

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	12.01	0.000
<b>Median</b>	<b>12.01</b>	<b>0.000</b>

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	12.34	-14.963
24	12.03	-1.340
<b>Std Dev</b>	<b>12.02</b>	<b>-1.000</b>
34	12.01	-0.447
61	12.00	0.000
<b>Median</b>	<b>12.00</b>	<b>0.000</b>
23	12.00	0.223
24	11.99	0.670
<b>Std Dev</b>	<b>11.98</b>	<b>1.000</b>
23	11.93	3.127

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
61	12.34	-19.653
24	12.03	-1.489
<b>Std Dev</b>	<b>12.02</b>	<b>-1.000</b>
31	12.01	-0.298
34	12.01	-0.298
<b>Median</b>	<b>12.01</b>	<b>0.000</b>
61	12.00	0.298
23	12.00	0.596
<b>Std Dev</b>	<b>11.99</b>	<b>1.000</b>
24	11.99	1.191
23	11.93	4.467

010.60 Total Nitrogen		
Lab	Combustion	
31	12.02	-3.573
<b>Std Dev</b>	<b>11.99</b>	<b>-1.000</b>
9	11.99	-0.447
14	11.98	0.000
<b>Median</b>	<b>11.98</b>	<b>0.000</b>
14	11.97	0.893
<b>Std Dev</b>	<b>11.97</b>	<b>1.000</b>
79	11.86	10.720

010.XX Total Nitrogen		
Lab	Total Method	
31	12.02	-3.573
<b>Std Dev</b>	<b>11.99</b>	<b>-1.000</b>
9	11.99	-0.447
14	11.98	0.000
<b>Median</b>	<b>11.98</b>	<b>0.000</b>
14	11.97	0.893
<b>Std Dev</b>	<b>11.97</b>	<b>1.000</b>
79	11.86	10.720

020.20 Total Phosphate		
Lab	Spectrometric	
61	41.19	-3.409
61	41.07	-2.160
9	40.96	-1.015
<b>Std Dev</b>	<b>40.96</b>	<b>-1.000</b>
79	40.93	-0.703
31	40.89	-0.234
24	40.87	-0.026
<b>Median</b>	<b>40.86</b>	<b>0.000</b>
34	40.86	0.026
23	40.83	0.338
24	40.82	0.442
23	40.78	0.911
<b>Std Dev</b>	<b>40.77</b>	<b>1.000</b>
14	40.69	1.795
14	40.68	1.899

020.40 Total Phosphate		
Lab	Automated	
9	40.56	0.000
<b>Median</b>	<b>40.56</b>	<b>0.000</b>

020.XX Total Phosphate		
Lab	Total Method	
61	41.19	-2.853
61	41.07	-1.815
<b>Std Dev</b>	<b>40.98</b>	<b>-1.000</b>
9	40.96	-0.865
79	40.93	-0.605
31	40.89	-0.216
24	40.87	-0.043
34	40.86	0.000

<b>Median</b>	<b>40.86</b>	<b>0.000</b>
23	40.83	0.259
24	40.82	0.346
23	40.78	0.735
<b>Std Dev</b>	<b>40.74</b>	<b>1.000</b>
14	40.69	1.470
14	40.68	1.556
9	40.56	2.637

030.20 Insoluble Phosphate		
Lab	Spectrometric	
14	1.09	-2.899
14	1.08	-2.844
<b>Std Dev</b>	<b>0.74</b>	<b>-1.000</b>
23	0.58	-0.109
23	0.57	-0.055
79	0.56	0.000
<b>Median</b>	<b>0.56</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.38</b>	<b>1.000</b>
24	0.34	1.203
61	0.34	1.231
61	0.26	1.668
24	0.24	1.750

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.35	0.000
<b>Median</b>	<b>0.35</b>	<b>0.000</b>

030.40 Insoluble Phosphate		
Lab	Automated	
9	0.59	-1.340
<b>Std Dev</b>	<b>0.58</b>	<b>-1.000</b>
<b>Median</b>	<b>0.57</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.56</b>	<b>1.000</b>
34	0.56	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
14	1.09	-2.929
14	1.08	-2.873
<b>Std Dev</b>	<b>0.74</b>	<b>-1.000</b>
9	0.59	-0.138
23	0.58	-0.111

