

001.10 Ammoniacal Nitrogen		
Lab		MgO distillation
31	11.26	0.000
<b>Median</b>	<b>11.26</b>	<b>0.000</b>

001.99 Ammoniacal Nitrogen		
Lab		Other
61	11.31	-1.277
<b>Std Dev</b>	<b>11.28</b>	<b>-1.000</b>
61	11.27	-0.927
34	11.26	-0.827
79	11.20	-0.225
<b>Median</b>	<b>11.18</b>	<b>0.000</b>
23	11.16	0.225
24	11.13	0.476
23	11.13	0.526
<b>Std Dev</b>	<b>11.08</b>	<b>1.000</b>
24	11.06	1.227

001.XX Ammoniacal Nitrogen		
Lab		Total Method
61	11.31	-1.082
<b>Std Dev</b>	<b>11.30</b>	<b>-1.000</b>
61	11.27	-0.722
34	11.26	-0.618
31	11.26	-0.567
79	11.20	0.000
<b>Median</b>	<b>11.20</b>	<b>0.000</b>
23	11.16	0.464
24	11.13	0.722
23	11.13	0.773
<b>Std Dev</b>	<b>11.10</b>	<b>1.000</b>
24	11.06	1.495

010.60 Total Nitrogen		
Lab		Combustion
9	11.38	-1.340
31	11.38	-1.340
<b>Std Dev</b>	<b>11.32</b>	<b>-1.000</b>
79	11.30	-0.853
14	11.16	0.000
<b>Median</b>	<b>11.16</b>	<b>0.000</b>
14	11.15	0.061
24	11.09	0.426

24 11.09 0.426

010.XX Total Nitrogen		
Lab		Total Method
9	11.38	-1.340
31	11.38	-1.340
<b>Std Dev</b>	<b>11.32</b>	<b>-1.000</b>
79	11.30	-0.853
14	11.16	0.000
<b>Median</b>	<b>11.16</b>	<b>0.000</b>
14	11.15	0.061
24	11.09	0.426
24	11.09	0.426

020.20 Total Phosphate		
Lab		Spectrometric
31	53.37	-1.601
14	53.26	-1.112
14	53.26	-1.112
<b>Std Dev</b>	<b>53.23</b>	<b>-1.000</b>
34	53.14	-0.600
23	53.07	-0.267
24	53.02	-0.067
<b>Median</b>	<b>53.01</b>	<b>0.000</b>
23	52.99	0.067
79	52.97	0.178
61	52.87	0.600
9	52.86	0.645
61	52.84	0.734
24	52.82	0.845

020.XX Total Phosphate		
Lab		Total Method
31	53.37	-1.601
14	53.26	-1.112
14	53.26	-1.112
<b>Std Dev</b>	<b>53.23</b>	<b>-1.000</b>
34	53.14	-0.600
23	53.07	-0.267
24	53.02	-0.067
<b>Median</b>	<b>53.01</b>	<b>0.000</b>
23	52.99	0.067
79	52.97	0.178
61	52.87	0.600

9 52.86 0.645  
61 52.84 0.734  
24 52.82 0.845

030.20 Insoluble Phosphate		
Lab		Spectrometric
61	0.26	-2.103
61	0.25	-1.938
<b>Std Dev</b>	<b>0.19</b>	<b>-1.000</b>
14	0.19	-0.948
14	0.17	-0.701
9	0.15	-0.289
<b>Median</b>	<b>0.13</b>	<b>0.000</b>
24	0.11	0.289
23	0.10	0.454
24	0.10	0.454
23	0.10	0.536
79	0.07	0.948

030.30 Insoluble Phosphate		
Lab		Alka. Quimociac
31	0.14	0.000
<b>Median</b>	<b>0.14</b>	<b>0.000</b>

030.40 Insoluble Phosphate		
Lab		Automated
34	0.14	0.000
<b>Median</b>	<b>0.14</b>	<b>0.000</b>

030.XX Insoluble Phosphate		
Lab		Total Method
61	0.26	-2.135
61	0.25	-1.953
<b>Std Dev</b>	<b>0.19</b>	<b>-1.000</b>
14	0.19	-0.863
14	0.17	-0.591
9	0.15	-0.136
34	0.14	-0.045
<b>Median</b>	<b>0.14</b>	<b>0.000</b>
31	0.14	0.045
24	0.11	0.500
23	0.10	0.681
24	0.10	0.681
23	0.10	0.772

