

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	11.12	0.000
<b>Median</b>	<b>11.12</b>	<b>0.000</b>

001.99 Ammoniacal Nitrogen		
Lab	Other	
24	11.18	-2.680
23	11.12	-1.340
23	11.12	-1.218
34	11.11	-1.096
<b>Std Dev</b>	<b>11.11</b>	<b>-1.000</b>
61	11.07	0.000
<b>Median</b>	<b>11.07</b>	<b>0.000</b>
32	11.06	0.122
24	11.06	0.122
61	11.05	0.365
<b>Std Dev</b>	<b>11.02</b>	<b>1.000</b>
32	10.99	1.827

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
24	11.18	-1.996
<b>Std Dev</b>	<b>11.13</b>	<b>-1.000</b>
23	11.12	-0.741
31	11.12	-0.741
23	11.12	-0.627
34	11.11	-0.513
<b>Median</b>	<b>11.09</b>	<b>0.000</b>
61	11.07	0.513
32	11.06	0.627
24	11.06	0.627
61	11.05	0.855
<b>Std Dev</b>	<b>11.04</b>	<b>1.000</b>
32	10.99	2.224

010.60 Total Nitrogen		
Lab	Combustion	
31	11.14	-0.893
79	11.13	-0.447
14	11.13	0.000
<b>Median</b>	<b>11.13</b>	<b>0.000</b>
14	11.12	0.893
<b>Std Dev</b>	<b>11.11</b>	<b>1.000</b>

9 10.91 19.207

010.99 Total Nitrogen		
Lab	Other	
32	11.06	-1.340
<b>Std Dev</b>	<b>11.05</b>	<b>-1.000</b>
<b>Median</b>	<b>11.03</b>	<b>0.000</b>
<b>Std Dev</b>	<b>11.00</b>	<b>1.000</b>
32	10.99	1.340

010.XX Total Nitrogen		
Lab	Total Method	
31	11.14	-0.261
79	11.13	-0.196
14	11.13	-0.131
14	11.12	0.000
<b>Median</b>	<b>11.12</b>	<b>0.000</b>
32	11.06	0.719
<b>Std Dev</b>	<b>11.04</b>	<b>1.000</b>
32	10.99	1.634
9	10.91	2.680

020.20 Total Phosphate		
Lab	Spectrometric	
31	41.22	-0.792
32	41.22	-0.761
24	41.20	-0.670
23	41.17	-0.457
23	41.17	-0.457
61	41.15	-0.365
32	41.09	0.000
<b>Median</b>	<b>41.09</b>	<b>0.000</b>
34	41.08	0.061
24	40.97	0.731
79	40.95	0.883
61	40.94	0.914
<b>Std Dev</b>	<b>40.93</b>	<b>1.000</b>
14	40.77	1.980
14	40.76	2.010

020.40 Total Phosphate		
Lab	Automated	
9	40.80	0.000
<b>Median</b>	<b>40.80</b>	<b>0.000</b>

020.XX Total Phosphate		
Lab	Total Method	
31	41.22	-0.808
32	41.22	-0.779
24	41.20	-0.689
23	41.17	-0.479
23	41.17	-0.479
61	41.15	-0.389
32	41.09	-0.030
<b>Median</b>	<b>41.09</b>	<b>0.000</b>
34	41.08	0.030
24	40.97	0.689
79	40.95	0.838
61	40.94	0.868
<b>Std Dev</b>	<b>40.92</b>	<b>1.000</b>
9	40.80	1.737
14	40.77	1.916
14	40.76	1.946

030.20 Insoluble Phosphate		
Lab	Spectrometric	
14	0.43	-1.697
61	0.41	-1.340
14	0.40	-1.161
<b>Std Dev</b>	<b>0.39</b>	<b>-1.000</b>
24	0.35	-0.268
61	0.34	0.000
<b>Median</b>	<b>0.34</b>	<b>0.000</b>
23	0.34	0.000
24	0.33	0.179
23	0.32	0.357
<b>Std Dev</b>	<b>0.28</b>	<b>1.000</b>
79	0.25	1.608

