.32	7.32
			3/16/2005	7.3	7.3
			6/15/2005	7.28	7.28
			9/21/2005	7.88	7.88
			12/20/2006	7	7
			6/12/2007	7.29	7.29
			12/17/2007	6.8	6.8
			6/11/2008	7.4	7.4
			12/3/2008	7.4	7.4
			6/17/2009	7.6	7.6
			12/9/2009	7.5	7.5
			6/17/2010	7.1	7.1
			12/22/2010	6.89	6.89
			6/29/2011	7.3	7.3
			12/7/2011	7.05	7.05
			6/6/2012	7.33	7.33
			6/19/2013	7.15	7.15

12/11/2013	7.19	7.19
6/11/2014	6.62	6.62
12/3/2014	6.73	6.73
6/17/2015	6.66	6.66
12/1/2015	6.34	6.34
6/22/2016	7.2	7.2
12/20/2016	6.75	6.75
6/6/2017	6.64	6.64
11/7/2017	6.44	6.44
2/27/2018	6.81	6.81
9/19/2018	7.19	7.19
5/7/2019	6.33	6.33
11/21/2019	6.23	6.23
6/25/2020	6.77	6.77
11/17/2020	6.92	6.92
5/26/2021	5.58	5.58
11/16/2021	7.62	7.62
4/7/2022	6.2	6.2

MW#03-2	42	0 (0%)	6/24/2004	6.84	6.84
			9/15/2004	7.17	7.17
			12/15/2004	6.86	6.86
			3/16/2005	6.8	6.8
			6/15/2005	6.87	6.87
			9/21/2005	6.87	6.87
			12/21/2005	6.83	6.83
			3/15/2006	6.88	6.88
			6/21/2006	6.78	6.78
			12/20/2006	6.88	6.88
			6/12/2007	6.87	6.87
			12/17/2007	6.7	6.7
			6/11/2008	6.9	6.9
			12/3/2008	6.8	6.8
			6/17/2009	7.3	7.3
			12/9/2009	6.8	6.8
			6/17/2010	6.8	6.8
			12/22/2010	7.2	7.2
			6/29/2011	6.7	6.7
			12/7/2011	6.69	6.69
			6/6/2012	6.73	6.73
			12/12/2012	6.82	6.82
			6/19/2013	6.88	6.88
			12/11/2013	6.72	6.72
			6/11/2014	7	7
			12/3/2014	7.14	7.14
			6/17/2015	6.45	6.45
			12/1/2015	6.39	6.39
			6/22/2016	6.75	6.75
			12/20/2016	6.36	6.36
			6/6/2017	6.73	6.73
			11/7/2017	6.22	6.22
			2/27/2018	6.47	6.47
			9/19/2018	6.63	6.63
			5/7/2019	6.81	6.81
			11/21/2019	6.56	6.56
			6/25/2020	6.65	6.65
			11/17/2020	6.64	6.64

			5/26/2021	6.54	6.54
			11/17/2021	6.92	6.92
			4/7/2022	6.74	6.74
			10/3/2022	6.53	6.53
MW#93-2	81	0 (0%)	12/15/1994	8.54	8.54
			3/14/1995	8.82	8.82
			6/21/1995	8.68	8.68
			12/14/1995	8.16	8.16
			3/6/1996	9.37	9.37
			4/25/1996	9.14	9.14
			10/2/1996	8.94	8.94
			12/10/1996	9.27	9.27
			3/11/1997	8.95	8.95
			4/15/1997	9.25	9.25
			8/14/1997	8.67	8.67
			12/4/1997	8.77	8.77
			3/31/1998	9.32	9.32
			6/23/1998	8.87	8.87
			8/11/1998	9	9
			12/8/1998	8.9	8.9
			3/9/1999	9.39	9.39
			6/8/1999	9.25	9.25
			8/19/1999	9.15	9.15
			12/14/1999	8.98	8.98
			3/7/2000	9.2	9.2
			6/23/2000	9.18	9.18
			12/12/2000	9.18	9.18
			3/27/2001	9.29	9.29
			6/28/2001	9.22	9.22
			9/10/2001	9.1	9.1
			12/18/2001	9.4	9.4
			3/19/2002	9.54	9.54
			6/26/2002	9.44	9.44
			9/18/2002	9.24	9.24
			12/11/2002	9.16	9.16
			3/13/2003	9.28	9.28
			6/25/2003	9.27	9.27
			9/26/2003	9.32	9.32
			12/10/2003	9.25	9.25
			3/9/2004	9.37	9.37
			6/24/2004	9.24	9.24
			9/15/2004	9.32	9.32
			12/15/2004	9.26	9.26
			3/16/2005	9.23	9.23
			6/15/2005	9.1	9.1
			9/21/2005	9.25	9.25
			12/21/2005	9.31	9.31
			3/15/2006	9.47	9.47
			6/21/2006	9.4	9.4
			12/20/2006	9.18	9.18
			2/21/2007	9.2	9.2
			6/12/2007	9.1	9.1
			12/17/2007	9.3	9.3
			6/11/2008	9.4	9.4
			12/3/2008	9.7	9.7
			12/15/2008	9.6	9.6

6/17/2009	9.8	9.8
12/9/2009	9.8	9.8
6/17/2010	9.6	9.6
12/22/2010	9.5	9.5
6/29/2011	9.4	9.4
12/7/2011	9.5	9.5
6/6/2012	9.68	9.68
12/12/2012	10.02	10.02
1/9/2013	9.51	9.51
6/19/2013	9.4	9.4
12/11/2013	9.46	9.46
6/11/2014	8.55	8.55
12/3/2014	8.95	8.95
6/17/2015	9.13	9.13
12/1/2015	9.37	9.37
6/22/2016	9.28	9.28
12/20/2016	9.72	9.72
6/6/2017	9.29	9.29
11/7/2017	8.86	8.86
2/27/2018	9.04	9.04
9/19/2018	9.09	9.09
5/7/2019	9.05	9.05
11/21/2019	8.44	8.44
6/26/2020	8.59	8.59
11/16/2020	8.48	8.48
5/26/2021	8.74	8.74
11/17/2021	8.64	8.64
4/7/2022	8.82	8.82
10/3/2022	8.48	8.48

MW#93-3 78 0 (0%)

12/15/1994	6.68	6.68
3/14/1995	6.74	6.74
6/21/1995	6.61	6.61
12/14/1995	6.75	6.75
3/6/1996	6.85	6.85
4/25/1996	6.78	6.78
10/2/1996	6.75	6.75
12/10/1996	6.7	6.7
3/11/1997	6.8	6.8
4/15/1997	6.74	6.74
8/14/1997	6.88	6.88
12/4/1997	6.88	6.88
3/31/1998	6.92	6.92
6/23/1998	6.76	6.76
8/11/1998	6.91	6.91
12/8/1998	6.93	6.93
3/9/1999	6.78	6.78
6/8/1999	6.85	6.85
8/19/1999	6.97	6.97
12/14/1999	6.8	6.8
3/7/2000	6.77	6.77
6/23/2000	6.82	6.82
12/12/2000	6.86	6.86
3/27/2001	6.79	6.79
6/28/2001	6.86	6.86
9/10/2001	7.04	7.04
12/18/2001	6.93	6.93

3/19/2002	7	7
6/26/2002	6.89	6.89
9/18/2002	7.96	7.96
12/11/2002	6.74	6.74
3/13/2003	6.87	6.87
6/25/2003	6.85	6.85
9/26/2003	6.77	6.77
12/10/2003	6.99	6.99
3/9/2004	7.45	7.45
6/24/2004	6.8	6.8
9/15/2004	6.7	6.7
12/15/2004	6.88	6.88
3/16/2005	6.69	6.69
6/15/2005	6.81	6.81
9/21/2005	6.85	6.85
12/21/2005	6.7	6.7
3/15/2006	7.07	7.07
6/21/2006	6.84	6.84
12/20/2006	6.93	6.93
6/12/2007	6.89	6.89
12/17/2007	6.8	6.8
6/11/2008	6.8	6.8
12/3/2008	6.8	6.8
6/17/2009	7.2	7.2
12/9/2009	6.9	6.9
6/17/2010	6.7	6.7
12/22/2010	6.82	6.82
6/29/2011	6.7	6.7
12/7/2011	6.77	6.77
6/6/2012	6.42	6.42
12/12/2012	6.85	6.85
6/19/2013	6.49	6.49
12/11/2013	7.07	7.07
6/11/2014	6.08	6.08
12/3/2014	6.8	6.8
6/17/2015	6.4	6.4
12/1/2015	6.6	6.6
6/22/2016	6.43	6.43
12/20/2016	6.27	6.27
6/6/2017	6.65	6.65
11/7/2017	6.46	6.46
2/27/2018	6.49	6.49
9/19/2018	6.55	6.55
5/7/2019	6.69	6.69
11/21/2019	6.54	6.54
6/26/2020	6.75	6.75
11/16/2020	6.24	6.24
5/26/2021	6.71	6.71
11/17/2021	6.92	6.92
4/7/2022	6.79	6.79
10/3/2022	6.55	6.55

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 78

Maximum Background Value = 7.17

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/7/2022	1	6.2	FALSE
MW#03-2	10/3/2022	1	6.53	FALSE
MW#93-2	10/3/2022	1	8.48	TRUE
MW#93-3	10/3/2022	1	6.55	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: ph

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 77

Maximum Baseline Concentration = 10.02

Confidence Level = 98.7%

False Positive Rate = 1.3%

Baseline Measurements	Date	Value
	12/15/1994	8.54
	3/14/1995	8.82
	6/21/1995	8.68
	12/14/1995	8.16
	3/6/1996	9.37
	4/25/1996	9.14
	10/2/1996	8.94
	12/10/1996	9.27
	3/11/1997	8.95
	4/15/1997	9.25
	8/14/1997	8.67
	12/4/1997	8.77
	3/31/1998	9.32
	6/23/1998	8.87
	8/11/1998	9
	12/8/1998	8.9
	3/9/1999	9.39
	6/8/1999	9.25
	8/19/1999	9.15
	12/14/1999	8.98
	3/7/2000	9.2
	6/23/2000	9.18
	12/12/2000	9.18
	3/27/2001	9.29
	6/28/2001	9.22
	9/10/2001	9.1
	12/18/2001	9.4
	3/19/2002	9.54
	6/26/2002	9.44
	9/18/2002	9.24
	12/11/2002	9.16
	3/13/2003	9.28
	6/25/2003	9.27
	9/26/2003	9.32
	12/10/2003	9.25
	3/9/2004	9.37
	6/24/2004	9.24
	9/15/2004	9.32
	12/15/2004	9.26
	3/16/2005	9.23
	6/15/2005	9.1
	9/21/2005	9.25

12/21/2005	9.31
3/15/2006	9.47
6/21/2006	9.4
12/20/2006	9.18
2/21/2007	9.2
6/12/2007	9.1
12/17/2007	9.3
6/11/2008	9.4
12/3/2008	9.7
12/15/2008	9.6
6/17/2009	9.8
12/9/2009	9.8
6/17/2010	9.6
12/22/2010	9.5
6/29/2011	9.4
12/7/2011	9.5
6/6/2012	9.68
12/12/2012	10.02
1/9/2013	9.51
6/19/2013	9.4
12/11/2013	9.46
6/11/2014	8.55
12/3/2014	8.95
6/17/2015	9.13
12/1/2015	9.37
6/22/2016	9.28
12/20/2016	9.72
6/6/2017	9.29
11/7/2017	8.86
2/27/2018	9.04
9/19/2018	9.09
5/7/2019	9.05
11/21/2019	8.44
6/26/2020	8.59
11/16/2020	8.48

Date	Count	Mean	Significant
10/3/2022	1	8.48	FALSE

Shapiro-Francia Test of Normality

Parameter: ph

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 316

i	x(i)	m(i)	sum(m²)	sum(mx)
1	5.58	-2.74777	7.55021	-15.3325
2	6.08	-2.51213	13.861	-30.6063
3	6.1	-2.36561	19.4572	-45.0365
4	6.2	-2.25713	24.5518	-59.0307
5	6.21	-2.17009	29.2611	-72.507
6	6.22	-2.09693	33.6582	-85.5499
7	6.23	-2.01409	37.7148	-98.0977
8	6.23	-1.95996	41.5562	-110.308
9	6.24	-1.91103	45.2083	-122.233
10	6.27	-1.86629	48.6913	-133.935
11	6.28	-1.82501	52.022	-145.396
12	6.33	-1.78661	55.2139	-156.705
13	6.33	-1.7392	58.2388	-167.714
14	6.34	-1.70604	61.1493	-178.531
15	6.36	-1.67466	63.9538	-189.181
16	6.38	-1.64485	66.6594	-199.676
17	6.39	-1.61644	69.2722	-210.005
18	6.4	-1.58927	71.798	-220.176
19	6.41	-1.56322	74.2417	-230.196
20	6.42	-1.53007	76.5828	-240.019
21	6.42	-1.50626	78.8516	-249.689
22	6.43	-1.48328	81.0517	-259.227
23	6.43	-1.46106	83.1864	-268.621
24	6.44	-1.43953	85.2587	-277.892
25	6.45	-1.41865	87.2712	-287.042
26	6.45	-1.39175	89.2082	-296.019
27	6.45	-1.3722	91.0911	-304.87
28	6.46	-1.35317	92.9222	-313.611
29	6.46	-1.33462	94.7034	-322.233
30	6.47	-1.31652	96.4367	-330.751
31	6.47	-1.29884	98.1236	-339.154
32	6.49	-1.28155	99.766	-347.472
33	6.49	-1.25908	101.351	-355.643
34	6.5	-1.24264	102.895	-363.72
35	6.5	-1.22653	104.4	-371.693
36	6.5	-1.21073	105.866	-379.562
37	6.5	-1.19522	107.294	-387.331
38	6.51	-1.18	108.687	-395.013
39	6.52	-1.16012	110.033	-402.577
40	6.53	-1.1455	111.345	-410.057
41	6.53	-1.13113	112.624	-417.444
42	6.53	-1.11699	113.872	-424.737
43	6.54	-1.10306	115.089	-431.951
44	6.54	-1.08935	116.275	-439.076
45	6.54	-1.07584	117.433	-446.112
46	6.55	-1.05812	118.552	-453.043
47	6.55	-1.04505	119.644	-459.888

48	6.55	-1.03215	120.71	-466.648
49	6.55	-1.01943	121.749	-473.325
50	6.56	-1.00687	122.763	-479.93
51	6.56	-0.994457	123.752	-486.454
52	6.57	-0.97815	124.709	-492.881
53	6.57	-0.966088	125.642	-499.228
54	6.58	-0.954165	126.552	-505.506
55	6.58	-0.942375	127.44	-511.707
56	6.58	-0.930718	128.307	-517.831
57	6.58	-0.919183	129.151	-523.879
58	6.59	-0.907769	129.976	-529.862
59	6.59	-0.892733	130.772	-535.745
60	6.59	-0.881587	131.55	-541.554
61	6.59	-0.87055	132.308	-547.291
62	6.6	-0.859618	133.046	-552.965
63	6.6	-0.848786	133.767	-558.567
64	6.6	-0.838054	134.469	-564.098
65	6.6	-0.823893	135.148	-569.536
66	6.61	-0.813379	135.81	-574.912
67	6.61	-0.802956	136.454	-580.22
68	6.61	-0.792618	137.083	-585.459
69	6.61	-0.782366	137.695	-590.63
70	6.61	-0.772193	138.291	-595.734
71	6.62	-0.7621	138.872	-600.779
72	6.62	-0.748762	139.432	-605.736
73	6.62	-0.738846	139.978	-610.627
74	6.62	-0.729003	140.51	-615.453
75	6.63	-0.719228	141.027	-620.222
76	6.64	-0.709522	141.53	-624.933
77	6.64	-0.699883	142.02	-629.58
78	6.64	-0.687131	142.492	-634.143
79	6.64	-0.677639	142.952	-638.642
80	6.64	-0.668209	143.398	-643.079
81	6.65	-0.658838	143.832	-647.461
82	6.65	-0.649522	144.254	-651.78
83	6.65	-0.640266	144.664	-656.038
84	6.66	-0.631062	145.062	-660.241
85	6.66	-0.618872	145.445	-664.362
86	6.66	-0.609791	145.817	-668.423
87	6.66	-0.60076	146.178	-672.425
88	6.67	-0.591776	146.528	-676.372
89	6.67	-0.582841	146.868	-680.259
90	6.68	-0.573953	147.197	-684.093
91	6.68	-0.56217	147.513	-687.849
92	6.69	-0.553384	147.82	-691.551
93	6.69	-0.544642	148.116	-695.194
94	6.69	-0.53594	148.404	-698.78
95	6.69	-0.52728	148.682	-702.307
96	6.69	-0.518658	148.951	-705.777
97	6.7	-0.510074	149.211	-709.195
98	6.7	-0.498687	149.459	-712.536
99	6.7	-0.490189	149.7	-715.82
100	6.7	-0.481728	149.932	-719.048
101	6.7	-0.473299	150.156	-722.219
102	6.7	-0.464904	150.372	-725.334
103	6.7	-0.456542	150.58	-728.392
104	6.7	-0.445443	150.779	-731.377

105	6.71	-0.437153	150.97	-734.31
106	6.72	-0.428895	151.154	-737.192
107	6.72	-0.420664	151.331	-740.019
108	6.72	-0.412463	151.501	-742.791
109	6.72	-0.40429	151.664	-745.508
110	6.73	-0.393433	151.819	-748.156
111	6.73	-0.385321	151.968	-750.749
112	6.73	-0.377233	152.11	-753.288
113	6.74	-0.369171	152.246	-755.776
114	6.74	-0.361133	152.377	-758.21
115	6.74	-0.353118	152.501	-760.59
116	6.74	-0.345126	152.62	-762.916
117	6.75	-0.334503	152.732	-765.174
118	6.75	-0.326561	152.839	-767.378
119	6.75	-0.318639	152.94	-769.529
120	6.75	-0.310738	153.037	-771.627
121	6.75	-0.302855	153.129	-773.671
122	6.76	-0.294992	153.216	-775.665
123	6.76	-0.284535	153.297	-777.588
124	6.76	-0.276714	153.373	-779.459
125	6.77	-0.268908	153.446	-781.279
126	6.77	-0.26112	153.514	-783.047
127	6.77	-0.253347	153.578	-784.762
128	6.77	-0.24559	153.638	-786.425
129	6.77	-0.237847	153.695	-788.035
130	6.78	-0.227545	153.747	-789.578
131	6.78	-0.219834	153.795	-791.069
132	6.78	-0.212137	153.84	-792.507
133	6.78	-0.204452	153.882	-793.893
134	6.78	-0.196779	153.921	-795.227
135	6.79	-0.189118	153.956	-796.511
136	6.79	-0.17892	153.988	-797.726
137	6.79	-0.171285	154.018	-798.889
138	6.8	-0.163659	154.044	-800.002
139	6.8	-0.156042	154.069	-801.063
140	6.8	-0.148434	154.091	-802.072
141	6.8	-0.140835	154.111	-803.03
142	6.8	-0.133244	154.128	-803.936
143	6.8	-0.123135	154.144	-804.774
144	6.8	-0.115562	154.157	-805.559
145	6.8	-0.107995	154.169	-806.294
146	6.8	-0.100433	154.179	-806.977
147	6.8	-0.0928787	154.187	-807.608
148	6.8	-0.0853288	154.195	-808.188
149	6.8	-0.0752698	154.2	-808.7
150	6.8	-0.0677301	154.205	-809.161
151	6.81	-0.0601949	154.208	-809.571
152	6.81	-0.0526632	154.211	-809.929
153	6.81	-0.0451348	154.213	-810.237
154	6.82	-0.0376076	154.215	-810.493
155	6.82	-0.0300838	154.216	-810.698
156	6.82	-0.0200544	154.216	-810.835
157	6.83	-0.0125328	154.216	-810.921
158	6.84	-0.00501359	154.216	-810.955
159	6.84	0.00501359	154.216	-810.921
160	6.85	0.0125328	154.216	-810.835
161	6.85	0.0200544	154.217	-810.698

162	6.85	0.0300838	154.218	-810.492
163	6.85	0.0376076	154.219	-810.234
164	6.85	0.0451348	154.221	-809.925
165	6.85	0.0526632	154.224	-809.564
166	6.85	0.0601949	154.227	-809.152
167	6.86	0.0677301	154.232	-808.687
168	6.86	0.0752698	154.238	-808.171
169	6.86	0.0853288	154.245	-807.585
170	6.87	0.0928787	154.254	-806.947
171	6.87	0.100433	154.264	-806.257
172	6.87	0.107995	154.275	-805.515
173	6.87	0.115562	154.289	-804.721
174	6.87	0.123135	154.304	-803.876
175	6.88	0.133244	154.322	-802.959
176	6.88	0.140835	154.341	-801.99
177	6.88	0.148434	154.364	-800.969
178	6.88	0.156042	154.388	-799.895
179	6.88	0.163659	154.415	-798.769
180	6.88	0.171285	154.444	-797.591
181	6.88	0.17892	154.476	-796.36
182	6.89	0.189118	154.512	-795.057
183	6.89	0.196779	154.551	-793.701
184	6.89	0.204452	154.592	-792.292
185	6.9	0.212137	154.637	-790.828
186	6.9	0.219834	154.686	-789.312
187	6.91	0.227545	154.737	-787.739
188	6.92	0.237847	154.794	-786.093
189	6.92	0.24559	154.854	-784.394
190	6.92	0.253347	154.918	-782.641
191	6.92	0.26112	154.987	-780.834
192	6.93	0.268908	155.059	-778.97
193	6.93	0.276714	155.136	-777.053
194	6.93	0.284535	155.217	-775.081
195	6.93	0.294992	155.304	-773.036
196	6.93	0.302855	155.395	-770.938
197	6.94	0.310738	155.492	-768.781
198	6.97	0.318639	155.593	-766.56
199	6.99	0.326561	155.7	-764.278
200	7	0.334503	155.812	-761.936
201	7	0.345126	155.931	-759.52
202	7	0.353118	156.056	-757.048
203	7	0.361133	156.186	-754.52
204	7.04	0.369171	156.322	-751.921
205	7.05	0.377233	156.465	-749.262
206	7.05	0.385321	156.613	-746.545
207	7.07	0.393433	156.768	-743.764
208	7.07	0.40429	156.931	-740.906
209	7.07	0.412463	157.102	-737.989
210	7.1	0.420664	157.278	-735.003
211	7.14	0.428895	157.462	-731.94
212	7.15	0.437153	157.654	-728.815
213	7.17	0.445443	157.852	-725.621
214	7.17	0.456542	158.06	-722.348
215	7.19	0.464904	158.277	-719.005
216	7.19	0.473299	158.501	-715.602
217	7.2	0.481728	158.733	-712.133
218	7.2	0.490189	158.973	-708.604

219	7.2	0.498687	159.222	-705.013
220	7.27	0.510074	159.482	-701.305
221	7.28	0.518658	159.751	-697.529
222	7.29	0.52728	160.029	-693.686
223	7.3	0.53594	160.316	-689.773
224	7.3	0.544642	160.613	-685.797
225	7.3	0.553384	160.919	-681.758
226	7.32	0.56217	161.235	-677.643
227	7.33	0.573953	161.564	-673.435
228	7.4	0.582841	161.904	-669.122
229	7.4	0.591776	162.254	-664.743
230	7.45	0.60076	162.615	-660.268
231	7.5	0.609791	162.987	-655.694
232	7.6	0.618872	163.37	-650.991
233	7.62	0.631062	163.768	-646.182
234	7.88	0.640266	164.178	-641.137
235	7.96	0.649522	164.6	-635.967
236	8.16	0.658838	165.034	-630.59
237	8.44	0.668209	165.481	-624.951
238	8.48	0.677639	165.94	-619.204
239	8.48	0.687131	166.412	-613.377
240	8.54	0.699883	166.902	-607.4
241	8.55	0.709522	167.405	-601.334
242	8.59	0.719228	167.923	-595.156
243	8.64	0.729003	168.454	-588.857
244	8.67	0.738846	169	-582.452
245	8.68	0.748762	169.561	-575.952
246	8.74	0.7621	170.141	-569.292
247	8.77	0.772193	170.738	-562.519
248	8.82	0.782366	171.35	-555.619
249	8.82	0.792618	171.978	-548.628
250	8.86	0.802956	172.623	-541.514
251	8.87	0.813379	173.284	-534.299
252	8.9	0.823893	173.963	-526.967
253	8.94	0.838054	174.665	-519.474
254	8.95	0.848786	175.386	-511.878
255	8.95	0.859618	176.125	-504.184
256	8.98	0.87055	176.883	-496.367
257	9	0.881587	177.66	-488.432
258	9.04	0.892733	178.457	-480.362
259	9.05	0.907769	179.281	-472.147
260	9.09	0.919183	180.126	-463.791
261	9.1	0.930718	180.992	-455.322
262	9.1	0.942375	181.88	-446.746
263	9.1	0.954165	182.79	-438.063
264	9.13	0.966088	183.724	-429.243
265	9.14	0.97815	184.681	-420.303
266	9.15	0.994457	185.67	-411.203
267	9.16	1.00687	186.683	-401.98
268	9.18	1.01943	187.723	-392.622
269	9.18	1.03215	188.788	-383.147
270	9.18	1.04505	189.88	-373.553
271	9.2	1.05812	191	-363.819
272	9.2	1.07584	192.157	-353.921
273	9.22	1.08935	193.344	-343.877
274	9.23	1.10306	194.56	-333.696
275	9.24	1.11699	195.808	-323.375

