

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
123	17.80	-1.340
Std Dev	17.76	-1.000
Median	17.67	0.000
Std Dev	17.58	1.000
49	17.55	1.340

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	17.91	-0.474
61	17.91	-0.452
31	17.90	-0.430
24	17.88	-0.320
28	17.86	-0.254
28	17.82	-0.055
Median	17.80	0.000
24	17.79	0.055
32	17.64	0.717
18	17.61	0.849
Std Dev	17.58	1.000
18	17.48	1.423
79	17.41	1.732
38	16.93	3.849

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
61	17.91	-0.508
61	17.91	-0.486
31	17.90	-0.465
24	17.88	-0.357
28	17.86	-0.292
28	17.82	-0.097
123	17.80	-0.011
Median	17.79	0.000
24	17.79	0.011
32	17.64	0.659
18	17.61	0.789
Std Dev	17.56	1.000
49	17.55	1.070
18	17.48	1.351
79	17.41	1.653
38	16.93	3.728

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
79	17.99	-1.123
Std Dev	17.97	-1.000
18	17.96	-0.905
43	17.84	0.000
Median	17.84	0.000
43	17.78	0.435
Std Dev	17.70	1.000
49	17.62	1.594

010.12 Total Nitrogen		
Lab	Salicylic	
107	17.69	0.000
Median	17.69	0.000

010.60 Total Nitrogen		
Lab	Combustion	
80	19.65	-14.658
39	18.39	-4.267
63	18.10	-1.835
63	18.07	-1.587
9	18.01	-1.093
Std Dev	17.99	-1.000
102	17.98	-0.845
31	17.93	-0.433
14	17.92	-0.392
64	17.92	-0.350
14	17.90	-0.227
44	17.90	-0.227
103	17.88	-0.021
Median	17.87	0.000
38	17.87	0.021
24	17.87	0.062
29	17.84	0.268
123	17.83	0.350
75	17.82	0.474
24	17.79	0.722
Std Dev	17.75	1.000
35	17.75	1.051
49	17.72	1.258
87	17.71	1.381
99	17.38	4.061
96	17.30	4.721

110 17.25 5.133

010.99 Total Nitrogen		
Lab	Other	
23	17.86	-0.452
34	17.85	-0.387
23	17.84	-0.258
Median	17.82	0.000
113	17.80	0.258
Std Dev	17.74	1.000
32	17.73	1.227
40	17.63	2.519

010.XX Total Nitrogen		
Lab	Total Method	
80	19.65	-13.345
39	18.39	-4.029
63	18.10	-1.848
63	18.07	-1.626
9	18.01	-1.183
79	17.99	-1.072
Std Dev	17.98	-1.000
102	17.98	-0.961
18	17.96	-0.850
31	17.93	-0.591
14	17.92	-0.554
64	17.92	-0.518
14	17.90	-0.407
44	17.90	-0.407
103	17.88	-0.222
38	17.87	-0.185
24	17.87	-0.148
23	17.86	-0.074
34	17.85	-0.037
Median	17.85	0.000
23	17.84	0.037
29	17.84	0.037
43	17.84	0.074
123	17.83	0.111
75	17.82	0.222
113	17.80	0.333
24	17.79	0.444
43	17.78	0.518
35	17.75	0.739

32	17.73	0.887
49	17.72	0.924
Std Dev	17.71	1.000
87	17.71	1.035
107	17.69	1.146
40	17.63	1.626
49	17.62	1.700
99	17.38	3.438
96	17.30	4.029
110	17.25	4.399

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
35	47.32	-1.165
Std Dev	47.25	-1.000
18	47.06	-0.538
Median	46.83	0.000
241	46.60	0.538
79	46.42	0.964

020.20 Total Phosphate		
Lab	Spectrometric	
123	47.77	-5.078
14	47.37	-2.793
14	47.26	-2.172
9	47.11	-1.326
24	47.07	-1.100
Std Dev	47.05	-1.000
24	46.97	-0.564
34	46.97	-0.564
220	46.90	-0.176
23	46.87	0.000
43	46.87	0.000
43	46.87	0.000
Median	46.87	0.000
244	46.86	0.085
23	46.82	0.310
31	46.80	0.395
Std Dev	46.69	1.000
61	46.67	1.157
99	46.65	1.241
61	46.53	1.947
102	46.09	4.401

020.30 Total Phosphate		
Lab	Alka. Quimociac	
40	48.08	0.000
<b>Median</b>	<b>48.08</b>	<b>0.000</b>

020.40 Total Phosphate		
Lab	Automated	
9	47.34	-1.042
<b>Std Dev</b>	<b>47.32</b>	<b>-1.000</b>
28	46.88	-0.064
32	46.85	0.000
<b>Median</b>	<b>46.85</b>	<b>0.000</b>
<b>Std Dev</b>	<b>46.38</b>	<b>1.000</b>
28	46.25	1.276
96	42.25	9.784

020.99 Total Phosphate		
Lab	Other	
103	47.73	-1.340
<b>Std Dev</b>	<b>47.61</b>	<b>-1.000</b>
<b>Median</b>	<b>47.27</b>	<b>0.000</b>
<b>Std Dev</b>	<b>46.92</b>	<b>1.000</b>
110	46.80	1.340

