

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	11.34	0.000
<b>Median</b>	<b>11.34</b>	<b>0.000</b>

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	11.30	-1.581
24	11.29	-1.168
<b>Std Dev</b>	<b>11.28</b>	<b>-1.000</b>
61	11.27	-0.618
24	11.26	-0.344
<b>Median</b>	<b>11.24</b>	<b>0.000</b>
23	11.23	0.344
23	11.23	0.481
34	11.21	0.893
<b>Std Dev</b>	<b>11.21</b>	<b>1.000</b>
79	11.20	1.168

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
31	11.34	-1.898
61	11.30	-1.005
<b>Std Dev</b>	<b>11.30</b>	<b>-1.000</b>
24	11.29	-0.670
61	11.27	-0.223
24	11.26	0.000
<b>Median</b>	<b>11.26</b>	<b>0.000</b>
23	11.23	0.558
23	11.23	0.670
<b>Std Dev</b>	<b>11.21</b>	<b>1.000</b>
34	11.21	1.005
79	11.20	1.228

010.60 Total Nitrogen		
Lab	Combustion	
31	11.44	-1.771
<b>Std Dev</b>	<b>11.36</b>	<b>-1.000</b>
14	11.32	-0.574
14	11.31	-0.526
79	11.26	0.000
<b>Median</b>	<b>11.26</b>	<b>0.000</b>
9	11.22	0.383
<b>Std Dev</b>	<b>11.15</b>	<b>1.000</b>

24	11.13	1.196
24	11.11	1.388

010.XX Total Nitrogen		
Lab	Total Method	
31	11.44	-1.771
<b>Std Dev</b>	<b>11.36</b>	<b>-1.000</b>
14	11.32	-0.574
14	11.31	-0.526
79	11.26	0.000
<b>Median</b>	<b>11.26</b>	<b>0.000</b>
9	11.22	0.383
<b>Std Dev</b>	<b>11.15</b>	<b>1.000</b>
24	11.13	1.196
24	11.11	1.388

020.20 Total Phosphate		
Lab	Spectrometric	
9	53.29	-1.295
14	53.24	-1.114
14	53.23	-1.074
<b>Std Dev</b>	<b>53.21</b>	<b>-1.000</b>
31	53.15	-0.733
34	53.00	-0.151
23	52.99	-0.110
<b>Median</b>	<b>52.96</b>	<b>0.000</b>
23	52.94	0.110
61	52.89	0.291
24	52.84	0.492
61	52.81	0.612
24	52.75	0.853
<b>Std Dev</b>	<b>52.71</b>	<b>1.000</b>
79	52.57	1.576

020.50 Total Phosphate		
Lab	ICP	
9	53.25	0.000
<b>Median</b>	<b>53.25</b>	<b>0.000</b>

020.XX Total Phosphate		
Lab	Total Method	
9	53.29	-1.014
<b>Std Dev</b>	<b>53.28</b>	<b>-1.000</b>
9	53.25	-0.876

14	53.24	-0.859
14	53.23	-0.825
31	53.15	-0.533
34	53.00	-0.034
23	52.99	0.000
<b>Median</b>	<b>52.99</b>	<b>0.000</b>
23	52.94	0.189
61	52.89	0.344
24	52.84	0.515
61	52.81	0.618
24	52.75	0.825
<b>Std Dev</b>	<b>52.70</b>	<b>1.000</b>
79	52.57	1.443

030.20 Insoluble Phosphate		
Lab	Spectrometric	
14	0.44	-1.462
61	0.43	-1.340
14	0.42	-1.299
<b>Std Dev</b>	<b>0.38</b>	<b>-1.000</b>
61	0.29	-0.203
79	0.26	0.000
<b>Median</b>	<b>0.26</b>	<b>0.000</b>
23	0.26	0.041
23	0.26	0.041
24	0.25	0.122
24	0.25	0.122

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.11	0.000
<b>Median</b>	<b>0.11</b>	<b>0.000</b>