276	9.24	1.13113	197.088	-312.923
277	9.25	1.1455	198.4	-302.327
278	9.25	1.16012	199.746	-291.596
279	9.25	1.18	201.138	-280.681
280	9.25	1.19522	202.567	-269.625
281	9.26	1.21073	204.032	-258.414
282	9.27	1.22653	205.537	-247.044
283	9.27	1.24264	207.081	-235.525
284	9.28	1.25908	208.666	-223.841
285	9.28	1.28155	210.309	-211.948
286	9.29	1.29884	211.996	-199.882
287	9.29	1.31652	213.729	-187.651
288	9.3	1.33462	215.51	-175.239
289	9.31	1.35317	217.341	-162.641
290	9.32	1.3722	219.224	-149.852
291	9.32	1.39175	221.161	-136.881
292	9.32	1.41865	223.174	-123.659
293	9.37	1.43953	225.246	-110.171
294	9.37	1.46106	227.381	-96.4807
295	9.37	1.48328	229.581	-82.5823
296	9.39	1.50626	231.85	-68.4385
297	9.4	1.53007	234.191	-54.0559
298	9.4	1.56322	236.634	-39.3616
299	9.4	1.58927	239.16	-24.4225
300	9.4	1.61644	241.773	-9.22801
301	9.4	1.64485	244.478	6.23361
302	9.44	1.67466	247.283	22.0424
303	9.46	1.70604	250.194	38.1816
304	9.47	1.7392	253.218	54.6518
305	9.5	1.78661	256.41	71.6246
306	9.5	1.82501	259.741	88.9622
307	9.51	1.86629	263.224	106.711
308	9.54	1.91103	266.876	124.942
309	9.6	1.95996	270.718	143.757
310	9.6	2.01409	274.774	163.093
311	9.68	2.09693	279.171	183.391
312	9.7	2.17009	283.88	204.441
313	9.72	2.25713	288.975	226.38
314	9.8	2.36561	294.571	249.563
315	9.8	2.51213	300.882	274.182
316	10.02	2.74777	308.432	301.715

Data Set Standard Deviation = 1.10112
 Numerator = 91031.8
 Denominator = 117798
 W Statistic = 0.772779 = 91031.8 / 117798

5% Critical value of 0.976 exceeds 0.772779
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.772779
Evidence of non-normality at 99% level of significance

Concentrations (ppb)

Parameter: **RADIUM COMBINED**

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 2

Percent Non-Detects: 2.66667%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	2 (13.33333%)	5/24/2018	0.666	0.666
			6/22/2018	0.0833	0.0833
			7/19/2018	0.117	0.117
			8/22/2018	0.32	0.32
			9/19/2018	ND<0	ND<0
			10/18/2018	1.19	1.19
			11/20/2018	0.785	0.785
			12/20/2018	0.735	0.735
			11/21/2019	0.872	0.872
			6/25/2020	0.447	0.447
			11/17/2020	0.202	0.202
			5/26/2021	0.99	0.99
			11/17/2021	2.24	2.24
			4/8/2022	ND<0	ND<0
			10/3/2022	0.0893	0.0893

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	0 (0%)	5/24/2018	1.19	1.19
			6/22/2018	3.08	3.08
			7/19/2018	0.457	0.457
			8/22/2018	6.1	6.1
			10/18/2018	2.84	2.84
			11/20/2018	0.809	0.809
			12/20/2018	1.71	1.71
			3/26/2019	0.994	0.994
			11/21/2019	0.729	0.729
			6/25/2020	0.715	0.715
			11/17/2020	1.184	1.184
			5/26/2021	1.84	1.84
			11/16/2021	1.974	1.974
			4/8/2022	1.033	1.033
MW#03-2	15	0 (0%)	5/24/2018	1.24	1.24
			6/22/2018	0.108	0.108
			7/19/2018	2.55	2.55
			8/22/2018	0.515	0.515
			9/19/2018	0.34	0.34
			10/18/2018	0.939	0.939
			11/20/2018	1.39	1.39
			12/20/2018	1.01	1.01
			11/21/2019	0.394	0.394
			6/25/2020	0.949	0.949

			11/17/2020	3.586	3.586
			5/26/2021	0.41	0.41
			11/17/2021	0.804	0.804
			4/8/2022	2.337	2.337
			10/3/2022	0.75	0.75
MW#93-2	16	0 (0%)	5/24/2018	1.44	1.44
			6/22/2018	1.8	1.8
			7/19/2018	5.74	5.74
			8/22/2018	2.24	2.24
			9/19/2018	0.935	0.935
			10/18/2018	1.9	1.9
			11/20/2018	1.28	1.28
			12/20/2018	1.16	1.16
			11/21/2019	1.25	1.25
			6/25/2020	3.24	3.24
			11/16/2020	3.478	3.478
			5/26/2021	3.25	3.25
			11/17/2021	3.743	3.743
			4/8/2022	4.77	4.77
			10/3/2022	2.049	2.049
			10/3/2022	3.48	3.48
MW#93-3	15	0 (0%)	5/24/2018	0.422	0.422
			6/22/2018	0.336	0.336
			7/19/2018	0.519	0.519
			8/22/2018	1	1
			9/19/2018	0.3	0.3
			10/18/2018	1.45	1.45
			11/20/2018	1.42	1.42
			12/20/2018	1.39	1.39
			11/21/2019	1.03	1.03
			6/25/2020	0.519	0.519
			11/16/2020	0.7	0.7
			5/26/2021	0.42	0.42
			11/17/2021	1.783	1.783
			4/8/2022	0.555	0.555
			10/3/2022	0.282	0.282

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: **RADIUM COMBINED**

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 2.66667%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 2.24

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	1.033	FALSE
MW#03-2	10/3/2022	1	0.75	FALSE
MW#93-2	10/3/2022	2	2.7645	TRUE
MW#93-3	10/3/2022	1	0.282	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: RADIUM COMBINED

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 14

Maximum Baseline Concentration = 5.74

Confidence Level = 93.3%

False Positive Rate = 6.7%

Baseline Measurements	Date	Value
	5/24/2018	1.44
	6/22/2018	1.8
	7/19/2018	5.74
	8/22/2018	2.24
	9/19/2018	0.935
	10/18/2018	1.9
	11/20/2018	1.28
	12/20/2018	1.16
	11/21/2019	1.25
	6/25/2020	3.24
	11/16/2020	3.478
	5/26/2021	3.25
	11/17/2021	3.743
	4/8/2022	4.77

Date	Count	Mean	Significant
10/3/2022	2	2.7645	FALSE

Levene's Test for Equal of Variance

Parameter: **RADIUM COMBINED**

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.757716

Overall Std Dev = 0.701106

Overall Total = 56.8287

SS Groups = 6.72762

SS Total = 36.3747

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	6.72762	4	1.6819	3.97116
Error (within groups)	29.6471	70	0.42353	
Totals	36.3747	74		

95% F-Statistic = 2.44724

3.97116 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.08356
6/22/2018	0.49914
7/19/2018	0.46544
8/22/2018	0.26244
9/19/2018	0.58244
10/18/2018	0.60756
11/20/2018	0.20256
12/20/2018	0.15256
11/21/2019	0.28956
6/25/2020	0.13544
11/17/2020	0.38044
5/26/2021	0.40756
11/17/2021	1.65756
4/8/2022	0.58244
10/3/2022	0.49314

Group: MW#03-1

Date	Residual
5/24/2018	0.571071
6/22/2018	1.31893
7/19/2018	1.30407
8/22/2018	4.33893
10/18/2018	1.07893
11/20/2018	0.952071
12/20/2018	0.0510714
3/26/2019	0.767071
11/21/2019	1.03207
6/25/2020	1.04607
11/17/2020	0.577071
5/26/2021	0.0789286
11/16/2021	0.212929

4/8/2022 0.728071

Group: MW#03-2

Date	Residual
5/24/2018	0.0852
6/22/2018	1.0468
7/19/2018	1.3952
8/22/2018	0.6398
9/19/2018	0.8148
10/18/2018	0.2158
11/20/2018	0.2352
12/20/2018	0.1448
11/21/2019	0.7608
6/25/2020	0.2058
11/17/2020	2.4312
5/26/2021	0.7448
11/17/2021	0.3508
4/8/2022	1.1822
10/3/2022	0.4048

Group: MW#93-2

Date	Residual
5/24/2018	1.16969
6/22/2018	0.809687
7/19/2018	3.13031
8/22/2018	0.369687
9/19/2018	1.67469
10/18/2018	0.709687
11/20/2018	1.32969
12/20/2018	1.44969
11/21/2019	1.35969
6/25/2020	0.630313
11/16/2020	0.868313
5/26/2021	0.640313
11/17/2021	1.13331
4/8/2022	2.16031
10/3/2022	0.560687
10/3/2022	0.870313

Group: MW#93-3

Date	Residual
5/24/2018	0.3864
6/22/2018	0.4724
7/19/2018	0.2894
8/22/2018	0.1916
9/19/2018	0.5084
10/18/2018	0.6416
11/20/2018	0.6116
12/20/2018	0.5816
11/21/2019	0.2216
6/25/2020	0.2894
11/16/2020	0.1084
5/26/2021	0.3884
11/17/2021	0.9746
4/8/2022	0.2534
10/3/2022	0.5264

Concentrations (ppb)

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 75

Total Non-Detect: 67

Percent Non-Detects: 89.3333%

Total Background Measurements: 15

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	14	12 (85.7143%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	0.0144	0.0144
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			3/26/2019	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
			11/17/2020	0.000522	0.000522
			5/26/2021	ND<0.002	ND<0.002
			11/16/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
MW#03-2	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002

			11/17/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW#93-2	16	10 (62.5%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	0.00621	0.00621
			6/25/2020	0.00129	0.00129
			11/16/2020	0.000834	0.000834
			5/26/2021	0.000649	0.000649
			11/17/2021	0.00102	0.00102
			4/8/2022	0.00112	0.00112
			10/4/2022	ND<0.02	ND<0.02
			10/4/2022	ND<0.02	ND<0.02
MW#93-3	15	15 (100%)	5/24/2018	ND<0.005	ND<0.005
			6/19/2018	ND<0.005	ND<0.005
			7/19/2018	ND<0.005	ND<0.005
			8/22/2018	ND<0.005	ND<0.005
			9/19/2018	ND<0.005	ND<0.005
			10/18/2018	ND<0.005	ND<0.005
			11/20/2018	ND<0.005	ND<0.005
			12/20/2018	ND<0.005	ND<0.005
			11/21/2019	ND<0.005	ND<0.005
			6/25/2020	ND<0.002	ND<0.002
			11/16/2020	ND<0.002	ND<0.002
			5/26/2021	ND<0.002	ND<0.002
			11/17/2021	ND<0.002	ND<0.002
			4/8/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 89.3333%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 15

Maximum Background Value = 0.005

Confidence Level = 78.9%

False Positive Rate = 21.1%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	0.002	FALSE
MW#03-2	10/3/2022	1	0.002	FALSE
MW#93-2	10/4/2022	2	0.02	TRUE
MW#93-3	10/4/2022	1	0.002	FALSE

Shapiro-Francia Test of Normality

Parameter: Selenium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 75

i	x(i)	m(i)	sum(m²)	sum(mx)
1	0.000522	-2.22621	4.956	-0.00116208
2	0.000649	-1.94314	8.73177	-0.00242317
3	0.000834	-1.76241	11.8379	-0.00389302
4	0.00102	-1.62576	14.481	-0.0055513
5	0.00112	-1.5141	16.7735	-0.0072471
6	0.00129	-1.41865	18.786	-0.00907716
7	0.002	-1.32854	20.5511	-0.0117342
8	0.002	-1.25357	22.1225	-0.0142414
9	0.002	-1.18504	23.5268	-0.0166115
10	0.002	-1.12168	24.785	-0.0188548
11	0.002	-1.06252	25.9139	-0.0209799
12	0.002	-1.00687	26.9277	-0.0229936
13	0.002	-0.950222	27.8306	-0.024894
14	0.002	-0.900227	28.641	-0.0266945
15	0.002	-0.852385	29.3676	-0.0283993
16	0.002	-0.806422	30.0179	-0.0300121
17	0.002	-0.7621	30.5987	-0.0315363
18	0.002	-0.719228	31.116	-0.0329748
19	0.002	-0.67449	31.5709	-0.0343237
20	0.002	-0.634124	31.9731	-0.035592
21	0.002	-0.594766	32.3268	-0.0367815
22	0.002	-0.556308	32.6363	-0.0378941
23	0.002	-0.518658	32.9053	-0.0389314
24	0.002	-0.481728	33.1373	-0.0398949
25	0.002	-0.445443	33.3358	-0.0407858
26	0.002	-0.40701	33.5014	-0.0415998
27	0.002	-0.371856	33.6397	-0.0423435
28	0.002	-0.337155	33.7534	-0.0430178
29	0.005	-0.302855	33.8451	-0.0445321
30	0.005	-0.268908	33.9174	-0.0458766
31	0.005	-0.235269	33.9728	-0.047053
32	0.005	-0.199336	34.0125	-0.0480497
33	0.005	-0.166199	34.0401	-0.0488807
34	0.005	-0.133244	34.0579	-0.0495469
35	0.005	-0.100433	34.068	-0.0500491
36	0.005	-0.0677301	34.0725	-0.0503877
37	0.005	-0.0350997	34.0738	-0.0505632
38	0.005	0	34.0738	-0.0505632
39	0.005	0.0350997	34.075	-0.0503877
40	0.005	0.0677301	34.0796	-0.0500491
41	0.005	0.100433	34.0897	-0.0495469
42	0.005	0.133244	34.1074	-0.0488807
43	0.005	0.166199	34.1351	-0.0480497
44	0.005	0.199336	34.1748	-0.047053
45	0.005	0.235269	34.2301	-0.0458766
46	0.005	0.268908	34.3025	-0.0445321
47	0.005	0.302855	34.3942	-0.0430178

48	0.005	0.337155	34.5078	-0.0413321
49	0.005	0.371856	34.6461	-0.0394728
50	0.005	0.40701	34.8118	-0.0374377
51	0.005	0.445443	35.0102	-0.0352105
52	0.005	0.481728	35.2423	-0.0328019
53	0.005	0.518658	35.5113	-0.0302086
54	0.005	0.556308	35.8207	-0.027427
55	0.005	0.594766	36.1745	-0.0244532
56	0.005	0.634124	36.5766	-0.0212826
57	0.005	0.67449	37.0315	-0.0179101
58	0.005	0.719228	37.5488	-0.014314
59	0.005	0.7621	38.1296	-0.0105035
60	0.005	0.806422	38.7799	-0.00647139
61	0.005	0.852385	39.5065	-0.00220946
62	0.005	0.900227	40.3169	0.00229167
63	0.005	0.950222	41.2198	0.00704278
64	0.005	1.00687	42.2336	0.0120771
65	0.005	1.06252	43.3626	0.0173897
66	0.005	1.12168	44.6207	0.0229981
67	0.005	1.18504	46.0251	0.0289233
68	0.005	1.25357	47.5965	0.0351911
69	0.005	1.32854	49.3615	0.0418338
70	0.005	1.41865	51.3741	0.0489271
71	0.005	1.5141	53.6666	0.0564976
72	0.00621	1.62576	56.3097	0.0665936
73	0.0144	1.76241	59.4158	0.0919723
74	0.02	1.94314	63.1916	0.130835
75	0.02	2.22621	68.1475	0.175359

Data Set Standard Deviation = 0.00329936
 Numerator = 0.0307508
 Denominator = 0.0548962
 W Statistic = 0.560163 = 0.0307508 / 0.0548962

5% Critical value of 0.969 exceeds 0.560163
Evidence of non-normality at 95% level of significance

1% Critical value of 0.956 exceeds 0.560163
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 0.00201266

Overall Std Dev = 0.00249026

Overall Total = 0.150949

SS Groups = 5.71634e-005

SS Total = 0.000458903

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	5.71634e-005	4	1.42909e-005	2.49007
Error (within groups)	0.000401739	70	5.73913e-006	
Totals	0.000458903	74		

95% F-Statistic = 2.44724

2.49007 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
5/24/2018	0.0012
6/19/2018	0.0012
7/19/2018	0.0012
8/22/2018	0.0012
9/19/2018	0.0012
10/18/2018	0.0012
11/20/2018	0.0012
12/20/2018	0.0012
11/21/2019	0.0012
6/25/2020	0.0018
11/17/2020	0.0018
5/26/2021	0.0018
11/17/2021	0.0018
4/8/2022	0.0018
10/4/2022	0.0018

Group: MW#03-1

Date	Residual
5/24/2018	0.000505571
6/19/2018	0.000505571
7/19/2018	0.000505571
8/22/2018	0.00990557
10/18/2018	0.000505571
11/20/2018	0.000505571
12/20/2018	0.000505571
3/26/2019	0.000505571
11/21/2019	0.000505571
6/25/2020	0.00249443
11/17/2020	0.00397243
5/26/2021	0.00249443
11/16/2021	0.00249443

4/8/2022 0.00249443

Group: MW#03-2

Date	Residual
5/24/2018	0.0012
6/19/2018	0.0012
7/19/2018	0.0012
8/22/2018	0.0012
9/19/2018	0.0012
10/18/2018	0.0012
11/20/2018	0.0012
12/20/2018	0.0012
11/21/2019	0.0012
6/25/2020	0.0018
11/17/2020	0.0018
5/26/2021	0.0018
11/17/2021	0.0018
4/8/2022	0.0018
10/3/2022	0.0018

Group: MW#93-2

Date	Residual
5/24/2018	0.000695188
6/19/2018	0.000695188
7/19/2018	0.000695188
8/22/2018	0.000695188
9/19/2018	0.000695188
10/18/2018	0.000695188
11/20/2018	0.000695188
12/20/2018	0.000695188
11/21/2019	0.000514812
6/25/2020	0.00440519
11/16/2020	0.00486119
5/26/2021	0.00504619
11/17/2021	0.00467519
4/8/2022	0.00457519
10/4/2022	0.0143048
10/4/2022	0.0143048

Group: MW#93-3

Date	Residual
5/24/2018	0.0012
6/19/2018	0.0012
7/19/2018	0.0012
8/22/2018	0.0012
9/19/2018	0.0012
10/18/2018	0.0012
11/20/2018	0.0012
12/20/2018	0.0012
11/21/2019	0.0012
6/25/2020	0.0018
11/16/2020	0.0018
5/26/2021	0.0018
11/17/2021	0.0018
4/8/2022	0.0018
10/4/2022	0.0018

Concentrations (ppb)

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 256

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 58

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	58	0 (0%)	12/15/1994	54.7	54.7
			12/14/1995	51.9	51.9
			12/10/1996	51.6	51.6
			12/4/1997	51.2	51.2
			12/8/1998	47	47
			12/14/1999	64.4	64.4
			12/12/2000	100	100
			3/19/2002	112	112
			6/26/2002	95	95
			9/18/2002	78	78
			12/11/2002	83	83
			3/13/2003	94	94
			6/25/2003	113	113
			9/26/2003	84.6	84.6
			12/10/2003	98.1	98.1
			3/9/2004	95.4	95.4
			6/24/2004	94.7	94.7
			9/15/2004	71	71
			12/15/2004	92.3	92.3
			3/16/2005	86.3	86.3
			6/15/2005	77.4	77.4
			9/21/2005	92.8	92.8
			12/21/2005	81.9	81.9
			3/15/2006	99.7	99.7
			6/21/2006	82	82
			12/20/2006	85.1	85.1
			6/12/2007	74.9	74.9
			12/17/2007	81.8	81.8
			6/11/2008	56.5	56.5
			12/3/2008	75.2	75.2
			6/17/2009	67.4	67.4
			12/9/2009	76.9	76.9
			6/17/2010	55	55
			12/22/2010	70.5	70.5
			6/29/2011	55.4	55.4
			12/7/2011	69.1	69.1
			6/6/2012	55.6	55.6
			12/12/2012	58.9	58.9
			6/19/2013	70	70
			12/11/2013	72.9	72.9
			6/11/2014	56.5	56.5
			12/3/2014	69.4	69.4
			6/17/2015	69.7	69.7
			12/1/2015	57.5	57.5
			6/22/2016	66.9	66.9

12/20/2016	54.8	54.8
6/6/2017	58.4	58.4
11/7/2017	45.2	45.2
2/27/2018	59.6	59.6
9/27/2018	68.2	68.2
5/7/2019	124	124
11/21/2019	99.1	99.1
6/25/2020	130	130
11/17/2020	120	120
5/26/2021	112	112
11/17/2021	90.4	90.4
4/8/2022	84.8	84.8
10/4/2022	99.5	99.5

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	36	0 (0%)	6/24/2004	10.2	10.2
			9/15/2004	42	42
			12/15/2004	8.04	8.04
			3/16/2005	5.99	5.99
			6/15/2005	7.3	7.3
			9/21/2005	14.1	14.1
			12/20/2006	8	8
			6/12/2007	7.96	7.96
			12/17/2007	9.88	9.88
			6/11/2008	5.71	5.71
			12/3/2008	7.01	7.01
			6/17/2009	7.34	7.34
			12/9/2009	6.77	6.77
			6/17/2010	9.31	9.31
			12/22/2010	7.11	7.11
			6/29/2011	7.04	7.04
			12/7/2011	8.87	8.87
			6/6/2012	7.94	7.94
			6/19/2013	10.3	10.3
			12/11/2013	9.78	9.78
			6/11/2014	55.9	55.9
			12/3/2014	9.8	9.8
			6/17/2015	9.7	9.7
			12/1/2015	12	12
			6/22/2016	8.59	8.59
			12/20/2016	7.94	7.94
			6/6/2017	6.56	6.56
			11/7/2017	17.6	17.6
			2/27/2018	16.8	16.8
			5/7/2019	13.1	13.1
			11/21/2019	10.5	10.5
			6/25/2020	7.75	7.75
			11/17/2020	26.9	26.9
5/26/2021	12.4	12.4			
11/16/2021	21	21			
4/8/2022	9.32	9.32			
MW#03-2	42	0 (0%)	6/24/2004	47.4	47.4
			9/15/2004	8.7	8.7

12/15/2004	51.3	51.3
3/16/2005	47	47
6/15/2005	42.8	42.8
9/21/2005	52.6	52.6
12/21/2005	46.5	46.5
3/15/2006	50.4	50.4
6/21/2006	44.9	44.9
12/20/2006	50.5	50.5
6/12/2007	47	47
12/17/2007	50.2	50.2
6/11/2008	33.8	33.8
12/3/2008	54.4	54.4
6/17/2009	48.2	48.2
12/9/2009	47.3	47.3
6/17/2010	52.9	52.9
12/22/2010	51.7	51.7
6/29/2011	51	51
12/7/2011	60.1	60.1
6/6/2012	52	52
12/12/2012	61.3	61.3
6/19/2013	57.3	57.3
12/11/2013	54	54
6/11/2014	9.78	9.78
12/3/2014	68	68
6/17/2015	66.3	66.3
12/1/2015	63.8	63.8
6/22/2016	76.8	76.8
12/20/2016	80.2	80.2
6/6/2017	96.8	96.8
11/7/2017	120	120
2/27/2018	104	104
9/27/2018	128	128
5/7/2019	138	138
11/21/2019	166	166
6/25/2020	165	165
11/17/2020	162	162
5/26/2021	166	166
11/17/2021	169	169
4/8/2022	161	161
10/3/2022	168	168

MW#93-2	60	0 (0%)	12/15/1994	2170	2170
			12/14/1995	2220	2220
			12/10/1996	2100	2100
			12/4/1997	2440	2440
			12/8/1998	2565	2565
			12/14/1999	2980	2980
			12/12/2000	2800	2800
			3/19/2002	2500	2500
			6/26/2002	2260	2260
			9/18/2002	2140	2140
			12/11/2002	2320	2320
			3/13/2003	2600	2600
			6/25/2003	1990	1990
			9/26/2003	1820	1820
			12/10/2003	1920	1920
			3/9/2004	2050	2050

6/24/2004	2180	2180
9/15/2004	1800	1800
12/15/2004	2480	2480
3/16/2005	2490	2490
6/15/2005	2030	2030
9/21/2005	2520	2520
12/21/2005	2300	2300
3/15/2006	2720	2720
6/21/2006	2450	2450
12/20/2006	2170	2170
2/21/2007	2900	2900
6/12/2007	1980	1980
12/17/2007	2244	2244
6/11/2008	2649	2649
12/3/2008	2120	2120
6/17/2009	2230	2230
12/9/2009	2140	2140
6/17/2010	2100	2100
12/22/2010	2460	2460
6/29/2011	2190	2190
12/7/2011	2500	2500
6/6/2012	2060	2060
12/12/2012	2730	2730
6/19/2013	2230	2230
12/11/2013	2290	2290
6/11/2014	1940	1940
12/3/2014	2730	2730
6/17/2015	270	270
5/25/2016	1890	1890
6/22/2016	2700	2700
12/20/2016	2400	2400
6/6/2017	2310	2310
11/7/2017	2750	2750
2/27/2018	2220	2220
9/27/2018	2660	2660
5/7/2019	2470	2470
11/21/2019	2500	2500
6/25/2020	2660	2660
11/16/2020	2800	2800
5/26/2021	2680	2680
11/17/2021	2560	2560
4/8/2022	2580	2580
10/4/2022	2860	2860
10/4/2022	3140	3140