020.XX Total Phosphate		
Lab	Total Method	
40	48.08	-4.075
123	47.77	-3.044
103	47.73	-2.908
14	47.37	-1.674
9	47.34	-1.589
35	47.32	-1.522
14	47.26	-1.302
<b>Std Dev</b>	<b>47.17</b>	<b>-1.000</b>
9	47.11	-0.795
24	47.07	-0.659
18	47.06	-0.626
24	46.97	-0.338
34	46.97	-0.338
220	46.90	-0.105
28	46.88	-0.034
23	46.87	0.000
43	46.87	0.000
43	46.87	0.000

<b>Median</b>	<b>46.87</b>	<b>0.000</b>
244	46.86	0.051
32	46.85	0.068
23	46.82	0.186
31	46.80	0.237
110	46.80	0.237
61	46.67	0.693
99	46.65	0.744
241	46.60	0.913
<b>Std Dev</b>	<b>46.57</b>	<b>1.000</b>
61	46.53	1.167
79	46.42	1.522
28	46.25	2.097
102	46.09	2.638
96	42.25	15.623

030.10 Insoluble Phosphate		
Lab	Gravimetric Quimociac	
79	0.19	0.000
<b>Median</b>	<b>0.19</b>	<b>0.000</b>

030.20 Insoluble Phosphate		
Lab	Spectrometric	
31	0.61	-2.188
43	0.56	-1.872
24	0.47	-1.294
24	0.46	-1.198
43	0.44	-1.096
<b>Std Dev</b>	<b>0.42</b>	<b>-1.000</b>
61	0.28	-0.080
18	0.27	-0.016
<b>Median</b>	<b>0.27</b>	<b>0.000</b>
23	0.27	0.016
61	0.27	0.016
23	0.26	0.048
113	0.24	0.208
14	0.19	0.527
14	0.17	0.623
<b>Std Dev</b>	<b>0.11</b>	<b>1.000</b>
123	0.08	1.198

030.40 Insoluble Phosphate		
Lab	Automated	
32	0.39	-0.423

34	0.37	0.000
<b>Median</b>	<b>0.37</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.33</b>	<b>1.000</b>
9	0.29	2.257

030.99 Insoluble Phosphate		
Lab	Other	
28	0.75	-1.340
<b>Std Dev</b>	<b>0.74</b>	<b>-1.000</b>
<b>Median</b>	<b>0.74</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.74</b>	<b>1.000</b>
28	0.74	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
28	0.75	-3.007
28	0.74	-2.974
31	0.61	-2.124
43	0.56	-1.801
24	0.47	-1.209
24	0.46	-1.111
43	0.44	-1.007
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
32	0.39	-0.654
34	0.37	-0.556
9	0.29	-0.033
<b>Median</b>	<b>0.29</b>	<b>0.000</b>
61	0.28	0.033
18	0.27	0.098
23	0.27	0.131
61	0.27	0.131
23	0.26	0.163
113	0.24	0.327
79	0.19	0.621
14	0.19	0.654
14	0.17	0.752
<b>Std Dev</b>	<b>0.13</b>	<b>1.000</b>
123	0.08	1.340

040.10 Indirect Available Phosphate		
Lab	Gravimetric Quimociac	
79	46.23	0.000
<b>Median</b>	<b>46.23</b>	<b>0.000</b>

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
123	47.75	-4.003
14	47.18	-2.094
14	47.09	-1.776
<b>Std Dev</b>	<b>46.85</b>	<b>-1.000</b>
18	46.79	-0.770
23	46.61	-0.184
24	46.61	-0.184
23	46.56	0.000
<b>Median</b>	<b>46.56</b>	<b>0.000</b>
24	46.50	0.184
43	46.44	0.402
61	46.39	0.570
43	46.31	0.821
61	46.26	0.988
<b>Std Dev</b>	<b>46.26</b>	<b>1.000</b>
31	46.19	1.223

040.40 Indirect Available Phosphate		
Lab	Automated	
32	46.47	0.000
<b>Median</b>	<b>46.47</b>	<b>0.000</b>

040.99 Indirect Available Phosphate		
Lab	Other	
9	47.05	-1.125
<b>Std Dev</b>	<b>46.95</b>	<b>-1.000</b>
34	46.60	-0.572
28	46.14	0.000
<b>Median</b>	<b>46.14</b>	<b>0.000</b>
28	45.51	0.768
<b>Std Dev</b>	<b>45.32</b>	<b>1.000</b>
38	45.19	1.162

040.XX Indirect Available Phosphate		
Lab	Total Method	
123	47.75	-4.233
14	47.18	-2.329
14	47.09	-2.012
9	47.05	-1.895
18	46.79	-1.010
<b>Std Dev</b>	<b>46.78</b>	<b>-1.000</b>
23	46.61	-0.426

24	46.61	-0.426
34	46.60	-0.392
23	46.56	-0.242
24	46.50	-0.058
<b>Median</b>	<b>46.48</b>	<b>0.000</b>
32	46.47	0.058
43	46.44	0.159
61	46.39	0.326
43	46.31	0.576
61	46.26	0.743
79	46.23	0.843
31	46.19	0.977
<b>Std Dev</b>	<b>46.18</b>	<b>1.000</b>
28	46.14	1.160
28	45.51	3.248
38	45.19	4.316