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.27	0.000
<b>Median</b>	<b>0.27</b>	<b>0.000</b>

030.50 Insoluble Phosphate		
Lab	ICP	
9	0.21	0.000
<b>Median</b>	<b>0.21</b>	<b>0.000</b>

030.XX Insoluble Phosphate		
Lab	Total Method	
14	0.44	-3.316
61	0.43	-3.043
14	0.42	-2.953
<b>Std Dev</b>	<b>0.31</b>	<b>-1.000</b>
61	0.29	-0.500
34	0.27	-0.227
79	0.26	-0.045
<b>Median</b>	<b>0.26</b>	<b>0.000</b>
23	0.26	0.045
23	0.26	0.045
24	0.25	0.227
24	0.25	0.227
9	0.21	0.863
<b>Std Dev</b>	<b>0.20</b>	<b>1.000</b>
31	0.11	2.771

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
31	53.04	-2.026
<b>Std Dev</b>	<b>52.84</b>	<b>-1.000</b>
14	52.81	-0.868
14	52.79	-0.768
23	52.74	-0.491
23	52.68	-0.214
<b>Median</b>	<b>52.64</b>	<b>0.000</b>
24	52.60	0.214
61	52.53	0.566
24	52.51	0.667
61	52.47	0.868
<b>Std Dev</b>	<b>52.44</b>	<b>1.000</b>
79	52.31	1.648

040.50 Indirect Available Phosphate		
Lab	ICP	
9	53.05	0.000
<b>Median</b>	<b>53.05</b>	<b>0.000</b>

040.99 Indirect Available Phosphate		
Lab	Other	
34	52.71	0.000
<b>Median</b>	<b>52.71</b>	<b>0.000</b>

040.XX Indirect Available Phosphate		
Lab	Total Method	
9	53.05	-1.730
31	53.04	-1.681
<b>Std Dev</b>	<b>52.90</b>	<b>-1.000</b>
14	52.81	-0.560
14	52.79	-0.463
23	52.74	-0.195
34	52.71	-0.073
<b>Median</b>	<b>52.70</b>	<b>0.000</b>
23	52.68	0.073
24	52.60	0.487
61	52.53	0.828
24	52.51	0.926
<b>Std Dev</b>	<b>52.49</b>	<b>1.000</b>
61	52.47	1.121
79	52.31	1.876

041.40 Direct Available Phosphate		
Lab	Automated	
14	52.78	-1.340
<b>Std Dev</b>	<b>52.77</b>	<b>-1.000</b>
<b>Median</b>	<b>52.76</b>	<b>0.000</b>
<b>Std Dev</b>	<b>52.75</b>	<b>1.000</b>
14	52.75	1.340

041.XX Direct Available Phosphate		
Lab	Total Method	
14	52.78	-1.340
<b>Std Dev</b>	<b>52.77</b>	<b>-1.000</b>
<b>Median</b>	<b>52.76</b>	<b>0.000</b>
<b>Std Dev</b>	<b>52.75</b>	<b>1.000</b>
14	52.75	1.340

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
23	48.32	-1.195
<b>Std Dev</b>	<b>48.24</b>	<b>-1.000</b>
31	48.19	-0.876
79	48.09	-0.651
61	48.09	-0.639
23	47.88	-0.154
<b>Median</b>	<b>47.82</b>	<b>0.000</b>
61	47.75	0.154

14	47.55	0.639
14	47.52	0.710
24	47.49	0.781
24	47.42	0.947

048.99 Water Soluble Phosphate		
Lab	Other	
9	48.29	-1.340
<b>Std Dev</b>	<b>48.23</b>	<b>-1.000</b>
<b>Median</b>	<b>48.05</b>	<b>0.000</b>
<b>Std Dev</b>	<b>47.88</b>	<b>1.000</b>
34	47.82	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
23	48.32	-1.093
9	48.29	-1.012
<b>Std Dev</b>	<b>48.28</b>	<b>-1.000</b>
31	48.19	-0.779
79	48.09	-0.558
61	48.09	-0.546
23	47.88	-0.070
<b>Median</b>	<b>47.85</b>	<b>0.000</b>
34	47.82	0.070
61	47.75	0.233
14	47.55	0.709
14	47.52	0.779
24	47.49	0.849
<b>Std Dev</b>	<b>47.42</b>	<b>1.000</b>
24	47.42	1.012

