

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	10.51	0.000
Median	10.51	0.000

001.99 Ammoniacal Nitrogen		
Lab	Other	
31	18.01	-205.020
34	10.40	-1.072
Std Dev	10.40	-1.000
32	10.39	-0.670
23	10.38	-0.402
61	10.36	0.000
Median	10.36	0.000
24	10.34	0.536
61	10.34	0.670
Std Dev	10.32	1.000
23	10.31	1.340
24	10.24	3.350

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
31	18.01	-170.682
31	10.51	-3.071
Std Dev	10.41	-1.000
34	10.40	-0.726
32	10.39	-0.391
23	10.38	-0.168
Median	10.37	0.000
61	10.36	0.168
24	10.34	0.614
61	10.34	0.726
Std Dev	10.32	1.000
23	10.31	1.284
24	10.24	2.959

010.60 Total Nitrogen		
Lab	Combustion	
31	18.05	-72.743
Std Dev	10.55	-1.000
14	10.51	-0.574
14	10.49	-0.431
31	10.45	0.000
Median	10.45	0.000

79	10.37	0.766
24	10.35	0.909
Std Dev	10.34	1.000
24	10.20	2.345

010.99 Total Nitrogen		
Lab	Other	
32	10.52	0.000
Median	10.52	0.000

010.XX Total Nitrogen		
Lab	Total Method	
31	18.05	-68.840
Std Dev	10.58	-1.000
32	10.52	-0.477
14	10.51	-0.341
14	10.49	-0.204
Median	10.47	0.000
31	10.45	0.204
79	10.37	0.931
Std Dev	10.36	1.000
24	10.35	1.067
24	10.20	2.430

020.20 Total Phosphate		
Lab	Spectrometric	
31	49.98	-3.223
14	49.75	-1.521
14	49.74	-1.485
Std Dev	49.67	-1.000
23	49.62	-0.579
34	49.59	-0.398
61	49.59	-0.362
23	49.54	0.000
Median	49.54	0.000
32	49.48	0.398
79	49.47	0.471
61	49.43	0.761
Std Dev	49.40	1.000
24	48.95	4.274
24	48.93	4.382
31	46.60	21.295

020.XX Total Phosphate		
Lab	Total Method	
31	49.98	-3.223
14	49.75	-1.521
14	49.74	-1.485
Std Dev	49.67	-1.000
23	49.62	-0.579
34	49.59	-0.398
61	49.59	-0.362
23	49.54	0.000
Median	49.54	0.000
32	49.48	0.398
79	49.47	0.471
61	49.43	0.761
Std Dev	49.40	1.000
24	48.95	4.274
24	48.93	4.382
31	46.60	21.295

030.20 Insoluble Phosphate		
Lab	Spectrometric	
32	0.14	-1.787
Std Dev	0.10	-1.000
61	0.10	-0.766
61	0.09	-0.638
79	0.09	-0.638
31	0.07	-0.128
23	0.07	0.000
Median	0.07	0.000
23	0.06	0.255
14	0.04	0.638
14	0.04	0.766
Std Dev	0.03	1.000
24	0.03	1.021
24	0.02	1.276

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.02	0.000
Median	0.02	0.000

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.02	0.000

Median	0.02	0.000
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030.XX Insoluble Phosphate		
Lab	Total Method	
32	0.14	-1.649
Std Dev	0.10	-1.000
61	0.10	-0.825
61	0.09	-0.722
79	0.09	-0.722
31	0.07	-0.309
23	0.07	-0.206
23	0.06	0.000
Median	0.06	0.000
14	0.04	0.309
14	0.04	0.412
24	0.03	0.618
34	0.02	0.639
24	0.02	0.825
31	0.02	0.825

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
31	49.97	-1.320
Std Dev	49.85	-1.000
14	49.71	-0.626
14	49.70	-0.599
23	49.55	-0.190
61	49.50	-0.041
23	49.48	0.000
Median	49.48	0.000
79	49.38	0.272
61	49.34	0.395
Std Dev	49.11	1.000
24	48.93	1.496
24	48.90	1.578
31	46.53	8.040

040.99 Indirect Available Phosphate		
Lab	Other	
34	49.56	0.000
Median	49.56	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	

31	49.97	-1.771
Std Dev	49.76	-1.000
14	49.71	-0.825
14	49.70	-0.788
34	49.56	-0.269
23	49.55	-0.232
61	49.50	-0.028
Median	49.49	0.000
23	49.48	0.028
79	49.38	0.399
61	49.34	0.566
Std Dev	49.22	1.000
24	48.93	2.068
24	48.90	2.179
31	46.53	10.989