23	0.57	-0.055
34	0.56	0.000
79	0.56	0.000
<b>Median</b>	<b>0.56</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.38</b>	<b>1.000</b>
31	0.35	1.160
24	0.34	1.216
61	0.34	1.243
61	0.26	1.685
24	0.24	1.768

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
61	40.86	-1.549
61	40.82	-1.397
<b>Std Dev</b>	<b>40.71</b>	<b>-1.000</b>
24	40.58	-0.504
31	40.54	-0.333
24	40.53	-0.295
<b>Median</b>	<b>40.45</b>	<b>0.000</b>
79	40.37	0.295
23	40.25	0.751
23	40.21	0.922
<b>Std Dev</b>	<b>40.18</b>	<b>1.000</b>
14	39.60	3.222
14	39.60	3.222

040.40 Indirect Available Phosphate		
Lab	Automated	
9	39.97	0.000
<b>Median</b>	<b>39.97</b>	<b>0.000</b>

040.99 Indirect Available Phosphate		
Lab	Other	
34	40.35	0.000
<b>Median</b>	<b>40.35</b>	<b>0.000</b>

040.XX Indirect Available Phosphate		
Lab	Total Method	
61	40.86	-1.658
61	40.82	-1.524
<b>Std Dev</b>	<b>40.66</b>	<b>-1.000</b>
24	40.58	-0.737
31	40.54	-0.586

24	40.53	-0.553
79	40.37	-0.034
<b>Median</b>	<b>40.36</b>	<b>0.000</b>
34	40.35	0.033
23	40.25	0.368
23	40.21	0.519
<b>Std Dev</b>	<b>40.06</b>	<b>1.000</b>
9	39.97	1.306
14	39.60	2.546
14	39.60	2.546

048.20 Water Soluble Phosphate Spectrometric		
Lab		
61	35.98	-1.217
79	35.96	-1.111
<b>Std Dev</b>	<b>35.94</b>	<b>-1.000</b>
24	35.88	-0.547
61	35.87	-0.441
31	35.81	-0.053
<b>Median</b>	<b>35.80</b>	<b>0.000</b>
24	35.80	0.053
23	35.69	0.793
23	35.69	0.829
<b>Std Dev</b>	<b>35.66</b>	<b>1.000</b>
14	35.41	2.768
14	35.38	2.980

048.99 Water Soluble Phosphate Other		
Lab		
34	35.67	0.000
<b>Median</b>	<b>35.67</b>	<b>0.000</b>

048.XX Water Soluble Phosphate Total Method		
Lab		
61	35.98	-1.237
79	35.96	-1.134
<b>Std Dev</b>	<b>35.94</b>	<b>-1.000</b>
24	35.88	-0.584
61	35.87	-0.481
31	35.81	-0.103
24	35.80	0.000
<b>Median</b>	<b>35.80</b>	<b>0.000</b>
23	35.69	0.722
23	35.69	0.756

34	35.67	0.859
<b>Std Dev</b>	<b>35.65</b>	<b>1.000</b>
14	35.41	2.646
14	35.38	2.852

050.50 %K <sub>2</sub> O Soluble Potash ICP(Oxalate)		
Lab		
23	0.12	0.000
23	0.12	0.000
<b>Median</b>	<b>0.12</b>	<b>0.000</b>

050.99 %K <sub>2</sub> O Soluble Potash Other		
Lab		
61	0.13	-0.536
61	0.13	-0.536
<b>Median</b>	<b>0.13</b>	<b>0.000</b>
24	0.13	0.536
<b>Std Dev</b>	<b>0.12</b>	<b>1.000</b>
24	0.12	1.608

050.XX %K <sub>2</sub> O Soluble Potash Total Method		
Lab		
61	0.13	-1.149
61	0.13	-1.149
<b>Std Dev</b>	<b>0.13</b>	<b>-1.000</b>
24	0.13	-0.383
<b>Median</b>	<b>0.12</b>	<b>0.000</b>
23	0.12	0.383
23	0.12	0.383
24	0.12	0.383

060.00 Free Water Vacuum Oven		
Lab		
24	0.95	-1.484
79	0.93	-1.340
24	0.90	-1.053
<b>Std Dev</b>	<b>0.89</b>	<b>-1.000</b>
31	0.84	-0.479
9	0.79	0.000
23	0.79	0.000
<b>Median</b>	<b>0.79</b>	<b>0.000</b>
14	0.75	0.431
23	0.75	0.431
34	0.74	0.479