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.25	0.000
<b>Median</b>	<b>0.25</b>	<b>0.000</b>

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.35	0.000
<b>Median</b>	<b>0.35</b>	<b>0.000</b>

030.50 Insoluble Phosphate		
Lab	ICP	
9	0.36	0.000
<b>Median</b>	<b>0.36</b>	<b>0.000</b>

030.99 Insoluble Phosphate		
Lab	Other	
32	0.63	-1.340
<b>Std Dev</b>	<b>0.60</b>	<b>-1.000</b>
<b>Median</b>	<b>0.50</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.39</b>	<b>1.000</b>
32	0.36	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
32	0.63	-6.003
14	0.43	-1.715
61	0.41	-1.286
14	0.40	-1.072
<b>Std Dev</b>	<b>0.40</b>	<b>-1.000</b>
9	0.36	-0.214
32	0.36	-0.214
24	0.35	0.000
34	0.35	0.000
<b>Median</b>	<b>0.35</b>	<b>0.000</b>
61	0.34	0.322
23	0.34	0.322
24	0.33	0.536
23	0.32	0.750
<b>Std Dev</b>	<b>0.30</b>	<b>1.000</b>
31	0.25	2.251
79	0.25	2.251

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
31	40.98	-1.446
24	40.94	-1.248
<b>Std Dev</b>	<b>40.90</b>	<b>-1.000</b>
23	40.85	-0.737
23	40.83	-0.624
61	40.74	-0.113
<b>Median</b>	<b>40.72</b>	<b>0.000</b>
79	40.70	0.113

24	40.62	0.567
61	40.61	0.652
Std Dev	40.54	1.000
14	40.37	2.014
14	40.33	2.212

040.40 Indirect Available Phosphate		
Lab	Automated	
9	40.49	0.000
Median	40.49	0.000

040.99 Indirect Available Phosphate		
Lab	Other	
34	40.73	0.000
Median	40.73	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	
31	40.98	-1.340
24	40.94	-1.160
Std Dev	40.91	-1.000
23	40.85	-0.696
23	40.83	-0.593
61	40.74	-0.129
34	40.73	-0.077
Median	40.72	0.000
79	40.70	0.077
24	40.62	0.490
61	40.61	0.567
Std Dev	40.52	1.000
9	40.49	1.185
14	40.37	1.804
14	40.33	1.984

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
23	35.82	-1.773
23	35.79	-1.716
31	35.45	-1.067
Std Dev	35.41	-1.000
79	35.37	-0.917
14	34.89	-0.024
Median	34.88	0.000
14	34.87	0.024

24	34.80	0.155
61	34.69	0.362
61	34.62	0.494
24	34.48	0.748

048.99 Water Soluble Phosphate		
Lab	Other	
32	35.37	-2.106
Std Dev	35.20	-1.000
32	35.04	0.000
Median	35.04	0.000
34	34.95	0.574

048.XX Water Soluble Phosphate		
Lab	Total Method	
23	35.82	-2.027
23	35.79	-1.958
31	35.45	-1.154
Std Dev	35.38	-1.000
32	35.37	-0.979
79	35.37	-0.967
32	35.04	-0.210
34	34.95	0.000
Median	34.95	0.000
14	34.89	0.140
14	34.87	0.198
24	34.80	0.361
61	34.69	0.618
61	34.62	0.781
Std Dev	34.52	1.000
24	34.48	1.095

050.50 %K <sub>2</sub> O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.23	0.000
23	0.23	0.000
Median	0.23	0.000

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O	Other
61	0.27	-1.474
Std Dev	0.26	-1.000
24	0.25	-0.402
Median	0.24	0.000

