

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	10.83	0.000
<b>Median</b>	<b>10.83</b>	<b>0.000</b>

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	10.75	-0.995
34	10.74	-0.919
61	10.72	-0.613
23	10.68	0.000
<b>Median</b>	<b>10.68</b>	<b>0.000</b>
23	10.65	0.459
24	10.64	0.689
24	10.62	0.919

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
31	10.83	-1.763
<b>Std Dev</b>	<b>10.77</b>	<b>-1.000</b>
61	10.75	-0.635
34	10.74	-0.564
61	10.72	-0.282
<b>Median</b>	<b>10.70</b>	<b>0.000</b>
23	10.68	0.282
23	10.65	0.705
24	10.64	0.917
<b>Std Dev</b>	<b>10.63</b>	<b>1.000</b>
24	10.62	1.128

010.60 Total Nitrogen		
Lab	Combustion	
31	10.79	-1.137
<b>Std Dev</b>	<b>10.77</b>	<b>-1.000</b>
79	10.77	-0.975
9	10.72	-0.568
24	10.65	0.000
<b>Median</b>	<b>10.65</b>	<b>0.000</b>
24	10.63	0.122
<b>Std Dev</b>	<b>10.52</b>	<b>1.000</b>
14	10.52	1.015
14	10.52	1.056

010.XX Total Nitrogen		
Lab	Total Method	
31	10.79	-1.137
<b>Std Dev</b>	<b>10.77</b>	<b>-1.000</b>
79	10.77	-0.975
9	10.72	-0.568
24	10.65	0.000
<b>Median</b>	<b>10.65</b>	<b>0.000</b>
24	10.63	0.122
<b>Std Dev</b>	<b>10.52</b>	<b>1.000</b>
14	10.52	1.015
14	10.52	1.056

020.20 Total Phosphate		
Lab	Spectrometric	
14	51.59	-1.694
14	51.57	-1.565
61	51.51	-1.051
<b>Std Dev</b>	<b>51.50</b>	<b>-1.000</b>
9	51.48	-0.750
61	51.42	-0.279
31	51.40	-0.107
<b>Median</b>	<b>51.39</b>	<b>0.000</b>
79	51.38	0.107
23	51.33	0.493
34	51.33	0.493
24	51.32	0.579
23	51.28	0.922
<b>Std Dev</b>	<b>51.27</b>	<b>1.000</b>
24	51.26	1.136

020.50 Total Phosphate		
Lab	ICP	
9	51.44	0.000
<b>Median</b>	<b>51.44</b>	<b>0.000</b>

020.XX Total Phosphate		
Lab	Total Method	
14	51.59	-1.710
14	51.57	-1.571
61	51.51	-1.017
<b>Std Dev</b>	<b>51.51</b>	<b>-1.000</b>
9	51.48	-0.693
9	51.44	-0.370

61	51.42	-0.185
31	51.40	0.000
<b>Median</b>	<b>51.40</b>	<b>0.000</b>
79	51.38	0.231
23	51.33	0.647
34	51.33	0.647
24	51.32	0.739
<b>Std Dev</b>	<b>51.29</b>	<b>1.000</b>
23	51.28	1.109
24	51.26	1.340

030.20 Insoluble Phosphate		
Lab	Spectrometric	
61	0.87	-1.402
61	0.81	-1.060
<b>Std Dev</b>	<b>0.80</b>	<b>-1.000</b>
24	0.77	-0.810
24	0.70	-0.374
79	0.64	0.000
<b>Median</b>	<b>0.64</b>	<b>0.000</b>
23	0.62	0.125
23	0.56	0.530
14	0.49	0.966
14	0.49	0.966

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.59	0.000
<b>Median</b>	<b>0.59</b>	<b>0.000</b>

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.61	0.000
<b>Median</b>	<b>0.61</b>	<b>0.000</b>