041.10	Direct Available Phosphate	
Lab	Gravimetric Quimociac	
44	47.42	-1.347
<b>Std Dev</b>	<b>47.29</b>	<b>-1.000</b>
87	47.05	-0.345
<b>Median</b>	<b>46.92</b>	<b>0.000</b>
39	46.79	0.345
<b>Std Dev</b>	<b>46.55</b>	<b>1.000</b>
49	46.20	1.942

041.20	Direct Available Phosphate	
Lab	Spectrometric	
220	46.05	0.000
<b>Median</b>	<b>46.05</b>	<b>0.000</b>

041.40	Direct Available Phosphate	
Lab	Automated	
39	46.81	-1.340
<b>Std Dev</b>	<b>46.74</b>	<b>-1.000</b>
<b>Median</b>	<b>46.53</b>	<b>0.000</b>
<b>Std Dev</b>	<b>46.33</b>	<b>1.000</b>
49	46.26	1.340

041.50	Direct Available Phosphate	
Lab	ICP	
66	46.62	-1.510
80	46.40	-1.302

<b>Std Dev</b>	<b>46.08</b>	<b>-1.000</b>
63	45.02	0.000
<b>Median</b>	<b>45.02</b>	<b>0.000</b>
63	44.98	0.038
<b>Std Dev</b>	<b>43.96</b>	<b>1.000</b>
87	43.93	1.029

041.60	Direct Available Phosphate	
Lab	EDTA Extract	
64	46.66	-1.340
<b>Std Dev</b>	<b>46.63</b>	<b>-1.000</b>
<b>Median</b>	<b>46.52</b>	<b>0.000</b>
<b>Std Dev</b>	<b>46.42</b>	<b>1.000</b>
29	46.39	1.340

041.XX	Direct Available Phosphate	
Lab	Total Method	
44	47.42	-2.050
87	47.05	-1.307
<b>Std Dev</b>	<b>46.89</b>	<b>-1.000</b>
39	46.81	-0.825
39	46.79	-0.795
64	46.66	-0.534
66	46.62	-0.454
80	46.40	-0.012
<b>Median</b>	<b>46.39</b>	<b>0.000</b>
29	46.39	0.012
49	46.26	0.269
49	46.20	0.389
220	46.05	0.684
<b>Std Dev</b>	<b>45.90</b>	<b>1.000</b>
63	45.02	2.758
63	44.98	2.839
87	43.93	4.946

048.20	Water Soluble Phosphate	
Lab	Spectrometric	
43	42.50	-2.419
43	42.36	-1.377
24	42.36	-1.340
<b>Std Dev</b>	<b>42.31</b>	<b>-1.000</b>
23	42.30	-0.931
24	42.28	-0.782
31	42.28	-0.782

34	42.27	-0.707
18	42.27	-0.670
14	42.18	0.000
<b>Median</b>	<b>42.18</b>	<b>0.000</b>
220	42.17	0.070
14	42.15	0.223
23	42.12	0.409
79	42.10	0.558
61	42.09	0.670
<b>Std Dev</b>	<b>42.04</b>	<b>1.000</b>
32	42.04	1.005
61	41.86	2.382
244	41.37	6.030

048.99	Water Soluble Phosphate	
Lab	Other	
123	43.68	-1.340
<b>Std Dev</b>	<b>43.50</b>	<b>-1.000</b>
<b>Median</b>	<b>42.97</b>	<b>0.000</b>
<b>Std Dev</b>	<b>42.44</b>	<b>1.000</b>
9	42.26	1.340

048.XX	Water Soluble Phosphate	
Lab	Total Method	
123	43.68	-10.608
43	42.50	-1.824
<b>Std Dev</b>	<b>42.39</b>	<b>-1.000</b>
43	42.36	-0.782
24	42.36	-0.744
23	42.30	-0.335
24	42.28	-0.186
31	42.28	-0.186
34	42.27	-0.112
18	42.27	-0.074
9	42.26	0.000
<b>Median</b>	<b>42.26</b>	<b>0.000</b>
14	42.18	0.596
220	42.17	0.666
14	42.15	0.819
<b>Std Dev</b>	<b>42.12</b>	<b>1.000</b>
23	42.12	1.005
79	42.10	1.154
61	42.09	1.266
32	42.04	1.601

61	41.86	2.978
244	41.37	6.626

050.00	Soluble Potash	
Lab	STPB Oxalate	
87	<0.1	0.000
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

050.50	%K <sub>2</sub> O	Soluble Potash
Lab		ICP(Oxalate)
23	0.13	0.000
23	0.13	0.000
<b>Median</b>	<b>0.13</b>	<b>0.000</b>

050.51	%K <sub>2</sub> O	Soluble Potash
Lab		ICP(Citrate)
102	0.11	-1.340
<b>Std Dev</b>	<b>0.11</b>	<b>-1.000</b>
<b>Median</b>	<b>0.11</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.11</b>	<b>1.000</b>
87	0.11	1.340

050.60	Soluble Potash	
Lab	%K <sub>2</sub> O	Flame Photometric(Oxalate)
241	0.11	0.000
<b>Median</b>	<b>0.11</b>	<b>0.000</b>

050.99	Soluble Potash	
Lab	%K <sub>2</sub> O	Other
43	0.12	-0.387
24	0.12	-0.038
24	0.12	-0.038
43	0.11	0.000
<b>Median</b>	<b>0.11</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.11</b>	<b>1.000</b>
61	0.11	1.302
61	0.11	1.302
28	0.10	3.982