14	0.74	0.526
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060.10 Free Water Vacuum Desiccate		
Lab		
61	0.66	0.000
61	0.66	0.000
<b>Median</b>	<b>0.66</b>	<b>0.000</b>

060.XX Free Water Total Method		
Lab		
24	0.95	-2.046
79	0.93	-1.873
24	0.90	-1.527
<b>Std Dev</b>	<b>0.85</b>	<b>-1.000</b>
31	0.84	-0.836
9	0.79	-0.259
23	0.79	-0.259
<b>Median</b>	<b>0.77</b>	<b>0.000</b>
14	0.75	0.259
23	0.75	0.259
34	0.74	0.317
14	0.74	0.375
<b>Std Dev</b>	<b>0.68</b>	<b>1.000</b>
61	0.66	1.297
61	0.66	1.297

101.30 Acid Soluble Calcium ICP		
Lab	%CaO	
61	0.50	-3.092
31	0.46	-1.649
61	0.46	-1.649
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
24	0.43	-0.206
24	0.42	0.000
34	0.42	0.000
<b>Median</b>	<b>0.42</b>	<b>0.000</b>
9	0.42	0.206
23	0.41	0.412
23	0.41	0.412
14	0.41	0.412
14	0.40	0.825

101.XX Acid Soluble Calcium Total Method		
Lab	%CaO	
61	0.50	-3.092
31	0.46	-1.649
61	0.46	-1.649
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
24	0.43	-0.206
24	0.42	0.000
34	0.42	0.000
<b>Median</b>	<b>0.42</b>	<b>0.000</b>
9	0.42	0.206
23	0.41	0.412
23	0.41	0.412
14	0.41	0.412
14	0.40	0.825

61	0.50	-3.092
31	0.46	-1.649
61	0.46	-1.649
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
24	0.43	-0.206
24	0.42	0.000
34	0.42	0.000
<b>Median</b>	<b>0.42</b>	<b>0.000</b>
9	0.42	0.206
23	0.41	0.412
23	0.41	0.412
14	0.41	0.412
14	0.40	0.825

121.30 Acid Soluble Magnesium ICP		
Lab	%MgO	
34	0.76	-1.340
23	0.76	-1.173
23	0.76	-1.173
24	0.75	-1.005
24	0.75	-1.005
<b>Std Dev</b>	<b>0.75</b>	<b>-1.000</b>
14	0.72	0.000
14	0.72	0.000
<b>Median</b>	<b>0.72</b>	<b>0.000</b>
31	0.72	0.168
61	0.71	0.335
61	0.71	0.335
9	0.70	0.670

121.XX Acid Soluble Magnesium Total Method		
Lab	%MgO	
34	0.76	-1.340
23	0.76	-1.173
23	0.76	-1.173
24	0.75	-1.005
24	0.75	-1.005
<b>Std Dev</b>	<b>0.75</b>	<b>-1.000</b>
14	0.72	0.000
14	0.72	0.000
<b>Median</b>	<b>0.72</b>	<b>0.000</b>
31	0.72	0.168
61	0.71	0.335
61	0.71	0.335

9 0.70 0.670

144.99	Sulfate Sulfur (S)	
Lab	Other	

61	7.90	-23.861
61	7.50	-20.403
Std Dev	5.26	-1.000
23	5.19	-0.389
23	5.18	-0.303
34	5.14	0.000
Median	5.14	0.000
9	5.10	0.346
24	5.03	0.951
Std Dev	5.02	1.000
24	5.02	1.037
31	4.93	1.815

144.XX	Sulfate Sulfur (S)	
Lab	Total Method	

61	7.90	-23.861
61	7.50	-20.403
Std Dev	5.26	-1.000
23	5.19	-0.389
23	5.18	-0.303
34	5.14	0.000
Median	5.14	0.000
9	5.10	0.346
24	5.03	0.951
Std Dev	5.02	1.000
24	5.02	1.037
31	4.93	1.815

145.99	Total Sulfur (S)	
Lab	Other	

9	10.45	-0.395
34	10.35	-0.190
23	10.28	-0.046
Median	10.26	0.000
23	10.24	0.046
Std Dev	9.77	1.000
14	9.50	1.566
14	9.46	1.638