030.50 Insoluble Phosphate		
Lab	ICP	
9	0.59	0.000
<b>Median</b>	<b>0.59</b>	<b>0.000</b>

030.XX Insoluble Phosphate		
Lab	Total Method	
61	0.87	-2.393
61	0.81	-1.866

24	0.77	-1.484
<b>Std Dev</b>	<b>0.72</b>	<b>-1.000</b>
24	0.70	-0.814
79	0.64	-0.239
23	0.62	-0.048
<b>Median</b>	<b>0.62</b>	<b>0.000</b>
34	0.61	0.048
9	0.59	0.287
31	0.59	0.287
23	0.56	0.574
<b>Std Dev</b>	<b>0.51</b>	<b>1.000</b>
14	0.49	1.244
14	0.49	1.244

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
14	51.10	-3.017
14	51.09	-2.905
<b>Std Dev</b>	<b>50.83</b>	<b>-1.000</b>
31	50.81	-0.806
23	50.78	-0.581
79	50.74	-0.281
<b>Median</b>	<b>50.70</b>	<b>0.000</b>
23	50.66	0.281
61	50.65	0.394
61	50.61	0.656
<b>Std Dev</b>	<b>50.56</b>	<b>1.000</b>
24	50.56	1.068
24	50.55	1.106

040.50 Indirect Available Phosphate		
Lab	ICP	
9	50.90	0.000
<b>Median</b>	<b>50.90</b>	<b>0.000</b>

040.99 Indirect Available Phosphate		
Lab	Other	
34	50.74	0.000
<b>Median</b>	<b>50.74</b>	<b>0.000</b>

040.XX Indirect Available Phosphate		
Lab	Total Method	
14	51.10	-2.523
14	51.09	-2.419

9	50.90	-1.131
Std Dev	50.88	-1.000
31	50.81	-0.470
23	50.78	-0.261
34	50.74	-0.017
Median	50.74	0.000
79	50.74	0.017
23	50.66	0.539
61	50.65	0.644
61	50.61	0.888
Std Dev	50.59	1.000
24	50.56	1.270
24	50.55	1.305

041.40 Direct Available Phosphate		
Lab	Automated	
14	50.64	-1.340
Std Dev	50.63	-1.000
Median	50.62	0.000
Std Dev	50.61	1.000
14	50.61	1.340

041.XX Direct Available Phosphate		
Lab	Total Method	
14	50.64	-1.340
Std Dev	50.63	-1.000
Median	50.62	0.000
Std Dev	50.61	1.000
14	50.61	1.340

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
79	44.69	-3.748
Std Dev	44.33	-1.000
23	44.30	-0.719
31	44.27	-0.524
24	44.25	-0.369
23	44.24	-0.252
Median	44.20	0.000
24	44.17	0.252
14	44.12	0.680
61	44.09	0.913
Std Dev	44.07	1.000
14	44.06	1.107

048.99 Water Soluble Phosphate		
Lab	Other	
9	44.73	-1.340
Std Dev	44.65	-1.000
Median	44.42	0.000
Std Dev	44.19	1.000
34	44.11	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
9	44.73	-4.059
79	44.69	-3.748
Std Dev	44.33	-1.000
23	44.30	-0.719
31	44.27	-0.524
24	44.25	-0.369
23	44.24	-0.252
Median	44.20	0.000
24	44.17	0.252
14	44.12	0.680
34	44.11	0.719
61	44.09	0.913
Std Dev	44.07	1.000
14	44.06	1.107
61	43.95	2.000

050.50 %K <sub>2</sub> O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.28	-1.340
Std Dev	0.27	-1.000
Median	0.27	0.000
Std Dev	0.27	1.000
23	0.27	1.340

050.99 %K <sub>2</sub> O Soluble Potash		
Lab	Other	
61	0.31	-1.729
Std Dev	0.29	-1.000
61	0.28	-0.519
Median	0.26	0.000
24	0.25	0.519
24	0.25	0.519

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
61	0.31	-2.144
Std Dev	0.29	-1.000
23	0.28	-0.268
61	0.28	-0.268
Median	0.27	0.000
23	0.27	0.268
Std Dev	0.25	1.000
24	0.25	1.340
24	0.25	1.340