050.XX	Soluble Potash	
Lab	%K <sub>2</sub> O	Total Method
87	<0.1	0.000
23	0.13	0.000
23	0.13	0.000

Std Dev	0.00	-1.000
43	0.12	0.000
24	0.12	0.000
24	0.12	0.000
43	0.11	0.000
Std Dev	0.00	1.000
Median	0.00	0.000
102	0.11	0.000
61	0.11	0.000
61	0.11	0.000
241	0.11	0.000
87	0.11	0.000
28	0.10	0.000

060.00 Lab	Free Water Vacuum Oven	
18	2.13	-1.870
31	2.13	-1.870
23	2.02	-1.413
Std Dev	1.92	-1.000
220	1.85	-0.686
23	1.84	-0.665
32	1.83	-0.623
24	1.80	-0.478
24	1.79	-0.457
28	1.74	-0.249
34	1.68	0.000
Median	1.68	0.000
28	1.63	0.208
9	1.61	0.291
123	1.58	0.416
14	1.53	0.623
113	1.50	0.769
14	1.49	0.789
43	1.45	0.956
Std Dev	1.44	1.000
43	1.38	1.267
79	1.31	1.537

060.10 Lab	Free Water Vacuum Desiccate	
61	1.49	-1.340
Std Dev	1.46	-1.000
Median	1.37	0.000

Std Dev	1.28	1.000
61	1.26	1.340

060.XX Lab	Free Water Total Method	
18	2.13	-1.971
31	2.13	-1.971
23	2.02	-1.537
Std Dev	1.88	-1.000
220	1.85	-0.847
23	1.84	-0.828
32	1.83	-0.788
24	1.80	-0.650
24	1.79	-0.631
28	1.74	-0.434
34	1.68	-0.197
28	1.63	0.000
Median	1.63	0.000
9	1.61	0.079
123	1.58	0.197
14	1.53	0.394
113	1.50	0.532
14	1.49	0.552
61	1.49	0.571
43	1.45	0.709
Std Dev	1.38	1.000
43	1.38	1.005
79	1.31	1.261
61	1.26	1.478

101.30 Lab	%CaO	Acid Soluble Calcium ICP
28	0.35	-1.426
Std Dev	0.34	-1.000
61	0.33	-0.713
23	0.33	-0.535
31	0.33	-0.535
32	0.33	-0.535
61	0.33	-0.535
24	0.32	-0.357
39	0.31	-0.007
14	0.31	0.000
23	0.31	0.000
Median	0.31	0.000

14	0.30	0.357
24	0.30	0.357
9	0.29	0.713
102	0.29	0.836
Std Dev	0.28	1.000
34	0.28	1.070
43	0.28	1.093
43	0.28	1.105
87	0.27	1.250

101.XX Lab	%CaO	Acid Soluble Calcium Total Method
28	0.35	-1.426
Std Dev	0.34	-1.000
61	0.33	-0.713
23	0.33	-0.535
31	0.33	-0.535
32	0.33	-0.535
61	0.33	-0.535
24	0.32	-0.357
39	0.31	-0.007
14	0.31	0.000
23	0.31	0.000
Median	0.31	0.000
14	0.30	0.357
24	0.30	0.357
9	0.29	0.713
102	0.29	0.836
Std Dev	0.28	1.000
34	0.28	1.070
43	0.28	1.093
43	0.28	1.105
87	0.27	1.250

121.00 Lab	%MgO	Acid Soluble Magnesium Atomic Absorption
18	1.51	-1.340
Std Dev	1.50	-1.000
Median	1.47	0.000
Std Dev	1.44	1.000
241	1.43	1.340

121.30 Lab	%MgO	Acid Soluble Magnesium ICP
79	1.45	-0.080
Median	1.44	0.000
34	1.44	0.080
28	1.44	0.199
32	1.44	0.199
61	1.43	0.318
31	1.43	0.437
61	1.42	0.556
87	1.41	0.901
Std Dev	1.40	1.000
43	1.28	4.010
43	1.27	4.130

24	1.54	-2.302
23	1.54	-2.183
23	1.53	-1.945
24	1.50	-1.350
Std Dev	1.49	-1.000
14	1.49	-0.992
9	1.48	-0.754
14	1.45	-0.158
39	1.45	-0.158
102	1.45	-0.080
Median	1.44	0.000
34	1.44	0.080
28	1.44	0.199
32	1.44	0.199
61	1.43	0.318
31	1.43	0.437
61	1.42	0.556
87	1.41	0.901
Std Dev	1.40	1.000
43	1.28	4.010
43	1.27	4.130

121.XX Lab	%MgO	Acid Soluble Magnesium Total Method
24	1.54	-2.159
23	1.54	-2.047
23	1.53	-1.824
18	1.51	-1.489
24	1.50	-1.265
Std Dev	1.49	-1.000
14	1.49	-0.930
9	1.48	-0.707
14	1.45	-0.149
39	1.45	-0.149
102	1.45	-0.075
Median	1.44	0.000
34	1.44	0.075
28	1.44	0.186
32	1.44	0.186
61	1.43	0.298
241	1.43	0.298
31	1.43	0.410
61	1.42	0.521
87	1.41	0.844

