

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	10.32	0.000
<b>Median</b>	<b>10.32</b>	<b>0.000</b>

001.99 Ammoniacal Nitrogen		
Lab	Other	
34	10.37	-1.340
<b>Std Dev</b>	<b>10.34</b>	<b>-1.000</b>
61	10.31	-0.536
23	10.31	-0.536
23	10.31	-0.469
61	10.27	0.000
<b>Median</b>	<b>10.27</b>	<b>0.000</b>
24	10.25	0.268
32	10.21	0.804
<b>Std Dev</b>	<b>10.20</b>	<b>1.000</b>
24	10.19	1.072
32	10.12	2.010

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
34	10.37	-1.228
<b>Std Dev</b>	<b>10.35</b>	<b>-1.000</b>
31	10.32	-0.484
61	10.31	-0.335
23	10.31	-0.335
23	10.31	-0.261
<b>Median</b>	<b>10.29</b>	<b>0.000</b>
61	10.27	0.261
24	10.25	0.558
<b>Std Dev</b>	<b>10.22</b>	<b>1.000</b>
32	10.21	1.154
24	10.19	1.452
32	10.12	2.494

010.60 Total Nitrogen		
Lab	Combustion	
9	10.36	-0.643
61	10.35	-0.429
14	10.35	-0.214
14	10.34	0.000
24	10.34	0.000
<b>Median</b>	<b>10.34</b>	<b>0.000</b>

<b>Std Dev</b>	<b>10.32</b>	<b>1.000</b>
24	10.32	1.072
31	10.32	1.072
79	10.29	2.144

010.99 Total Nitrogen		
Lab	Other	
32	10.21	-1.340
<b>Std Dev</b>	<b>10.20</b>	<b>-1.000</b>
<b>Median</b>	<b>10.17</b>	<b>0.000</b>
<b>Std Dev</b>	<b>10.13</b>	<b>1.000</b>
32	10.12	1.340

010.XX Total Nitrogen		
Lab	Total Method	
9	10.36	-0.776
61	10.35	-0.635
14	10.35	-0.494
14	10.34	-0.353
24	10.34	-0.353
<b>Median</b>	<b>10.33</b>	<b>0.000</b>
24	10.32	0.353
31	10.32	0.353
<b>Std Dev</b>	<b>10.29</b>	<b>1.000</b>
79	10.29	1.058
32	10.21	3.315
32	10.12	5.854

020.20 Total Phosphate		
Lab	Spectrometric	
61	51.62	-1.320
34	51.59	-1.117
<b>Std Dev</b>	<b>51.58</b>	<b>-1.000</b>
32	51.54	-0.670
61	51.51	-0.467
79	51.50	-0.386
14	51.46	-0.020
24	51.46	-0.020
<b>Median</b>	<b>51.45</b>	<b>0.000</b>
14	51.45	0.020
31	51.41	0.345
24	51.40	0.467
<b>Std Dev</b>	<b>51.33</b>	<b>1.000</b>
9	51.33	1.035

32	51.29	1.320
23	51.27	1.523
23	51.19	2.132

020.XX Total Phosphate		
Lab	Total Method	
61	51.62	-1.320
34	51.59	-1.117
<b>Std Dev</b>	<b>51.58</b>	<b>-1.000</b>
32	51.54	-0.670
61	51.51	-0.467
79	51.50	-0.386
14	51.46	-0.020
24	51.46	-0.020
<b>Median</b>	<b>51.45</b>	<b>0.000</b>
14	51.45	0.020
31	51.41	0.345
24	51.40	0.467
<b>Std Dev</b>	<b>51.33</b>	<b>1.000</b>
9	51.33	1.035
32	51.29	1.320
23	51.27	1.523
23	51.19	2.132

030.20 Insoluble Phosphate		
Lab	Spectrometric	
23	0.67	-1.963
23	0.66	-1.870
<b>Std Dev</b>	<b>0.52</b>	<b>-1.000</b>
24	0.43	-0.436
61	0.37	-0.093
24	0.36	0.000
<b>Median</b>	<b>0.36</b>	<b>0.000</b>
79	0.34	0.093
61	0.21	0.904
<b>Std Dev</b>	<b>0.19</b>	<b>1.000</b>
14	0.09	1.652
14	0.09	1.652