060.00 Free Water		
Lab	Vacuum Oven	
24	2.99	-1.466
Std Dev	2.87	-1.000
24	2.86	-0.942
31	2.81	-0.733
23	2.65	-0.042
23	2.64	0.000
Median	2.64	0.000
14	2.53	0.461
14	2.49	0.607
9	2.46	0.754
Std Dev	2.40	1.000
34	2.37	1.110

060.10 Free Water		
Lab	Vacuum Desiccate	
61	2.60	-1.340
Std Dev	2.59	-1.000
Median	2.55	0.000
Std Dev	2.51	1.000
61	2.50	1.340

060.XX Free Water		
Lab	Total Method	
24	2.99	-2.219
24	2.86	-1.498
31	2.81	-1.210
Std Dev	2.77	-1.000
23	2.65	-0.259
23	2.64	-0.202

61 2.60 0.000		
Median	2.60	0.000
14	2.53	0.432
61	2.50	0.576
14	2.49	0.634
9	2.46	0.836
Std Dev	2.43	1.000
34	2.37	1.326

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
34	0.83	-2.106
Std Dev	0.80	-1.000
23	0.80	-0.957
14	0.80	-0.766
23	0.80	-0.766
14	0.79	-0.574
24	0.78	0.000
Median	0.78	0.000
9	0.77	0.383
24	0.76	0.574
31	0.76	0.574
Std Dev	0.75	1.000
61	0.73	1.914
61	0.72	2.297

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
34	0.83	-2.106
Std Dev	0.80	-1.000
23	0.80	-0.957
14	0.80	-0.766
23	0.80	-0.766
14	0.79	-0.574
24	0.78	0.000
Median	0.78	0.000
9	0.77	0.383
24	0.76	0.574
31	0.76	0.574
Std Dev	0.75	1.000
61	0.73	1.914
61	0.72	2.297

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
24	1.72	-1.199
23	1.71	-1.128
Std Dev	1.70	-1.000
23	1.70	-0.917
24	1.69	-0.776
9	1.67	-0.494
31	1.63	0.000
Median	1.63	0.000
14	1.60	0.423
14	1.60	0.423
34	1.59	0.564
Std Dev	1.56	1.000
61	1.54	1.269
61	1.51	1.693

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
24	1.72	-1.199
23	1.71	-1.128
Std Dev	1.70	-1.000
23	1.70	-0.917
24	1.69	-0.776
9	1.67	-0.494
31	1.63	0.000
Median	1.63	0.000
14	1.60	0.423
14	1.60	0.423
34	1.59	0.564
Std Dev	1.56	1.000
61	1.54	1.269
61	1.51	1.693

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	1.23	-1.340
Std Dev	1.23	-1.000
Median	1.23	0.000
Std Dev	1.23	1.000
61	1.23	1.340

144.70 Sulfur		
Lab		Spectrometric
61	1.23	1.340

14	1.19	-1.340
Std Dev	1.19	-1.000
Median	1.19	0.000
Std Dev	1.18	1.000
14	1.18	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
24	1.22	-1.965
34	1.21	-1.608
Std Dev	1.19	-1.000
24	1.19	-0.715
9	1.17	0.000
Median	1.17	0.000
23	1.16	0.179
23	1.16	0.179
Std Dev	1.14	1.000
31	1.12	1.787

144.XX Sulfate Sulfur (S)		
Lab		Total Method
61	1.23	-1.149
61	1.23	-1.021
Std Dev	1.22	-1.000
24	1.22	-0.893
34	1.21	-0.638
14	1.19	-0.128
24	1.19	0.000
Median	1.19	0.000
14	1.18	0.128
9	1.17	0.510
23	1.16	0.638
23	1.16	0.638
Std Dev	1.15	1.000
31	1.12	1.787

151.30 Total Arsenic		
Lab		ICP
9	19.25	-3.329
Std Dev	13.13	-1.000
61	11.00	-0.190
Median	10.50	0.000
61	10.00	0.190
24	8.16	0.890