MW#93-3 60 0 (0%)

12/15/1994	330	330
12/14/1995	219	219
12/10/1996	248	248
12/4/1997	201	201
12/8/1998	199	199
12/14/1999	208	208
12/12/2000	230	230
12/18/2001	172	172
3/19/2002	222	222
6/26/2002	189	189
9/18/2002	163	163
12/11/2002	216	216

3/13/2003	230	230
6/25/2003	190	190
9/26/2003	229	229
12/10/2003	231	231
3/9/2004	30.8	30.8
6/24/2004	150	150
9/15/2004	200	200
12/15/2004	186	186
3/16/2005	196	196
6/15/2005	170	170
9/21/2005	239	239
12/21/2005	180	180
3/15/2006	180	180
6/21/2006	227	227
12/20/2006	211	211
6/12/2007	159	159
12/17/2007	194	194
6/11/2008	195	195
12/3/2008	190	190
6/17/2009	173	173
12/9/2009	202	202
6/17/2010	202	202
12/22/2010	216	216
6/29/2011	158	158
12/7/2011	218	218
6/6/2012	201	201
12/12/2012	168	168
6/19/2013	235	235
12/11/2013	234	234
6/11/2014	258	258
12/3/2014	220	220
6/17/2015	280	280
12/1/2015	339	339
6/22/2016	449	449
10/11/2016	368	368
12/20/2016	337	337
6/6/2017	301	301
11/7/2017	368	368
2/27/2018	272	272
9/27/2018	372	372
5/7/2019	412	412
11/21/2019	403	403
6/25/2020	376	376
11/16/2020	374	374
5/26/2021	355	355
11/17/2021	368	368
4/8/2022	354	354
10/4/2022	381	381

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 58

Maximum Background Value = 130

Confidence Level = 93.5%

False Positive Rate = 6.5%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	9.32	FALSE
MW#03-2	10/3/2022	1	168	TRUE
MW#93-2	10/4/2022	2	3000	TRUE
MW#93-3	10/4/2022	1	381	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 58

Maximum Baseline Concentration = 169

Confidence Level = 98.3%

False Positive Rate = 1.7%

Baseline Measurements	Date	Value
	6/24/2004	47.4
	9/15/2004	8.7
	12/15/2004	51.3
	3/16/2005	47
	6/15/2005	42.8
	9/21/2005	52.6
	12/21/2005	46.5
	3/15/2006	50.4
	6/21/2006	44.9
	12/20/2006	50.5
	6/12/2007	47
	12/17/2007	50.2
	6/11/2008	33.8
	12/3/2008	54.4
	6/17/2009	48.2
	12/9/2009	47.3
	6/17/2010	52.9
	12/22/2010	51.7
	6/29/2011	51
	12/7/2011	60.1
	6/6/2012	52
	12/12/2012	61.3
	6/19/2013	57.3
	12/11/2013	54
	6/11/2014	9.78
	12/3/2014	68
	6/17/2015	66.3
	12/1/2015	63.8
	6/22/2016	76.8
	12/20/2016	80.2
	6/6/2017	96.8
	11/7/2017	120
	2/27/2018	104
	9/27/2018	128
	5/7/2019	138
	11/21/2019	166
	6/25/2020	165
	11/17/2020	162
	5/26/2021	166
	11/17/2021	169
	4/8/2022	161
	10/3/2022	168

Date	Count	Mean	Significant
10/3/2022	1	168	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 58

Maximum Baseline Concentration = 2980

Confidence Level = 98.3%

False Positive Rate = 1.7%

Baseline Measurements	Date	Value
	12/15/1994	2170
	12/14/1995	2220
	12/10/1996	2100
	12/4/1997	2440
	12/8/1998	2565
	12/14/1999	2980
	12/12/2000	2800
	3/19/2002	2500
	6/26/2002	2260
	9/18/2002	2140
	12/11/2002	2320
	3/13/2003	2600
	6/25/2003	1990
	9/26/2003	1820
	12/10/2003	1920
	3/9/2004	2050
	6/24/2004	2180
	9/15/2004	1800
	12/15/2004	2480
	3/16/2005	2490
	6/15/2005	2030
	9/21/2005	2520
	12/21/2005	2300
	3/15/2006	2720
	6/21/2006	2450
	12/20/2006	2170
	2/21/2007	2900
	6/12/2007	1980
	12/17/2007	2244
	6/11/2008	2649
	12/3/2008	2120
	6/17/2009	2230
	12/9/2009	2140
	6/17/2010	2100
	12/22/2010	2460
	6/29/2011	2190
	12/7/2011	2500
	6/6/2012	2060
	12/12/2012	2730
	6/19/2013	2230
	12/11/2013	2290
	6/11/2014	1940

12/3/2014	2730
6/17/2015	270
5/25/2016	1890
6/22/2016	2700
12/20/2016	2400
6/6/2017	2310
11/7/2017	2750
2/27/2018	2220
9/27/2018	2660
5/7/2019	2470
11/21/2019	2500
6/25/2020	2660
11/16/2020	2800
5/26/2021	2680
11/17/2021	2560
4/8/2022	2580

Date	Count	Mean	Significant
10/4/2022	2	3000	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 58

Maximum Baseline Concentration = 449

Confidence Level = 98.3%

False Positive Rate = 1.7%

Baseline Measurements	Date	Value
	12/15/1994	330
	12/14/1995	219
	12/10/1996	248
	12/4/1997	201
	12/8/1998	199
	12/14/1999	208
	12/12/2000	230
	12/18/2001	172
	3/19/2002	222
	6/26/2002	189
	9/18/2002	163
	12/11/2002	216
	3/13/2003	230
	6/25/2003	190
	9/26/2003	229
	12/10/2003	231
	3/9/2004	30.8
	6/24/2004	150
	9/15/2004	200
	12/15/2004	186
	3/16/2005	196
	6/15/2005	170
	9/21/2005	239
	12/21/2005	180
	3/15/2006	180
	6/21/2006	227
	12/20/2006	211
	6/12/2007	159
	12/17/2007	194
	6/11/2008	195
	12/3/2008	190
	6/17/2009	173
	12/9/2009	202
	6/17/2010	202
	12/22/2010	216
	6/29/2011	158
	12/7/2011	218
	6/6/2012	201
	12/12/2012	168
	6/19/2013	235
	12/11/2013	234
	6/11/2014	258

12/3/2014	220
6/17/2015	280
12/1/2015	339
6/22/2016	449
10/11/2016	368
12/20/2016	337
6/6/2017	301
11/7/2017	368
2/27/2018	272
9/27/2018	372
5/7/2019	412
11/21/2019	403
6/25/2020	376
11/16/2020	374
5/26/2021	355
11/17/2021	368

Date	Count	Mean	Significant
10/4/2022	1	381	FALSE

Shapiro-Francia Test of Normality

Parameter: Sodium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 256

i	x(i)	m(i)	sum(m²)	sum(mx)
1	5.71	-2.74777	7.55021	-15.6897
2	5.99	-2.45727	13.5884	-30.4088
3	6.56	-2.29036	18.8342	-45.4336
4	6.77	-2.17009	23.5435	-60.1251
5	7.01	-2.07485	27.8485	-74.6698
6	7.04	-1.99539	31.8301	-88.7174
7	7.11	-1.92684	35.5428	-102.417
8	7.3	-1.86629	39.0258	-116.041
9	7.34	-1.81191	42.3088	-129.341
10	7.75	-1.77438	45.4573	-143.092
11	7.94	-1.72793	48.443	-156.812
12	7.94	-1.68494	51.282	-170.19
13	7.96	-1.64485	53.9876	-183.283
14	8	-1.60725	56.5708	-196.141
15	8.04	-1.57179	59.0413	-208.778
16	8.59	-1.5382	61.4074	-221.992
17	8.7	-1.50626	63.6762	-235.096
18	8.87	-1.47579	65.8542	-248.186
19	9.31	-1.4538	67.9677	-261.721
20	9.32	-1.42554	69.9999	-275.007
21	9.7	-1.39838	71.9554	-288.571
22	9.78	-1.3722	73.8383	-301.992
23	9.78	-1.34694	75.6525	-315.165
24	9.8	-1.32251	77.4016	-328.125
25	9.88	-1.29884	79.0885	-340.958
26	10.2	-1.27588	80.7164	-353.972
27	10.3	-1.25357	82.2878	-366.883
28	10.5	-1.23724	83.8186	-379.874
29	12	-1.21596	85.2971	-394.466
30	12.4	-1.19522	86.7257	-409.287
31	13.1	-1.17499	88.1063	-424.679
32	14.1	-1.15522	89.4408	-440.968
33	16.8	-1.1359	90.7311	-460.051
34	17.6	-1.11699	91.9787	-479.71
35	21	-1.09847	93.1854	-502.778
36	26.9	-1.08032	94.3525	-531.838
37	30.8	-1.06694	95.4908	-564.7
38	33.8	-1.04939	96.592	-600.169
39	42	-1.03215	97.6574	-643.52
40	42.8	-1.01522	98.688	-686.971
41	44.9	-0.998575	99.6852	-731.807
42	45.2	-0.982202	100.65	-776.203
43	46.5	-0.966088	101.583	-821.126
44	47	-0.950222	102.486	-865.786
45	47	-0.93459	103.36	-909.712
46	47	-0.923014	104.212	-953.093
47	47.3	-0.907769	105.036	-996.031

48	47.4	-0.892733	105.833	-1038.35
49	48.2	-0.877897	106.603	-1080.66
50	50.2	-0.863249	107.349	-1124
51	50.4	-0.848786	108.069	-1166.77
52	50.5	-0.834498	108.765	-1208.92
53	51	-0.820379	109.438	-1250.76
54	51.2	-0.806422	110.089	-1292.05
55	51.3	-0.792618	110.717	-1332.71
56	51.6	-0.782366	111.329	-1373.08
57	51.7	-0.768821	111.92	-1412.82
58	51.9	-0.755415	112.491	-1452.03
59	52	-0.742143	113.042	-1490.62
60	52.6	-0.729003	113.573	-1528.97
61	52.9	-0.715986	114.086	-1566.84
62	54	-0.703089	114.58	-1604.81
63	54.4	-0.690309	115.056	-1642.36
64	54.7	-0.677639	115.516	-1679.43
65	54.8	-0.668209	115.962	-1716.05
66	55	-0.655726	116.392	-1752.11
67	55.4	-0.643345	116.806	-1787.75
68	55.6	-0.631062	117.204	-1822.84
69	55.9	-0.618872	117.587	-1857.44
70	56.5	-0.606775	117.955	-1891.72
71	56.5	-0.594766	118.309	-1925.32
72	57.3	-0.582841	118.649	-1958.72
73	57.5	-0.570999	118.975	-1991.55
74	58.4	-0.56217	119.291	-2024.38
75	58.9	-0.550465	119.594	-2056.81
76	59.6	-0.538836	119.884	-2088.92
77	60.1	-0.52728	120.162	-2120.61
78	61.3	-0.515791	120.428	-2152.23
79	63.8	-0.504372	120.683	-2184.41
80	64.4	-0.493018	120.926	-2216.16
81	66.3	-0.481728	121.158	-2248.1
82	66.9	-0.470498	121.379	-2279.57
83	67.4	-0.462114	121.593	-2310.72
84	68	-0.450985	121.796	-2341.39
85	68.2	-0.439913	121.99	-2371.39
86	69.1	-0.428895	122.174	-2401.02
87	69.4	-0.417928	122.348	-2430.03
88	69.7	-0.40701	122.514	-2458.4
89	70	-0.396142	122.671	-2486.13
90	70.5	-0.385321	122.819	-2513.29
91	71	-0.374544	122.96	-2539.88
92	72.9	-0.36649	123.094	-2566.6
93	74.9	-0.355788	123.221	-2593.25
94	75.2	-0.345126	123.34	-2619.2
95	76.8	-0.334503	123.452	-2644.89
96	76.9	-0.323919	123.557	-2669.8
97	77.4	-0.31337	123.655	-2694.06
98	78	-0.302855	123.746	-2717.68
99	80.2	-0.292375	123.832	-2741.13
100	81.8	-0.281926	123.911	-2764.19
101	81.9	-0.27411	123.987	-2786.64
102	82	-0.263715	124.056	-2808.26
103	83	-0.253347	124.12	-2829.29
104	84.6	-0.243007	124.179	-2849.85

105	84.8	-0.232693	124.233	-2869.58
106	85.1	-0.222403	124.283	-2888.51
107	86.3	-0.212137	124.328	-2906.82
108	90.4	-0.201894	124.369	-2925.07
109	92.3	-0.191671	124.405	-2942.76
110	92.8	-0.181468	124.438	-2959.6
111	94	-0.173829	124.469	-2975.94
112	94.7	-0.163659	124.495	-2991.44
113	95	-0.153505	124.519	-3006.02
114	95.4	-0.143367	124.539	-3019.7
115	96.8	-0.133244	124.557	-3032.6
116	98.1	-0.123135	124.572	-3044.68
117	99.1	-0.113039	124.585	-3055.88
118	99.5	-0.102953	124.596	-3066.12
119	99.7	-0.0928787	124.604	-3075.38
120	100	-0.0853288	124.612	-3083.91
121	104	-0.0752698	124.617	-3091.74
122	112	-0.0652187	124.622	-3099.05
123	112	-0.0551734	124.625	-3105.23
124	113	-0.0451348	124.627	-3110.33
125	120	-0.0350997	124.628	-3114.54
126	120	-0.0250691	124.629	-3117.55
127	124	-0.0150408	124.629	-3119.41
128	128	-0.00501359	124.629	-3120.05
129	130	0.00501359	124.629	-3119.4
130	138	0.0150408	124.629	-3117.33
131	150	0.0250691	124.63	-3113.57
132	158	0.0350997	124.631	-3108.02
133	159	0.0451348	124.633	-3100.84
134	161	0.0551734	124.636	-3091.96
135	162	0.0652187	124.64	-3081.4
136	163	0.0752698	124.646	-3069.13
137	165	0.0853288	124.653	-3055.05
138	166	0.0928787	124.662	-3039.63
139	166	0.102953	124.672	-3022.54
140	168	0.113039	124.685	-3003.55
141	168	0.123135	124.7	-2982.86
142	169	0.133244	124.718	-2960.34
143	170	0.143367	124.739	-2935.97
144	172	0.153505	124.762	-2909.57
145	173	0.163659	124.789	-2881.26
146	180	0.173829	124.819	-2849.97
147	180	0.181468	124.852	-2817.3
148	186	0.191671	124.889	-2781.65
149	189	0.201894	124.93	-2743.49
150	190	0.212137	124.975	-2703.19
151	190	0.222403	125.024	-2660.93
152	194	0.232693	125.078	-2615.79
153	195	0.243007	125.137	-2568.4
154	196	0.253347	125.202	-2518.75
155	199	0.263715	125.271	-2466.27
156	200	0.27411	125.346	-2411.44
157	201	0.281926	125.426	-2354.78
158	201	0.292375	125.511	-2296.01
159	202	0.302855	125.603	-2234.83
160	202	0.31337	125.701	-2171.53
161	208	0.323919	125.806	-2104.16

162	211	0.334503	125.918	-2033.58
163	216	0.345126	126.037	-1959.03
164	216	0.355788	126.164	-1882.18
165	218	0.36649	126.298	-1802.29
166	219	0.374544	126.438	-1720.26
167	220	0.385321	126.587	-1635.49
168	222	0.396142	126.744	-1547.55
169	227	0.40701	126.909	-1455.15
170	229	0.417928	127.084	-1359.45
171	230	0.428895	127.268	-1260.8
172	230	0.439913	127.461	-1159.62
173	231	0.450985	127.665	-1055.45
174	234	0.462114	127.878	-947.311
175	235	0.470498	128.1	-836.744
176	239	0.481728	128.332	-721.611
177	248	0.493018	128.575	-599.343
178	258	0.504372	128.829	-469.215
179	270	0.515791	129.095	-329.951
180	272	0.52728	129.373	-186.531
181	280	0.538836	129.664	-35.657
182	301	0.550465	129.967	130.033
183	330	0.56217	130.283	315.549
184	337	0.570999	130.609	507.976
185	339	0.582841	130.948	705.559
186	354	0.594766	131.302	916.106
187	355	0.606775	131.67	1131.51
188	368	0.618872	132.053	1359.26
189	368	0.631062	132.452	1591.49
190	368	0.643345	132.865	1828.24
191	372	0.655726	133.295	2072.17
192	374	0.668209	133.742	2322.08
193	376	0.677639	134.201	2576.87
194	381	0.690309	134.678	2839.88
195	403	0.703089	135.172	3123.22
196	412	0.715986	135.685	3418.21
197	449	0.729003	136.216	3745.53
198	1800	0.742143	136.767	5081.39
199	1820	0.755415	137.338	6456.24
200	1890	0.768821	137.929	7909.32
201	1920	0.782366	138.541	9411.46
202	1940	0.792618	139.169	10949.1
203	1980	0.806422	139.819	12545.9
204	1990	0.820379	140.492	14178.4
205	2030	0.834498	141.189	15872.4
206	2050	0.848786	141.909	17612.4
207	2060	0.863249	142.654	19390.7
208	2100	0.877897	143.425	21234.3
209	2100	0.892733	144.222	23109.1
210	2120	0.907769	145.046	25033.5
211	2140	0.923014	145.898	27008.8
212	2140	0.93459	146.771	29008.8
213	2170	0.950222	147.674	31070.8
214	2170	0.966088	148.608	33167.2
215	2180	0.982202	149.572	35308.4
216	2190	0.998575	150.57	37495.3
217	2220	1.01522	151.6	39749.1
218	2220	1.03215	152.666	42040.5

219	2230	1.04939	153.767	44380.6
220	2230	1.06694	154.905	46759.9
221	2244	1.08032	156.072	49184.1
222	2260	1.09847	157.279	51666.6
223	2290	1.11699	158.527	54224.5
224	2300	1.1359	159.817	56837.1
225	2310	1.15522	161.151	59505.7
226	2320	1.17499	162.532	62231.6
227	2400	1.19522	163.96	65100.2
228	2440	1.21596	165.439	68067.1
229	2450	1.23724	166.97	71098.3
230	2460	1.25357	168.541	74182.1
231	2470	1.27588	170.169	77333.5
232	2480	1.29884	171.856	80554.6
233	2490	1.32251	173.605	83847.7
234	2500	1.34694	175.419	87215
235	2500	1.3722	177.302	90645.5
236	2500	1.39838	179.258	94141.5
237	2520	1.42554	181.29	97733.8
238	2560	1.4538	183.403	101456
239	2565	1.47579	185.581	105241
240	2580	1.50626	187.85	109127
241	2600	1.5382	190.216	113126
242	2649	1.57179	192.687	117290
243	2660	1.60725	195.27	121565
244	2660	1.64485	197.976	125941
245	2680	1.68494	200.815	130456
246	2700	1.72793	203.8	135122
247	2720	1.77438	206.949	139948
248	2730	1.81191	210.232	144895
249	2730	1.86629	213.715	149990
250	2750	1.92684	217.428	155288
251	2800	1.99539	221.409	160875
252	2800	2.07485	225.714	166685
253	2860	2.17009	230.423	172892
254	2900	2.29036	235.669	179534
255	2980	2.45727	241.707	186856
256	3140	2.74777	249.258	195484

Data Set Standard Deviation = 971.845

Numerator = 3.82141e+010

Denominator = 6.00319e+010

W Statistic = 0.636563 = 3.82141e+010 / 6.00319e+010

5% Critical value of 0.976 exceeds 0.636563

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.636563

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 95.5316

Overall Std Dev = 178.863

Overall Total = 24456.1

SS Groups = 3.17303e+006

SS Total = 8.15798e+006

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	3.17303e+006	4	793257	39.9416
Error (within groups)	4.98496e+006	251	19860.4	
Totals	8.15798e+006	255		

95% F-Statistic = 2.37

39.9416 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	23.631
	12/14/1995	26.431
	12/10/1996	26.731
	12/4/1997	27.131
	12/8/1998	31.331
	12/14/1999	13.931
	12/12/2000	21.669
	3/19/2002	33.669
	6/26/2002	16.669
	9/18/2002	0.331034
	12/11/2002	4.66897
	3/13/2003	15.669
	6/25/2003	34.669
	9/26/2003	6.26897
	12/10/2003	19.769
	3/9/2004	17.069
	6/24/2004	16.369
	9/15/2004	7.33103
	12/15/2004	13.969
	3/16/2005	7.96897
	6/15/2005	0.931034
	9/21/2005	14.469
	12/21/2005	3.56897
	3/15/2006	21.369
	6/21/2006	3.66897
	12/20/2006	6.76897
	6/12/2007	3.43103
	12/17/2007	3.46897
	6/11/2008	21.831
	12/3/2008	3.13103

6/17/2009	10.931
12/9/2009	1.43103
6/17/2010	23.331
12/22/2010	7.83103
6/29/2011	22.931
12/7/2011	9.23103
6/6/2012	22.731
12/12/2012	19.431
6/19/2013	8.33103
12/11/2013	5.43103
6/11/2014	21.831
12/3/2014	8.93103
6/17/2015	8.63103
12/1/2015	20.831
6/22/2016	11.431
12/20/2016	23.531
6/6/2017	19.931
11/7/2017	33.131
2/27/2018	18.731
9/27/2018	10.131
5/7/2019	45.669
11/21/2019	20.769
6/25/2020	51.669
11/17/2020	41.669
5/26/2021	33.669
11/17/2021	12.069
4/8/2022	6.46897
10/4/2022	21.169

Group: MW#03-1

Date	Residual
6/24/2004	2.20306
9/15/2004	29.5969
12/15/2004	4.36306
3/16/2005	6.41306
6/15/2005	5.10306
9/21/2005	1.69694
12/20/2006	4.40306
6/12/2007	4.44306
12/17/2007	2.52306
6/11/2008	6.69306
12/3/2008	5.39306
6/17/2009	5.06306
12/9/2009	5.63306
6/17/2010	3.09306
12/22/2010	5.29306
6/29/2011	5.36306
12/7/2011	3.53306
6/6/2012	4.46306
6/19/2013	2.10306
12/11/2013	2.62306
6/11/2014	43.4969
12/3/2014	2.60306
6/17/2015	2.70306
12/1/2015	0.403056
6/22/2016	3.81306
12/20/2016	4.46306
6/6/2017	5.84306

11/7/2017	5.19694
2/27/2018	4.39694
5/7/2019	0.696944
11/21/2019	1.90306
6/25/2020	4.65306
11/17/2020	14.4969
5/26/2021	0.00305556
11/16/2021	8.59694
4/8/2022	3.08306

Group: MW#03-2

Date	Residual
6/24/2004	30.5043
9/15/2004	69.2043
12/15/2004	26.6043
3/16/2005	30.9043
6/15/2005	35.1043
9/21/2005	25.3043
12/21/2005	31.4043
3/15/2006	27.5043
6/21/2006	33.0043
12/20/2006	27.4043
6/12/2007	30.9043
12/17/2007	27.7043
6/11/2008	44.1043
12/3/2008	23.5043
6/17/2009	29.7043
12/9/2009	30.6043
6/17/2010	25.0043
12/22/2010	26.2043
6/29/2011	26.9043
12/7/2011	17.8043
6/6/2012	25.9043
12/12/2012	16.6043
6/19/2013	20.6043
12/11/2013	23.9043
6/11/2014	68.1243
12/3/2014	9.90429
6/17/2015	11.6043
12/1/2015	14.1043
6/22/2016	1.10429
12/20/2016	2.29571
6/6/2017	18.8957
11/7/2017	42.0957
2/27/2018	26.0957
9/27/2018	50.0957
5/7/2019	60.0957
11/21/2019	88.0957
6/25/2020	87.0957
11/17/2020	84.0957
5/26/2021	88.0957
11/17/2021	91.0957
4/8/2022	83.0957
10/3/2022	90.0957

Group: MW#93-2

Date	Residual
12/15/1994	179.3
12/14/1995	129.3

12/10/1996	249.3
12/4/1997	90.7
12/8/1998	215.7
12/14/1999	630.7
12/12/2000	450.7
3/19/2002	150.7
6/26/2002	89.3
9/18/2002	209.3
12/11/2002	29.3
3/13/2003	250.7
6/25/2003	359.3
9/26/2003	529.3
12/10/2003	429.3
3/9/2004	299.3
6/24/2004	169.3
9/15/2004	549.3
12/15/2004	130.7
3/16/2005	140.7
6/15/2005	319.3
9/21/2005	170.7
12/21/2005	49.3
3/15/2006	370.7
6/21/2006	100.7
12/20/2006	179.3
2/21/2007	550.7
6/12/2007	369.3
12/17/2007	105.3
6/11/2008	299.7
12/3/2008	229.3
6/17/2009	119.3
12/9/2009	209.3
6/17/2010	249.3
12/22/2010	110.7
6/29/2011	159.3
12/7/2011	150.7
6/6/2012	289.3
12/12/2012	380.7
6/19/2013	119.3
12/11/2013	59.3
6/11/2014	409.3
12/3/2014	380.7
6/17/2015	2079.3
5/25/2016	459.3
6/22/2016	350.7
12/20/2016	50.7
6/6/2017	39.3
11/7/2017	400.7
2/27/2018	129.3
9/27/2018	310.7
5/7/2019	120.7
11/21/2019	150.7
6/25/2020	310.7
11/16/2020	450.7
5/26/2021	330.7
11/17/2021	210.7
4/8/2022	230.7
10/4/2022	510.7