**Std Dev** 0.08 1.000  
79 0.07 1.226

040.20 Indirect Available Phosphate		
Lab		Spectrometric
31	53.23	-1.436
<b>Std Dev</b>	<b>53.13</b>	<b>-1.000</b>
14	53.09	-0.815
14	53.07	-0.750
23	52.97	-0.322
24	52.91	-0.064
79	52.90	0.000
<b>Median</b>	<b>52.90</b>	<b>0.000</b>
23	52.89	0.021
24	52.72	0.772
9	52.70	0.836
<b>Std Dev</b>	<b>52.66</b>	<b>1.000</b>
61	52.62	1.201
61	52.60	1.286

040.99 Indirect Available Phosphate		
Lab		Other
34	53.00	0.000
<b>Median</b>	<b>53.00</b>	<b>0.000</b>

040.XX Indirect Available Phosphate		
Lab		Total Method
31	53.23	-1.433
<b>Std Dev</b>	<b>53.13</b>	<b>-1.000</b>
14	53.09	-0.799
14	53.07	-0.733
34	53.00	-0.427
23	52.97	-0.295
24	52.91	-0.033
<b>Median</b>	<b>52.90</b>	<b>0.000</b>
79	52.90	0.033
23	52.89	0.055
24	52.72	0.820
9	52.70	0.886
<b>Std Dev</b>	<b>52.67</b>	<b>1.000</b>
61	52.62	1.258
61	52.60	1.345

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
31	48.36	-1.715
79	48.26	-1.457
23	48.12	-1.113
Std Dev	48.07	-1.000
23	48.05	-0.940
61	47.71	-0.104
Median	47.66	0.000
61	47.62	0.104
14	47.56	0.252
24	47.55	0.277
24	47.53	0.338
14	47.50	0.400

048.99 Water Soluble Phosphate		
Lab	Other	
34	47.98	0.000
Median	47.98	0.000

048.XX Water Soluble Phosphate		
Lab	Total Method	
31	48.36	-1.672
79	48.26	-1.404
23	48.12	-1.046
Std Dev	48.10	-1.000
23	48.05	-0.868
34	47.98	-0.702
61	47.71	0.000
Median	47.71	0.000
61	47.62	0.217
14	47.56	0.370
24	47.55	0.396
24	47.53	0.459
14	47.50	0.523

050.50 %K <sub>2</sub> O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.11	-1.340
Std Dev	0.10	-1.000
Median	0.10	0.000
Std Dev	0.10	1.000
23	0.10	1.340

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O	Other
61	0.12	-0.618
61	0.12	-0.618
Median	0.11	0.000
24	0.11	0.618
Std Dev	0.10	1.000
24	0.10	1.031

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
61	0.12	-1.340
61	0.12	-1.340
Std Dev	0.12	-1.000
23	0.11	0.000
24	0.11	0.000
Median	0.11	0.000
23	0.10	0.447
24	0.10	0.447

060.00 Free Water		
Lab	Vacuum Oven	
24	2.51	-4.622
24	2.42	-3.224
Std Dev	2.27	-1.000
79	2.27	-0.893
23	2.25	-0.583
9	2.22	-0.117
Median	2.21	0.000
14	2.20	0.117
23	2.20	0.117
14	2.17	0.660
34	2.16	0.738
Std Dev	2.14	1.000
31	2.09	1.903

060.10 Free Water		
Lab	Vacuum Desiccate	
61	2.31	-1.340
Std Dev	2.30	-1.000
Median	2.28	0.000
Std Dev	2.26	1.000
61	2.26	1.340

060.XX Free Water		
Lab	Total Method	
24	2.51	-4.400
24	2.42	-2.960
61	2.31	-1.200
Std Dev	2.29	-1.000
79	2.27	-0.560
61	2.26	-0.400
23	2.25	-0.240
Median	2.23	0.000
9	2.22	0.240
14	2.20	0.480
23	2.20	0.480
Std Dev	2.17	1.000
14	2.17	1.040
34	2.16	1.120
31	2.09	2.320

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
61	0.64	-5.658
61	0.60	-3.573
34	0.56	-1.191
Std Dev	0.56	-1.000
23	0.54	0.000
23	0.54	0.000
31	0.54	0.000
Median	0.54	0.000
14	0.53	0.596
14	0.53	0.596
9	0.53	0.893
Std Dev	0.52	1.000
24	0.50	2.382
24	0.48	3.573

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
61	0.64	-5.658
61	0.60	-3.573
34	0.56	-1.191
Std Dev	0.56	-1.000
23	0.54	0.000
23	0.54	0.000
31	0.54	0.000

Median 0.54 0.000		
Lab	%MgO	ICP
14	0.53	0.596
14	0.53	0.596
9	0.53	0.893
Std Dev	0.52	1.000
24	0.50	2.382
24	0.48	3.573