151.XX Total Arsenic		
Lab		Total Method
9	19.25	-3.329
Std Dev	13.13	-1.000
61	11.00	-0.190
Median	10.50	0.000
61	10.00	0.190
24	8.16	0.890

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	19.60	0.000
Median	19.60	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	19.60	0.000
Median	19.60	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
Std Dev	3.87	1.000
9	3.65	2.680

181.99 Total Cadmium		
Lab		Other
24	6.43	0.000
Median	6.43	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
24	6.43	-4.685
Std Dev	4.52	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
9	3.65	0.675

190.00 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP
9	1.56	-1.462
14	1.55	-1.137
14	1.55	-1.137
Std Dev	1.54	-1.000
24	1.52	-0.325
24	1.51	0.000
34	1.51	0.000
Median	1.51	0.000
23	1.51	0.162
23	1.50	0.487
Std Dev	1.48	1.000
61	1.41	3.248
61	1.39	4.061

9	1.56	-1.462
14	1.55	-1.137
14	1.55	-1.137
Std Dev	1.54	-1.000
24	1.52	-0.325
24	1.51	0.000
34	1.51	0.000
Median	1.51	0.000
23	1.51	0.162
23	1.50	0.487
Std Dev	1.48	1.000
61	1.41	3.248
61	1.39	4.061

190.99 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Atomic Absorption
31	1.53	0.000
Median	1.53	0.000

190.XX Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method
9	1.56	-1.608
14	1.55	-1.251
14	1.55	-1.251
Std Dev	1.54	-1.000
31	1.53	-0.715
24	1.52	-0.357
24	1.51	0.000
34	1.51	0.000
Median	1.51	0.000
23	1.51	0.179
23	1.50	0.536
Std Dev	1.48	1.000
61	1.41	3.573
61	1.39	4.467

191.30 Total Chromium		
Lab		ICP
9	136.00	-0.804
61	135.00	-0.447
Median	133.75	0.000
61	132.50	0.447
Std Dev	130.95	1.000
31	128.50	1.876

191.99 Total Chromium		
Lab	PPM	Other
24	57.80	0.000
Median	57.80	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
9	136.00	-0.722
61	135.00	-0.515
61	132.50	0.000
Median	132.50	0.000
31	128.50	0.825
Std Dev	127.65	1.000
24	57.80	15.400

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
9	4.25	-2.680
Std Dev	4.09	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

202.99 Acid Soluble Cobalt		
Lab	PPM	Other
24	3.69	0.000
Median	3.69	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
9	4.25	-2.393
Std Dev	4.10	-1.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
Std Dev	3.90	1.000
24	3.69	2.967

221.30 Acid Soluble Copper		
Lab	PPM	ICP
9	2.15	-2.680
Std Dev	2.06	-1.000
61	2.00	0.000

61	2.00	0.000
Median	2.00	0.000

221.99 Acid Soluble Copper		
Lab	PPM	Other
24	7.36	0.000
Median	7.36	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
24	7.36	-4.876
Std Dev	3.16	-1.000
9	2.15	-0.069
Median	2.08	0.000
61	2.00	0.069
61	2.00	0.069

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
24	3.24	-1.531
24	3.22	-1.225
Std Dev	3.21	-1.000
23	3.19	-0.689
23	3.18	-0.613
34	3.16	-0.306
14	3.14	0.000
Median	3.14	0.000
14	3.14	0.077
31	3.12	0.383
9	3.08	0.995
Std Dev	3.07	1.000
61	2.93	3.216
61	2.87	4.211

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
24	3.24	-1.531
24	3.22	-1.225
Std Dev	3.21	-1.000
23	3.19	-0.689
23	3.18	-0.613
34	3.16	-0.306
14	3.14	0.000
Median	3.14	0.000

14	3.14	0.077
31	3.12	0.383
9	3.08	0.995
Std Dev	3.07	1.000
61	2.93	3.216
61	2.87	4.211