10/4/2022 790.7

Group: MW#93-3

Date Residual

12/15/1994	83.6867
12/14/1995	27.3133
12/10/1996	1.68667
12/4/1997	45.3133
12/8/1998	47.3133
12/14/1999	38.3133
12/12/2000	16.3133
12/18/2001	74.3133
3/19/2002	24.3133
6/26/2002	57.3133
9/18/2002	83.3133
12/11/2002	30.3133
3/13/2003	16.3133
6/25/2003	56.3133
9/26/2003	17.3133
12/10/2003	15.3133
3/9/2004	215.513
6/24/2004	96.3133
9/15/2004	46.3133
12/15/2004	60.3133
3/16/2005	50.3133
6/15/2005	76.3133
9/21/2005	7.31333
12/21/2005	66.3133
3/15/2006	66.3133
6/21/2006	19.3133
12/20/2006	35.3133
6/12/2007	87.3133
12/17/2007	52.3133
6/11/2008	51.3133
12/3/2008	56.3133
6/17/2009	73.3133
12/9/2009	44.3133
6/17/2010	44.3133
12/22/2010	30.3133
6/29/2011	88.3133
12/7/2011	28.3133
6/6/2012	45.3133
12/12/2012	78.3133
6/19/2013	11.3133
12/11/2013	12.3133
6/11/2014	11.6867
12/3/2014	26.3133
6/17/2015	33.6867
12/1/2015	92.6867
6/22/2016	202.687
10/11/2016	121.687
12/20/2016	90.6867
6/6/2017	54.6867
11/7/2017	121.687
2/27/2018	25.6867
9/27/2018	125.687
5/7/2019	165.687
11/21/2019	156.687

6/25/2020	129.687
11/16/2020	127.687
5/26/2021	108.687
11/17/2021	121.687
4/8/2022	107.687
10/4/2022	134.687

Concentrations (ppb)

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 314

Total Non-Detect: 8

Percent Non-Detects: 2.54777%

Total Background Measurements: 78

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	78	0 (0%)	12/15/1994	195	195
			3/14/1995	275	275
			6/21/1995	750	750
			12/14/1995	320	320
			3/6/1996	215	215
			4/25/1996	272	272
			10/2/1996	300	300
			12/10/1996	260	260
			3/11/1997	278	278
			4/15/1997	250	250
			8/14/1997	320	320
			12/4/1997	360	360
			3/31/1998	230	230
			6/23/1998	500	500
			8/11/1998	350	350
			12/8/1998	270	270
			3/9/1999	290	290
			6/8/1999	408	408
			8/19/1999	388	388
			12/14/1999	310	310
			3/7/2000	373	373
			6/23/2000	410	410
			12/12/2000	420	420
			3/27/2001	350	350
			6/28/2001	425	425
			9/10/2001	390	390
			12/18/2001	390	390
			3/19/2002	425	425
			6/26/2002	420	420
			9/18/2002	517	517
			12/11/2002	430	430
			3/13/2003	450	450
			6/25/2003	434	434
			9/26/2003	460	460
			12/10/2003	470	470
			3/9/2004	444	444
			6/24/2004	500	500
			9/15/2004	475	475
			12/15/2004	558	558
			3/16/2005	880	880
			6/15/2005	22	22
			9/21/2005	467	467
			12/21/2005	475	475
			3/15/2006	375	375
			6/21/2006	420	420

12/20/2006	330	330
6/12/2007	260	260
12/17/2007	300	300
6/11/2008	375	375
12/3/2008	340	340
6/17/2009	240	240
12/9/2009	160	160
6/17/2010	290	290
12/22/2010	304	304
6/29/2011	306	306
12/7/2011	255	255
6/6/2012	275	275
12/12/2012	301	301
6/19/2013	409	409
12/11/2013	306	306
6/11/2014	316	316
12/3/2014	292	292
6/17/2015	286	286
12/1/2015	299	299
6/22/2016	250	250
12/20/2016	275	275
6/6/2017	265	265
11/7/2017	281	281
2/27/2018	299	299
9/27/2018	305	305
5/7/2019	275	275
11/21/2019	299	299
6/25/2020	346	346
11/17/2020	346	346
5/26/2021	400	400
11/17/2021	504	504
4/8/2022	452	452
10/4/2022	446	446

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	36	0 (0%)	6/24/2004	42	42
			9/15/2004	76	76
			12/15/2004	62	62
			3/16/2005	22	22
			6/15/2005	23	23
			9/21/2005	17	17
			12/20/2006	55	55
			6/12/2007	88	88
			12/17/2007	120	120
			6/11/2008	23	23
			12/3/2008	90	90
			6/17/2009	21	21
			12/9/2009	15	15
			6/17/2010	16	16
			12/22/2010	22.9	22.9
			6/29/2011	21.6	21.6
			12/7/2011	18.1	18.1
			6/6/2012	14.3	14.3
			6/19/2013	16.2	16.2

12/11/2013	29.1	29.1
6/11/2014	127	127
12/3/2014	19.7	19.7
6/17/2015	7.86	7.86
12/1/2015	12.1	12.1
6/22/2016	10.3	10.3
12/20/2016	30.9	30.9
6/6/2017	8.92	8.92
11/7/2017	14.4	14.4
2/27/2018	12.6	12.6
5/7/2019	12.2	12.2
11/21/2019	184	184
6/25/2020	6.2	6.2
11/17/2020	18.9	18.9
5/26/2021	5.27	5.27
11/16/2021	9.03	9.03
4/8/2022	2.92	2.92

MW#03-2	41	0 (0%)	6/24/2004	72	72
			9/15/2004	32	32
			12/15/2004	54	54
			3/16/2005	78	78
			6/15/2005	23	23
			9/21/2005	80	80
			12/21/2005	72	72
			3/15/2006	30	30
			12/20/2006	34	34
			6/12/2007	68	68
			12/17/2007	130	130
			6/11/2008	67	67
			12/3/2008	210	210
			6/17/2009	84	84
			12/9/2009	80	80
			6/17/2010	106	106
			12/22/2010	98.9	98.9
			6/29/2011	101	101
			12/7/2011	98.8	98.8
			6/6/2012	107	107
			12/12/2012	111	111
			6/19/2013	113	113
			12/11/2013	106	106
			6/11/2014	10.3	10.3
			12/3/2014	158	158
			6/17/2015	179	179
			12/1/2015	197	197
			6/22/2016	254	254
			12/20/2016	451	451
			6/6/2017	332	332
			11/7/2017	516	516
			2/27/2018	468	468
			9/27/2018	426	426
			5/7/2019	29.6	29.6
			11/21/2019	394	394
			6/25/2020	409	409
			11/17/2020	377	377
			5/26/2021	421	421
			11/17/2021	457	457

			4/8/2022	371	371
			10/3/2022	363	363
MW#93-2	81	0 (0%)	12/15/1994	2000	2000
			3/14/1995	1550	1550
			6/21/1995	185	185
			12/14/1995	2367	2367
			3/6/1996	2150	2150
			4/25/1996	2000	2000
			10/2/1996	3267	3267
			12/10/1996	4000	4000
			3/11/1997	1700	1700
			4/15/1997	1500	1500
			8/14/1997	3650	3650
			12/4/1997	4300	4300
			3/31/1998	2500	2500
			6/23/1998	3250	3250
			8/11/1998	3050	3050
			12/8/1998	3050	3050
			3/9/1999	3600	3600
			6/8/1999	3150	3150
			8/19/1999	1897	1897
			12/14/1999	2500	2500
			3/7/2000	3400	3400
			6/23/2000	3400	3400
			12/12/2000	3000	3000
			3/27/2001	2133	2133
			6/28/2001	2750	2750
			9/10/2001	2650	2650
			12/18/2001	2950	2950
			3/19/2002	2967	2967
			6/26/2002	3050	3050
			9/18/2002	2900	2900
			12/11/2002	2933	2933
			3/13/2003	2900	2900
			6/25/2003	2700	2700
			9/26/2003	2767	2767
			12/10/2003	2700	2700
			3/9/2004	2550	2550
			6/24/2004	2650	2650
			9/15/2004	2700	2700
			12/15/2004	2950	2950
			3/16/2005	3200	3200
			6/15/2005	2650	2650
			9/21/2005	3200	3200
			12/21/2005	3200	3200
			3/15/2006	3000	3000
			6/21/2006	2700	2700
			12/20/2006	2500	2500
			2/21/2007	1900	1900
			6/12/2007	2400	2400
			12/17/2007	3100	3100
			6/11/2008	2350	2350
			12/3/2008	3300	3300
			12/15/2008	2400	2400
			6/17/2009	2300	2300
			12/9/2009	2200	2200

6/17/2010	2900	2900
12/22/2010	3460	3460
6/29/2011	2630	2630
12/7/2011	2520	2520
6/6/2012	2360	2360
12/12/2012	3240	3240
6/19/2013	2510	2510
12/11/2013	2460	2460
6/11/2014	2790	2790
12/3/2014	2940	2940
6/17/2015	114	114
12/1/2015	3600	3600
6/22/2016	2620	2620
12/20/2016	3800	3800
6/6/2017	3630	3630
11/7/2017	4340	4340
2/27/2018	3870	3870
9/27/2018	3680	3680
5/7/2019	3890	3890
11/21/2019	12.4	12.4
6/25/2020	523	523
11/16/2020	5040	5040
5/26/2021	5100	5100
11/17/2021	5940	5940
4/8/2022	4920	4920
10/4/2022	5470	5470
10/4/2022	5690	5690

MW#93-3	78	8 (10.2564%)	12/15/1994	ND<10	ND<10
			3/14/1995	ND<10	ND<10
			6/21/1995	10	10
			12/14/1995	ND<10	ND<10
			3/6/1996	10	10
			4/25/1996	ND<10	ND<10
			10/2/1996	11	11
			12/10/1996	10	10
			3/11/1997	12	12
			4/15/1997	15	15
			8/14/1997	11	11
			12/4/1997	8	8
			3/31/1998	45	45
			6/23/1998	4	4
			8/11/1998	9	9
			12/8/1998	2	2
			3/9/1999	ND<10	ND<10
			6/8/1999	3	3
			8/19/1999	ND<10	ND<10
			12/14/1999	ND<10	ND<10
			3/7/2000	13	13
			6/23/2000	14	14
			12/12/2000	7	7
			3/27/2001	3	3
			6/28/2001	ND<10	ND<10
			9/10/2001	20	20
			12/18/2001	19	19
			3/19/2002	8	8
			6/26/2002	8	8

9/18/2002	8	8
12/11/2002	6	6
3/13/2003	18	18
6/25/2003	13	13
9/26/2003	16	16
12/10/2003	34	34
3/9/2004	130	130
6/24/2004	24	24
9/15/2004	17	17
12/15/2004	26	26
3/16/2005	29	29
6/15/2005	26	26
9/21/2005	19	19
12/21/2005	23	23
3/15/2006	19	19
6/21/2006	21	21
12/20/2006	42	42
6/12/2007	3	3
12/17/2007	28	28
6/11/2008	27	27
12/3/2008	11	11
6/17/2009	16	16
12/9/2009	12	12
6/17/2010	45	45
12/22/2010	25.8	25.8
6/29/2011	34.2	34.2
12/7/2011	37.4	37.4
6/6/2012	38.3	38.3
12/12/2012	25.8	25.8
6/19/2013	61.6	61.6
12/11/2013	26.5	26.5
6/11/2014	56.2	56.2
12/3/2014	36	36
6/17/2015	109	109
12/1/2015	81	81
6/22/2016	58.5	58.5
12/20/2016	66.6	66.6
6/6/2017	18.2	18.2
11/7/2017	80.3	80.3
2/27/2018	64.2	64.2
9/27/2018	75.8	75.8
5/7/2019	105	105
11/21/2019	4010	4010
6/25/2020	328	328
11/16/2020	258	258
5/26/2021	226	226
11/17/2021	286	286
4/8/2022	202	202
10/4/2022	217	217

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
-------------	--------------	-----------	-------------	--------------	-----------------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 2.54777%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 78

Maximum Background Value = 880

Confidence Level = 95.1%

False Positive Rate = 4.9%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	2.92	FALSE
MW#03-2	10/3/2022	1	363	FALSE
MW#93-2	10/4/2022	2	5580	TRUE
MW#93-3	10/4/2022	1	217	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 40

Maximum Baseline Concentration = 4300

Confidence Level = 97.6%

False Positive Rate = 2.4%

Baseline Measurements	Date	Value
	12/15/1994	2000
	3/14/1995	1550
	6/21/1995	185
	12/14/1995	2367
	3/6/1996	2150
	4/25/1996	2000
	10/2/1996	3267
	12/10/1996	4000
	3/11/1997	1700
	4/15/1997	1500
	8/14/1997	3650
	12/4/1997	4300
	3/31/1998	2500
	6/23/1998	3250
	8/11/1998	3050
	12/8/1998	3050
	3/9/1999	3600
	6/8/1999	3150
	8/19/1999	1897
	12/14/1999	2500
	3/7/2000	3400
	6/23/2000	3400
	12/12/2000	3000
	3/27/2001	2133
	6/28/2001	2750
	9/10/2001	2650
	12/18/2001	2950
	3/19/2002	2967
	6/26/2002	3050
	9/18/2002	2900
	12/11/2002	2933
	3/13/2003	2900
	6/25/2003	2700
	9/26/2003	2767
	12/10/2003	2700
	3/9/2004	2550
	6/24/2004	2650
	9/15/2004	2700
	12/15/2004	2950
	3/16/2005	3200

Date	Count	Mean	Significant
10/4/2022	2	5580	TRUE

Shapiro-Francia Test of Normality

Parameter: Sulfate

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 314

i	x(i)	m(i)	sum(m²)	sum(mx)
1	2	-2.74777	7.55021	-5.49553
2	2.92	-2.51213	13.861	-12.831
3	3	-2.36561	19.4572	-19.9278
4	3	-2.25713	24.5518	-26.6992
5	3	-2.17009	29.2611	-33.2095
6	4	-2.07485	33.5661	-41.5089
7	5.27	-2.01409	37.6227	-52.1231
8	6	-1.95996	41.4641	-63.8829
9	6.2	-1.91103	45.1161	-75.7313
10	7	-1.86629	48.5992	-88.7953
11	7.86	-1.82501	51.9298	-103.14
12	8	-1.77438	55.0783	-117.335
13	8	-1.7392	58.1031	-131.249
14	8	-1.70604	61.0137	-144.897
15	8	-1.67466	63.8181	-158.294
16	8.92	-1.64485	66.5237	-172.966
17	9	-1.61644	69.1366	-187.514
18	9.03	-1.58047	71.6344	-201.786
19	10	-1.55477	74.0517	-217.333
20	10	-1.53007	76.3928	-232.634
21	10	-1.50626	78.6617	-247.697
22	10	-1.48328	80.8618	-262.53
23	10	-1.4538	82.9753	-277.068
24	10	-1.4325	85.0274	-291.393
25	10	-1.41183	87.0207	-305.511
26	10	-1.39175	88.9576	-319.428
27	10	-1.3722	90.8406	-333.15
28	10	-1.35317	92.6716	-346.682
29	10	-1.32854	94.4367	-359.968
30	10.3	-1.31058	96.1543	-373.467
31	10.3	-1.29303	97.8262	-386.785
32	11	-1.27588	99.4541	-400.819
33	11	-1.25908	101.039	-414.669
34	11	-1.24264	102.584	-428.338
35	12	-1.22123	104.075	-442.993
36	12	-1.20553	105.528	-457.459
37	12.1	-1.19012	106.945	-471.86
38	12.2	-1.17499	108.325	-486.195
39	12.4	-1.16012	109.671	-500.58
40	12.6	-1.1455	110.983	-515.014
41	13	-1.12639	112.252	-529.657
42	13	-1.11232	113.489	-544.117
43	14	-1.09847	114.696	-559.495
44	14.3	-1.08482	115.873	-575.008
45	14.4	-1.07138	117.021	-590.436
46	15	-1.05375	118.131	-606.242
47	15	-1.04073	119.214	-621.853

48	16	-1.02789	120.271	-638.3
49	16	-1.01522	121.301	-654.543
50	16	-1.00271	122.307	-670.587
51	16.2	-0.990356	123.288	-686.63
52	17	-0.974114	124.236	-703.19
53	17	-0.9621	125.162	-719.546
54	18	-0.950222	126.065	-736.65
55	18.1	-0.938476	126.946	-753.636
56	18.2	-0.926859	127.805	-770.505
57	18.9	-0.915365	128.643	-787.806
58	19	-0.900227	129.453	-804.91
59	19	-0.889006	130.243	-821.801
60	19	-0.877897	131.014	-838.481
61	19.7	-0.866894	131.766	-855.559
62	20	-0.855996	132.498	-872.679
63	21	-0.841621	133.207	-890.353
64	21	-0.830953	133.897	-907.803
65	21.6	-0.820379	134.57	-925.523
66	22	-0.809896	135.226	-943.341
67	22	-0.7995	135.865	-960.93
68	22.9	-0.789191	136.488	-979.002
69	23	-0.775574	137.09	-996.84
70	23	-0.765456	137.676	-1014.45
71	23	-0.755415	138.246	-1031.82
72	23	-0.745449	138.802	-1048.97
73	24	-0.735557	139.343	-1066.62
74	25.8	-0.725736	139.87	-1085.34
75	25.8	-0.712751	140.378	-1103.73
76	26	-0.703089	140.872	-1122.01
77	26	-0.693493	141.353	-1140.04
78	26.5	-0.68396	141.821	-1158.17
79	27	-0.67449	142.276	-1176.38
80	28	-0.665079	142.718	-1195
81	29	-0.652622	143.144	-1213.93
82	29.1	-0.643345	143.558	-1232.65
83	29.6	-0.634124	143.96	-1251.42
84	30	-0.624956	144.351	-1270.17
85	30.9	-0.615839	144.73	-1289.2
86	32	-0.603765	145.094	-1308.52
87	34	-0.594766	145.448	-1328.74
88	34	-0.585815	145.791	-1348.66
89	34.2	-0.576911	146.124	-1368.39
90	36	-0.568052	146.447	-1388.84
91	37.4	-0.559237	146.76	-1409.75
92	38.3	-0.547551	147.059	-1430.72
93	42	-0.538836	147.35	-1453.36
94	42	-0.530162	147.631	-1475.62
95	45	-0.521527	147.903	-1499.09
96	45	-0.51293	148.166	-1522.17
97	54	-0.504372	148.42	-1549.41
98	55	-0.493018	148.663	-1576.52
99	56.2	-0.484544	148.898	-1603.76
100	58.5	-0.476105	149.125	-1631.61
101	61.6	-0.467699	149.343	-1660.42
102	62	-0.459327	149.554	-1688.9
103	64.2	-0.450985	149.758	-1717.85
104	66.6	-0.439913	149.951	-1747.15

105	67	-0.431644	150.138	-1776.07
106	68	-0.423405	150.317	-1804.86
107	72	-0.415193	150.489	-1834.75
108	72	-0.40701	150.655	-1864.06
109	75.8	-0.396142	150.812	-1894.09
110	76	-0.388022	150.963	-1923.58
111	78	-0.379927	151.107	-1953.21
112	80	-0.371856	151.245	-1982.96
113	80	-0.363809	151.377	-2012.06
114	80.3	-0.355788	151.504	-2040.63
115	81	-0.345126	151.623	-2068.59
116	84	-0.337155	151.737	-2096.91
117	88	-0.329206	151.845	-2125.88
118	90	-0.321278	151.948	-2154.79
119	98.8	-0.31337	152.047	-2185.76
120	98.9	-0.305481	152.14	-2215.97
121	101	-0.294992	152.227	-2245.76
122	105	-0.287147	152.309	-2275.91
123	106	-0.279319	152.387	-2305.52
124	106	-0.271509	152.461	-2334.3
125	107	-0.263715	152.531	-2362.52
126	109	-0.253347	152.595	-2390.13
127	111	-0.24559	152.655	-2417.39
128	113	-0.237847	152.712	-2444.27
129	114	-0.230118	152.765	-2470.5
130	120	-0.222403	152.814	-2497.19
131	127	-0.214702	152.86	-2524.46
132	130	-0.204452	152.902	-2551.04
133	130	-0.196779	152.941	-2576.62
134	158	-0.189118	152.977	-2606.5
135	160	-0.181468	153.01	-2635.53
136	179	-0.173829	153.04	-2666.65
137	184	-0.166199	153.067	-2697.23
138	185	-0.156042	153.092	-2726.1
139	195	-0.148434	153.114	-2755.04
140	197	-0.140835	153.134	-2782.79
141	202	-0.133244	153.151	-2809.7
142	210	-0.125661	153.167	-2836.09
143	215	-0.118085	153.181	-2861.48
144	217	-0.107995	153.193	-2884.91
145	226	-0.100433	153.203	-2907.61
146	230	-0.0928787	153.211	-2928.97
147	240	-0.0853288	153.219	-2949.45
148	250	-0.0777834	153.225	-2968.9
149	250	-0.0677301	153.229	-2985.83
150	254	-0.0601949	153.233	-3001.12
151	255	-0.0526632	153.236	-3014.55
152	258	-0.0451348	153.238	-3026.2
153	260	-0.0376076	153.239	-3035.97
154	260	-0.0300838	153.24	-3043.8
155	265	-0.0200544	153.241	-3049.11
156	270	-0.0125328	153.241	-3052.49
157	272	-0.00501359	153.241	-3053.86
158	275	0.00501359	153.241	-3052.48
159	275	0.0125328	153.241	-3049.03
160	275	0.0200544	153.241	-3043.52
161	275	0.0300838	153.242	-3035.24

162	278	0.0376076	153.244	-3024.79
163	281	0.0451348	153.246	-3012.11
164	286	0.0526632	153.248	-2997.04
165	286	0.0601949	153.252	-2979.83
166	290	0.0677301	153.257	-2960.19
167	290	0.0777834	153.263	-2937.63
168	292	0.0853288	153.27	-2912.71
169	299	0.0928787	153.279	-2884.94
170	299	0.100433	153.289	-2854.91
171	299	0.107995	153.3	-2822.62
172	300	0.118085	153.314	-2787.2
173	300	0.125661	153.33	-2749.5
174	301	0.133244	153.348	-2709.39
175	304	0.140835	153.368	-2666.58
176	305	0.148434	153.39	-2621.31
177	306	0.156042	153.414	-2573.56
178	306	0.166199	153.442	-2522.7
179	310	0.173829	153.472	-2468.81
180	316	0.181468	153.505	-2411.47
181	320	0.189118	153.541	-2350.95
182	320	0.196779	153.579	-2287.98
183	328	0.204452	153.621	-2220.92
184	330	0.214702	153.667	-2150.07
185	332	0.222403	153.717	-2076.23
186	340	0.230118	153.77	-1997.99
187	346	0.237847	153.826	-1915.7
188	346	0.24559	153.887	-1830.72
189	350	0.253347	153.951	-1742.05
190	350	0.263715	154.02	-1649.75
191	360	0.271509	154.094	-1552.01
192	363	0.279319	154.172	-1450.62
193	371	0.287147	154.254	-1344.08
194	373	0.294992	154.341	-1234.05
195	375	0.305481	154.435	-1119.5
196	375	0.31337	154.533	-1001.98
197	377	0.321278	154.636	-880.861
198	388	0.329206	154.745	-753.129
199	390	0.337155	154.858	-621.638
200	390	0.345126	154.977	-487.039
201	394	0.355788	155.104	-346.859
202	400	0.363809	155.236	-201.335
203	408	0.371856	155.375	-49.6179
204	409	0.379927	155.519	105.772
205	409	0.388022	155.669	264.473
206	410	0.396142	155.826	426.891
207	420	0.40701	155.992	597.836
208	420	0.415193	156.164	772.217
209	420	0.423405	156.344	950.047
210	421	0.431644	156.53	1131.77
211	425	0.439913	156.724	1318.73
212	425	0.450985	156.927	1510.4
213	426	0.459327	157.138	1706.07
214	430	0.467699	157.357	1907.18
215	434	0.476105	157.583	2113.81
216	444	0.484544	157.818	2328.95
217	446	0.493018	158.061	2548.84
218	450	0.504372	158.316	2775.8