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
32	44.26	-0.901
31	44.22	-0.822
79	44.16	-0.676
23	44.01	-0.349
61	43.95	-0.214
23	43.89	-0.079
Median	43.86	0.000
24	43.82	0.079
61	43.73	0.282
24	43.53	0.732
Std Dev	43.41	1.000
14	43.22	1.441
14	43.20	1.475
31	42.38	3.322

048.99 Water Soluble Phosphate		
Lab	Other	
34	43.67	0.000
Median	43.67	0.000

048.XX Water Soluble Phosphate		
Lab	Total Method	
32	44.26	-1.214
31	44.22	-1.117
Std Dev	44.18	-1.000
79	44.16	-0.935

23	44.01	-0.530
61	43.95	-0.363
23	43.89	-0.195
24	43.82	0.000
Median	43.82	0.000
61	43.73	0.251
34	43.67	0.419
24	43.53	0.810
Std Dev	43.46	1.000
14	43.22	1.689
14	43.20	1.731
31	42.38	4.020

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.19	0.000
23	0.19	0.000
Median	0.19	0.000

050.99 %K ₂ O Soluble Potash		
Lab	Other	
24	0.19	-0.423
61	0.19	-0.423
Median	0.18	0.000
24	0.18	0.423
Std Dev	0.16	1.000
61	0.14	2.398

050.XX %K ₂ O Soluble Potash		
Lab	Total Method	
23	0.19	0.000
23	0.19	0.000
24	0.19	0.000
61	0.19	0.000
Median	0.19	0.000
Std Dev	0.18	1.000
24	0.18	1.787
61	0.14	5.956

060.00 Free Water		
Lab	Vacuum Oven	
31	1.96	-24.334
24	0.98	-3.323
Std Dev	0.87	-1.000

32	0.86	-0.750
14	0.85	-0.536
23	0.84	-0.322
14	0.82	0.000
Median	0.82	0.000
24	0.81	0.214
23	0.81	0.322
Std Dev	0.77	1.000
34	0.77	1.072
79	0.75	1.501
31	0.45	7.933

060.10 Free Water		
Lab	Vacuum Desiccate	
61	1.07	-1.340
Std Dev	1.04	-1.000
Median	0.97	0.000
Std Dev	0.89	1.000
61	0.86	1.340

060.XX Free Water		
Lab	Total Method	
31	1.96	-27.287
61	1.07	-5.725
24	0.98	-3.411
Std Dev	0.88	-1.000
61	0.86	-0.609
32	0.86	-0.487
14	0.85	-0.244
23	0.84	0.000
Median	0.84	0.000
14	0.82	0.365
24	0.81	0.609
23	0.81	0.731
Std Dev	0.79	1.000
34	0.77	1.584
79	0.75	2.071
31	0.45	9.380

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
34	1.88	-0.860
61	1.88	-0.860
61	1.83	-0.420

23	1.79	-0.100
31	1.79	-0.100
14	1.78	-0.020
Median	1.77	0.000
14	1.77	0.020
23	1.76	0.100
24	1.66	0.900
Std Dev	1.65	1.000
24	1.53	1.940
32	1.51	2.100
31	0.43	10.780

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
34	1.88	-0.860
61	1.88	-0.860
61	1.83	-0.420
23	1.79	-0.100
31	1.79	-0.100
14	1.78	-0.020
Median	1.77	0.000
14	1.77	0.020
23	1.76	0.100
24	1.66	0.900
Std Dev	1.65	1.000
24	1.53	1.940
32	1.51	2.100
31	0.43	10.780

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
24	1.86	-0.912
61	1.85	-0.741
24	1.84	-0.684
14	1.80	-0.171
31	1.79	-0.114
23	1.79	-0.057
Median	1.78	0.000
23	1.78	0.057
14	1.76	0.228
Std Dev	1.69	1.000
34	1.69	1.026
61	1.69	1.083
32	1.46	3.706

31 0.81 11.062

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
24	1.86	-0.912
61	1.85	-0.741
24	1.84	-0.684
14	1.80	-0.171
31	1.79	-0.114
23	1.79	-0.057
Median	1.78	0.000
23	1.78	0.057
14	1.76	0.228
Std Dev	1.69	1.000
34	1.69	1.026
61	1.69	1.083
32	1.46	3.706
31	0.81	11.062

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	1.75	-1.340
Std Dev	1.74	-1.000
Median	1.72	0.000
Std Dev	1.69	1.000
61	1.69	1.340

144.70 Sulfur		
Lab		Spectrometric
14	1.74	0.000
14	1.74	0.000
Median	1.74	0.000

144.99 Sulfate Sulfur (S)		
Lab		Other
24	1.76	-1.034
Std Dev	1.75	-1.000
34	1.74	-0.752
24	1.73	-0.564
23	1.70	0.000
23	1.70	0.000
Median	1.70	0.000
31	1.69	0.282
Std Dev	1.65	1.000