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.10	0.000
<b>Median</b>	<b>0.10</b>	<b>0.000</b>

030.40 Insoluble Phosphate		
Lab	Automated	
9	0.68	-1.340
<b>Std Dev</b>	<b>0.68</b>	<b>-1.000</b>
<b>Median</b>	<b>0.67</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.66</b>	<b>1.000</b>
34	0.66	1.340

030.99 Insoluble Phosphate		
Lab	Other	
32	0.99	-1.340
<b>Std Dev</b>	<b>0.98</b>	<b>-1.000</b>
<b>Median</b>	<b>0.96</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.94</b>	<b>1.000</b>
32	0.93	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
32	0.99	-1.852
32	0.93	-1.679
<b>Std Dev</b>	<b>0.71</b>	<b>-1.000</b>
9	0.68	-0.891
23	0.67	-0.859
34	0.66	-0.828
23	0.66	-0.812
24	0.43	-0.087
<b>Median</b>	<b>0.40</b>	<b>0.000</b>
61	0.37	0.087
24	0.36	0.134
79	0.34	0.181
61	0.21	0.591
31	0.10	0.938
14	0.09	0.970
14	0.09	0.970

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
14	51.37	-0.714
14	51.37	-0.714
31	51.31	-0.472
61	51.30	-0.428
61	51.25	-0.187
<b>Median</b>	<b>51.20</b>	<b>0.000</b>
79	51.16	0.187

24	51.10	0.450
Std Dev	50.97	1.000
24	50.97	1.021
23	50.61	2.603
23	50.52	2.999

040.99 Indirect Available Phosphate		
Lab		Other
34	50.93	-1.340
Std Dev	50.89	-1.000
Median	50.79	0.000
Std Dev	50.68	1.000
9	50.65	1.340

040.XX Indirect Available Phosphate		
Lab		Total Method
14	51.37	-0.710
14	51.37	-0.710
31	51.31	-0.544
61	51.30	-0.513
61	51.25	-0.347
79	51.16	-0.091
Median	51.13	0.000
24	51.10	0.091
24	50.97	0.483
34	50.93	0.604
Std Dev	50.80	1.000
9	50.65	1.465
23	50.61	1.570
23	50.52	1.842

048.20 Water Soluble Phosphate		
Lab		Spectrometric
61	43.80	-3.205
61	43.56	-1.467
Std Dev	43.49	-1.000
23	43.48	-0.887
31	43.46	-0.779
24	43.37	-0.127
Median	43.35	0.000
23	43.34	0.127
79	43.32	0.235
24	43.28	0.561
Std Dev	43.21	1.000

14	42.63	5.233
14	42.62	5.306

048.99 Water Soluble Phosphate		
Lab		Other
32	43.64	-0.648
9	43.55	-0.360
Median	43.43	0.000
34	43.32	0.360
Std Dev	43.12	1.000
32	42.64	2.552

048.XX Water Soluble Phosphate		
Lab		Total Method
61	43.80	-2.458
32	43.64	-1.569
61	43.56	-1.125
9	43.55	-1.069
Std Dev	43.53	-1.000
23	43.48	-0.680
31	43.46	-0.597
24	43.37	-0.097
Median	43.35	0.000
23	43.34	0.097
34	43.32	0.181
79	43.32	0.181
24	43.28	0.430
Std Dev	43.17	1.000
32	42.64	3.985
14	42.63	4.013
14	42.62	4.069

050.50 %K <sub>2</sub> O Soluble Potash		
Lab		ICP(Oxalate)
23	0.34	-1.340
Std Dev	0.34	-1.000
Median	0.34	0.000
Std Dev	0.33	1.000
23	0.33	1.340

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O	Other
61	0.32	-1.508
Std Dev	0.31	-1.000

61	0.31	-0.503
Median	0.30	0.000
24	0.29	0.503
24	0.29	0.837

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
23	0.34	-1.092
Std Dev	0.34	-1.000
23	0.33	-0.695
61	0.32	-0.298
Median	0.31	0.000
61	0.31	0.298
24	0.29	0.893
Std Dev	0.29	1.000
24	0.29	1.092