219	451	0.51293	158.579	3007.14
220	452	0.521527	158.851	3242.87
221	457	0.530162	159.132	3485.15
222	460	0.538836	159.422	3733.01
223	467	0.547551	159.722	3988.72
224	468	0.559237	160.035	4250.44
225	470	0.568052	160.357	4517.43
226	475	0.576911	160.69	4791.46
227	475	0.585815	161.033	5069.72
228	500	0.594766	161.387	5367.11
229	500	0.603765	161.752	5668.99
230	504	0.615839	162.131	5979.37
231	516	0.624956	162.521	6301.85
232	517	0.634124	162.924	6629.69
233	523	0.643345	163.337	6966.16
234	558	0.652622	163.763	7330.32
235	750	0.665079	164.206	7829.13
236	880	0.67449	164.661	8422.68
237	1500	0.68396	165.128	9448.62
238	1550	0.693493	165.609	10523.5
239	1700	0.703089	166.104	11718.8
240	1897	0.712751	166.612	13070.9
241	1900	0.725736	167.138	14449.8
242	2000	0.735557	167.679	15920.9
243	2000	0.745449	168.235	17411.8
244	2133	0.755415	168.806	19023.1
245	2150	0.765456	169.392	20668.8
246	2200	0.775574	169.993	22375.1
247	2300	0.789191	170.616	24190.2
248	2350	0.7995	171.255	26069
249	2360	0.809896	171.911	27980.4
250	2367	0.820379	172.584	29922.2
251	2400	0.830953	173.275	31916.5
252	2400	0.841621	173.983	33936.4
253	2460	0.855996	174.716	36042.2
254	2500	0.866894	175.467	38209.4
255	2500	0.877897	176.238	40404.1
256	2500	0.889006	177.028	42626.7
257	2510	0.900227	177.839	44886.2
258	2520	0.915365	178.677	47192.9
259	2550	0.926859	179.536	49556.4
260	2620	0.938476	180.416	52015.2
261	2630	0.950222	181.319	54514.3
262	2650	0.9621	182.245	57063.9
263	2650	0.974114	183.194	59645.3
264	2650	0.990356	184.175	62269.7
265	2700	1.00271	185.18	64977.1
266	2700	1.01522	186.211	67718.2
267	2700	1.02789	187.267	70493.5
268	2700	1.04073	188.35	73303.4
269	2750	1.05375	189.461	76201.2
270	2767	1.07138	190.609	79165.7
271	2790	1.08482	191.786	82192.4
272	2900	1.09847	192.992	85378
273	2900	1.11232	194.229	88603.7
274	2900	1.12639	195.498	91870.2
275	2933	1.1455	196.81	95230

276	2940	1.16012	198.156	98640.7
277	2950	1.17499	199.537	102107
278	2950	1.19012	200.953	105618
279	2967	1.20553	202.406	109195
280	3000	1.22123	203.898	112858
281	3000	1.24264	205.442	116586
282	3050	1.25908	207.027	120426
283	3050	1.27588	208.655	124318
284	3050	1.29303	210.327	128262
285	3100	1.31058	212.045	132324
286	3150	1.32854	213.81	136509
287	3200	1.35317	215.641	140839
288	3200	1.3722	217.524	145231
289	3200	1.39175	219.461	149684
290	3240	1.41183	221.454	154258
291	3250	1.4325	223.506	158914
292	3267	1.4538	225.62	163664
293	3300	1.48328	227.82	168558
294	3400	1.50626	230.089	173680
295	3400	1.53007	232.43	178882
296	3460	1.55477	234.847	184261
297	3600	1.58047	237.345	189951
298	3600	1.61644	239.958	195770
299	3630	1.64485	242.663	201741
300	3650	1.67466	245.468	207854
301	3680	1.70604	248.378	214132
302	3800	1.7392	251.403	220741
303	3870	1.77438	254.552	227608
304	3890	1.82501	257.882	234707
305	4000	1.86629	261.365	242172
306	4010	1.91103	265.017	249835
307	4300	1.95996	268.859	258263
308	4340	2.01409	272.915	267004
309	4920	2.07485	277.22	277213
310	5040	2.17009	281.93	288150
311	5100	2.25713	287.024	299661
312	5470	2.36561	292.62	312601
313	5690	2.51213	298.931	326895
314	5940	2.74777	306.481	343217

Data Set Standard Deviation = 1338.38

Numerator = 1.17798e+011

Denominator = 1.71832e+011

W Statistic = 0.685539 = 1.17798e+011 / 1.71832e+011

5% Critical value of 0.976 exceeds 0.685539

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.685539

Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 264.625

Overall Std Dev = 532.049

Overall Total = 83092.4

SS Groups = 2.47062e+007

SS Total = 8.86029e+007

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	2.47062e+007	4	6.17656e+006	29.8694
Error (within groups)	6.38966e+007	309	206785	
Totals	8.86029e+007	313		

95% F-Statistic = 2.37

29.8694 exceeds 2.37; assumption of equal variance should be rejected

Group: MW#93-1	Sample	Residual
	12/15/1994	162.795
	3/14/1995	82.7949
	6/21/1995	392.205
	12/14/1995	37.7949
	3/6/1996	142.795
	4/25/1996	85.7949
	10/2/1996	57.7949
	12/10/1996	97.7949
	3/11/1997	79.7949
	4/15/1997	107.795
	8/14/1997	37.7949
	12/4/1997	2.20513
	3/31/1998	127.795
	6/23/1998	142.205
	8/11/1998	7.79487
	12/8/1998	87.7949
	3/9/1999	67.7949
	6/8/1999	50.2051
	8/19/1999	30.2051
	12/14/1999	47.7949
	3/7/2000	15.2051
	6/23/2000	52.2051
	12/12/2000	62.2051
	3/27/2001	7.79487
	6/28/2001	67.2051
	9/10/2001	32.2051
	12/18/2001	32.2051
	3/19/2002	67.2051
	6/26/2002	62.2051
	9/18/2002	159.205

12/11/2002	72.2051
3/13/2003	92.2051
6/25/2003	76.2051
9/26/2003	102.205
12/10/2003	112.205
3/9/2004	86.2051
6/24/2004	142.205
9/15/2004	117.205
12/15/2004	200.205
3/16/2005	522.205
6/15/2005	335.795
9/21/2005	109.205
12/21/2005	117.205
3/15/2006	17.2051
6/21/2006	62.2051
12/20/2006	27.7949
6/12/2007	97.7949
12/17/2007	57.7949
6/11/2008	17.2051
12/3/2008	17.7949
6/17/2009	117.795
12/9/2009	197.795
6/17/2010	67.7949
12/22/2010	53.7949
6/29/2011	51.7949
12/7/2011	102.795
6/6/2012	82.7949
12/12/2012	56.7949
6/19/2013	51.2051
12/11/2013	51.7949
6/11/2014	41.7949
12/3/2014	65.7949
6/17/2015	71.7949
12/1/2015	58.7949
6/22/2016	107.795
12/20/2016	82.7949
6/6/2017	92.7949
11/7/2017	76.7949
2/27/2018	58.7949
9/27/2018	52.7949
5/7/2019	82.7949
11/21/2019	58.7949
6/25/2020	11.7949
11/17/2020	11.7949
5/26/2021	42.2051
11/17/2021	146.205
4/8/2022	94.2051
10/4/2022	88.2051

Group: MW#03-1

Date	Residual
6/24/2004	6.59722
9/15/2004	40.5972
12/15/2004	26.5972
3/16/2005	13.4028
6/15/2005	12.4028
9/21/2005	18.4028
12/20/2006	19.5972

6/12/2007	52.5972
12/17/2007	84.5972
6/11/2008	12.4028
12/3/2008	54.5972
6/17/2009	14.4028
12/9/2009	20.4028
6/17/2010	19.4028
12/22/2010	12.5028
6/29/2011	13.8028
12/7/2011	17.3028
6/6/2012	21.1028
6/19/2013	19.2028
12/11/2013	6.30278
6/11/2014	91.5972
12/3/2014	15.7028
6/17/2015	27.5428
12/1/2015	23.3028
6/22/2016	25.1028
12/20/2016	4.50278
6/6/2017	26.4828
11/7/2017	21.0028
2/27/2018	22.8028
5/7/2019	23.2028
11/21/2019	148.597
6/25/2020	29.2028
11/17/2020	16.5028
5/26/2021	30.1328
11/16/2021	26.3728
4/8/2022	32.4828

Group: MW#03-2

Date	Residual
6/24/2004	117.478
9/15/2004	157.478
12/15/2004	135.478
3/16/2005	111.478
6/15/2005	166.478
9/21/2005	109.478
12/21/2005	117.478
3/15/2006	159.478
12/20/2006	155.478
6/12/2007	121.478
12/17/2007	59.478
6/11/2008	122.478
12/3/2008	20.522
6/17/2009	105.478
12/9/2009	109.478
6/17/2010	83.478
12/22/2010	90.578
6/29/2011	88.478
12/7/2011	90.678
6/6/2012	82.478
12/12/2012	78.478
6/19/2013	76.478
12/11/2013	83.478
6/11/2014	179.178
12/3/2014	31.478
6/17/2015	10.478

12/1/2015	7.52195
6/22/2016	64.522
12/20/2016	261.522
6/6/2017	142.522
11/7/2017	326.522
2/27/2018	278.522
9/27/2018	236.522
5/7/2019	159.878
11/21/2019	204.522
6/25/2020	219.522
11/17/2020	187.522
5/26/2021	231.522
11/17/2021	267.522
4/8/2022	181.522
10/3/2022	173.522

Group: MW#93-2

Date	Residual
12/15/1994	915.622
3/14/1995	1365.62
6/21/1995	2730.62
12/14/1995	548.622
3/6/1996	765.622
4/25/1996	915.622
10/2/1996	351.378
12/10/1996	1084.38
3/11/1997	1215.62
4/15/1997	1415.62
8/14/1997	734.378
12/4/1997	1384.38
3/31/1998	415.622
6/23/1998	334.378
8/11/1998	134.378
12/8/1998	134.378
3/9/1999	684.378
6/8/1999	234.378
8/19/1999	1018.62
12/14/1999	415.622
3/7/2000	484.378
6/23/2000	484.378
12/12/2000	84.3778
3/27/2001	782.622
6/28/2001	165.622
9/10/2001	265.622
12/18/2001	34.3778
3/19/2002	51.3778
6/26/2002	134.378
9/18/2002	15.6222
12/11/2002	17.3778
3/13/2003	15.6222
6/25/2003	215.622
9/26/2003	148.622
12/10/2003	215.622
3/9/2004	365.622
6/24/2004	265.622
9/15/2004	215.622
12/15/2004	34.3778
3/16/2005	284.378

6/15/2005	265.622
9/21/2005	284.378
12/21/2005	284.378
3/15/2006	84.3778
6/21/2006	215.622
12/20/2006	415.622
2/21/2007	1015.62
6/12/2007	515.622
12/17/2007	184.378
6/11/2008	565.622
12/3/2008	384.378
12/15/2008	515.622
6/17/2009	615.622
12/9/2009	715.622
6/17/2010	15.6222
12/22/2010	544.378
6/29/2011	285.622
12/7/2011	395.622
6/6/2012	555.622
12/12/2012	324.378
6/19/2013	405.622
12/11/2013	455.622
6/11/2014	125.622
12/3/2014	24.3778
6/17/2015	2801.62
12/1/2015	684.378
6/22/2016	295.622
12/20/2016	884.378
6/6/2017	714.378
11/7/2017	1424.38
2/27/2018	954.378
9/27/2018	764.378
5/7/2019	974.378
11/21/2019	2903.22
6/25/2020	2392.62
11/16/2020	2124.38
5/26/2021	2184.38
11/17/2021	3024.38
4/8/2022	2004.38
10/4/2022	2554.38
10/4/2022	2774.38

Group: MW#93-3

Date	Residual
12/15/1994	85.6718
3/14/1995	85.6718
6/21/1995	85.6718
12/14/1995	85.6718
3/6/1996	85.6718
4/25/1996	85.6718
10/2/1996	84.6718
12/10/1996	85.6718
3/11/1997	83.6718
4/15/1997	80.6718
8/14/1997	84.6718
12/4/1997	87.6718
3/31/1998	50.6718
6/23/1998	91.6718

8/11/1998	86.6718
12/8/1998	93.6718
3/9/1999	85.6718
6/8/1999	92.6718
8/19/1999	85.6718
12/14/1999	85.6718
3/7/2000	82.6718
6/23/2000	81.6718
12/12/2000	88.6718
3/27/2001	92.6718
6/28/2001	85.6718
9/10/2001	75.6718
12/18/2001	76.6718
3/19/2002	87.6718
6/26/2002	87.6718
9/18/2002	87.6718
12/11/2002	89.6718
3/13/2003	77.6718
6/25/2003	82.6718
9/26/2003	79.6718
12/10/2003	61.6718
3/9/2004	34.3282
6/24/2004	71.6718
9/15/2004	78.6718
12/15/2004	69.6718
3/16/2005	66.6718
6/15/2005	69.6718
9/21/2005	76.6718
12/21/2005	72.6718
3/15/2006	76.6718
6/21/2006	74.6718
12/20/2006	53.6718
6/12/2007	92.6718
12/17/2007	67.6718
6/11/2008	68.6718
12/3/2008	84.6718
6/17/2009	79.6718
12/9/2009	83.6718
6/17/2010	50.6718
12/22/2010	69.8718
6/29/2011	61.4718
12/7/2011	58.2718
6/6/2012	57.3718
12/12/2012	69.8718
6/19/2013	34.0718
12/11/2013	69.1718
6/11/2014	39.4718
12/3/2014	59.6718
6/17/2015	13.3282
12/1/2015	14.6718
6/22/2016	37.1718
12/20/2016	29.0718
6/6/2017	77.4718
11/7/2017	15.3718
2/27/2018	31.4718
9/27/2018	19.8718
5/7/2019	9.32821

11/21/2019	3914.33
6/25/2020	232.328
11/16/2020	162.328
5/26/2021	130.328
11/17/2021	190.328
4/8/2022	106.328
10/4/2022	121.328

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 4

Future Samples (k) = 4

Recent Dates = 1

Background Measurements (n) = 22

Maximum Background Value = 1130

Confidence Level = 84.6%

False Positive Rate = 15.4%

Location	Date	Count	Mean	Significant
MW#03-1	4/8/2022	1	81	FALSE
MW#03-2	10/3/2022	1	2060	TRUE
MW#93-2	10/4/2022	2	8180	TRUE
MW#93-3	10/4/2022	1	1230	TRUE

Shapiro-Francia Test of Normality

Parameter: Total Dissolved Solids

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 83

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	80	-2.29036	5.24576	-183.229
2	81	-1.99539	9.22736	-344.856
3	88	-1.81191	12.5104	-504.304
4	102	-1.67466	15.3149	-675.12
5	151	-1.56322	17.7585	-911.166
6	160	-1.46838	19.9147	-1146.11
7	320	-1.38517	21.8334	-1589.36
8	669	-1.31058	23.551	-2466.14
9	697	-1.24264	25.0952	-3332.26
10	730	-1.18	26.4876	-4193.66
11	743	-1.12639	27.7563	-5030.57
12	780	-1.07138	28.9042	-5866.25
13	810	-1.01943	29.9434	-6691.98
14	830	-0.970094	30.8845	-7497.16
15	834	-0.923014	31.7365	-8266.96
16	838	-0.877897	32.5072	-9002.63
17	840	-0.834498	33.2035	-9703.61
18	860	-0.792618	33.8318	-10385.3
19	861	-0.752084	34.3974	-11032.8
20	868	-0.712751	34.9054	-11651.5
21	878	-0.67449	35.3604	-12243.7
22	880	-0.640266	35.7703	-12807.1
23	882	-0.603765	36.1348	-13339.6
24	907	-0.568052	36.4575	-13854.9
25	911	-0.533048	36.7417	-14340.5
26	942	-0.498687	36.9904	-14810.2
27	952	-0.464904	37.2065	-15252.8
28	961	-0.431644	37.3928	-15667.6
29	966	-0.398855	37.5519	-16052.9
30	966	-0.36649	37.6862	-16406.9
31	971	-0.334503	37.7981	-16731.7
32	986	-0.305481	37.8914	-17033
33	988	-0.27411	37.9666	-17303.8
34	1000	-0.243007	38.0256	-17546.8
35	1000	-0.212137	38.0706	-17758.9
36	1000	-0.181468	38.1035	-17940.4
37	1050	-0.150969	38.1263	-18098.9
38	1050	-0.12061	38.1409	-18225.5
39	1120	-0.0903606	38.149	-18326.7
40	1130	-0.0601949	38.1527	-18394.8
41	1189	-0.0300838	38.1536	-18430.5
42	1190	0	38.1536	-18430.5
43	1230	0.0300838	38.1545	-18393.5
44	1240	0.0601949	38.1581	-18318.9
45	1240	0.0903606	38.1663	-18206.8
46	1250	0.12061	38.1808	-18056.1
47	1300	0.150969	38.2036	-17859.8

48	1310	0.181468	38.2365	-17622.1
49	1310	0.212137	38.2815	-17344.2
50	1390	0.243007	38.3406	-17006.4
51	1420	0.27411	38.4157	-16617.2
52	1490	0.305481	38.509	-16162
53	1510	0.334503	38.6209	-15656.9
54	1550	0.36649	38.7553	-15088.9
55	1630	0.398855	38.9143	-14438.7
56	1720	0.431644	39.1007	-13696.3
57	1760	0.464904	39.3168	-12878.1
58	1770	0.498687	39.5655	-11995.4
59	1790	0.533048	39.8496	-11041.2
60	1940	0.568052	40.1723	-9939.21
61	2060	0.603765	40.5368	-8695.46
62	3160	0.640266	40.9468	-6672.22
63	7160	0.67449	41.4017	-1842.86
64	7280	0.712751	41.9097	3345.96
65	7350	0.752084	42.4754	8873.78
66	7440	0.792618	43.1036	14770.9
67	7520	0.834498	43.8	21046.3
68	7530	0.877897	44.5707	27656.8
69	7560	0.923014	45.4226	34634.8
70	7700	0.970094	46.3637	42104.6
71	7820	1.01943	47.403	50076.5
72	7920	1.07138	48.5508	58561.8
73	7950	1.12639	49.8196	67516.6
74	8020	1.18	51.212	76980.2
75	8060	1.24264	52.7561	86995.9
76	8300	1.31058	54.4737	97873.7
77	8400	1.38517	56.3924	109509
78	8480	1.46838	58.5486	121961
79	8780	1.56322	60.9923	135686
80	8860	1.67466	63.7968	150524
81	8890	1.81191	67.0798	166632
82	10000	1.99539	71.0614	186586
83	46400	2.29036	76.3071	292858

Data Set Standard Deviation = 5682.68
 Numerator = 8.5766e+010
 Denominator = 2.02062e+011
 W Statistic = 0.424453 = 8.5766e+010 / 2.02062e+011

5% Critical value of 0.971 exceeds 0.424453
Evidence of non-normality at 95% level of significance

1% Critical value of 0.96 exceeds 0.424453
Evidence of non-normality at 99% level of significance

Levene's Test for Equal of Variance

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Overall Mean = 1018.09

Overall Std Dev = 4196.25

Overall Total = 84501.2

SS Groups = 1.66967e+008

SS Total = 1.4439e+009

ANOVA Table

Source of Variation	Sum of Squares	Degrees of Freedom	Mean Squares	F
Between Groups	1.66967e+008	4	4.17417e+007	2.54975
Error (within groups)	1.27693e+009	78	1.63709e+007	
Totals	1.4439e+009	82		

95% F-Statistic = 2.44724

2.54975 exceeds 2.44724; assumption of equal variance should be rejected

Group: MW#93-1

Sample	Residual
6/6/2012	64.6818
12/12/2012	52.6818
6/19/2013	9.31818
12/11/2013	28.3182
6/11/2014	38.3182
12/3/2014	25.6818
6/17/2015	50.6818
12/1/2015	72.6818
6/22/2016	92.6818
12/20/2016	94.6818
6/6/2017	122.682
11/7/2017	54.6818
2/27/2018	102.682
9/27/2018	117.318
5/7/2019	19.3182
11/21/2019	33.3182
6/25/2020	67.3182
11/17/2020	33.3182
5/26/2021	55.3182
11/17/2021	67.3182
4/8/2022	197.318
10/4/2022	67.3182

Group: MW#03-1

Date	Residual
5/7/2019	38.2857
11/21/2019	60.2857
6/25/2020	10.7143
11/17/2020	179.714
5/26/2021	52.2857
11/16/2021	19.7143

4/8/2022 59.2857

Group: MW#03-2

Date	Residual
9/27/2018	81.1111
5/7/2019	471.111
11/21/2019	48.8889
6/25/2020	228.889
11/17/2020	58.8889
5/26/2021	78.8889
11/17/2021	221.111
4/8/2022	8.88889
10/3/2022	348.889

Group: MW#93-2

Date	Residual
6/6/2012	1657.39
12/12/2012	1267.39
6/19/2013	1907.39
12/11/2013	1747.39
6/11/2014	2027.39
12/3/2014	1487.39
6/17/2015	8457.39
12/1/2015	1237.39
6/22/2016	6027.39
12/20/2016	407.391
6/6/2017	1837.39
11/7/2017	1367.39
2/27/2018	1627.39
9/27/2018	297.391
5/7/2019	707.391
11/21/2019	787.391
6/25/2020	327.391
11/16/2020	37212.6
5/26/2021	1667.39
11/17/2021	1167.39
4/8/2022	812.609
10/4/2022	1127.39
10/4/2022	887.391

Group: MW#93-3

Date	Residual
6/6/2012	281.455
12/12/2012	446.455
6/19/2013	254.455
12/11/2013	418.455
6/11/2014	129.455
12/3/2014	372.455
6/17/2015	204.455
12/1/2015	65.4545
6/22/2016	274.545
12/20/2016	73.5455
6/6/2017	335.455
11/7/2017	134.545
2/27/2018	74.5455
9/27/2018	304.545
5/7/2019	394.545
11/21/2019	434.545
6/25/2020	194.545
11/16/2020	194.545

5/26/2021	124.545
11/17/2021	4.54545
4/8/2022	184.545
10/4/2022	114.545

Concentrations (ppb)

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 83

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 22

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	22	0 (0%)	6/6/2012	868	868
			12/12/2012	880	880
			6/19/2013	942	942
			12/11/2013	961	961
			6/11/2014	971	971
			12/3/2014	907	907
			6/17/2015	882	882
			12/1/2015	860	860
			6/22/2016	840	840
			12/20/2016	838	838
			6/6/2017	810	810
			11/7/2017	878	878
			2/27/2018	830	830
			9/27/2018	1050	1050
			5/7/2019	952	952
			11/21/2019	966	966
			6/25/2020	1000	1000
			11/17/2020	966	966
			5/26/2021	988	988
			11/17/2021	1000	1000
4/8/2022	1130	1130			
10/4/2022	1000	1000			

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW#03-1	7	0 (0%)	5/7/2019	102	102
			11/21/2019	80	80
			6/25/2020	151	151
			11/17/2020	320	320
			5/26/2021	88	88
			11/16/2021	160	160
			4/8/2022	81	81
MW#03-2	9	0 (0%)	9/27/2018	1630	1630
			5/7/2019	1240	1240
			11/21/2019	1760	1760
			6/25/2020	1940	1940
			11/17/2020	1770	1770
			5/26/2021	1790	1790
			11/17/2021	1490	1490
			4/8/2022	1720	1720
10/3/2022	2060	2060			

MW#93-2	23	0 (0%)	6/6/2012	7530	7530
			12/12/2012	7920	7920
			6/19/2013	7280	7280
			12/11/2013	7440	7440
			6/11/2014	7160	7160
			12/3/2014	7700	7700
			6/17/2015	730	730
			12/1/2015	7950	7950
			6/22/2016	3160	3160
			12/20/2016	8780	8780
			6/6/2017	7350	7350
			11/7/2017	7820	7820
			2/27/2018	7560	7560
			9/27/2018	8890	8890
			5/7/2019	8480	8480
			11/21/2019	8400	8400
			6/25/2020	8860	8860
			11/16/2020	46400	46400
			5/26/2021	7520	7520
			11/17/2021	8020	8020
			4/8/2022	10000	10000
			10/4/2022	8060	8060
			10/4/2022	8300	8300

MW#93-3	22	0 (0%)	6/6/2012	834	834
			12/12/2012	669	669
			6/19/2013	861	861
			12/11/2013	697	697
			6/11/2014	986	986
			12/3/2014	743	743
			6/17/2015	911	911
			12/1/2015	1050	1050
			6/22/2016	1390	1390
			12/20/2016	1189	1189
			6/6/2017	780	780
			11/7/2017	1250	1250
			2/27/2018	1190	1190
			9/27/2018	1420	1420
			5/7/2019	1510	1510
			11/21/2019	1550	1550
			6/25/2020	1310	1310
			11/16/2020	1310	1310
			5/26/2021	1240	1240
			11/17/2021	1120	1120
			4/8/2022	1300	1300
			10/4/2022	1230	1230

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#03-2

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 21

Maximum Baseline Concentration = 2060

Confidence Level = 95.5%

False Positive Rate = 4.5%

Baseline Measurements	Date	Value
	9/27/2018	1630
	5/7/2019	1240
	11/21/2019	1760
	6/25/2020	1940
	11/17/2020	1770
	5/26/2021	1790
	11/17/2021	1490
	4/8/2022	1720
	10/3/2022	2060