Std Dev	1.40	1.000
43	1.28	3.760
43	1.27	3.871

144..01	Sulfate Sulfur (S)	
Lab	Gravimetric	
220	1.50	-0.601
61	1.48	-0.401
79	1.44	-0.050
Median	1.44	0.000
61	1.43	0.050
Std Dev	1.34	1.000
241	1.30	1.353
244	1.30	1.353

144.02	Sulfate Sulfur (S)	
Lab	Gravimetric	
18	1.35	0.000
Median	1.35	0.000

144.70	Sulfur	
Lab	Spectrometric	
14	1.27	0.000
14	1.27	0.000
Median	1.27	0.000

144.99	Sulfate Sulfur (S)	
Lab	Other	
28	3.61	-10.838
9	2.57	-5.971
43	1.56	-1.199
43	1.55	-1.175
Std Dev	1.51	-1.000
24	1.30	0.000
24	1.30	0.000
Median	1.30	0.000
23	1.28	0.094
23	1.28	0.118
34	1.26	0.188
31	1.22	0.400
32	1.22	0.400

144.XX	Sulfate Sulfur (S)	
Lab	Total Method	

28	3.61	-14.976
9	2.57	-8.251
43	1.56	-1.657
43	1.55	-1.624
220	1.50	-1.267
61	1.48	-1.137
Std Dev	1.45	-1.000
79	1.44	-0.910
61	1.43	-0.845
18	1.35	-0.325
24	1.30	0.000
24	1.30	0.000
241	1.30	0.000
244	1.30	0.000
Median	1.30	0.000
23	1.28	0.130
23	1.28	0.162
14	1.27	0.195
14	1.27	0.195
34	1.26	0.260
31	1.22	0.552
32	1.22	0.552

145.99	Total Sulfur (S)	
Lab	Other	
102	1.15	-1.340
Std Dev	1.15	-1.000
Median	1.15	0.000
Std Dev	1.15	1.000
87	1.15	1.340

145.XX	Total Sulfur (S)	
Lab	Total Method	
102	1.15	-1.340
Std Dev	1.15	-1.000
Median	1.15	0.000
Std Dev	1.15	1.000
87	1.15	1.340

151.30	Total Arsenic	
Lab	ICP	
102	21.95	-9.657
Std Dev	12.50	-1.000
64	12.41	-0.916

9	11.62	-0.192
Median	11.41	0.000
28	11.20	0.192
28	10.60	0.742
Std Dev	10.32	1.000
24	7.78	3.326

151.99	Total Arsenic	
Lab	Other	
18	12.00	-1.340
Std Dev	11.84	-1.000
Median	11.38	0.000
Std Dev	10.91	1.000
87	10.76	1.340

151.XX	Total Arsenic	
Lab	Total Method	
102	21.95	-10.188
Std Dev	12.44	-1.000
64	12.41	-0.967
18	12.00	-0.570
9	11.62	-0.203
Median	11.41	0.000
28	11.20	0.203
87	10.76	0.633
28	10.60	0.783
Std Dev	10.38	1.000
24	7.78	3.509

165.00	Acid Soluble Boron	
Lab	Spectrometric	
18	0.01	0.000
Median	0.01	0.000

165.99	Acid Soluble Boron	
Lab	PPM	Other
87	465.45	-2.670
Std Dev	202.44	-1.000
24	45.00	0.000
Median	45.00	0.000
102	43.50	0.010

165.XX, ppm	Acid Soluble Boron	
Lab	PPM	Total Method

87	465.45	-4.804
Std Dev	131.93	-1.000
24	45.00	-0.009
Median	44.25	0.000
102	43.50	0.009
18	0.01	0.505

181.00	Total Cadmium	
Lab	Atomic Absorbtion	
220	3.86	-1.340
Std Dev	3.75	-1.000
Median	3.45	0.000
Std Dev	3.15	1.000
18	3.05	1.340

181.30	Total Cadmium	
Lab	PPM	ICP
61	4.00	-2.811
61	3.50	-1.503
9	3.35	-1.111
Std Dev	3.31	-1.000
43	3.00	-0.196
43	3.00	-0.196
Median	2.93	0.000
28	2.85	0.196
28	2.75	0.458
102	2.75	0.458
Std Dev	2.54	1.000
64	2.28	1.700
87	1.67	3.279

181.99	Total Cadmium	
Lab	Other	
24	3.23	0.000
Median	3.23	0.000

181.XX	Total Cadmium	
Lab	PPM	Total Method
61	4.00	-2.233
220	3.86	-1.913
61	3.50	-1.117
Std Dev	3.45	-1.000
9	3.35	-0.782
24	3.23	-0.503

18	3.05	-0.112
43	3.00	0.000
43	3.00	0.000
<b>Median</b>	<b>3.00</b>	<b>0.000</b>
28	2.85	0.335
28	2.75	0.558
102	2.75	0.558
<b>Std Dev</b>	<b>2.55</b>	<b>1.000</b>
64	2.28	1.619
87	1.67	2.968