060.00 Free Water		
Lab		Vacuum Oven
79	1.85	-1.957
24	1.80	-1.574
24	1.80	-1.531
Std Dev	1.73	-1.000
31	1.70	-0.681
9	1.66	-0.383
34	1.64	-0.213
Median	1.62	0.000
23	1.59	0.213
23	1.58	0.340
32	1.57	0.425
32	1.56	0.510
Std Dev	1.50	1.000
14	1.45	1.404
14	1.42	1.702

060.10 Free Water		
Lab		Vacuum Desiccate
61	1.75	-1.340
Std Dev	1.72	-1.000
Median	1.64	0.000
Std Dev	1.57	1.000
61	1.54	1.340

060.XX Free Water		
Lab		Total Method
79	1.85	-1.761
24	1.80	-1.417
24	1.80	-1.378
Std Dev	1.75	-1.000
61	1.75	-0.995
31	1.70	-0.613
9	1.66	-0.345
34	1.64	-0.191
Median	1.62	0.000
23	1.59	0.191
23	1.58	0.306
32	1.57	0.383
32	1.56	0.459
61	1.54	0.574
Std Dev	1.48	1.000
14	1.45	1.263
14	1.42	1.531

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
61	0.97	-2.371
61	0.94	-1.752
31	0.93	-1.546
34	0.90	-1.031
Std Dev	0.90	-1.000
24	0.86	-0.103
14	0.85	0.000
14	0.85	0.000
23	0.85	0.000
Median	0.85	0.000
9	0.85	0.103
23	0.84	0.309
24	0.83	0.515
32	0.81	0.825
Std Dev	0.80	1.000
32	0.77	1.752

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
61	0.97	-2.371
61	0.94	-1.752
31	0.93	-1.546

34	0.90	-1.031
Std Dev	0.90	-1.000
24	0.86	-0.103
14	0.85	0.000
14	0.85	0.000
23	0.85	0.000
Median	0.85	0.000
9	0.85	0.103
23	0.84	0.309
24	0.83	0.515
32	0.81	0.825
Std Dev	0.80	1.000
32	0.77	1.752

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
23	1.63	-0.975
24	1.60	-0.670
23	1.59	-0.548
24	1.59	-0.548
61	1.58	-0.365
32	1.57	-0.305
9	1.55	0.000
Median	1.55	0.000
34	1.54	0.061
61	1.49	0.670
14	1.48	0.792
14	1.48	0.792
32	1.47	0.914
Std Dev	1.46	1.000
31	1.46	1.035

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
23	1.63	-0.975
24	1.60	-0.670
23	1.59	-0.548
24	1.59	-0.548
61	1.58	-0.365
32	1.57	-0.305
9	1.55	0.000
Median	1.55	0.000
34	1.54	0.061
61	1.49	0.670

14	1.48	0.792
14	1.48	0.792
32	1.47	0.914
Std Dev	1.46	1.000
31	1.46	1.035

144.01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	1.30	-1.340
Std Dev	1.30	-1.000
Median	1.29	0.000
Std Dev	1.29	1.000
61	1.29	1.340

144.70 Sulfur		
Lab		Spectrometric
14	1.34	-1.340
Std Dev	1.33	-1.000
Median	1.33	0.000
Std Dev	1.32	1.000
14	1.32	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
32	3.87	-75.040
32	3.58	-66.404
Std Dev	1.38	-1.000
34	1.38	-0.893
9	1.35	0.000
23	1.35	0.000
Median	1.35	0.000
23	1.34	0.298
24	1.34	0.447
24	1.33	0.744
Std Dev	1.32	1.000
31	1.26	2.680

144.XX Sulfate Sulfur (S)		
Lab		Total Method
32	3.87	-97.054
32	3.58	-85.951
34	1.38	-1.723
Std Dev	1.36	-1.000
9	1.35	-0.574

23	1.35	-0.574
23	1.34	-0.191
14	1.34	0.000
24	1.34	0.000
Median	1.34	0.000
24	1.33	0.383
14	1.32	0.766
Std Dev	1.31	1.000
61	1.30	1.340
61	1.29	1.914
31	1.26	2.871