Date	Count	Mean	Significant
10/3/2022	1	2060	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-2

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 21

Maximum Baseline Concentration = 46400

Confidence Level = 95.5%

False Positive Rate = 4.5%

Baseline Measurements	Date	Value
	6/6/2012	7530
	12/12/2012	7920
	6/19/2013	7280
	12/11/2013	7440
	6/11/2014	7160
	12/3/2014	7700
	6/17/2015	730
	12/1/2015	7950
	6/22/2016	3160
	12/20/2016	8780
	6/6/2017	7350
	11/7/2017	7820
	2/27/2018	7560
	9/27/2018	8890
	5/7/2019	8480
	11/21/2019	8400
	6/25/2020	8860
	11/16/2020	46400
	5/26/2021	7520
	11/17/2021	8020
	4/8/2022	10000

Date	Count	Mean	Significant
10/4/2022	2	8180	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW#93-3

Parameter: Total Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 21

Maximum Baseline Concentration = 1550

Confidence Level = 95.5%

False Positive Rate = 4.5%

Baseline Measurements	Date	Value
	6/6/2012	834
	12/12/2012	669
	6/19/2013	861
	12/11/2013	697
	6/11/2014	986
	12/3/2014	743
	6/17/2015	911
	12/1/2015	1050
	6/22/2016	1390
	12/20/2016	1189
	6/6/2017	780
	11/7/2017	1250
	2/27/2018	1190
	9/27/2018	1420
	5/7/2019	1510
	11/21/2019	1550
	6/25/2020	1310
	11/16/2020	1310
	5/26/2021	1240
	11/17/2021	1120
	4/8/2022	1300

Date	Count	Mean	Significant
10/4/2022	1	1230	FALSE

Concentrations (ppb)

Parameter: Thallium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 79

Total Non-Detect: 79

Percent Non-Detects: 100%

Total Background Measurements: 16

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW#93-1	16	16 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
			10/3/2022	ND<0.001	ND<0.001

There are 4 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original	
MW#03-1	15	15 (100%)	5/24/2018	ND<0.01	ND<0.01	
			6/19/2018	ND<0.01	ND<0.01	
			7/19/2018	ND<0.01	ND<0.01	
			8/22/2018	ND<0.01	ND<0.01	
			10/18/2018	ND<0.01	ND<0.01	
			11/20/2018	ND<0.01	ND<0.01	
			12/20/2018	ND<0.01	ND<0.01	
			3/26/2019	ND<0.01	ND<0.01	
			11/21/2019	ND<0.001	ND<0.001	
			2/11/2020	ND<0.01	ND<0.01	
			6/25/2020	ND<0.001	ND<0.001	
			11/17/2020	ND<0.001	ND<0.001	
			5/26/2021	ND<0.001	ND<0.001	
			11/16/2021	ND<0.001	ND<0.001	
			4/8/2022	ND<0.001	ND<0.001	
			MW#03-2	16	16 (100%)	5/24/2018
6/19/2018	ND<0.01	ND<0.01				
7/19/2018	ND<0.01	ND<0.01				
8/22/2018	ND<0.01	ND<0.01				
9/19/2018	ND<0.01	ND<0.01				
10/18/2018	ND<0.01	ND<0.01				
11/20/2018	ND<0.01	ND<0.01				
12/20/2018	ND<0.01	ND<0.01				

			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/17/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
			10/3/2022	ND<0.001	ND<0.001
MW#93-2	16	16 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
			10/3/2022	ND<0.001	ND<0.001
MW#93-3	16	16 (100%)	5/24/2018	ND<0.01	ND<0.01
			6/19/2018	ND<0.01	ND<0.01
			7/19/2018	ND<0.01	ND<0.01
			8/22/2018	ND<0.01	ND<0.01
			9/19/2018	ND<0.01	ND<0.01
			10/18/2018	ND<0.01	ND<0.01
			11/20/2018	ND<0.01	ND<0.01
			12/20/2018	ND<0.01	ND<0.01
			11/21/2019	ND<0.001	ND<0.001
			2/11/2020	ND<0.01	ND<0.01
			6/25/2020	ND<0.001	ND<0.001
			11/16/2020	ND<0.001	ND<0.001
			5/26/2021	ND<0.001	ND<0.001
			11/17/2021	ND<0.001	ND<0.001
			4/8/2022	ND<0.001	ND<0.001
			10/3/2022	ND<0.001	ND<0.001

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Concentrations (ppb)

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	637	637
			5/9/2022	631	631
			5/31/2022	555	555
			6/20/2022	532	532
			7/18/2022	514	514
			8/18/2022	552	552
			9/13/2022	514	514
			10/3/2022	517	517

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	277	277
			5/9/2022	367	367
			5/31/2022	225	225
			6/20/2022	212	212
			7/19/2022	360	360
			8/18/2022	414	414
			9/13/2022	381	381
			10/3/2022	371	371

MW22-03	8	0 (0%)	4/7/2022	216	216
			5/9/2022	216	216
			5/31/2022	245	245
			6/20/2022	245	245
			7/19/2022	249	249
			8/18/2022	271	271
			9/13/2022	226	226
			10/4/2022	200	200

MW22-04	9	0 (0%)	4/7/2022	96.2	96.2
			5/9/2022	382	382
			5/31/2022	175	175
			6/20/2022	222	222
			6/20/2022	208	208
			7/18/2022	123	123
			8/18/2022	115	115
			9/13/2022	97.1	97.1
10/4/2022	88.5	88.5			

MW22-05	8	0 (0%)	4/7/2022	212	212
			5/9/2022	154	154
			5/31/2022	149	149
			6/20/2022	196	196

			7/18/2022	236	236
			8/18/2022	373	373
			9/13/2022	365	365
			10/3/2022	377	377
MW22-06	9	0 (0%)	4/8/2022	276	276
			5/9/2022	274	274
			5/31/2022	269	269
			6/20/2022	264	264
			7/18/2022	262	262
			8/18/2022	293	293
			8/18/2022	288	288
			9/13/2022	269	269
			10/3/2022	266	266
MW22-08	9	0 (0%)	4/8/2022	437	437
			5/9/2022	422	422
			5/31/2022	404	404
			5/31/2022	412	412
			6/20/2022	397	397
			7/18/2022	393	393
			8/18/2022	424	424
			9/13/2022	391	391
			10/4/2022	393	393
MW22-07	8	0 (0%)	4/8/2022	297	297
			5/9/2022	308	308
			5/31/2022	299	299
			6/20/2022	281	281
			7/19/2022	278	278
			8/18/2022	318	318
			9/13/2022	301	301
			10/4/2022	303	303

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-01	1	0 (0%)	4/8/2022	40.8	40.8
MW03-02	2	0 (0%)	4/8/2022 10/3/2022	230 219	230 219
MW93-01	1	0 (0%)	4/8/2022	406	406
MW93-02	1	0 (0%)	4/8/2022	144	144
MW93-03	1	0 (0%)	4/8/2022	590	590
MW93-1	1	0 (0%)	10/4/2022	405	405
MW93-2	2	0 (0%)	10/4/2022 10/4/2022	83.8 83.4	83.8 83.4
MW93-3	1	0 (0%)	10/4/2022	581	581

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Alkalinity

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 637

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	371	FALSE
MW22-03	10/4/2022	1	200	FALSE
MW22-04	10/4/2022	1	88.5	FALSE
MW22-05	10/3/2022	1	377	FALSE
MW22-06	10/3/2022	1	266	FALSE
MW22-08	10/4/2022	1	393	FALSE
MW22-07	10/4/2022	1	303	FALSE

Concentrations (ppb)

Parameter: Antimony

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 64

Total Non-Detect: 64

Percent Non-Detects: 100%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	8 (100%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	8 (100%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005

MW22-03	8	8 (100%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005

MW22-04	8	8 (100%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005

MW22-05	8	8 (100%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005

			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW22-06	8	8 (100%)	4/8/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW22-08	8	8 (100%)	4/8/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005
MW22-07	8	8 (100%)	4/8/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	2 (100%)	4/8/2022	ND<0	ND<0
			10/3/2022	ND<0	ND<0
MW03-01	1	1 (100%)	4/8/2022	ND<0.005	ND<0.005
MW93-01	1	1 (100%)	4/8/2022	ND<0.005	ND<0.005
MW93-02	1	1 (100%)	4/8/2022	ND<0.005	ND<0.005
MW93-03	1	1 (100%)	4/8/2022	ND<0	ND<0
MW93-1	1	1 (100%)	10/4/2022	ND<0.005	ND<0.005
MW93-2	2	2 (100%)	10/4/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005
MW93-3	1	1 (100%)	10/4/2022	ND<0	ND<0

Concentrations (ppb)

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 1

Percent Non-Detects: 1.49254%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	0.000639	0.000639
			5/9/2022	0.000949	0.000949
			5/31/2022	0.000386	0.000386
			6/20/2022	0.000436	0.000436
			7/18/2022	0.000347	0.000347
			8/18/2022	0.000348	0.000348
			9/13/2022	0.000382	0.000382
			10/3/2022	0.000421	0.000421

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	1 (12.5%)	4/7/2022	0.000948	0.000948
			5/9/2022	0.00231	0.00231
			5/31/2022	0.00233	0.00233
			6/20/2022	0.00307	0.00307
			7/19/2022	0.00217	0.00217
			8/18/2022	0.00165	0.00165
			9/13/2022	0.00208	0.00208
			10/3/2022	ND<0.01	ND<0.01

MW22-03	8	0 (0%)	4/7/2022	0.00073	0.00073
			5/9/2022	0.00292	0.00292
			5/31/2022	0.00711	0.00711
			6/20/2022	0.0083	0.0083
			7/19/2022	0.00952	0.00952
			8/18/2022	0.0106	0.0106
			9/13/2022	0.00662	0.00662
			10/4/2022	0.00399	0.00399

MW22-04	9	0 (0%)	4/7/2022	0.000632	0.000632
			5/9/2022	0.000787	0.000787
			5/31/2022	0.000355	0.000355
			6/20/2022	0.000569	0.000569
			6/20/2022	0.00044	0.00044
			7/18/2022	0.000399	0.000399
			8/18/2022	0.000352	0.000352
			9/13/2022	0.00068	0.00068
10/4/2022	0.000606	0.000606			

MW22-05	8	0 (0%)	4/7/2022	0.00115	0.00115
			5/9/2022	0.000327	0.000327
			5/31/2022	0.000227	0.000227
			6/20/2022	0.000324	0.000324

			7/18/2022	0.000234	0.000234
			8/18/2022	0.00022	0.00022
			9/13/2022	0.000266	0.000266
			10/3/2022	0.00028	0.00028
MW22-06	9	0 (0%)	4/8/2022	0.000247	0.000247
			5/9/2022	0.000381	0.000381
			5/31/2022	0.00028	0.00028
			6/20/2022	0.000435	0.000435
			7/18/2022	0.000317	0.000317
			8/18/2022	0.000344	0.000344
			8/18/2022	0.000269	0.000269
			9/13/2022	0.000288	0.000288
			10/3/2022	0.000357	0.000357
MW22-08	9	0 (0%)	4/8/2022	0.000622	0.000622
			5/9/2022	0.000463	0.000463
			5/31/2022	0.000432	0.000432
			5/31/2022	0.000402	0.000402
			6/20/2022	0.000583	0.000583
			7/18/2022	0.000506	0.000506
			8/18/2022	0.000504	0.000504
			9/13/2022	0.000502	0.000502
			10/4/2022	0.000542	0.000542
MW22-07	8	0 (0%)	4/8/2022	0.000522	0.000522
			5/9/2022	0.000517	0.000517
			5/31/2022	0.000596	0.000596
			6/20/2022	0.000611	0.000611
			7/19/2022	0.000502	0.000502
			8/18/2022	0.000314	0.000314
			9/13/2022	0.00036	0.00036
			10/4/2022	0.000341	0.000341

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-01	1	0 (0%)	4/8/2022	0.000455	0.000455
MW03-02	2	2 (100%)	4/8/2022 10/3/2022	ND<0.001 ND<0.001	ND<0.001 ND<0.001
MW93-01	1	0 (0%)	4/8/2022	0.000291	0.000291
MW93-02	1	0 (0%)	4/8/2022	0.0213	0.0213
MW93-03	1	0 (0%)	4/8/2022	0.000685	0.000685
MW93-1	1	0 (0%)	10/4/2022	0.000393	0.000393
MW93-2	2	0 (0%)	10/4/2022 10/4/2022	0.0556 0.0535	0.0556 0.0535
MW93-3	1	0 (0%)	10/4/2022	0.000641	0.000641

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 1.49254%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.000949

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	0.01	TRUE
MW22-03	10/4/2022	1	0.00399	TRUE
MW22-04	10/4/2022	1	0.000606	FALSE
MW22-05	10/3/2022	1	0.00028	FALSE
MW22-06	10/3/2022	1	0.000357	FALSE
MW22-08	10/4/2022	1	0.000542	FALSE
MW22-07	10/4/2022	1	0.000341	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-03

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.0106

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	0.00073
	5/9/2022	0.00292
	5/31/2022	0.00711
	6/20/2022	0.0083
	7/19/2022	0.00952
	8/18/2022	0.0106
	9/13/2022	0.00662

Date	Count	Mean	Significant
10/4/2022	1	0.00399	FALSE

Concentrations (ppb)

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	0.0621	0.0621
			5/9/2022	0.0554	0.0554
			5/31/2022	0.0431	0.0431
			6/20/2022	0.0399	0.0399
			7/18/2022	0.0365	0.0365
			8/18/2022	0.0373	0.0373
			9/13/2022	0.0349	0.0349
			10/3/2022	0.0347	0.0347

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	0.0435	0.0435
			5/9/2022	0.0691	0.0691
			5/31/2022	0.0635	0.0635
			6/20/2022	0.0687	0.0687
			7/19/2022	0.0562	0.0562
			8/18/2022	0.0444	0.0444
			9/13/2022	0.0381	0.0381
			10/3/2022	0.032	0.032

MW22-03	8	0 (0%)	4/7/2022	0.269	0.269
			5/9/2022	0.191	0.191
			5/31/2022	0.274	0.274
			6/20/2022	0.382	0.382
			7/19/2022	0.346	0.346
			8/18/2022	0.189	0.189
			9/13/2022	0.245	0.245
			10/4/2022	0.109	0.109

MW22-04	9	0 (0%)	4/7/2022	0.108	0.108
			5/9/2022	0.0487	0.0487
			5/31/2022	0.0731	0.0731
			6/20/2022	0.0662	0.0662
			6/20/2022	0.0661	0.0661
			7/18/2022	0.0742	0.0742
			8/18/2022	0.0719	0.0719
			9/13/2022	0.0745	0.0745
10/4/2022	0.0633	0.0633			

MW22-05	8	0 (0%)	4/7/2022	0.484	0.484
			5/9/2022	0.456	0.456
			5/31/2022	0.461	0.461
			6/20/2022	0.515	0.515

			7/18/2022	0.45	0.45
			8/18/2022	0.388	0.388
			9/13/2022	0.357	0.357
			10/3/2022	0.356	0.356
MW22-06	9	0 (0%)	4/8/2022	0.121	0.121
			5/9/2022	0.0798	0.0798
			5/31/2022	0.0765	0.0765
			6/20/2022	0.079	0.079
			7/18/2022	0.0692	0.0692
			8/18/2022	0.0721	0.0721
			8/18/2022	0.0742	0.0742
			9/13/2022	0.0643	0.0643
			10/3/2022	0.0633	0.0633
MW22-08	9	0 (0%)	4/8/2022	0.104	0.104
			5/9/2022	0.0993	0.0993
			5/31/2022	0.0801	0.0801
			5/31/2022	0.0791	0.0791
			6/20/2022	0.0712	0.0712
			7/18/2022	0.0659	0.0659
			8/18/2022	0.0737	0.0737
			9/13/2022	0.0708	0.0708
			10/4/2022	0.0747	0.0747
MW22-07	8	0 (0%)	4/8/2022	0.0944	0.0944
			5/9/2022	0.0961	0.0961
			5/31/2022	0.106	0.106
			6/20/2022	0.119	0.119
			7/19/2022	0.0742	0.0742
			8/18/2022	0.0719	0.0719
			9/13/2022	0.056	0.056
			10/4/2022	0.0532	0.0532

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-01	1	0 (0%)	4/8/2022	0.0301	0.0301
MW03-02	2	0 (0%)	4/8/2022 10/3/2022	0.0301 0.0281	0.0301 0.0281
MW93-01	1	0 (0%)	4/8/2022	0.0199	0.0199
MW93-02	1	0 (0%)	4/8/2022	0.141	0.141
MW93-03	1	0 (0%)	4/8/2022	0.064	0.064
MW93-1	1	0 (0%)	10/4/2022	0.0189	0.0189
MW93-2	2	0 (0%)	10/4/2022 10/4/2022	0.132 0.127	0.132 0.127
MW93-3	1	0 (0%)	10/4/2022	0.0503	0.0503

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.0621

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	0.032	FALSE
MW22-03	10/4/2022	1	0.109	TRUE
MW22-04	10/4/2022	1	0.0633	TRUE
MW22-05	10/3/2022	1	0.356	TRUE
MW22-06	10/3/2022	1	0.0633	TRUE
MW22-08	10/4/2022	1	0.0747	TRUE
MW22-07	10/4/2022	1	0.0532	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-03

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.382

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	0.269
	5/9/2022	0.191
	5/31/2022	0.274
	6/20/2022	0.382
	7/19/2022	0.346
	8/18/2022	0.189
	9/13/2022	0.245

Date	Count	Mean	Significant
10/4/2022	1	0.109	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-04

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.108

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	0.108
	5/9/2022	0.0487
	5/31/2022	0.0731
	6/20/2022	0.0662
	6/20/2022	0.0661
	7/18/2022	0.0742
	8/18/2022	0.0719

Date	Count	Mean	Significant
10/4/2022	1	0.0633	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-05

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.515

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	0.484
	5/9/2022	0.456
	5/31/2022	0.461
	6/20/2022	0.515
	7/18/2022	0.45
	8/18/2022	0.388
	9/13/2022	0.357

Date	Count	Mean	Significant
10/3/2022	1	0.356	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-06

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.121

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	0.121
	5/9/2022	0.0798
	5/31/2022	0.0765
	6/20/2022	0.079
	7/18/2022	0.0692
	8/18/2022	0.0721
	8/18/2022	0.0742

Date	Count	Mean	Significant
10/3/2022	1	0.0633	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-08

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.104

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	0.104
	5/9/2022	0.0993
	5/31/2022	0.0801
	5/31/2022	0.0791
	6/20/2022	0.0712
	7/18/2022	0.0659
	8/18/2022	0.0737

Date	Count	Mean	Significant
10/4/2022	1	0.0747	FALSE

Concentrations (ppb)

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 23

Percent Non-Detects: 34.3284%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	0.247	0.247
			5/9/2022	0.339	0.339
			5/31/2022	0.213	0.213
			6/20/2022	0.139	0.139
			7/18/2022	0.107	0.107
			8/18/2022	0.093	0.093
			9/13/2022	0.106	0.106
			10/3/2022	0.0962	0.0962

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	1.87	1.87
			5/9/2022	2.93	2.93
			5/31/2022	3.08	3.08
			6/20/2022	3.08	3.08
			7/19/2022	2.94	2.94
			8/18/2022	3.16	3.16
			9/13/2022	3.03	3.03
			10/3/2022	3.25	3.25

MW22-03	8	0 (0%)	4/7/2022	0.109	0.109
			5/9/2022	0.126	0.126
			5/31/2022	0.11	0.11
			6/20/2022	0.0975	0.0975
			7/19/2022	0.106	0.106
			8/18/2022	0.177	0.177
			9/13/2022	0.174	0.174
			10/4/2022	0.209	0.209

MW22-04	9	4 (44.4444%)	4/7/2022	ND<0.2	ND<0.2
			5/9/2022	0.0953	0.0953
			5/31/2022	0.0578	0.0578
			6/20/2022	0.0609	0.0609
			6/20/2022	0.0556	0.0556
			7/18/2022	0.0434	0.0434
			8/18/2022	ND<0.2	ND<0.2
			9/13/2022	ND<0.2	ND<0.2
10/4/2022	ND<0.2	ND<0.2			

MW22-05	8	8 (100%)	4/7/2022	ND<0.2	ND<0.2
			5/9/2022	ND<0.2	ND<0.2
			5/31/2022	ND<0.2	ND<0.2
			6/20/2022	ND<0.2	ND<0.2

			7/18/2022	ND<0.2	ND<0.2
			8/18/2022	ND<0.2	ND<0.2
			9/13/2022	ND<0.2	ND<0.2
			10/3/2022	ND<0.2	ND<0.2
MW22-06	9	9 (100%)	4/8/2022	ND<0.2	ND<0.2
			5/9/2022	ND<0.2	ND<0.2
			5/31/2022	ND<0.2	ND<0.2
			6/20/2022	ND<0.2	ND<0.2
			7/18/2022	ND<0.2	ND<0.2
			8/18/2022	ND<0.2	ND<0.2
			8/18/2022	ND<0.2	ND<0.2
			9/13/2022	ND<0.2	ND<0.2
			10/3/2022	ND<0.2	ND<0.2
MW22-08	9	1 (11.1111%)	4/8/2022	0.184	0.184
			5/9/2022	0.171	0.171
			5/31/2022	ND<0.2	ND<0.2
			5/31/2022	0.0958	0.0958
			6/20/2022	0.163	0.163
			7/18/2022	0.168	0.168
			8/18/2022	0.167	0.167
			9/13/2022	0.166	0.166
			10/4/2022	0.19	0.19
MW22-07	8	1 (12.5%)	4/8/2022	ND<0.2	ND<0.2
			5/9/2022	0.0811	0.0811
			5/31/2022	0.172	0.172
			6/20/2022	0.136	0.136
			7/19/2022	0.0881	0.0881
			8/18/2022	0.0798	0.0798
			9/13/2022	0.0888	0.0888
			10/4/2022	0.0895	0.0895

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	2 (100%)	4/8/2022	ND<0.2	ND<0.2
			10/3/2022	ND<0.2	ND<0.2
MW03-01	1	1 (100%)	4/8/2022	ND<0.2	ND<0.2
MW93-01	1	0 (0%)	4/8/2022	0.321	0.321
MW93-02	1	0 (0%)	4/8/2022	1.42	1.42
MW93-03	1	0 (0%)	4/8/2022	0.0765	0.0765
MW93-1	1	0 (0%)	10/4/2022	0.338	0.338
MW93-2	2	0 (0%)	10/4/2022	1.92	1.92
			10/4/2022	1.84	1.84
MW93-3	1	0 (0%)	10/4/2022	0.0927	0.0927

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 34.3284%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.339

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	3.25	TRUE
MW22-03	10/4/2022	1	0.209	FALSE
MW22-04	10/4/2022	1	0.2	FALSE
MW22-05	10/3/2022	1	0.2	FALSE
MW22-06	10/3/2022	1	0.2	FALSE
MW22-08	10/4/2022	1	0.19	FALSE
MW22-07	10/4/2022	1	0.0895	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Boron

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 3.16

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	1.87
	5/9/2022	2.93
	5/31/2022	3.08
	6/20/2022	3.08
	7/19/2022	2.94
	8/18/2022	3.16
	9/13/2022	3.03

Date	Count	Mean	Significant
10/3/2022	1	3.25	TRUE

Concentrations (ppb)

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 58

Percent Non-Detects: 86.5672%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-07	8	8 (100%)	4/8/2022	ND<0.001	ND<0.001
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/19/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/4/2022	ND<0.001	ND<0.001

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	6 (75%)	4/7/2022	0.000263	0.000263
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/3/2022	0.000216	0.000216
MW22-02	8	8 (100%)	4/7/2022	ND<0.001	ND<0.001
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/19/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/3/2022	ND<0.01	ND<0.01
MW22-03	8	7 (87.5%)	4/7/2022	0.000341	0.000341
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/19/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/4/2022	ND<0.001	ND<0.001
MW22-04	9	9 (100%)	4/7/2022	ND<0.001	ND<0.001
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001

			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/4/2022	ND<0.001	ND<0.001
MW22-05	8	2 (25%)	4/7/2022	0.000395	0.000395
			5/9/2022	0.000252	0.000252
			5/31/2022	0.000256	0.000256
			6/20/2022	0.000236	0.000236
			7/18/2022	0.000323	0.000323
			8/18/2022	0.000165	0.000165
			9/13/2022	ND<0	ND<0
			10/3/2022	ND<0.001	ND<0.001
MW22-06	9	9 (100%)	4/8/2022	ND<0.001	ND<0.001
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/3/2022	ND<0.001	ND<0.001
MW22-08	9	9 (100%)	4/8/2022	ND<0.001	ND<0.001
			5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0	ND<0
			10/4/2022	ND<0.001	ND<0.001