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

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O Other	
61	0.13	-0.670
61	0.13	-0.670
<b>Median</b>	<b>0.12</b>	<b>0.000</b>
24	0.11	0.670
24	0.11	0.670

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
61	0.13	-0.893
61	0.13	-0.893
23	0.12	0.000
23	0.12	0.000
<b>Median</b>	<b>0.12</b>	<b>0.000</b>
24	0.11	0.893
24	0.11	0.893

060.00 Free Water		
Lab	Vacuum Oven	
24	1.47	-1.015
<b>Std Dev</b>	<b>1.46</b>	<b>-1.000</b>
31	1.45	-0.807
24	1.43	-0.598
23	1.40	-0.338
79	1.38	-0.078
<b>Median</b>	<b>1.37</b>	<b>0.000</b>
9	1.36	0.078
23	1.29	0.807
34	1.29	0.807
<b>Std Dev</b>	<b>1.27</b>	<b>1.000</b>
14	1.27	1.067
14	1.24	1.379

060.10 Free Water		
Lab	Vacuum Desiccate	
61	1.27	-1.340
<b>Std Dev</b>	<b>1.26</b>	<b>-1.000</b>
<b>Median</b>	<b>1.25</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.24</b>	<b>1.000</b>
61	1.23	1.340

060.XX Free Water		
Lab	Total Method	
24	1.47	-1.364
31	1.45	-1.169
<b>Std Dev</b>	<b>1.43</b>	<b>-1.000</b>
24	1.43	-0.975
23	1.40	-0.731
79	1.38	-0.487
9	1.36	-0.341

<b>Median</b>	<b>1.33</b>	<b>0.000</b>
23	1.29	0.341
34	1.29	0.341
61	1.27	0.536
14	1.27	0.585
14	1.24	0.877
61	1.23	0.926

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
14	0.73	-2.398
14	0.72	-1.975
<b>Std Dev</b>	<b>0.68</b>	<b>-1.000</b>
34	0.67	-0.705
23	0.66	-0.423
24	0.65	-0.141
23	0.65	0.000
<b>Median</b>	<b>0.65</b>	<b>0.000</b>
31	0.64	0.141
61	0.62	0.705
61	0.62	0.846
<b>Std Dev</b>	<b>0.61</b>	<b>1.000</b>
9	0.60	1.411
24	0.57	2.116

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
14	0.73	-2.398
14	0.72	-1.975
<b>Std Dev</b>	<b>0.68</b>	<b>-1.000</b>
34	0.67	-0.705
23	0.66	-0.423
24	0.65	-0.141
23	0.65	0.000
<b>Median</b>	<b>0.65</b>	<b>0.000</b>
31	0.64	0.141
61	0.62	0.705
61	0.62	0.846
<b>Std Dev</b>	<b>0.61</b>	<b>1.000</b>
9	0.60	1.411
24	0.57	2.116

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP

23	1.23	-1.021
Std Dev	1.23	-1.000
9	1.22	-0.766
23	1.21	-0.510
24	1.21	-0.510
34	1.20	-0.255
14	1.19	0.000
Median	1.19	0.000
14	1.18	0.255
31	1.16	0.766
61	1.16	0.893
Std Dev	1.15	1.000
61	1.15	1.021
24	1.15	1.149

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
23	1.23	-1.021
Std Dev	1.23	-1.000
9	1.22	-0.766
23	1.21	-0.510
24	1.21	-0.510
34	1.20	-0.255
14	1.19	0.000
Median	1.19	0.000
14	1.18	0.255
31	1.16	0.766
61	1.16	0.893
Std Dev	1.15	1.000
61	1.15	1.021
24	1.15	1.149