151.30 Total Arsenic		
Lab		ICP
31	23.90	-4.377
Std Dev	18.58	-1.000
9	17.20	-0.127
Median	17.00	0.000
24	16.80	0.127
61	16.65	0.222

151.XX Total Arsenic		
Lab		Total Method
31	23.90	-4.377
Std Dev	18.58	-1.000
9	17.20	-0.127
Median	17.00	0.000
24	16.80	0.127
61	16.65	0.222

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	51.80	0.000
Median	51.80	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	51.80	0.000
Median	51.80	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
9	3.70	-0.766
61	3.50	0.000

Median	3.50	0.000
Std Dev	3.24	1.000
61	3.00	1.914

181.99 Total Cadmium		
Lab		Other
24	3.51	0.000
Median	3.51	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
9	3.70	-1.432
Std Dev	3.64	-1.000
24	3.51	-0.037
Median	3.51	0.000
61	3.50	0.037
Std Dev	3.37	1.000
61	3.00	3.708

190.00 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP
14	1.57	-1.715
14	1.57	-1.715
32	1.55	-1.286
Std Dev	1.54	-1.000
9	1.52	-0.643
23	1.51	-0.322
24	1.50	-0.214
Median	1.49	0.000
24	1.48	0.214
34	1.48	0.214
23	1.47	0.536
32	1.47	0.536
61	1.45	0.858
Std Dev	1.44	1.000
61	1.40	2.037

190.99 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Atomic Absorption
31	1.50	0.000
Median	1.50	0.000

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

14	1.57	-1.705
14	1.57	-1.705
32	1.55	-1.218
Std Dev	1.54	-1.000
9	1.52	-0.487
23	1.51	-0.122
24	1.50	0.000
31	1.50	0.000
Median	1.50	0.000
24	1.48	0.487
34	1.48	0.487
23	1.47	0.853
32	1.47	0.853
Std Dev	1.46	1.000
61	1.45	1.218
61	1.40	2.558

191.30 Total Chromium		
Lab	ICP	
9	137.00	-0.429
61	127.50	-0.082
Median	125.25	0.000
61	123.00	0.082
Std Dev	97.85	1.000
31	3.65	4.438

191.99 Total Chromium		
Lab	PPM	Other
24	134.00	0.000
Median	134.00	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
9	137.00	-1.157
Std Dev	135.71	-1.000
24	134.00	-0.792
61	127.50	0.000
Median	127.50	0.000
61	123.00	0.548
Std Dev	119.29	1.000
31	3.65	15.087

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP

9	4.20	-2.680
Std Dev	4.07	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

202.99 Acid Soluble Cobalt		
Lab	Other	
24	4.42	0.000
Median	4.42	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
24	4.42	-1.682
Std Dev	4.29	-1.000
9	4.20	-0.525
Median	4.10	0.000
61	4.00	0.525
61	4.00	0.525

221.30 Acid Soluble Copper		
Lab	PPM	ICP
61	<1	0.000
9	0.70	0.000
Median	0.70	0.000

221.99 Acid Soluble Copper		
Lab	Other	
24	<0.10	0.000
Median	0.00	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
61	<1	0.000
24	<0.10	0.000
9	0.70	0.000
Median	0.70	0.000

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
32	3.84	-4.104
31	3.66	-1.089
Std Dev	3.65	-1.000
61	3.61	-0.335

24	3.61	-0.335
34	3.61	-0.335
23	3.59	0.000
32	3.59	0.000
Median	3.59	0.000
24	3.58	0.167
14	3.54	0.838
Std Dev	3.53	1.000
14	3.53	1.005
23	3.52	1.173
9	3.49	1.675
61	3.38	3.518

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
32	3.84	-4.104
31	3.66	-1.089
Std Dev	3.65	-1.000
61	3.61	-0.335
24	3.61	-0.335
34	3.61	-0.335
23	3.59	0.000
32	3.59	0.000
Median	3.59	0.000
24	3.58	0.167
14	3.54	0.838
Std Dev	3.53	1.000
14	3.53	1.005
23	3.52	1.173
9	3.49	1.675
61	3.38	3.518

251.30 Total Lead		
Lab	PPM	ICP
61	4.00	-1.072
Std Dev	3.97	-1.000
9	3.60	0.000
Median	3.60	0.000
Std Dev	3.23	1.000
61	3.00	1.608