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	2 (100%)	4/8/2022	ND<0.001	ND<0.001
			10/3/2022	ND<0.001	ND<0.001
MW03-01	1	1 (100%)	4/8/2022	ND<0.001	ND<0.001
MW93-01	1	0 (0%)	4/8/2022	0.000376	0.000376
MW93-02	1	1 (100%)	4/8/2022	ND<0.001	ND<0.001
MW93-03	1	1 (100%)	4/8/2022	ND<0.001	ND<0.001
MW93-1	1	0 (0%)	10/4/2022	0.000631	0.000631
MW93-2	2	2 (100%)	10/4/2022	ND<0.01	ND<0.01
			10/4/2022	ND<0.01	ND<0.01
MW93-3	1	1 (100%)	10/4/2022	ND<0.001	ND<0.001

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 86.5672%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.001

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-01	10/3/2022	1	0.000216	FALSE
MW22-02	10/3/2022	1	0.01	TRUE
MW22-03	10/4/2022	1	0.001	FALSE
MW22-04	10/4/2022	1	0.001	FALSE
MW22-05	10/3/2022	1	0.001	FALSE
MW22-06	10/3/2022	1	0.001	FALSE
MW22-08	10/4/2022	1	0.001	FALSE

Concentrations (ppb)

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	323	323
			5/9/2022	304	304
			5/31/2022	309	309
			6/20/2022	306	306
			7/18/2022	269	269
			8/18/2022	264	264
			9/13/2022	270	270
			10/3/2022	275	275

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	238	238
			5/9/2022	236	236
			5/31/2022	297	297
			6/20/2022	339	339
			7/19/2022	307	307
			8/18/2022	338	338
			9/13/2022	334	334
			10/3/2022	370	370

MW22-03	8	0 (0%)	4/7/2022	122	122
			5/9/2022	144	144
			5/31/2022	241	241
			6/20/2022	343	343
			7/19/2022	306	306
			8/18/2022	134	134
			9/13/2022	133	133
			10/4/2022	57.4	57.4

MW22-04	9	0 (0%)	4/7/2022	59.4	59.4
			5/9/2022	73.9	73.9
			5/31/2022	78.8	78.8
			6/20/2022	89.4	89.4
			6/20/2022	89.5	89.5
			7/18/2022	75.3	75.3
			8/18/2022	72.8	72.8
			9/13/2022	71.4	71.4
			10/4/2022	65.5	65.5

MW22-05	8	0 (0%)	4/7/2022	269	269
			5/9/2022	251	251
			5/31/2022	249	249
			6/20/2022	280	280

			7/18/2022	247	247
			8/18/2022	240	240
			9/13/2022	230	230
			10/3/2022	251	251
MW22-06	9	0 (0%)	4/8/2022	245	245
			5/9/2022	216	216
			5/31/2022	232	232
			6/20/2022	241	241
			7/18/2022	208	208
			8/18/2022	210	210
			8/18/2022	223	223
			9/13/2022	201	201
			10/3/2022	208	208
MW22-08	9	0 (0%)	4/8/2022	73.3	73.3
			5/9/2022	66.9	66.9
			5/31/2022	65.4	65.4
			5/31/2022	64.4	64.4
			6/20/2022	66.6	66.6
			7/18/2022	59.6	59.6
			8/18/2022	59.9	59.9
			9/13/2022	59.5	59.5
			10/4/2022	60.7	60.7
MW22-07	8	0 (0%)	4/8/2022	87.6	87.6
			5/9/2022	57	57
			5/31/2022	59.8	59.8
			6/20/2022	68	68
			7/19/2022	110	110
			8/18/2022	137	137
			9/13/2022	134	134
			10/4/2022	152	152

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	291	291
			10/3/2022	257	257
MW03-01	1	0 (0%)	4/8/2022	10.8	10.8
MW93-01	1	0 (0%)	4/8/2022	227	227
MW93-02	1	0 (0%)	4/8/2022	228	228
MW93-03	1	0 (0%)	4/8/2022	80.2	80.2
MW93-1	1	0 (0%)	10/4/2022	223	223
MW93-2	2	0 (0%)	10/4/2022	235	235
			10/4/2022	217	217
MW93-3	1	0 (0%)	10/4/2022	75.2	75.2

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 323

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	370	TRUE
MW22-03	10/4/2022	1	57.4	FALSE
MW22-04	10/4/2022	1	65.5	FALSE
MW22-05	10/3/2022	1	251	FALSE
MW22-06	10/3/2022	1	208	FALSE
MW22-08	10/4/2022	1	60.7	FALSE
MW22-07	10/4/2022	1	152	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Calcium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 339

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	238
	5/9/2022	236
	5/31/2022	297
	6/20/2022	339
	7/19/2022	307
	8/18/2022	338
	9/13/2022	334

Date	Count	Mean	Significant
10/3/2022	1	370	TRUE

Concentrations (ppb)

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	6.41	6.41
			5/9/2022	7.86	7.86
			5/31/2022	8.14	8.14
			6/20/2022	8.03	8.03
			7/18/2022	9.12	9.12
			8/18/2022	9.45	9.45
			9/13/2022	8.96	8.96
			10/3/2022	10.2	10.2

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	240	240
			5/9/2022	244	244
			5/31/2022	219	219
			6/20/2022	261	261
			7/19/2022	278	278
			8/18/2022	305	305
			9/13/2022	302	302
			10/3/2022	327	327

MW22-03	8	0 (0%)	4/7/2022	539	539
			5/9/2022	937	937
			5/31/2022	1840	1840
			6/20/2022	2440	2440
			7/19/2022	2420	2420
			8/18/2022	858	858
			9/13/2022	826	826
			10/4/2022	132	132

MW22-04	9	0 (0%)	4/7/2022	32.3	32.3
			5/9/2022	43.5	43.5
			5/31/2022	50.6	50.6
			6/20/2022	32.3	32.3
			6/20/2022	33.8	33.8
			7/18/2022	35.6	35.6
			8/18/2022	38	38
			9/13/2022	40.2	40.2
			10/4/2022	43.1	43.1

MW22-05	8	0 (0%)	4/7/2022	1060	1060
			5/9/2022	1090	1090
			5/31/2022	1160	1160
			6/20/2022	1630	1630

			7/18/2022	1200	1200
			8/18/2022	1140	1140
			9/13/2022	1090	1090
			10/3/2022	1070	1070
MW22-06	9	0 (0%)	4/8/2022	153	153
			5/9/2022	136	136
			5/31/2022	161	161
			6/20/2022	158	158
			7/18/2022	156	156
			8/18/2022	140	140
			8/18/2022	144	144
			9/13/2022	141	141
			10/3/2022	135	135
MW22-08	9	0 (0%)	4/8/2022	165	165
			5/9/2022	172	172
			5/31/2022	198	198
			5/31/2022	189	189
			6/20/2022	192	192
			7/18/2022	202	202
			8/18/2022	209	209
			9/13/2022	195	195
			10/4/2022	194	194
MW22-07	8	0 (0%)	4/8/2022	5.98	5.98
			5/9/2022	2.41	2.41
			5/31/2022	3.25	3.25
			6/20/2022	3.41	3.41
			7/19/2022	10.1	10.1
			8/18/2022	13.8	13.8
			9/13/2022	14.1	14.1
			10/4/2022	15.2	15.2

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	440	440
			10/3/2022	370	370
MW03-01	1	0 (0%)	4/8/2022	0.942	0.942
MW93-01	1	0 (0%)	4/8/2022	14.3	14.3
MW93-02	1	0 (0%)	4/8/2022	1460	1460
MW93-03	1	0 (0%)	4/8/2022	231	231
MW93-1	1	0 (0%)	10/4/2022	14.9	14.9
MW93-2	2	0 (0%)	10/4/2022	1590	1590
			10/4/2022	1580	1580
MW93-3	1	0 (0%)	10/4/2022	186	186

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 10.2

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	327	TRUE
MW22-03	10/4/2022	1	132	TRUE
MW22-04	10/4/2022	1	43.1	TRUE
MW22-05	10/3/2022	1	1070	TRUE
MW22-06	10/3/2022	1	135	TRUE
MW22-08	10/4/2022	1	194	TRUE
MW22-07	10/4/2022	1	15.2	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 305

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	240
	5/9/2022	244
	5/31/2022	219
	6/20/2022	261
	7/19/2022	278
	8/18/2022	305
	9/13/2022	302

Date	Count	Mean	Significant
10/3/2022	1	327	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-03

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 2440

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	539
	5/9/2022	937
	5/31/2022	1840
	6/20/2022	2440
	7/19/2022	2420
	8/18/2022	858
	9/13/2022	826

Date	Count	Mean	Significant
10/4/2022	1	132	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-04

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 50.6

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	32.3
	5/9/2022	43.5
	5/31/2022	50.6
	6/20/2022	32.3
	6/20/2022	33.8
	7/18/2022	35.6
	8/18/2022	38

Date	Count	Mean	Significant
10/4/2022	1	43.1	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-05

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 1630

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	1060
	5/9/2022	1090
	5/31/2022	1160
	6/20/2022	1630
	7/18/2022	1200
	8/18/2022	1140
	9/13/2022	1090

Date	Count	Mean	Significant
10/3/2022	1	1070	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-06

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 161

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	153
	5/9/2022	136
	5/31/2022	161
	6/20/2022	158
	7/18/2022	156
	8/18/2022	140
	8/18/2022	144

Date	Count	Mean	Significant
10/3/2022	1	135	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-08

Parameter: Chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 209

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	165
	5/9/2022	172
	5/31/2022	198
	5/31/2022	189
	6/20/2022	192
	7/18/2022	202
	8/18/2022	209

Date	Count	Mean	Significant
10/4/2022	1	194	FALSE

Concentrations (ppb)

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 21

Percent Non-Detects: 31.3433%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	0.00536	0.00536
			5/9/2022	0.00738	0.00738
			5/31/2022	0.00402	0.00402
			6/20/2022	0.00303	0.00303
			7/18/2022	0.00308	0.00308
			8/18/2022	0.0032	0.0032
			9/13/2022	0.00344	0.00344
			10/3/2022	0.0038	0.0038

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	1 (12.5%)	4/7/2022	0.000914	0.000914
			5/9/2022	0.000686	0.000686
			5/31/2022	0.000493	0.000493
			6/20/2022	0.000575	0.000575
			7/19/2022	0.000543	0.000543
			8/18/2022	0.000412	0.000412
			9/13/2022	0.000502	0.000502
			10/3/2022	ND<0.02	ND<0.02

MW22-03	8	0 (0%)	4/7/2022	0.0062	0.0062
			5/9/2022	0.00774	0.00774
			5/31/2022	0.00663	0.00663
			6/20/2022	0.00667	0.00667
			7/19/2022	0.00582	0.00582
			8/18/2022	0.00653	0.00653
			9/13/2022	0.00657	0.00657
			10/4/2022	0.00617	0.00617

MW22-04	9	4 (44.4444%)	4/7/2022	0.000256	0.000256
			5/9/2022	0.000277	0.000277
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	0.000144	0.000144
			6/20/2022	ND<0.002	ND<0.002
			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	0.000221	0.000221
			10/4/2022	0.000206	0.000206

MW22-05	8	1 (12.5%)	4/7/2022	0.00755	0.00755
			5/9/2022	0.00433	0.00433
			5/31/2022	0.00349	0.00349
			6/20/2022	0.00298	0.00298

			7/18/2022	0.00138	0.00138
			8/18/2022	0.000238	0.000238
			9/13/2022	0.000196	0.000196
			10/3/2022	ND<0.002	ND<0.002
MW22-06	9	9 (100%)	4/8/2022	ND<0.002	ND<0.002
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002
			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW22-08	9	0 (0%)	4/8/2022	0.00183	0.00183
			5/9/2022	0.0013	0.0013
			5/31/2022	0.000717	0.000717
			5/31/2022	0.000695	0.000695
			6/20/2022	0.000525	0.000525
			7/18/2022	0.000454	0.000454
			8/18/2022	0.000499	0.000499
			9/13/2022	0.00062	0.00062
			10/4/2022	0.000716	0.000716
MW22-07	8	6 (75%)	4/8/2022	0.000229	0.000229
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002
			7/19/2022	0.0002	0.0002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	2 (100%)	4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW03-01	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-01	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-02	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-03	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-1	1	1 (100%)	10/4/2022	ND<0.002	ND<0.002
MW93-2	2	2 (100%)	10/4/2022	ND<0.02	ND<0.02
			10/4/2022	ND<0.02	ND<0.02
MW93-3	1	0 (0%)	10/4/2022	0.000143	0.000143

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 31.3433%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.00738

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	0.02	TRUE
MW22-03	10/4/2022	1	0.00617	FALSE
MW22-04	10/4/2022	1	0.000206	FALSE
MW22-05	10/3/2022	1	0.002	FALSE
MW22-06	10/3/2022	1	0.002	FALSE
MW22-08	10/4/2022	1	0.000716	FALSE
MW22-07	10/4/2022	1	0.002	FALSE

Concentrations (ppb)

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	1690	1690
			5/9/2022	1620	1620
			5/31/2022	1510	1510
			6/20/2022	1420	1420
			7/18/2022	1440	1440
			8/18/2022	1420	1420
			9/13/2022	1450	1450
			10/3/2022	1320	1320

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	6290	6290
			5/9/2022	7590	7590
			5/31/2022	8010	8010
			6/20/2022	8320	8320
			7/19/2022	7660	7660
			8/18/2022	7840	7840
			9/13/2022	8060	8060
			10/3/2022	8120	8120

MW22-03	8	0 (0%)	4/7/2022	2400	2400
			5/9/2022	3570	3570
			5/31/2022	6040	6040
			6/20/2022	7750	7750
			7/19/2022	7700	7700
			8/18/2022	3440	3440
			9/13/2022	3360	3360
			10/4/2022	1250	1250

MW22-04	9	0 (0%)	4/7/2022	527	527
			5/9/2022	1440	1440
			5/31/2022	1030	1030
			6/20/2022	1030	1030
			6/20/2022	1020	1020
			7/18/2022	790	790
			8/18/2022	755	755
			9/13/2022	700	700
			10/4/2022	648	648

MW22-05	8	0 (0%)	4/7/2022	3840	3840
			5/9/2022	3720	3720
			5/31/2022	3740	3740
			6/20/2022	3950	3950

			7/18/2022	4050	4050
			8/18/2022	4160	4160
			9/13/2022	4180	4180
			10/3/2022	4090	4090
MW22-06	9	0 (0%)	4/8/2022	1500	1500
			5/9/2022	1460	1460
			5/31/2022	1450	1450
			6/20/2022	1460	1460
			7/18/2022	1440	1440
			8/18/2022	1350	1350
			8/18/2022	1380	1380
			9/13/2022	1350	1350
			10/3/2022	1310	1310
MW22-08	9	0 (0%)	4/8/2022	1880	1880
			5/9/2022	1790	1790
			5/31/2022	1780	1780
			5/31/2022	1820	1820
			6/20/2022	1790	1790
			7/18/2022	1760	1760
			8/18/2022	1750	1750
			9/13/2022	1780	1780
			10/4/2022	1740	1740
MW22-07	8	0 (0%)	4/8/2022	827	827
			5/9/2022	730	730
			5/31/2022	692	692
			6/20/2022	660	660
			7/19/2022	983	983
			8/18/2022	1130	1130
			9/13/2022	1190	1190
			10/4/2022	1230	1230

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	115	115
			10/3/2022	2110	2110
MW03-01	1	0 (0%)	4/8/2022	2440	2440
MW93-01	1	0 (0%)	4/8/2022	1560	1560
MW93-02	1	0 (0%)	4/8/2022	13700	13700
MW93-03	1	0 (0%)	4/8/2022	2160	2160
MW93-1	1	0 (0%)	10/4/2022	1500	1500
MW93-2	2	0 (0%)	10/4/2022	13500	13500
			10/4/2022	13600	13600
MW93-3	1	0 (0%)	10/4/2022	2020	2020

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 1690

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	8120	TRUE
MW22-03	10/4/2022	1	1250	FALSE
MW22-04	10/4/2022	1	648	FALSE
MW22-05	10/3/2022	1	4090	TRUE
MW22-06	10/3/2022	1	1310	FALSE
MW22-08	10/4/2022	1	1740	TRUE
MW22-07	10/4/2022	1	1230	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 8

Maximum Baseline Concentration = 8320

Confidence Level = 88.9%

False Positive Rate = 11.1%

Baseline Measurements	Date	Value
	4/7/2022	6290
	5/9/2022	7590
	5/31/2022	8010
	6/20/2022	8320
	7/19/2022	7660
	8/18/2022	7840
	9/13/2022	8060
	10/3/2022	8120

Date	Count	Mean	Significant
10/3/2022	1	8120	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-05

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 4180

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	3840
	5/9/2022	3720
	5/31/2022	3740
	6/20/2022	3950
	7/18/2022	4050
	8/18/2022	4160
	9/13/2022	4180

Date	Count	Mean	Significant
10/3/2022	1	4090	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-08

Parameter: Specific Conductance

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 1880

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	1880
	5/9/2022	1790
	5/31/2022	1780
	5/31/2022	1820
	6/20/2022	1790
	7/18/2022	1760
	8/18/2022	1750

Date	Count	Mean	Significant
10/4/2022	1	1740	FALSE

Concentrations (ppb)

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	353	353
			5/9/2022	355	355
			5/31/2022	385	385
			6/20/2022	357	357
			7/18/2022	326	326
			8/18/2022	320	320
			9/13/2022	324	324
			10/3/2022	309	309

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	2460	2460
			5/9/2022	3480	3480
			5/31/2022	4120	4120
			6/20/2022	4300	4300
			7/19/2022	3450	3450
			8/18/2022	3780	3780
			9/13/2022	3680	3680
			10/3/2022	4220	4220

MW22-03	8	0 (0%)	4/7/2022	137	137
			5/9/2022	124	124
			5/31/2022	134	134
			6/20/2022	101	101
			7/19/2022	99.7	99.7
			8/18/2022	199	199
			9/13/2022	167	167
			10/4/2022	232	232

MW22-04	9	0 (0%)	4/7/2022	86.2	86.2
			5/9/2022	308	308
			5/31/2022	275	275
			6/20/2022	263	263
			6/20/2022	260	260
			7/18/2022	211	211
			8/18/2022	194	194
			9/13/2022	162	162
			10/4/2022	139	139

MW22-05	8	0 (0%)	4/7/2022	28.1	28.1
			5/9/2022	17.4	17.4
			5/31/2022	18.1	18.1
			6/20/2022	28.9	28.9

			7/18/2022	50.3	50.3
			8/18/2022	104	104
			9/13/2022	103	103
			10/3/2022	114	114
MW22-06	9	0 (0%)	4/8/2022	291	291
			5/9/2022	263	263
			5/31/2022	300	300
			6/20/2022	298	298
			7/18/2022	282	282
			8/18/2022	261	261
			8/18/2022	275	275
			9/13/2022	252	252
			10/3/2022	239	239
MW22-08	9	0 (0%)	4/8/2022	273	273
			5/9/2022	253	253
			5/31/2022	275	275
			5/31/2022	276	276
			6/20/2022	233	233
			7/18/2022	226	226
			8/18/2022	225	225
			9/13/2022	205	205
			10/4/2022	220	220
MW22-07	8	0 (0%)	4/8/2022	160	160
			5/9/2022	87	87
			5/31/2022	77	77
			6/20/2022	68.5	68.5
			7/19/2022	224	224
			8/18/2022	324	324
			9/13/2022	343	343
			10/4/2022	349	349

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	371	371
			10/3/2022	363	363
MW03-01	1	0 (0%)	4/8/2022	2.92	2.92
MW93-01	1	0 (0%)	4/8/2022	452	452
MW93-02	1	0 (0%)	4/8/2022	4920	4920
MW93-03	1	0 (0%)	4/8/2022	202	202
MW93-1	1	0 (0%)	10/4/2022	446	446
MW93-2	2	0 (0%)	10/4/2022	5470	5470
			10/4/2022	5690	5690
MW93-3	1	0 (0%)	10/4/2022	217	217

Concentrations (ppb)

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 12

Percent Non-Detects: 17.9104%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	0.112	0.112
			5/9/2022	0.163	0.163
			5/31/2022	0.169	0.169
			6/20/2022	0.17	0.17
			7/18/2022	0.163	0.163
			8/18/2022	0.176	0.176
			9/13/2022	0.169	0.169
			10/3/2022	0.187	0.187

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	5 (62.5%)	4/7/2022	ND<1.5	ND<1.5
			5/9/2022	0.397	0.397
			5/31/2022	0.678	0.678
			6/20/2022	ND<1.5	ND<1.5
			7/19/2022	ND<1.5	ND<1.5
			8/18/2022	0.232	0.232
			9/13/2022	ND<1.5	ND<1.5
			10/3/2022	ND<1.5	ND<1.5
MW22-03	8	5 (62.5%)	4/7/2022	ND<0.15	ND<0.15
			5/9/2022	ND<0.15	ND<0.15
			5/31/2022	0.0735	0.0735
			6/20/2022	ND<0.15	ND<0.15
			7/19/2022	0.083	0.083
			8/18/2022	ND<0.15	ND<0.15
			9/13/2022	0.0648	0.0648
			10/4/2022	ND<0.15	ND<0.15
MW22-04	9	0 (0%)	4/7/2022	0.114	0.114
			5/9/2022	0.407	0.407
			5/31/2022	0.159	0.159
			6/20/2022	0.189	0.189
			6/20/2022	0.181	0.181
			7/18/2022	0.112	0.112
			8/18/2022	0.104	0.104
			9/13/2022	0.0839	0.0839
			10/4/2022	0.0913	0.0913
MW22-05	8	0 (0%)	4/7/2022	0.122	0.122
			5/9/2022	0.12	0.12
			5/31/2022	0.115	0.115
			6/20/2022	0.123	0.123

			7/18/2022	0.162	0.162
			8/18/2022	0.172	0.172
			9/13/2022	0.188	0.188
			10/3/2022	0.159	0.159
MW22-06	9	1 (11.1111%)	4/8/2022	0.0837	0.0837
			5/9/2022	0.124	0.124
			5/31/2022	0.102	0.102
			6/20/2022	0.115	0.115
			7/18/2022	0.11	0.11
			8/18/2022	0.11	0.11
			8/18/2022	0.093	0.093
			9/13/2022	0.0773	0.0773
			10/3/2022	ND<0.15	ND<0.15
MW22-08	9	1 (11.1111%)	4/8/2022	0.227	0.227
			5/9/2022	0.255	0.255
			5/31/2022	0.296	0.296
			5/31/2022	0.217	0.217
			6/20/2022	0.202	0.202
			7/18/2022	0.21	0.21
			8/18/2022	0.235	0.235
			9/13/2022	ND<0.75	ND<0.75
			10/4/2022	0.239	0.239
MW22-07	8	0 (0%)	4/8/2022	0.166	0.166
			5/9/2022	0.375	0.375
			5/31/2022	0.35	0.35
			6/20/2022	0.321	0.321
			7/19/2022	0.178	0.178
			8/18/2022	0.152	0.152
			9/13/2022	0.141	0.141
			10/4/2022	0.153	0.153

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	1 (50%)	4/8/2022	0.0746	0.0746
			10/3/2022	ND<0.15	ND<0.15
MW03-01	1	1 (100%)	4/8/2022	ND<0.15	ND<0.15
MW93-01	1	0 (0%)	4/8/2022	0.194	0.194
MW93-02	1	0 (0%)	4/8/2022	0.375	0.375
MW93-03	1	0 (0%)	4/8/2022	0.19	0.19
MW93-1	1	0 (0%)	10/4/2022	0.162	0.162
MW93-2	2	2 (100%)	10/4/2022	ND<3	ND<3
			10/4/2022	ND<3	ND<3
MW93-3	1	0 (0%)	10/4/2022	0.278	0.278

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 17.9104%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.187

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	1.5	TRUE
MW22-03	10/4/2022	1	0.15	FALSE
MW22-04	10/4/2022	1	0.0913	FALSE
MW22-05	10/3/2022	1	0.159	FALSE
MW22-06	10/3/2022	1	0.15	FALSE
MW22-08	10/4/2022	1	0.239	TRUE
MW22-07	10/4/2022	1	0.153	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 57.1429%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 1.5

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	ND<1.5
	5/9/2022	0.397
	5/31/2022	0.678
	6/20/2022	ND<1.5
	7/19/2022	ND<1.5
	8/18/2022	0.232
	9/13/2022	ND<1.5

Date	Count	Mean	Significant
10/3/2022	1	1.5	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-08

Parameter: Fluoride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.296

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	0.227
	5/9/2022	0.255
	5/31/2022	0.296
	5/31/2022	0.217
	6/20/2022	0.202
	7/18/2022	0.21
	8/18/2022	0.235

Date	Count	Mean	Significant
10/4/2022	1	0.239	FALSE

Concentrations (ppb)

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 6

Percent Non-Detects: 8.95522%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	1 (12.5%)	4/7/2022	0.037	0.037
			5/9/2022	0.0177	0.0177
			5/31/2022	0.018	0.018
			6/20/2022	0.0132	0.0132
			7/18/2022	0.0136	0.0136
			8/18/2022	0.00837	0.00837
			9/13/2022	0.00773	0.00773
			10/3/2022	ND<0.015	ND<0.015