61	0.23	0.402
Std Dev	0.22	1.000
24	0.21	1.474

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
61	0.27	-4.169
24	0.25	-1.787
Std Dev	0.24	-1.000
23	0.23	0.000
23	0.23	0.000
61	0.23	0.000
Median	0.23	0.000
Std Dev	0.22	1.000
24	0.21	2.382

060.00 Free Water		
Lab	Vacuum Oven	
31	2.80	-2.540
79	2.73	-1.888
24	2.70	-1.561
Std Dev	2.63	-1.000
32	2.59	-0.583
24	2.57	-0.350
14	2.53	-0.023
Median	2.53	0.000
14	2.53	0.023
32	2.50	0.256
23	2.48	0.443
34	2.45	0.722
Std Dev	2.42	1.000
23	2.36	1.608
9	1.58	8.879

060.10 Free Water		
Lab	Vacuum Desiccate	
61	2.47	-1.340
Std Dev	2.45	-1.000
Median	2.39	0.000
Std Dev	2.33	1.000
61	2.32	1.340

060.XX Free Water		
Lab	Total Method	

31	2.80	-2.963
79	2.73	-2.242
24	2.70	-1.881
Std Dev	2.61	-1.000
32	2.59	-0.799
24	2.57	-0.541
14	2.53	-0.180
14	2.53	-0.129
Median	2.51	0.000
32	2.50	0.129
23	2.48	0.335
61	2.47	0.490
34	2.45	0.644
Std Dev	2.42	1.000
23	2.36	1.623
61	2.32	2.036
9	1.58	9.663

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
31	0.67	-3.127
61	0.65	-2.680
61	0.64	-2.233
34	0.60	-1.191
Std Dev	0.59	-1.000
24	0.58	-0.447
24	0.57	-0.149
23	0.56	0.000
23	0.56	0.000
Median	0.56	0.000
9	0.56	0.149
14	0.56	0.149
14	0.56	0.149
Std Dev	0.53	1.000
32	0.52	1.191
32	0.48	2.382

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
31	0.67	-3.127
61	0.65	-2.680
61	0.64	-2.233
34	0.60	-1.191
Std Dev	0.59	-1.000

24	0.58	-0.447
24	0.57	-0.149
23	0.56	0.000
23	0.56	0.000
Median	0.56	0.000
9	0.56	0.149
14	0.56	0.149
14	0.56	0.149
Std Dev	0.53	1.000
32	0.52	1.191
32	0.48	2.382

121.30	Acid Soluble Magnesium	
Lab	%MgO	ICP

23	1.18	-1.117
23	1.17	-1.005
Std Dev	1.17	-1.000
24	1.16	-0.670
34	1.15	-0.558
61	1.14	-0.335
24	1.13	0.000
61	1.13	0.000
Median	1.13	0.000

14	1.11	0.447
14	1.11	0.447
9	1.09	0.782
Std Dev	1.08	1.000
31	1.06	1.452
32	1.06	1.452
32	0.97	3.573

121.XX	Acid Soluble Magnesium	
Lab	%MgO	Total Method

23	1.18	-1.117
23	1.17	-1.005
Std Dev	1.17	-1.000
24	1.16	-0.670
34	1.15	-0.558
61	1.14	-0.335
24	1.13	0.000
61	1.13	0.000
Median	1.13	0.000
14	1.11	0.447
14	1.11	0.447

9	1.09	0.782
Std Dev	1.08	1.000
31	1.06	1.452
32	1.06	1.452
32	0.97	3.573

144.01	Sulfate Sulfur (S)	
Lab	Gravimetric	

61	3.81	-1.340
Std Dev	3.80	-1.000
Median	3.80	0.000
Std Dev	3.80	1.000
61	3.80	1.340

144.70	Sulfur	
Lab	Spectrometric	

14	0.97	-1.340
Std Dev	0.97	-1.000
Median	0.97	0.000
Std Dev	0.96	1.000
14	0.96	1.340