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	1.44	-1.340
Std Dev	1.42	-1.000
Median	1.40	0.000
Std Dev	1.37	1.000
61	1.36	1.340

144.70 Sulfur		
Lab		Spectrometric
14	1.42	-1.340
Std Dev	1.42	-1.000

Median	1.42	0.000
Std Dev	1.42	1.000
14	1.42	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
23	1.43	-0.975
23	1.43	-0.975
24	1.42	-0.487
Median	1.42	0.000
24	1.41	0.487
34	1.41	0.487
Std Dev	1.40	1.000
31	1.32	9.258

144.XX Sulfate Sulfur (S)		
Lab		Total Method
61	1.44	-1.705
Std Dev	1.43	-1.000
23	1.43	-0.731
23	1.43	-0.731
14	1.42	-0.244
24	1.42	-0.244
Median	1.42	0.000
14	1.42	0.244
24	1.41	0.731
34	1.41	0.731
Std Dev	1.41	1.000
61	1.36	6.091
31	1.32	9.502

151.30 Total Arsenic		
Lab		ICP
24	18.00	0.000
Median	18.00	0.000

151.XX Total Arsenic		
Lab		Total Method
24	18.00	0.000
Median	18.00	0.000

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	31.90	0.000

Median	31.90	0.000
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165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	31.90	0.000
Median	31.90	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
61	147.00	-1.340
Std Dev	146.68	-1.000
Median	145.75	0.000
Std Dev	144.82	1.000
61	144.50	1.340

181.99 Total Cadmium		
Lab		Other
24	151.00	0.000
Median	151.00	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
24	151.00	-1.649
Std Dev	149.43	-1.000
61	147.00	0.000
Median	147.00	0.000
Std Dev	144.57	1.000
61	144.50	1.031

190.00 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP
14	1.74	-2.680
14	1.74	-2.568
Std Dev	1.66	-1.000
34	1.66	-0.893
23	1.64	-0.335
23	1.62	0.000
Median	1.62	0.000
24	1.61	0.223
24	1.60	0.447
61	1.60	0.558
61	1.58	0.893

190.99 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Atomic Absorption
31	1.68	0.000
Median	1.68	0.000

190.XX Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method
14	1.74	-2.079
14	1.74	-1.987
Std Dev	1.68	-1.000
31	1.68	-0.970
34	1.66	-0.601
23	1.64	-0.139
Median	1.63	0.000
23	1.62	0.139
24	1.61	0.323
24	1.60	0.508
61	1.60	0.601
61	1.58	0.878

191.30 Total Chromium		
Lab		ICP
31	567.00	-2.294
Std Dev	538.51	-1.000
61	516.50	0.000
Median	516.50	0.000
61	508.00	0.386

191.99 Total Chromium		
Lab	PPM	Other
24	507.00	0.000
Median	507.00	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
31	567.00	-3.432
Std Dev	528.20	-1.000
61	516.50	-0.266
Median	512.25	0.000
61	508.00	0.266
24	507.00	0.329

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP

61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

202.99 Acid Soluble Cobalt		
Lab		Other
24	4.16	0.000
Median	4.16	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
24	4.16	-2.680
Std Dev	4.06	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

221.30 Acid Soluble Copper		
Lab	PPM	ICP
61	85.00	-1.340
Std Dev	84.94	-1.000
Median	84.75	0.000
Std Dev	84.56	1.000
61	84.50	1.340

221.99 Acid Soluble Copper		
Lab		Other
24	77.70	0.000
Median	77.70	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
61	85.00	-0.184
61	84.50	0.000
Median	84.50	0.000
Std Dev	81.78	1.000
24	77.70	2.496

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
34	1.22	-0.819
14	1.21	-0.521
14	1.20	-0.223
23	1.20	-0.074