251.99 Total Lead		
Lab	Other	
24	2.31	0.000

Median	2.31	0.000
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251.XX Total Lead		
Lab	PPM	Total Method
61	4.00	-1.075
Std Dev	3.95	-1.000
9	3.60	-0.461
Median	3.30	0.000
61	3.00	0.461
Std Dev	2.65	1.000
24	2.31	1.520

261.30 Acid Soluble Manganese		
Lab	ICP	
9	256.00	-1.340
Std Dev	255.36	-1.000
Median	253.48	0.000
Std Dev	251.59	1.000
31	250.95	1.340

261.99 Acid Soluble Manganese		
Lab	PPM	Other
24	257.00	-1.286
Std Dev	254.33	-1.000
61	245.00	0.000
Median	245.00	0.000
Std Dev	235.67	1.000
61	232.00	1.394

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
24	257.00	-0.737
9	256.00	-0.615
31	250.95	0.000
Median	250.95	0.000
61	245.00	0.725
Std Dev	242.74	1.000
61	232.00	2.308

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	13.40	0.000
Median	13.40	0.000

289.XX		Total Molybdenum
Lab	PPM	Total Method
24	13.40	-1.372
Std Dev	12.82	-1.000
9	12.00	-0.479
Median	11.25	0.000
61	10.50	0.479
Std Dev	9.68	1.000
61	9.50	1.117

291.30		Total Nickel
Lab	PPM	ICP
9	17.80	-1.936
Std Dev	17.17	-1.000
61	16.50	0.000
Median	16.50	0.000
61	16.00	0.744

291.99		Total Nickel
Lab	PPM	Other
24	18.10	0.000
Median	18.10	0.000

291.XX		Total Nickel
Lab	PPM	Total Method
24	18.10	-0.849
9	17.80	-0.581
Median	17.15	0.000
61	16.50	0.581
Std Dev	16.03	1.000
61	16.00	1.027

301.30		Total Selenium
Lab	PPM	ICP
24	0.62	0.000
Median	0.62	0.000

301.XX		Total Selenium
Lab	PPM	Total Method
24	0.62	0.000
Median	0.62	0.000

311.00		Sodium
Lab	%Na <sub>2</sub> O	Atomic Absorption
61	0.32	0.000
Median	0.32	0.000

311.99		Sodium
Lab	%Na <sub>2</sub> O	Other
23	0.35	-1.340
23	0.35	-1.340
Std Dev	0.35	-1.000
24	0.34	0.000
61	0.34	0.000
Median	0.34	0.000
Std Dev	0.33	1.000
24	0.33	1.340

311.XX		Sodium
Lab	%Na <sub>2</sub> O	Total Method
23	0.35	-0.893
23	0.35	-0.893
24	0.34	0.000
61	0.34	0.000
Median	0.34	0.000
24	0.33	0.893
Std Dev	0.33	1.000
61	0.32	1.787

321.30		Acid Soluble Zinc
Lab	PPM	ICP
24	51.10	-0.883
9	48.90	-0.554
Median	45.20	0.000
61	41.50	0.554

Std Dev	38.52	1.000
61	37.50	1.153

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
24	51.10	-0.883
9	48.90	-0.554
Median	45.20	0.000
61	41.50	0.554
Std Dev	38.52	1.000
61	37.50	1.153

325.10		Fluoride
Lab	%	Electrode
31	2.34	-1.949
23	2.26	-0.650
24	2.24	-0.406
32	2.24	-0.406
32	2.22	-0.081
Median	2.22	0.000
24	2.21	0.081
23	2.18	0.568
34	2.15	1.056
14	1.97	4.061
14	1.96	4.142

325.99		Fluoride
Lab	%	Other
61	2.31	-1.340
Median	2.30	0.000
61	2.29	1.340

325.XX		Fluoride
Lab	%	Total Method
31	2.34	-1.542
61	2.31	-1.101
61	2.29	-0.881
23	2.26	-0.367
24	2.24	-0.147
32	2.24	-0.147
Median	2.23	0.000
32	2.22	0.147
24	2.21	0.294
23	2.18	0.734

34	2.15	1.175
14	1.97	3.892
14	1.96	3.965