144.99	Sulfate Sulfur (S)	
Lab	Other	

24	3.94	-1.526
Std Dev	3.86	-1.000
23	3.79	-0.447
23	3.79	-0.447
24	3.73	0.000
34	3.73	0.000
Median	3.73	0.000
9	3.69	0.335
32	3.61	0.893
Std Dev	3.60	1.000
31	3.59	1.042
32	3.09	4.764

144.XX	Sulfate Sulfur (S)	
Lab	Total Method	

24	3.94	-1.374
Std Dev	3.88	-1.000
61	3.81	-0.502
61	3.80	-0.469
23	3.79	-0.402

23	3.79	-0.402
24	3.73	0.000
34	3.73	0.000
Median	3.73	0.000
9	3.69	0.301
32	3.61	0.804
31	3.59	0.938
Std Dev	3.58	1.000
32	3.09	4.288
14	0.97	18.492
14	0.96	18.559

145.99	Total Sulfur (S)	
Lab	Other	

34	11.41	-1.288
Std Dev	11.38	-1.000
23	11.34	-0.515
23	11.32	-0.361
Median	11.29	0.000
9	11.25	0.361
Std Dev	11.19	1.000
32	11.19	1.031
32	11.18	1.134

145.XX	Total Sulfur (S)	
Lab	Total Method	

34	11.41	-1.288
Std Dev	11.38	-1.000
23	11.34	-0.515
23	11.32	-0.361
Median	11.29	0.000
9	11.25	0.361
Std Dev	11.19	1.000
32	11.19	1.031
32	11.18	1.134

151.30	Total Arsenic	
Lab	ICP	

31	13.65	-0.698
24	13.00	-0.525
Median	11.03	0.000
9	9.05	0.525
Std Dev	7.27	1.000
61	5.35	1.510

151.XX	Total Arsenic	
Lab	Total Method	

31	13.65	-0.698
24	13.00	-0.525
Median	11.03	0.000
9	9.05	0.525
Std Dev	7.27	1.000
61	5.35	1.510

165.99	Acid Soluble Boron	
Lab	PPM	Other

24	37.60	0.000
Median	37.60	0.000

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

24	37.60	0.000
Median	37.60	0.000

181.30	Total Cadmium	
Lab	PPM	ICP

9	3.38	-1.086
Std Dev	3.35	-1.000
61	3.00	0.000
Median	3.00	0.000
Std Dev	2.65	1.000
61	2.45	1.594

181.99	Total Cadmium	
Lab	Other	

24	3.15	0.000
Median	3.15	0.000

181.XX	Total Cadmium	
Lab	PPM	Total Method

9	3.38	-1.169
Std Dev	3.33	-1.000
24	3.15	-0.292
Median	3.08	0.000
61	3.00	0.292
Std Dev	2.82	1.000
61	2.45	2.436

190.00 Lab	%Al <sub>2</sub> O <sub>3</sub>	Aluminum ICP
14	1.38	-1.531
14	1.37	-1.313
61	1.36	-1.094
Std Dev	1.36	-1.000
9	1.35	-0.766
23	1.32	-0.219
23	1.32	-0.219
Median	1.31	0.000
24	1.30	0.219
32	1.30	0.328
61	1.29	0.438
34	1.28	0.656
Std Dev	1.26	1.000
24	1.26	1.094
32	1.18	2.844

190.99 Lab	%Al <sub>2</sub> O <sub>3</sub>	Aluminum Atomic Absorption
31	1.36	0.000
Median	1.36	0.000

190.XX Lab	%Al <sub>2</sub> O <sub>3</sub>	Aluminum Total Method
14	1.38	-1.149
Std Dev	1.37	-1.000
14	1.37	-0.957
31	1.36	-0.766
61	1.36	-0.766
9	1.35	-0.479
23	1.32	0.000
23	1.32	0.000
Median	1.32	0.000
24	1.30	0.383
32	1.30	0.479
61	1.29	0.574
34	1.28	0.766
Std Dev	1.27	1.000
24	1.26	1.149
32	1.18	2.680