145.XX	Total Sulfur (S)	
Lab	Total Method	

9	10.45	-0.395
34	10.35	-0.190
23	10.28	-0.046
Median	10.26	0.000
23	10.24	0.046
Std Dev	9.77	1.000
14	9.50	1.566
14	9.46	1.638

151.30	Total Arsenic	
Lab	ICP	

61	12.10	-2.374
Std Dev	10.39	-1.000
31	9.15	0.000
Median	9.15	0.000
24	8.77	0.306

151.99	Total Arsenic	
Lab	Other	

61	9.60	0.000
Median	9.60	0.000

151.XX	Total Arsenic	
Lab	Total Method	

61	12.10	-3.121
Std Dev	10.25	-1.000
61	9.60	-0.258
Median	9.38	0.000
31	9.15	0.258
24	8.77	0.693

165.99	Acid Soluble Boron	
Lab	PPM	Other

24	48.90	0.000
Median	48.90	0.000

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

24	48.90	0.000
Median	48.90	0.000

181.30	Total Cadmium	
Lab	PPM	ICP

61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

181.99	Total Cadmium	
Lab	Other	

24	3.78	0.000
Median	3.78	0.000

181.XX	Total Cadmium	
Lab	PPM	Total Method

61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
Std Dev	3.92	1.000
24	3.78	2.680

190.00	Aluminum	
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP

14	1.62	-1.838
14	1.61	-1.531
9	1.61	-1.378
Std Dev	1.59	-1.000
24	1.57	-0.306
23	1.56	0.000
23	1.56	0.000
24	1.56	0.000
Median	1.56	0.000
34	1.55	0.306
Std Dev	1.53	1.000
61	1.52	1.225
61	1.52	1.225

190.99	Aluminum	
Lab	%Al <sub>2</sub> O <sub>3</sub>	Atomic Absorption

31	1.67	0.000
Median	1.67	0.000

190.XX	Aluminum	
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method

31	1.67	-2.680
14	1.62	-1.531

14 1.61 -1.276

9	1.61	-1.149
Std Dev	1.60	-1.000
24	1.57	-0.255
23	1.56	0.000
23	1.56	0.000
24	1.56	0.000
Median	1.56	0.000
34	1.55	0.255
Std Dev	1.52	1.000
61	1.52	1.021
61	1.52	1.021

191.30	Total Chromium	
Lab	ICP	

31	71.50	-0.893
61	70.50	0.000
Median	70.50	0.000
Std Dev	69.38	1.000
61	68.50	1.787

191.99	Total Chromium	
Lab	PPM	Other

24	66.20	0.000
Median	66.20	0.000

191.XX	Total Chromium	
Lab	PPM	Total Method

31	71.50	-0.949
61	70.50	-0.474
Median	69.50	0.000
61	68.50	0.474
Std Dev	67.39	1.000
24	66.20	1.565

202.30	Acid Soluble Cobalt	
Lab	PPM	ICP

61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000

202.99	Acid Soluble Cobalt	
Lab	Other	

24	2.86	0.000
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Median	2.86	0.000
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202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
Std Dev	2.95	1.000
24	2.86	2.680

221.30 Acid Soluble Copper		
Lab	PPM	ICP
61	5.00	-1.340
Std Dev	4.94	-1.000
Median	4.75	0.000
Std Dev	4.56	1.000
61	4.50	1.340

221.99 Acid Soluble Copper		
Lab		Other
24	2.00	0.000
Median	2.00	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
61	5.00	-0.447
61	4.50	0.000
Median	4.50	0.000
Std Dev	3.38	1.000
24	2.00	2.233

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
24	1.37	-3.505
34	1.31	-1.031
Std Dev	1.31	-1.000
14	1.30	-0.618
23	1.29	-0.206
24	1.29	-0.206
23	1.29	0.000
31	1.29	0.000
Median	1.29	0.000
14	1.27	0.618
Std Dev	1.26	1.000

61	1.26	1.237
9	1.25	1.649
61	1.24	2.062

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
24	1.37	-3.505
34	1.31	-1.031
Std Dev	1.31	-1.000
14	1.30	-0.618
23	1.29	-0.206
24	1.29	-0.206
23	1.29	0.000
31	1.29	0.000
Median	1.29	0.000
14	1.27	0.618
Std Dev	1.26	1.000
61	1.26	1.237
9	1.25	1.649
61	1.24	2.062