251.30 Total Lead		
Lab	PPM	ICP
61	5.00	0.000
61	5.00	0.000
Median	5.00	0.000

251.99 Total Lead		
Lab	PPM	Other
24	20.00	0.000
Median	20.00	0.000

251.XX Total Lead		
Lab	PPM	Total Method
24	20.00	-2.680
Std Dev	10.60	-1.000
61	5.00	0.000
61	5.00	0.000
Median	5.00	0.000

261.30 Acid Soluble Manganese		
Lab	PPM	ICP
9	290.50	-1.340
Std Dev	290.12	-1.000
Median	289.00	0.000
Std Dev	287.88	1.000
31	287.50	1.340

261.99 Acid Soluble Manganese		
Lab	PPM	Other
24	311.00	-2.436
Std Dev	296.26	-1.000
61	286.00	0.000
Median	286.00	0.000
61	283.50	0.244

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method

24	311.00	-6.998
Std Dev	290.86	-1.000
9	290.50	-0.893
31	287.50	0.000
Median	287.50	0.000
61	286.00	0.447
Std Dev	284.14	1.000
61	283.50	1.191

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
9		
289.99		
Lab	PPM	Other
24	6.95	0.000
Median	6.95	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
9	16.00	0.000
61	16.00	0.000
61	16.00	0.000
Median	16.00	0.000
Std Dev	14.31	1.000
24	6.95	5.360

291.30 Total Nickel		
Lab	PPM	ICP
9	17.00	-2.680
Std Dev	16.37	-1.000
61	16.00	0.000
61	16.00	0.000
Median	16.00	0.000

291.99		
Lab	PPM	Total Nickel Other
24	11.10	0.000
Median	11.10	0.000

291.XX		
Lab	PPM	Total Nickel Total Method
9	17.00	-0.908
61	16.00	0.000
61	16.00	0.000
Median	16.00	0.000
Std Dev	14.90	1.000
24	11.10	4.452

301.30		
Lab	PPM	Total Selenium ICP
61	<1	0.000
61	<1	0.000
24	1.90	0.000
Median	1.90	0.000

301.XX		
Lab	PPM	Total Selenium Total Mthod
61	<1	0.000
61	<1	0.000
24	1.90	0.000
Median	1.90	0.000

311.00		
Lab	%Na <sub>2</sub> O	Sodium Atomic Absorbtion
61	0.25	0.000
Median	0.25	0.000

311.99		
Lab	%Na <sub>2</sub> O	Sodium Other
61	0.29	-1.675
24	0.28	-1.340
Std Dev	0.27	-1.000
23	0.26	0.000
24	0.26	0.000
Median	0.26	0.000
23	0.26	0.335

311.XX		
Lab	%Na <sub>2</sub> O	Sodium Total Method
61	0.29	-1.787
24	0.28	-1.429
Std Dev	0.27	-1.000
23	0.26	0.000
24	0.26	0.000
Median	0.26	0.000
23	0.26	0.357
Std Dev	0.25	1.000
61	0.25	1.072

321.30		
Lab	PPM	Acid Soluble Zinc ICP
24	72.70	-2.519
Std Dev	53.89	-1.000
61	41.50	0.000
Median	41.50	0.000
61	39.50	0.161

321.XX		
Lab	PPM	Acid Soluble Zinc Total Method
24	72.70	-2.519
Std Dev	53.89	-1.000
61	41.50	0.000
Median	41.50	0.000
61	39.50	0.161

325.10		
Lab	%	Fluoride Electrode
23	2.10	-0.521
34	2.09	-0.447
24	2.08	-0.298
23	2.07	-0.074
Median	2.06	0.000
9	2.06	0.074
24	2.05	0.149
31	1.82	3.573
14	1.43	9.380

325.99		
Lab	%	Fluoride Other
61	2.14	-0.019
61	2.13	0.000

Median	2.13	0.000
14	1.42	2.661

325.XX		
Lab	%	Fluoride Total Method
61	2.14	-0.596
61	2.13	-0.553
23	2.10	-0.255
34	2.09	-0.213
24	2.08	-0.128
23	2.07	0.000
Median	2.07	0.000
9	2.06	0.085
24	2.05	0.128
31	1.82	2.084
14	1.43	5.403
14	1.42	5.488