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
23	1.00	-1.705
23	1.00	-1.705
34	0.99	-1.218
Std Dev	0.99	-1.000
61	0.98	-0.731
61	0.97	-0.244
9	0.97	0.000
24	0.97	0.000
Median	0.97	0.000
14	0.96	0.244
14	0.96	0.487
24	0.96	0.487
Std Dev	0.94	1.000
31	0.93	1.705

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
23	1.00	-1.705
23	1.00	-1.705
34	0.99	-1.218
Std Dev	0.99	-1.000
61	0.98	-0.731
61	0.97	-0.244
9	0.97	0.000
24	0.97	0.000
Median	0.97	0.000
14	0.96	0.244
14	0.96	0.487
24	0.96	0.487
Std Dev	0.94	1.000
31	0.93	1.705

144.01 Sulfate Sulfur (S)		
Lab	Gravimetric	

61	1.37	-1.340
Std Dev	1.37	-1.000
Median	1.37	0.000
Std Dev	1.36	1.000
61	1.36	1.340

144.70 Sulfur Spectrometric		
Lab		
14	1.39	-1.340
Std Dev	1.39	-1.000
Median	1.39	0.000
Std Dev	1.38	1.000
14	1.38	1.340

144.99 Sulfate Sulfur (S) Other		
Lab		
23	1.41	-0.771
34	1.39	-0.308
9	1.39	-0.214
23	1.38	0.000
Median	1.38	0.000
24	1.36	0.771
Std Dev	1.35	1.000
24	1.34	1.387
31	1.29	2.928

144.XX Sulfate Sulfur (S) Total Method		
Lab		
23	1.41	-1.082
Std Dev	1.40	-1.000
14	1.39	-0.433
34	1.39	-0.433
9	1.39	-0.300
14	1.38	0.000
23	1.38	0.000
Median	1.38	0.000
61	1.37	0.433
61	1.36	0.865
Std Dev	1.36	1.000
24	1.36	1.082
24	1.34	1.947
31	1.29	4.110

145.99 Total Sulfur (S) Other		
Lab		
9	21.00	0.000
Median	21.00	0.000

145.XX Total Sulfur (S) Total Method		
Lab		
9	21.00	0.000
Median	21.00	0.000

181.30 Total Cadmium ICP		
Lab	PPM	
9	149.00	-2.297
Std Dev	147.31	-1.000
61	146.00	0.000
Median	146.00	0.000
61	145.50	0.383

181.XX Total Cadmium Total Method		
Lab	PPM	
9	149.00	-2.297
Std Dev	147.31	-1.000
61	146.00	0.000
Median	146.00	0.000
61	145.50	0.383

190.00 Aluminum ICP		
Lab	%Al <sub>2</sub> O <sub>3</sub>	
14	1.80	-2.474
14	1.79	-2.062
9	1.77	-1.237
Std Dev	1.76	-1.000
61	1.75	-0.412
23	1.74	0.000
23	1.74	0.000
61	1.74	0.000
Median	1.74	0.000
34	1.73	0.412
Std Dev	1.72	1.000
24	1.63	4.535
24	1.60	5.772

190.99 Aluminum Atomic Absorption		
Lab	%Al <sub>2</sub> O <sub>3</sub>	
9	4.10	-2.680
Std Dev	4.04	-1.000

31	1.69	0.000
Median	1.69	0.000

190.XX Aluminum Total Method		
Lab	%Al <sub>2</sub> O <sub>3</sub>	
14	1.80	-1.608
14	1.79	-1.340
Std Dev	1.78	-1.000
9	1.77	-0.804
61	1.75	-0.268
23	1.74	0.000
23	1.74	0.000
61	1.74	0.000
Median	1.74	0.000
34	1.73	0.268
Std Dev	1.70	1.000
31	1.69	1.340
24	1.63	2.948
24	1.60	3.752

191.30 Total Chromium ICP		
Lab		
31	580.50	-1.906
Std Dev	576.70	-1.000
61	572.50	0.000
61	572.50	0.000
61	572.50	0.000
Median	572.50	0.000
Std Dev	568.30	1.000
9	558.00	3.454

191.XX Total Chromium Total Method		
Lab	PPM	
31	580.50	-1.906
Std Dev	576.70	-1.000
61	572.50	0.000
61	572.50	0.000
61	572.50	0.000
Median	572.50	0.000
Std Dev	568.30	1.000
9	558.00	3.454

202.30 Acid Soluble Cobalt ICP		
Lab	PPM	
9	4.10	-2.680
Std Dev	4.04	-1.000

61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

202.XX Acid Soluble Cobalt Total Method		
Lab	PPM	
9	4.10	-2.680
Std Dev	4.04	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