190.00 Lab	%Al <sub>2</sub> O <sub>3</sub>	Aluminum ICP
241	1.57	-3.555
9	1.49	-1.805
14	1.47	-1.258
<b>Std Dev</b>	<b>1.45</b>	<b>-1.000</b>
14	1.44	-0.711
31	1.44	-0.711
23	1.42	-0.164
24	1.41	-0.055
28	1.41	-0.055
34	1.41	-0.055
<b>Median</b>	<b>1.41</b>	<b>0.000</b>
23	1.41	0.055
24	1.41	0.055
61	1.38	0.602
61	1.38	0.602
32	1.37	0.820
<b>Std Dev</b>	<b>1.36</b>	<b>1.000</b>
87	1.34	1.560
43	1.25	3.446
43	1.25	3.446
102	1.15	5.556

190.99 Lab	%Al <sub>2</sub> O <sub>3</sub>	Aluminum Atomic Absorption
18	1.49	0.000
<b>Median</b>	<b>1.49</b>	<b>0.000</b>

190.XX Lab	%Al <sub>2</sub> O <sub>3</sub>	Aluminum Total Method
241	1.57	-3.298
9	1.49	-1.649

18	1.49	-1.649
14	1.47	-1.134
<b>Std Dev</b>	<b>1.46</b>	<b>-1.000</b>
14	1.44	-0.618
31	1.44	-0.618
23	1.42	-0.103
24	1.41	0.000
28	1.41	0.000
34	1.41	0.000
<b>Median</b>	<b>1.41</b>	<b>0.000</b>
23	1.41	0.103
24	1.41	0.103
61	1.38	0.618
61	1.38	0.618
32	1.37	0.825
<b>Std Dev</b>	<b>1.36</b>	<b>1.000</b>
87	1.34	1.522
43	1.25	3.298
43	1.25	3.298
102	1.15	5.287

191.00 Lab	Total Chromium Atomic Absorption
18	116.00
<b>Median</b>	<b>116.00</b>

191.30 Lab	Total Chromium ICP
61	122.50
28	122.30
28	122.10
61	121.50
87	119.95
<b>Median</b>	<b>118.98</b>
9	118.00
64	115.82
<b>Std Dev</b>	<b>110.30</b>
43	108.50
43	108.00
102	106.75

191.99 Lab	Total Chromium Other
24	108.50
<b>Median</b>	<b>108.50</b>

<b>Median</b>	<b>108.50</b>	<b>0.000</b>
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191.XX Lab	PPM	Total Chromium Total Method
61	122.50	-0.560
28	122.30	-0.540
28	122.10	-0.520
61	121.50	-0.459
87	119.95	-0.301
9	118.00	-0.102
<b>Median</b>	<b>117.00</b>	<b>0.000</b>
18	116.00	0.102
64	115.82	0.120
24	108.50	0.866
43	108.50	0.866
43	108.00	0.917
<b>Std Dev</b>	<b>107.19</b>	<b>1.000</b>
102	106.75	1.044

202.00 Lab	Acid Soluble Cobalt Atomic Absorption
18	<5
<b>Median</b>	<b>0.00</b>

202.30 Lab	PPM	Acid Soluble Cobalt ICP
64	3.27	-1.536
<b>Std Dev</b>	<b>3.09</b>	<b>-1.000</b>
61	3.00	-0.747
61	3.00	-0.747
28	2.85	-0.300
87	2.80	-0.147
<b>Median</b>	<b>2.75</b>	<b>0.000</b>
28	2.70	0.147
9	2.55	0.593
43	2.50	0.742
43	2.50	0.742
<b>Std Dev</b>	<b>2.41</b>	<b>1.000</b>
102	2.00	2.231

202.99 Lab	Acid Soluble Cobalt Other
24	2.42
<b>Median</b>	<b>2.42</b>

202.XX Lab	PPM	Acid Soluble Cobalt Total Method
18	<5	0.000
64	3.27	-1.781
<b>Std Dev</b>	<b>3.02</b>	<b>-1.000</b>
61	3.00	-0.946
61	3.00	-0.946
28	2.85	-0.473
87	2.80	-0.311
28	2.70	0.000
<b>Median</b>	<b>2.70</b>	<b>0.000</b>
9	2.55	0.473
43	2.50	0.631
43	2.50	0.631
24	2.42	0.899
<b>Std Dev</b>	<b>2.38</b>	<b>1.000</b>
102	2.00	2.207

221.00 Lab	Acid Soluble Copper Atomic Absorption
18	1.41
<b>Std Dev</b>	<b>1.36</b>
241	1.30
<b>Median</b>	<b>1.30</b>
220	1.25

221.30 Lab	PPM	Acid Soluble Copper ICP
28	3.35	-1.083
28	3.34	-1.071
<b>Std Dev</b>	<b>3.25</b>	<b>-1.000</b>
102	2.55	-0.429
<b>Median</b>	<b>2.03</b>	<b>0.000</b>
43	1.50	0.429
43	1.50	0.429
87	0.96	0.869

221.99 Lab	Acid Soluble Copper Other
24	1.92
<b>Median</b>	<b>1.92</b>

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
18	<2.5	0.000
28	3.35	-1.328
28	3.34	-1.314
<b>Std Dev</b>	<b>3.00</b>	<b>-1.000</b>
102	2.55	-0.585
24	1.92	0.000
<b>Median</b>	<b>1.92</b>	<b>0.000</b>
43	1.50	0.390
43	1.50	0.390
87	0.96	0.890