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	0.0441	0.0441
			5/9/2022	0.0325	0.0325
			5/31/2022	0.0285	0.0285
			6/20/2022	0.0274	0.0274
			7/19/2022	0.0282	0.0282
			8/18/2022	0.0237	0.0237
			9/13/2022	0.023	0.023
			10/3/2022	0.0211	0.0211
MW22-03	8	0 (0%)	4/7/2022	0.0597	0.0597
			5/9/2022	0.149	0.149
			5/31/2022	0.271	0.271
			6/20/2022	0.367	0.367
			7/19/2022	0.368	0.368
			8/18/2022	0.128	0.128
			9/13/2022	0.114	0.114
			10/4/2022	0.0184	0.0184
MW22-04	9	0 (0%)	4/7/2022	0.0171	0.0171
			5/9/2022	0.018	0.018
			5/31/2022	0.0139	0.0139
			6/20/2022	0.0143	0.0143
			6/20/2022	0.014	0.014
			7/18/2022	0.0106	0.0106
			8/18/2022	0.0118	0.0118
			9/13/2022	0.00973	0.00973
10/4/2022	0.0111	0.0111			
MW22-05	8	0 (0%)	4/7/2022	0.033	0.033
			5/9/2022	0.0211	0.0211
			5/31/2022	0.0181	0.0181
			6/20/2022	0.0188	0.0188

			7/18/2022	0.0181	0.0181
			8/18/2022	0.0153	0.0153
			9/13/2022	0.0138	0.0138
			10/3/2022	0.0117	0.0117
MW22-06	9	1 (11.1111%)	4/8/2022	0.0284	0.0284
			5/9/2022	0.019	0.019
			5/31/2022	0.0158	0.0158
			6/20/2022	0.0169	0.0169
			7/18/2022	0.0147	0.0147
			8/18/2022	0.0108	0.0108
			8/18/2022	0.00802	0.00802
			9/13/2022	0.00796	0.00796
			10/3/2022	ND<0.015	ND<0.015
MW22-08	9	2 (22.2222%)	4/8/2022	0.077	0.077
			5/9/2022	0.0913	0.0913
			5/31/2022	ND<0.015	ND<0.015
			5/31/2022	ND<0.015	ND<0.015
			6/20/2022	0.0896	0.0896
			7/18/2022	0.0893	0.0893
			8/18/2022	0.0962	0.0962
			9/13/2022	0.097	0.097
			10/4/2022	0.0971	0.0971
MW22-07	8	2 (25%)	4/8/2022	0.0104	0.0104
			5/9/2022	0.00925	0.00925
			5/31/2022	0.086	0.086
			6/20/2022	ND<0.015	ND<0.015
			7/19/2022	0.00896	0.00896
			8/18/2022	0.00712	0.00712
			9/13/2022	0.00868	0.00868
			10/4/2022	ND<0.015	ND<0.015

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	0.0346	0.0346
			10/3/2022	0.00861	0.00861
MW03-01	1	1 (100%)	4/8/2022	ND<0.015	ND<0.015
MW93-01	1	0 (0%)	4/8/2022	0.0236	0.0236
MW93-02	1	0 (0%)	4/8/2022	0.0304	0.0304
MW93-03	1	0 (0%)	4/8/2022	0.135	0.135
MW93-1	1	1 (100%)	10/4/2022	ND<0.015	ND<0.015
MW93-2	2	0 (0%)	10/4/2022	0.0151	0.0151
			10/4/2022	0.0146	0.0146
MW93-3	1	0 (0%)	10/4/2022	0.137	0.137

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 8.95522%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.037

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	0.0211	FALSE
MW22-03	10/4/2022	1	0.0184	FALSE
MW22-04	10/4/2022	1	0.0111	FALSE
MW22-05	10/3/2022	1	0.0117	FALSE
MW22-06	10/3/2022	1	0.015	FALSE
MW22-08	10/4/2022	1	0.0971	TRUE
MW22-07	10/4/2022	1	0.015	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-08

Parameter: Lithium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 28.5714%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.0962

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	0.077
	5/9/2022	0.0913
	5/31/2022	ND<0.015
	5/31/2022	ND<0.015
	6/20/2022	0.0896
	7/18/2022	0.0893
	8/18/2022	0.0962

Date	Count	Mean	Significant
10/4/2022	1	0.0971	TRUE

Concentrations (ppb)

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 64

Total Non-Detect: 64

Percent Non-Detects: 100%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	8 (100%)	4/7/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/3/2022	ND<0.0002	ND<0.0002

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	8 (100%)	4/7/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/3/2022	ND<0.0002	ND<0.0002

MW22-03	8	8 (100%)	4/7/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002

MW22-04	8	8 (100%)	4/7/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002

MW22-05	8	8 (100%)	4/7/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002

			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/3/2022	ND<0.0002	ND<0.0002
MW22-06	8	8 (100%)	4/8/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/3/2022	ND<0.0002	ND<0.0002
MW22-08	8	8 (100%)	4/8/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002
MW22-07	8	8 (100%)	4/8/2022	ND<0.0002	ND<0.0002
			5/9/2022	ND<0.0002	ND<0.0002
			5/31/2022	ND<0.0002	ND<0.0002
			6/20/2022	ND<0.0002	ND<0.0002
			7/18/2022	ND<0.0002	ND<0.0002
			8/18/2022	ND<0.0002	ND<0.0002
			9/13/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	0.00285	0.00285
			10/3/2022	0.0014	0.0014
MW03-01	1	1 (100%)	4/8/2022	ND<0.0002	ND<0.0002
MW93-01	1	1 (100%)	4/8/2022	ND<0.0002	ND<0.0002
MW93-02	1	1 (100%)	4/8/2022	ND<0.0002	ND<0.0002
MW93-03	1	0 (0%)	4/8/2022	0.000945	0.000945
MW93-1	1	1 (100%)	10/4/2022	ND<0.0002	ND<0.0002
MW93-2	2	2 (100%)	10/4/2022	ND<0.0002	ND<0.0002
			10/4/2022	ND<0.0002	ND<0.0002
MW93-3	1	0 (0%)	10/4/2022	0.00103	0.00103

Concentrations (ppb)

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 40

Percent Non-Detects: 59.7015%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	5 (62.5%)	4/7/2022	0.000852	0.000852
			5/9/2022	0.000873	0.000873
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	0.000939	0.000939

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	0.113	0.113
			5/9/2022	0.372	0.372
			5/31/2022	0.48	0.48
			6/20/2022	0.634	0.634
			7/19/2022	0.424	0.424
			8/18/2022	0.32	0.32
			9/13/2022	0.216	0.216
			10/3/2022	0.186	0.186

MW22-03	8	4 (50%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	0.0014	0.0014
			6/20/2022	0.00226	0.00226
			7/19/2022	0.00222	0.00222
			8/18/2022	0.00117	0.00117
			9/13/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005

MW22-04	9	7 (77.7778%)	4/7/2022	ND<0.005	ND<0.005
			5/9/2022	0.00196	0.00196
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	0.000927	0.000927
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
10/4/2022	ND<0.005	ND<0.005			

MW22-05	8	7 (87.5%)	4/7/2022	0.000894	0.000894
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005

			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW22-06	9	9 (100%)	4/8/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW22-08	9	0 (0%)	4/8/2022	0.00224	0.00224
			5/9/2022	0.00208	0.00208
			5/31/2022	0.00172	0.00172
			5/31/2022	0.00149	0.00149
			6/20/2022	0.00111	0.00111
			7/18/2022	0.00126	0.00126
			8/18/2022	0.00105	0.00105
			9/13/2022	0.00109	0.00109
			10/4/2022	0.00111	0.00111
MW22-07	8	8 (100%)	4/8/2022	ND<0.005	ND<0.005
			5/9/2022	ND<0.005	ND<0.005
			5/31/2022	ND<0.005	ND<0.005
			6/20/2022	ND<0.005	ND<0.005
			7/19/2022	ND<0.005	ND<0.005
			8/18/2022	ND<0.005	ND<0.005
			9/13/2022	ND<0.005	ND<0.005
			10/4/2022	ND<0.005	ND<0.005

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	2 (100%)	4/8/2022	ND<0.005	ND<0.005
			10/3/2022	ND<0.005	ND<0.005
MW03-01	1	1 (100%)	4/8/2022	ND<0.005	ND<0.005
MW93-01	1	1 (100%)	4/8/2022	ND<0.005	ND<0.005
MW93-02	1	0 (0%)	4/8/2022	1.48	1.48
MW93-03	1	0 (0%)	4/8/2022	0.000858	0.000858
MW93-1	1	0 (0%)	10/4/2022	0.00108	0.00108
MW93-2	2	0 (0%)	10/4/2022	1.97	1.97
			10/4/2022	1.87	1.87
MW93-3	1	1 (100%)	10/4/2022	ND<0.005	ND<0.005

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 59.7015%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.005

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	0.186	TRUE
MW22-03	10/4/2022	1	0.005	FALSE
MW22-04	10/4/2022	1	0.005	FALSE
MW22-05	10/3/2022	1	0.005	FALSE
MW22-06	10/3/2022	1	0.005	FALSE
MW22-08	10/4/2022	1	0.00111	FALSE
MW22-07	10/4/2022	1	0.005	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Molybdenum

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 8

Maximum Baseline Concentration = 0.634

Confidence Level = 88.9%

False Positive Rate = 11.1%

Baseline Measurements	Date	Value
	4/7/2022	0.113
	5/9/2022	0.372
	5/31/2022	0.48
	6/20/2022	0.634
	7/19/2022	0.424
	8/18/2022	0.32
	9/13/2022	0.216
	10/3/2022	0.186

Date	Count	Mean	Significant
10/3/2022	1	0.186	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 0.469

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	0.17
	5/9/2022	0.469
	5/31/2022	0.0864
	6/20/2022	0.0733
	7/19/2022	0.0275
	8/18/2022	0.032
	9/13/2022	0.0641

Date	Count	Mean	Significant
10/3/2022	1	0.0918	FALSE

Concentrations (ppb)

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 53

Percent Non-Detects: 79.1045%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	8 (100%)	4/7/2022	ND<0.002	ND<0.002
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002
			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	0.17	0.17
			5/9/2022	0.469	0.469
			5/31/2022	0.0864	0.0864
			6/20/2022	0.0733	0.0733
			7/19/2022	0.0275	0.0275
			8/18/2022	0.032	0.032
			9/13/2022	0.0641	0.0641
			10/3/2022	0.0918	0.0918

MW22-03	8	8 (100%)	4/7/2022	ND<0.002	ND<0.002
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002
			7/19/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002

MW22-04	9	7 (77.7778%)	4/7/2022	ND<0.002	ND<0.002
			5/9/2022	0.000769	0.000769
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	0.000515	0.000515
			6/20/2022	ND<0.002	ND<0.002
			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
10/4/2022	ND<0.002	ND<0.002			

MW22-05	8	8 (100%)	4/7/2022	ND<0.002	ND<0.002
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002

			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW22-06	9	9 (100%)	4/8/2022	ND<0.002	ND<0.002
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002
			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW22-08	9	9 (100%)	4/8/2022	ND<0.002	ND<0.002
			5/9/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			5/31/2022	ND<0.002	ND<0.002
			6/20/2022	ND<0.002	ND<0.002
			7/18/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002
MW22-07	8	4 (50%)	4/8/2022	0.00188	0.00188
			5/9/2022	0.00304	0.00304
			5/31/2022	0.00249	0.00249
			6/20/2022	0.0016	0.0016
			7/19/2022	ND<0.002	ND<0.002
			8/18/2022	ND<0.002	ND<0.002
			9/13/2022	ND<0.002	ND<0.002
			10/4/2022	ND<0.002	ND<0.002

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	2 (100%)	4/8/2022	ND<0.002	ND<0.002
			10/3/2022	ND<0.002	ND<0.002
MW03-01	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-01	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-02	1	0 (0%)	4/8/2022	0.00112	0.00112
MW93-03	1	1 (100%)	4/8/2022	ND<0.002	ND<0.002
MW93-1	1	1 (100%)	10/4/2022	ND<0.002	ND<0.002
MW93-2	2	2 (100%)	10/4/2022	ND<0.02	ND<0.02
			10/4/2022	ND<0.02	ND<0.02
MW93-3	1	1 (100%)	10/4/2022	ND<0.002	ND<0.002

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 79.1045%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 0.002

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	0.0918	TRUE
MW22-03	10/4/2022	1	0.002	FALSE
MW22-04	10/4/2022	1	0.002	FALSE
MW22-05	10/3/2022	1	0.002	FALSE
MW22-06	10/3/2022	1	0.002	FALSE
MW22-08	10/4/2022	1	0.002	FALSE
MW22-07	10/4/2022	1	0.002	FALSE

Concentrations (ppb)

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	27.1	27.1
			5/9/2022	31.7	31.7
			5/31/2022	25.3	25.3
			6/20/2022	24.6	24.6
			7/18/2022	24.1	24.1
			8/18/2022	24.8	24.8
			9/13/2022	25.7	25.7
			10/3/2022	29.1	29.1

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	1070	1070
			5/9/2022	1600	1600
			5/31/2022	1710	1710
			6/20/2022	1840	1840
			7/19/2022	1310	1310
			8/18/2022	1540	1540
			9/13/2022	1640	1640
			10/3/2022	1780	1780

MW22-03	8	0 (0%)	4/7/2022	303	303
			5/9/2022	495	495
			5/31/2022	856	856
			6/20/2022	1240	1240
			7/19/2022	1090	1090
			8/18/2022	455	455
			9/13/2022	473	473
			10/4/2022	189	189

MW22-04	9	0 (0%)	4/7/2022	27.9	27.9
			5/9/2022	239	239
			5/31/2022	121	121
			6/20/2022	136	136
			6/20/2022	136	136
			7/18/2022	69	69
			8/18/2022	59.2	59.2
			9/13/2022	58.6	58.6
			10/4/2022	51.9	51.9

MW22-05	8	0 (0%)	4/7/2022	403	403
			5/9/2022	413	413
			5/31/2022	380	380
			6/20/2022	443	443

			7/18/2022	466	466
			8/18/2022	529	529
			9/13/2022	539	539
			10/3/2022	605	605
MW22-06	9	0 (0%)	4/8/2022	58.8	58.8
			5/9/2022	61.6	61.6
			5/31/2022	61.2	61.2
			6/20/2022	65.4	65.4
			7/18/2022	58.4	58.4
			8/18/2022	58.8	58.8
			8/18/2022	58.6	58.6
			9/13/2022	57.8	57.8
			10/3/2022	62	62
MW22-08	9	0 (0%)	4/8/2022	309	309
			5/9/2022	316	316
			5/31/2022	304	304
			5/31/2022	294	294
			6/20/2022	323	323
			7/18/2022	291	291
			8/18/2022	296	296
			9/13/2022	316	316
			10/4/2022	328	328
MW22-07	8	0 (0%)	4/8/2022	81.6	81.6
			5/9/2022	90.4	90.4
			5/31/2022	78.3	78.3
			6/20/2022	69.5	69.5
			7/19/2022	88.7	88.7
			8/18/2022	100	100
			9/13/2022	102	102
			10/4/2022	121	121

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	161	161
			10/3/2022	168	168
MW03-01	1	0 (0%)	4/8/2022	9.32	9.32
MW93-01	1	0 (0%)	4/8/2022	84.8	84.8
MW93-02	1	0 (0%)	4/8/2022	2580	2580
MW93-03	1	0 (0%)	4/8/2022	354	354
MW93-1	1	0 (0%)	10/4/2022	99.5	99.5
MW93-2	2	0 (0%)	10/4/2022	3140	3140
			10/4/2022	2860	2860
MW93-3	1	0 (0%)	10/4/2022	381	381

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 31.7

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	1780	TRUE
MW22-03	10/4/2022	1	189	TRUE
MW22-04	10/4/2022	1	51.9	TRUE
MW22-05	10/3/2022	1	605	TRUE
MW22-06	10/3/2022	1	62	TRUE
MW22-08	10/4/2022	1	328	TRUE
MW22-07	10/4/2022	1	121	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 1840

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	1070
	5/9/2022	1600
	5/31/2022	1710
	6/20/2022	1840
	7/19/2022	1310
	8/18/2022	1540
	9/13/2022	1640

Date	Count	Mean	Significant
10/3/2022	1	1780	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-03

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 1240

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	303
	5/9/2022	495
	5/31/2022	856
	6/20/2022	1240
	7/19/2022	1090
	8/18/2022	455
	9/13/2022	473

Date	Count	Mean	Significant
10/4/2022	1	189	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-04

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 239

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	27.9
	5/9/2022	239
	5/31/2022	121
	6/20/2022	136
	6/20/2022	136
	7/18/2022	69
	8/18/2022	59.2

Date	Count	Mean	Significant
10/4/2022	1	51.9	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-05

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 539

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/7/2022	403
	5/9/2022	413
	5/31/2022	380
	6/20/2022	443
	7/18/2022	466
	8/18/2022	529
	9/13/2022	539

Date	Count	Mean	Significant
10/3/2022	1	605	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-06

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 65.4

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	58.8
	5/9/2022	61.6
	5/31/2022	61.2
	6/20/2022	65.4
	7/18/2022	58.4
	8/18/2022	58.8
	8/18/2022	58.6

Date	Count	Mean	Significant
10/3/2022	1	62	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-07

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 102

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	81.6
	5/9/2022	90.4
	5/31/2022	78.3
	6/20/2022	69.5
	7/19/2022	88.7
	8/18/2022	100
	9/13/2022	102

Date	Count	Mean	Significant
10/4/2022	1	121	TRUE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-08

Parameter: Sodium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 7

Maximum Baseline Concentration = 323

Confidence Level = 87.5%

False Positive Rate = 12.5%

Baseline Measurements	Date	Value
	4/8/2022	309
	5/9/2022	316
	5/31/2022	304
	5/31/2022	294
	6/20/2022	323
	7/18/2022	291
	8/18/2022	296

Date	Count	Mean	Significant
10/4/2022	1	328	TRUE

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 385

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	4220	TRUE
MW22-03	10/4/2022	1	232	FALSE
MW22-04	10/4/2022	1	139	FALSE
MW22-05	10/3/2022	1	114	FALSE
MW22-06	10/3/2022	1	239	FALSE
MW22-08	10/4/2022	1	220	FALSE
MW22-07	10/4/2022	1	349	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Sulfate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 8

Maximum Baseline Concentration = 4300

Confidence Level = 88.9%

False Positive Rate = 11.1%

Baseline Measurements	Date	Value
	4/7/2022	2460
	5/9/2022	3480
	5/31/2022	4120
	6/20/2022	4300
	7/19/2022	3450
	8/18/2022	3780
	9/13/2022	3680
	10/3/2022	4220

Date	Count	Mean	Significant
10/3/2022	1	4220	FALSE

Concentrations (ppb)

Parameter: Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 67

Total Non-Detect: 0

Percent Non-Detects: 0%

Total Background Measurements: 8

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	8	0 (0%)	4/7/2022	1230	1230
			5/9/2022	1120	1120
			5/31/2022	1000	1000
			6/20/2022	1010	1010
			7/18/2022	956	956
			8/18/2022	978	978
			9/13/2022	968	968
			10/3/2022	864	864

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	8	0 (0%)	4/7/2022	4530	4530
			5/9/2022	4750	4750
			5/31/2022	3680	3680
			6/20/2022	6030	6030
			7/19/2022	4880	4880
			8/18/2022	6270	6270
			9/13/2022	7930	7930
			10/3/2022	6320	6320

MW22-03	8	0 (0%)	4/7/2022	1230	1230
			5/9/2022	2060	2060
			5/31/2022	3680	3680
			6/20/2022	4520	4520
			7/19/2022	4190	4190
			8/18/2022	1560	1560
			9/13/2022	1590	1590
			10/4/2022	684	684

MW22-04	9	0 (0%)	4/7/2022	322	322
			5/9/2022	900	900
			5/31/2022	613	613
			6/20/2022	648	648
			6/20/2022	639	639
			7/18/2022	500	500
			8/18/2022	491	491
			9/13/2022	431	431
			10/4/2022	408	408

MW22-05	8	0 (0%)	4/7/2022	2640	2640
			5/9/2022	2480	2480
			5/31/2022	1800	1800
			6/20/2022	1800	1800

			7/18/2022	2950	2950
			8/18/2022	2310	2310
			9/13/2022	2160	2160
			10/3/2022	2290	2290
MW22-06	9	0 (0%)	4/8/2022	1030	1030
			5/9/2022	945	945
			5/31/2022	932	932
			6/20/2022	904	904
			7/18/2022	932	932
			8/18/2022	851	851
			8/18/2022	940	940
			9/13/2022	812	812
			10/3/2022	847	847
MW22-08	9	0 (0%)	4/8/2022	1140	1140
			5/9/2022	1030	1030
			5/31/2022	984	984
			5/31/2022	996	996
			6/20/2022	976	976
			7/18/2022	1020	1020
			8/18/2022	1050	1050
			9/13/2022	1000	1000
			10/4/2022	1080	1080
MW22-07	8	0 (0%)	4/8/2022	519	519
			5/9/2022	440	440
			5/31/2022	408	408
			6/20/2022	391	391
			7/19/2022	638	638
			8/18/2022	813	813
			9/13/2022	755	755
			10/4/2022	739	739

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
MW03-02	2	0 (0%)	4/8/2022	1720	1720
			10/3/2022	2060	2060
MW03-01	1	0 (0%)	4/8/2022	81	81
MW93-01	1	0 (0%)	4/8/2022	1130	1130
MW93-02	1	0 (0%)	4/8/2022	10000	10000
MW93-03	1	0 (0%)	4/8/2022	1300	1300
MW93-1	1	0 (0%)	10/4/2022	1000	1000
MW93-2	2	0 (0%)	10/4/2022	8300	8300
			10/4/2022	8060	8060
MW93-3	1	0 (0%)	10/4/2022	1230	1230

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 8

Maximum Background Value = 1230

Confidence Level = 53.3%

False Positive Rate = 46.7%

Location	Date	Count	Mean	Significant
MW22-02	10/3/2022	1	6320	TRUE
MW22-03	10/4/2022	1	684	FALSE
MW22-04	10/4/2022	1	408	FALSE
MW22-05	10/3/2022	1	2290	TRUE
MW22-06	10/3/2022	1	847	FALSE
MW22-08	10/4/2022	1	1080	FALSE
MW22-07	10/4/2022	1	739	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-02

Parameter: Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 8

Maximum Baseline Concentration = 7930

Confidence Level = 88.9%

False Positive Rate = 11.1%

Baseline Measurements	Date	Value
	4/7/2022	4530
	5/9/2022	4750
	5/31/2022	3680
	6/20/2022	6030
	7/19/2022	4880
	8/18/2022	6270
	9/13/2022	7930
	10/3/2022	6320

Date	Count	Mean	Significant
10/3/2022	1	6320	FALSE

Non-Parametric Prediction Interval

Intra-Well Comparison for MW22-05

Parameter: Dissolved Solids

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 0%

Future Samples (k) = 1

Recent Dates = 1

Baseline Measurements (n) = 8

Maximum Baseline Concentration = 2950

Confidence Level = 88.9%

False Positive Rate = 11.1%

Baseline Measurements	Date	Value
	4/7/2022	2640
	5/9/2022	2480
	5/31/2022	1800
	6/20/2022	1800
	7/18/2022	2950
	8/18/2022	2310
	9/13/2022	2160
	10/3/2022	2290

Date	Count	Mean	Significant
10/3/2022	1	2290	FALSE

Concentrations (ppb)

Parameter: Thallium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements: 51

Total Non-Detect: 45

Percent Non-Detects: 88.2353%

Total Background Measurements: 6

There is 1 background location

Loc.	Meas.	ND	Date	Conc.	Original
MW22-01	6	6 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001

There are 7 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW22-02	6	0 (0%)	5/9/2022	0.000366	0.000366
			5/31/2022	0.000398	0.000398
			6/20/2022	0.000535	0.000535
			7/19/2022	0.000447	0.000447
			8/18/2022	0.000392	0.000392
			9/13/2022	0.000441	0.000441
MW22-03	6	6 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/19/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001
MW22-04	7	7 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001
MW22-05	6	6 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001
MW22-06	7	7 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001

			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001
MW22-08	7	7 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/18/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001
MW22-07	6	6 (100%)	5/9/2022	ND<0.001	ND<0.001
			5/31/2022	ND<0.001	ND<0.001
			6/20/2022	ND<0.001	ND<0.001
			7/19/2022	ND<0.001	ND<0.001
			8/18/2022	ND<0.001	ND<0.001
			9/13/2022	ND<0.001	ND<0.001

There are 0 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
------	-------	----	------	-------	----------

Non-Parametric Prediction Interval

Inter-Well Comparison

Parameter: Thallium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 88.2353%

Number of comparisons = 7

Future Samples (k) = 7

Recent Dates = 1

Background Measurements (n) = 6

Maximum Background Value = 0.001

Confidence Level = 46.2%

False Positive Rate = 53.8%

Location	Date	Count	Mean	Significant
MW22-02	9/13/2022	1	0.000441	FALSE
MW22-03	9/13/2022	1	0.001	FALSE
MW22-04	9/13/2022	1	0.001	FALSE
MW22-05	9/13/2022	1	0.001	FALSE
MW22-06	9/13/2022	1	0.001	FALSE
MW22-08	9/13/2022	1	0.001	FALSE
MW22-07	9/13/2022	1	0.001	FALSE