31	1.20	-0.074
Median	1.19	0.000
24	1.19	0.074
23	1.18	0.372
Std Dev	1.16	1.000
61	1.15	1.414
61	1.15	1.414
24	1.14	1.563

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
34	1.22	-0.819
14	1.21	-0.521
14	1.20	-0.223
23	1.20	-0.074
31	1.20	-0.074
Median	1.19	0.000
24	1.19	0.074
23	1.18	0.372
Std Dev	1.16	1.000
61	1.15	1.414
61	1.15	1.414
24	1.14	1.563

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

251.99 Total Lead		
Lab		Other
24	2.05	0.000
Median	2.05	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
Std Dev	2.65	1.000
24	2.05	2.680

261.30 Acid Soluble Manganese		
Lab		ICP
31	181.50	0.000
Median	181.50	0.000

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	177.00	-0.574
61	175.50	0.000
Median	175.50	0.000
Std Dev	172.89	1.000
24	170.00	2.106

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
31	181.50	-1.759
Std Dev	179.24	-1.000
61	177.00	-0.251
Median	176.25	0.000
61	175.50	0.251
Std Dev	173.26	1.000
24	170.00	2.094

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	14.40	0.000
Median	14.40	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
24	14.40	-2.680

Std Dev	13.52	-1.000
61	13.00	0.000
61	13.00	0.000
Median	13.00	0.000

291.30 Total Nickel		
Lab		ICP
61	239.00	-1.340
Std Dev	238.87	-1.000
Median	238.50	0.000
Std Dev	238.13	1.000
61	238.00	1.340

291.99 Total Nickel		
Lab	PPM	Other
24	231.00	0.000
Median	231.00	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
61	239.00	-0.335
61	238.00	0.000
Median	238.00	0.000
Std Dev	235.01	1.000
24	231.00	2.345

301.30 Total Selenium		
Lab	PPM	ICP
24	<0.50	0.000
Median	0.00	0.000

301.XX Total Selenium		
Lab	PPM	Total Method
24	<0.50	0.000
Median	0.00	0.000

311.00 Sodium		
Lab	%Na <sub>2</sub> O	Atomic Absorbion
61	0.15	0.000
Median	0.15	0.000

311.99 Sodium		
Lab	%Na <sub>2</sub> O	Other
24	0.17	-1.005

Std Dev	0.17	-1.000
24	0.16	-0.335
23	0.16	0.000
Median	0.16	0.000
Std Dev	0.14	1.000
23	0.14	1.005
61	0.14	1.005

311.XX		Sodium
Lab	%Na <sub>2</sub> O	Total Method
24	0.17	-1.531
Std Dev	0.16	-1.000
24	0.16	-0.766
23	0.16	-0.383
Median	0.15	0.000
61	0.15	0.383
23	0.14	0.766
61	0.14	0.766

321.30		Acid Soluble Zinc
Lab	PPM	ICP
24	1597.00	-0.447
61	1590.00	0.000
Median	1590.00	0.000
Std Dev	1574.33	1.000
61	1555.00	2.233

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
24	1597.00	-0.447
61	1590.00	0.000
Median	1590.00	0.000
Std Dev	1574.33	1.000
61	1555.00	2.233

325.10		Fluoride
Lab	%	Electrode
23	1.53	-0.266
23	1.50	-0.160
24	1.48	-0.089
24	1.47	-0.053
Median	1.46	0.000
31	1.44	0.053
34	1.42	0.124

14	0.17	4.561
14	0.17	4.561

325.99		Fluoride
Lab	%	Other
61	1.53	-1.340
Median	1.51	0.000
61	1.50	1.340

325.XX		Fluoride
Lab	%	Total Method
23	1.53	-0.999
61	1.53	-0.999
23	1.50	-0.454
61	1.50	-0.363
24	1.48	-0.091
Median	1.48	0.000
24	1.47	0.091
31	1.44	0.636
34	1.42	0.999
14	0.17	23.711
14	0.17	23.711