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
39	1.36	-1.173
<b>Std Dev</b>	<b>1.35</b>	<b>-1.000</b>
24	1.35	-0.837
23	1.34	-0.670
14	1.33	-0.335
23	1.33	-0.335
24	1.33	-0.335
9	1.33	-0.167
31	1.33	-0.167
34	1.32	0.000
<b>Median</b>	<b>1.32</b>	<b>0.000</b>
14	1.31	0.335
61	1.30	0.670
28	1.30	0.838
<b>Std Dev</b>	<b>1.29</b>	<b>1.000</b>
61	1.29	1.005
32	1.29	1.173
43	1.27	1.675
43	1.27	1.843
87	1.25	2.354

241.99 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Other
102	1.22	0.000
<b>Median</b>	<b>1.22</b>	<b>0.000</b>

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
18	1.41	-2.978

39	1.36	-1.340
24	1.35	-1.042
<b>Std Dev</b>	<b>1.34</b>	<b>-1.000</b>
23	1.34	-0.893
14	1.33	-0.596
23	1.33	-0.596
24	1.33	-0.596
9	1.33	-0.447
31	1.33	-0.447
34	1.32	-0.298
14	1.31	0.000
<b>Median</b>	<b>1.31</b>	<b>0.000</b>
61	1.30	0.298
241	1.30	0.298
28	1.30	0.447
61	1.29	0.596
32	1.29	0.744
<b>Std Dev</b>	<b>1.28</b>	<b>1.000</b>
43	1.27	1.191
43	1.27	1.340
220	1.25	1.687
87	1.25	1.795
102	1.22	2.751

251.00 Total Lead		
Lab	Atomic Absorbtion	
18	1.60	0.000
<b>Median</b>	<b>1.60</b>	<b>0.000</b>

251.30 Total Lead		
Lab	PPM	ICP
87	<5	0.000
102	<5	0.000
28	4.35	-1.870
28	4.20	-1.787
<b>Std Dev</b>	<b>2.79</b>	<b>-1.000</b>
43	1.00	0.000
43	1.00	0.000
61	1.00	0.000
61	1.00	0.000
<b>Median</b>	<b>1.00</b>	<b>0.000</b>

43	1.00	0.000
43	1.00	0.000
61	1.00	0.000
61	1.00	0.000
<b>Median</b>	<b>1.00</b>	<b>0.000</b>

251.99 Total Lead		
Lab	Other	

24	1.50	0.000
<b>Median</b>	<b>1.50</b>	<b>0.000</b>

251.XX Total Lead		
Lab	PPM	Total Method
87	<5	0.000
102	<5	0.000
28	4.35	-3.323
28	4.20	-3.162
<b>Std Dev</b>	<b>2.18</b>	<b>-1.000</b>
18	1.60	-0.375
24	1.50	-0.268
<b>Median</b>	<b>1.25</b>	<b>0.000</b>
43	1.00	0.268
43	1.00	0.268
61	1.00	0.268
61	1.00	0.268

261.00 Acid Soluble Manganese		
Lab	Atomic Absorption	
18	270.00	0.000
<b>Median</b>	<b>270.00</b>	<b>0.000</b>

261.30 Acid Soluble Manganese		
Lab	ICP	
28	280.95	-0.812
28	278.70	-0.665
39	277.50	-0.587
9	268.50	0.000
<b>Median</b>	<b>268.50</b>	<b>0.000</b>
87	263.40	0.333
<b>Std Dev</b>	<b>253.16</b>	<b>1.000</b>
102	251.70	1.095
31	243.50	1.630

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	269.00	-1.608
61	266.50	-1.161
<b>Std Dev</b>	<b>265.60</b>	<b>-1.000</b>
43	260.00	0.000
<b>Median</b>	<b>260.00</b>	<b>0.000</b>
43	259.00	0.179
24	255.00	0.893

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
28	280.95	-1.760
28	278.70	-1.486
39	277.50	-1.340
<b>Std Dev</b>	<b>274.71</b>	<b>-1.000</b>
18	270.00	-0.426
61	269.00	-0.305
9	268.50	-0.244
61	266.50	0.000
<b>Median</b>	<b>266.50</b>	<b>0.000</b>
87	263.40	0.378
43	260.00	0.792
43	259.00	0.914
<b>Std Dev</b>	<b>258.29</b>	<b>1.000</b>
24	255.00	1.401
102	251.70	1.803
31	243.50	2.802

281.00 Total Mercury		
Lab	PPM	Atomic Absorbtion
87	<0.025	0.000
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

281.30 Total Mercury		
Lab	PPM	ICP
24	<0.07	0.000
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

281.99 Total Mercury		
Lab	PPM	Other
102	<.4	0.000
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

281.XX Total Mercury		
Lab	PPM	Total Method
24	<0.07	0.000
87	<0.025	0.000
102	<.4	0.000
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

289.30 Total Molybdenum		
Lab	PPM	ICP

28	13.20	-2.661
Std Dev	11.06	-1.000
61	11.00	-0.952
61	11.00	-0.952
28	10.00	-0.175
9	9.90	-0.097
Median	9.78	0.000
102	9.65	0.097
64	9.26	0.404
87	8.95	0.642
Std Dev	8.49	1.000
43	8.40	1.068
43	8.20	1.224

289.99	Lab	PPM	Total Molybdenum
			Other
24		10.40	-1.340
Std Dev		10.22	-1.000
Median		9.68	0.000
Std Dev		9.13	1.000
18		8.95	1.340