191.30 Lab	Total Chromium ICP
9	131.00
31	129.60
Median	129.55
61	129.50
Std Dev	128.47
61	125.50

191.99 Lab	PPM	Total Chromium Other
24	132.00	0.000
Median	132.00	0.000

191.XX Lab	PPM	Total Chromium Total Method
24	132.00	-2.144
9	131.00	-1.251
Std Dev	130.72	-1.000
31	129.60	0.000
Median	129.60	0.000
61	129.50	0.089
Std Dev	128.48	1.000
61	125.50	3.663

202.30 Lab	PPM	Acid Soluble Cobalt ICP
9	4.60	-2.680
Std Dev	4.22	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

202.99 Lab	PPM	Acid Soluble Cobalt Other
24	4.11	0.000
Median	4.11	0.000

202.XX Lab	PPM	Acid Soluble Cobalt Total Method
9	4.60	-3.141
Std Dev	4.23	-1.000
24	4.11	-0.317
Median	4.06	0.000
61	4.00	0.317

221.30 Lab	PPM	Acid Soluble Copper ICP
61	8.50	-2.596
Std Dev	7.55	-1.000
9	6.95	0.000
Median	6.95	0.000
61	6.90	0.084

221.99 Lab	PPM	Acid Soluble Copper Other
24	6.41	0.000
Median	6.41	0.000

221.XX Lab	PPM	Acid Soluble Copper Total Method
61	8.50	-3.769
Std Dev	7.34	-1.000
9	6.95	-0.060
Median	6.93	0.000
61	6.90	0.060
Std Dev	6.51	1.000
24	6.41	1.232

241.30 Lab	%Fe <sub>2</sub> O <sub>3</sub>	Acid Soluble Iron ICP
32	2.76	-1.218
Std Dev	2.75	-1.000
34	2.75	-0.975
61	2.74	-0.731
23	2.73	-0.365
31	2.73	-0.365
23	2.72	-0.122
24	2.71	0.000
Median	2.71	0.000
14	2.71	0.122
24	2.68	0.731
14	2.67	0.975
Std Dev	2.67	1.000
61	2.64	1.827
9	2.62	2.193
32	2.55	4.020

241.XX Lab	%Fe <sub>2</sub> O <sub>3</sub>	Acid Soluble Iron Total Method
32	2.76	-1.218
Std Dev	2.75	-1.000
34	2.75	-0.975
61	2.74	-0.731
23	2.73	-0.365
31	2.73	-0.365
23	2.72	-0.122
24	2.71	0.000
Median	2.71	0.000
14	2.71	0.122
24	2.68	0.731
14	2.67	0.975
Std Dev	2.67	1.000
61	2.64	1.827
9	2.62	2.193
32	2.55	4.020

251.30 Lab	PPM	Total Lead ICP
61	4.10	-0.335
61	4.05	0.000
Median	4.05	0.000
Std Dev	3.90	1.000
9	3.70	2.345

251.99 Lab	PPM	Total Lead Other
24	2.55	0.000
Median	2.55	0.000

251.XX Lab	PPM	Total Lead Total Method
61	4.10	-0.464
61	4.05	-0.361
Median	3.88	0.000
9	3.70	0.361
Std Dev	3.39	1.000
24	2.55	2.732

261.30 Lab	PPM	Acid Soluble Manganese ICP
9	178.25	-1.340

Std Dev	177.64	-1.000
Median	175.85	0.000
Std Dev	174.06	1.000
31	173.45	1.340

261.99	Acid Soluble Manganese	
Lab	PPM	Other
24	184.00	-1.949
Std Dev	178.16	-1.000
61	172.00	0.000
Median	172.00	0.000
61	167.50	0.731

261.XX	Acid Soluble Manganese	
Lab	PPM	Total Method
24	184.00	-2.262
9	178.25	-1.029
Std Dev	178.11	-1.000
31	173.45	0.000
Median	173.45	0.000
61	172.00	0.311
Std Dev	168.79	1.000
61	167.50	1.276