251.30 Total Lead		
Lab	PPM	ICP
61	<1.9	0.000
61	2.00	0.000
Median	2.00	0.000

251.99 Total Lead		
Lab		Other
24	2.66	0.000
Median	2.66	0.000

251.XX Total Lead		
Lab	PPM	Total Method
61	<1.9	0.000
24	2.66	-1.340
Std Dev	2.58	-1.000
Median	2.33	0.000
Std Dev	2.08	1.000
61	2.00	1.340

261.30 Acid Soluble Manganese		
Lab		ICP
31	294.50	0.000

Median	294.50	0.000
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261.99 Acid Soluble Manganese		
Lab	PPM	Other
24	279.00	-1.855
Std Dev	276.93	-1.000
61	274.50	0.000
Median	274.50	0.000
61	272.50	0.825

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
31	294.50	-2.680
Std Dev	283.37	-1.000
24	279.00	-0.340
Median	276.75	0.000
61	274.50	0.340
61	272.50	0.642

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

281.XX Total Mercury		
Lab	PPM	Total Method
24	<0.07	0.000
Median	0.00	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP
61		

289.99 Total Molybdenum		
Lab	PPM	Other
24	11.90	0.000
Median	11.90	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
61	12.50	-1.608
Std Dev	12.27	-1.000
24	11.90	0.000
Median	11.90	0.000
Std Dev	11.53	1.000

61	11.50	1.072
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291.30 Total Nickel		
Lab		ICP
61	14.50	-1.340
Std Dev	14.37	-1.000
Median	14.00	0.000
Std Dev	13.63	1.000
61	13.50	1.340

291.99 Total Nickel		
Lab	PPM	Other
24	14.60	0.000
Median	14.60	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
24	14.60	-0.244
61	14.50	0.000
Median	14.50	0.000
Std Dev	14.09	1.000
61	13.50	2.436

301.30 Total Selenium		
Lab	PPM	ICP
61	<1.1	0.000
61	<1.1	0.000
24	0.78	0.000
Median	0.78	0.000

301.XX Total Selenium		
Lab	PPM	Total Method
61	<1.1	0.000
61	<1.1	0.000
24	0.78	0.000
Median	0.78	0.000

311.00 Sodium		
Lab	%Na <sub>2</sub> O	Atomic Absorbion
61	0.19	0.000
Median	0.19	0.000

311.99 Sodium		
Lab	%Na <sub>2</sub> O	Other
61	0.19	0.000

61	0.20	-2.680
23	0.20	-1.340
Std Dev	0.19	-1.000
23	0.19	0.000
24	0.19	0.000
24	0.19	0.000
Median	0.19	0.000

311.XX		Sodium
Lab	%Na <sub>2</sub> O	Total Method
61	0.20	-3.573
23	0.20	-1.787
Std Dev	0.19	-1.000
23	0.19	0.000
24	0.19	0.000
24	0.19	0.000
61	0.19	0.000
Median	0.19	0.000

321.30		Acid Soluble Zinc
Lab	PPM	ICP
24	1.12	-1.165
Std Dev	1.11	-1.000
23	1.08	-0.233
23	1.08	-0.117
34	1.07	0.000
Median	1.07	0.000
24	1.03	0.932
Std Dev	1.03	1.000
61	1.01	1.398
61	0.94	3.030

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
24	1.12	-1.165
Std Dev	1.11	-1.000
23	1.08	-0.233
23	1.08	-0.117
34	1.07	0.000
Median	1.07	0.000
24	1.03	0.932
Std Dev	1.03	1.000
61	1.01	1.398
61	0.94	3.030

325.10		Fluoride
Lab	%	Electrode
23	1.85	-0.975
34	1.83	-0.650
23	1.82	-0.406
9	1.81	-0.325
9	1.81	-0.325
Median	1.79	0.000
24	1.77	0.325
31	1.74	0.893
24	1.73	0.975
14	1.08	11.532
14	1.08	11.613

325.99		Fluoride
Lab	%	Other
61	1.88	-1.340
Median	1.84	0.000
61	1.80	1.340

325.XX		Fluoride
Lab	%	Total Method
61	1.88	-1.104
23	1.85	-0.709
34	1.83	-0.394
23	1.82	-0.158
9	1.81	-0.079
9	1.81	-0.079
Median	1.81	0.000
61	1.80	0.079
24	1.77	0.552
31	1.74	1.104
24	1.73	1.182
14	1.08	11.429
14	1.08	11.508