221.30 Acid Soluble Copper ICP		
Lab	PPM	
9	70.70	-2.361
Std Dev	68.57	-1.000
61	67.00	0.000
Median	67.00	0.000
61	66.50	0.319

221.XX Acid Soluble Copper Total Method		
Lab	PPM	
9	70.70	-2.361
Std Dev	68.57	-1.000
61	67.00	0.000
Median	67.00	0.000
61	66.50	0.319

241.30 Acid Soluble Iron ICP		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	
34	1.18	-1.531
Std Dev	1.17	-1.000
23	1.17	-0.957
23	1.17	-0.957
14	1.15	-0.383
14	1.14	0.000
24	1.14	0.000
Median	1.14	0.000
24	1.14	0.191
31	1.13	0.574
9	1.12	0.766
Std Dev	1.11	1.000
61	1.11	1.149
61	1.11	1.340

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
34	1.18	-1.531
Std Dev	1.17	-1.000
23	1.17	-0.957
23	1.17	-0.957
14	1.15	-0.383
14	1.14	0.000
24	1.14	0.000
Median	1.14	0.000
24	1.14	0.191
31	1.13	0.574
9	1.12	0.766
Std Dev	1.11	1.000
61	1.11	1.149
61	1.11	1.340

251.30 Total Lead		
Lab	PPM	ICP
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000

251.XX Total Lead		
Lab	PPM	Total Method
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000

261.30 Acid Soluble Manganese		
Lab	PPM	ICP
9	184.60	-1.340
Std Dev	184.40	-1.000
Median	183.80	0.000
Std Dev	183.20	1.000
31	183.00	1.340

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	177.50	0.000
61	177.50	0.000
Median	177.50	0.000

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
9	184.60	-0.988
31	183.00	-0.625
Median	180.25	0.000
61	177.50	0.625
61	177.50	0.625

289.30 Total Molybdenum		
Lab	PPM	ICP
61	13.00	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
9	14.55	-2.026
Std Dev	13.76	-1.000
61	13.00	0.000
Median	13.00	0.000
61	12.50	0.654

291.30 Total Nickel		
Lab	PPM	ICP
9	257.30	-2.228
Std Dev	249.14	-1.000
61	242.50	0.000
Median	242.50	0.000
61	239.50	0.452

291.XX Total Nickel		
Lab	PPM	Total Method
9	257.30	-2.228
Std Dev	249.14	-1.000
61	242.50	0.000
Median	242.50	0.000
61	239.50	0.452

301.30 Total Selenium		
Lab	PPM	ICP
61	<0.1	0.000
61	<0.1	0.000
Median	0.00	0.000

301.XX Total Selenium		
Lab	PPM	Total Mthod
61	<0.1	0.000

61	<0.1	0.000
Median	0.00	0.000

311.00 Sodium		
Lab	%Na <sub>2</sub> O	Atomic Absorbtion
61	0.10	0.000
Median	0.10	0.000

311.99 Sodium		
Lab	%Na <sub>2</sub> O	Other
24	0.11	-1.340
Std Dev	0.10	-1.000
61	0.10	-0.670
23	0.10	0.000
Median	0.10	0.000
23	0.09	0.670
Std Dev	0.09	1.000
24	0.09	1.340

311.XX Sodium		
Lab	%Na <sub>2</sub> O	Total Method
24	0.11	-1.149
Std Dev	0.10	-1.000
61	0.10	-0.383
61	0.10	-0.383
Median	0.10	0.000
23	0.10	0.383
Std Dev	0.09	1.000
23	0.09	1.149
24	0.09	1.914

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
9	1926.00	-2.417
Std Dev	1845.09	-1.000
61	1788.00	0.000
Median	1788.00	0.000
61	1773.00	0.263

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
9	1926.00	-2.417
Std Dev	1845.09	-1.000
61	1788.00	0.000

Median	1788.00	0.000
61	1773.00	0.263

325.10 Fluoride		
Lab	%	Electrode
24	1.42	-1.436
34	1.38	-0.670
9	1.38	-0.574
31	1.37	-0.383
23	1.35	0.000
Median	1.35	0.000
23	1.33	0.287
24	1.31	0.766
14	0.92	8.136
14	0.92	8.136

325.99 Fluoride		
Lab	%	Other
61	1.25	-1.340
Median	1.24	0.000
61	1.24	1.340

325.XX Fluoride		
Lab	%	Total Method
24	1.42	-0.928
34	1.38	-0.515
9	1.38	-0.464
31	1.37	-0.361
23	1.35	-0.155
23	1.33	0.000
Median	1.33	0.000
24	1.31	0.258
61	1.25	0.876
61	1.24	0.979
14	0.92	4.226
14	0.92	4.226