281.30	Total Mercury	
Lab	PPM	ICP
24	<0.09	0.000
Median	0.00	0.000

281.XX	Total Mercury	
Lab	PPM	Total Method
24	<0.09	0.000
Median	0.00	0.000

289.30	Total Molybdenum	
Lab	PPM	ICP
9		

289.99	Total Molybdenum	
Lab	PPM	Other
24	8.79	0.000
Median	8.79	0.000

289.XX	Total Molybdenum	
Lab	PPM	Total Method

24	8.79	-0.679
9	8.75	-0.663
Median	7.18	0.000
61	5.60	0.663
61	5.50	0.705

291.30	Total Nickel	
Lab	PPM	ICP
9	16.55	-1.404
Std Dev	16.39	-1.000
61	16.00	0.000
Median	16.00	0.000
Std Dev	15.61	1.000
61	15.50	1.276

291.99	Total Nickel	
Lab	PPM	Other
24	17.90	0.000
Median	17.90	0.000

291.XX	Total Nickel	
Lab	PPM	Total Method
24	17.90	-2.151
Std Dev	17.03	-1.000
9	16.55	-0.364
Median	16.28	0.000
61	16.00	0.364
Std Dev	15.52	1.000
61	15.50	1.026

301.30	Total Selenium	
Lab	PPM	ICP
61	<1.1	0.000
61	<1.1	0.000
24	0.38	0.000
Median	0.38	0.000

301.XX	Total Selenium	
Lab	PPM	Total Method
61	<1.1	0.000
61	<1.1	0.000
24	0.38	0.000
Median	0.38	0.000

311.00	Sodium	
Lab	%Na <sub>2</sub> O	Atomic Absorbtion
61	0.21	0.000
Median	0.21	0.000

311.99	Sodium	
Lab	%Na <sub>2</sub> O	Other
24	0.28	-7.370
Std Dev	0.23	-1.000
23	0.23	-0.670
23	0.23	0.000
Median	0.23	0.000
24	0.22	0.670
Std Dev	0.22	1.000
61	0.19	4.690

311.XX	Sodium	
Lab	%Na <sub>2</sub> O	Total Method
24	0.28	-3.853
Std Dev	0.24	-1.000
23	0.23	-0.503
23	0.23	-0.168
Median	0.22	0.000
24	0.22	0.168
Std Dev	0.21	1.000
61	0.21	1.173
61	0.19	2.178

321.30	Acid Soluble Zinc	
Lab	PPM	ICP
61	40.00	-2.680
Std Dev	34.99	-1.000
9	32.00	0.000
61	32.00	0.000
Median	32.00	0.000

321.XX	Acid Soluble Zinc	
Lab	PPM	Total Method
61	40.00	-2.680
Std Dev	34.99	-1.000
9	32.00	0.000
61	32.00	0.000
Median	32.00	0.000

325.10	Fluoride	
Lab	%	Electrode
31	1.85	-0.480
9	1.83	-0.360
34	1.83	-0.360
23	1.82	-0.240
23	1.81	-0.160
32	1.79	0.000
Median	1.79	0.000
32	1.68	0.840
24	1.66	1.000
24	1.65	1.080
14	1.30	3.880
14	1.30	3.880

325.99	Fluoride	
Lab	%	Other
61	1.97	-1.340
Median	1.96	0.000
61	1.95	1.340

325.XX	Fluoride	
Lab	%	Total Method
61	1.97	-1.261
61	1.95	-1.143
31	1.85	-0.315
9	1.83	-0.197
34	1.83	-0.197
23	1.82	-0.079
23	1.81	0.000
Median	1.81	0.000
32	1.79	0.158
32	1.68	0.985
24	1.66	1.143
24	1.65	1.222
14	1.30	3.981
14	1.30	3.981