289.XX	Lab	PPM	Total Molybdenum
			Total Method
28		13.20	-2.868
61		11.00	-1.026
61		11.00	-1.026
Std Dev		10.97	-1.000
24		10.40	-0.523
28		10.00	-0.188
9		9.90	-0.105
Median		9.78	0.000
102		9.65	0.105
64		9.26	0.435
18		8.95	0.691
87		8.95	0.692
Std Dev		8.58	1.000
43		8.40	1.151
43		8.20	1.319

291.30	Lab	PPM	Total Nickel
			ICP
28		11.40	-1.234
28		11.35	-1.179

Std Dev	11.19	-1.000
61	11.00	-0.796
9	10.95	-0.742
64	10.55	-0.298
Median	10.27	0.000
61	10.00	0.298
87	9.95	0.349
102	9.70	0.627
43	9.50	0.846
43	9.50	0.846

291.99	Lab	PPM	Total Nickel
			Other
24		11.90	0.000
Median		11.90	0.000

291.XX	Lab	PPM	Total Nickel
			Total Method
24		11.90	-1.347
Std Dev		11.55	-1.000
28		11.40	-0.850
28		11.35	-0.800
61		11.00	-0.452
9		10.95	-0.403
64		10.55	0.000
Median		10.55	0.000
61		10.00	0.542
87		9.95	0.588
102		9.70	0.840
Std Dev		9.54	1.000
43		9.50	1.039
43		9.50	1.039

301.30	Lab	PPM	Total Selenium
			ICP
102		<5	0.000
87		<4.6	0.000
24		<0.50	0.000
28		1.00	-1.340
Std Dev		0.99	-1.000
Median		0.95	0.000
28		0.90	1.340

301.99	Lab	PPM	Total Selenium
			Other
18		<0.25	0.000
Median		0.00	0.000

301.XX	Lab	PPM	Total Selenium
			Total Method
102		<5	0.000
87		<4.6	0.000
24		<0.50	0.000
18		<0.25	0.000
28		1.00	-1.340
Median		0.95	0.000
28		0.90	1.340

311.00	Lab	%Na <sub>2</sub> O	Sodium
			Atomic Absorbion
28		0.22	-3.015
Std Dev		0.19	-1.000
241		0.18	-0.335
Median		0.18	0.000
61		0.17	0.335
61		0.17	0.335

311.99	Lab	%Na <sub>2</sub> O	Sodium
			Other
23		0.22	-0.303
23		0.22	-0.303
24		0.21	-0.140
87		0.21	-0.022
Median		0.21	0.000
24		0.21	0.022
Std Dev		0.17	1.000
43		0.17	1.159
43		0.17	1.159
102		0.16	1.327

311.XX	Lab	%Na <sub>2</sub> O	Sodium
			Total Method
28		0.22	-0.893
23		0.22	-0.731
23		0.22	-0.731
24		0.21	-0.568
87		0.21	-0.451

24	0.21	-0.406
Median	0.19	0.000
241	0.18	0.406
43	0.17	0.731
43	0.17	0.731
61	0.17	0.731
61	0.17	0.731
102	0.16	0.898

321.00	Lab	Acid Soluble Zinc
		Atomic Absorption
18	42.50	0.000
Median	42.50	0.000

321.30	Lab	PPM	Acid Soluble Zinc
			ICP
28		68.90	-5.578
28		54.50	-2.055
Std Dev		50.19	-1.000
64		48.18	-0.509
24		47.20	-0.269
Median		46.10	0.000
61		45.00	0.269
61		44.50	0.391
87		43.63	0.604
102		42.90	0.783

321.99	Lab	Acid Soluble Zinc
		Other
43	41.00	0.000
43	41.00	0.000
Median	41.00	0.000

321.XX	Lab	PPM	Acid Soluble Zinc
			Total Method
28		68.90	-6.552
28		54.50	-2.685
Std Dev		48.22	-1.000
64		48.18	-0.988
24		47.20	-0.725
61		45.00	-0.134
61		44.50	0.000
Median		44.50	0.000
87		43.63	0.234

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102	42.90	0.430
18	42.50	0.537
43	41.00	0.940
43	41.00	0.940

24	2.09	0.074
18	2.06	0.280
23	2.03	0.456
23	2.01	0.574
14	1.76	2.047
102	1.75	2.076
14	1.73	2.194
79	0.70	8.279

325.00		
Lab		Fluoride Volumetric
9	2.12	0.000
Median	2.12	0.000

325.10		
Lab	%	Fluoride Electrode
32	2.43	-1.211
31	2.21	-0.484
34	2.17	-0.371
220	2.17	-0.371
24	2.12	-0.210
24	2.09	-0.113
18	2.06	0.000
Median	2.06	0.000
23	2.03	0.097
23	2.01	0.161
14	1.76	0.969
102	1.75	0.985
14	1.73	1.049
79	0.70	4.385

325.99		
Lab	%	Fluoride Other
61	2.20	-1.340
Median	2.17	0.000
61	2.14	1.340

325.XX		
Lab	%	Fluoride Total Method
32	2.43	-1.929
31	2.21	-0.604
61	2.20	-0.574
34	2.17	-0.398
220	2.17	-0.398
61	2.14	-0.221
24	2.12	-0.103
9	2.12	-0.074
Median	2.10	0.000