31 1.59 2.069
32 1.49 4.044

144.XX Sulfate Sulfur (S)		
Lab		Total Method
24	1.76	-1.046
Std Dev	1.75	-1.000
61	1.75	-0.915
34	1.74	-0.654
14	1.74	-0.523
14	1.74	-0.523
24	1.73	-0.392
Median	1.72	0.000
23	1.70	0.392
23	1.70	0.392
31	1.69	0.784
61	1.69	0.784
Std Dev	1.68	1.000
31	1.59	3.268
32	1.49	6.014

151.30 Total Arsenic		
Lab		ICP
24	9.94	-2.137
Std Dev	7.84	-1.000
61	6.00	0.000
Median	6.00	0.000
61	5.00	0.543

151.XX Total Arsenic		
Lab		Total Method
24	9.94	-2.137
Std Dev	7.84	-1.000
61	6.00	0.000
Median	6.00	0.000
61	5.00	0.543

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	29.00	0.000
Median	29.00	0.000

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

24 29.00 0.000
Median 29.00 0.000

181.30 Total Cadmium		
Lab	PPM	ICP
31	5.00	-2.010
Std Dev	3.49	-1.000
61	2.00	0.000
Median	2.00	0.000
61	1.00	0.670

181.99 Total Cadmium		
Lab		Other
24	6.15	0.000
Median	6.15	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
24	6.15	-1.004
Std Dev	6.14	-1.000
31	5.00	-0.568
Median	3.50	0.000
61	2.00	0.568
61	1.00	0.947

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
14	2.98	-2.787
14	2.98	-2.787
Std Dev	2.89	-1.000
24	2.89	-0.965
34	2.88	-0.750
61	2.88	-0.750
23	2.85	0.000
Median	2.85	0.000
23	2.84	0.107
24	2.83	0.322
61	2.82	0.643
Std Dev	2.80	1.000
32	2.48	7.826
31	1.75	23.477

190.99 Aluminum		
Lab	%Al ₂ O ₃	Atomic Absorption

31 2.99 0.000
Median 2.99 0.000

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
31	2.99	-1.931
14	2.98	-1.774
14	2.98	-1.774
Std Dev	2.93	-1.000
24	2.89	-0.434
34	2.88	-0.276
61	2.88	-0.276
Median	2.86	0.000
23	2.85	0.276
23	2.84	0.355
24	2.83	0.512
61	2.82	0.749
Std Dev	2.80	1.000
32	2.48	6.030
31	1.75	17.538

191.30 Total Chromium		
Lab		ICP
31	99.00	-0.877
61	95.50	-0.195
Median	94.50	0.000
61	93.50	0.195
Std Dev	89.37	1.000
31	77.50	3.313

191.99 Total Chromium		
Lab	PPM	Other
24	90.60	0.000
Median	90.60	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
31	99.00	-1.504
Std Dev	97.16	-1.000
61	95.50	-0.547
61	93.50	0.000
Median	93.50	0.000
24	90.60	0.793
Std Dev	89.84	1.000

31 77.50 4.376

202.30		
Lab	PPM	Acid Soluble Cobalt ICP
61	3.50	-1.340
Std Dev	3.44	-1.000
Median	3.25	0.000
Std Dev	3.06	1.000
61	3.00	1.340

202.99		
Lab	PPM	Acid Soluble Cobalt Other
24	3.42	0.000
Median	3.42	0.000

202.XX		
Lab	PPM	Acid Soluble Cobalt Total Method
61	3.50	-0.429
24	3.42	0.000
Median	3.42	0.000
Std Dev	3.23	1.000
61	3.00	2.251

221.30		
Lab	PPM	Acid Soluble Copper ICP
61	0.30	-1.340
Std Dev	0.28	-1.000
Median	0.23	0.000
Std Dev	0.17	1.000
61	0.15	1.340

221.99		
Lab	PPM	Acid Soluble Copper Other
24	0.83	0.000
Median	0.83	0.000

221.XX		
Lab	PPM	Acid Soluble Copper Total Method
24	0.83	-2.089
Std Dev	0.55	-1.000
61	0.30	0.000
Median	0.30	0.000
61	0.15	0.591

241.30		
Lab	%Fe ₂ O ₃	Acid Soluble Iron ICP
24	1.86	-1.201
Std Dev	1.85	-1.000
24	1.85	-0.832
14	1.83	-0.277
14	1.83	-0.277
31	1.83	-0.277
61	1.83	-0.092
Median	1.82	0.000
34	1.82	0.092
61	1.81	0.647
Std Dev	1.80	1.000
23	1.80	1.017
23	1.79	1.201
32	1.69	5.083
31	1.46	13.400

241.XX		
Lab	%Fe ₂ O ₃	Acid Soluble Iron Total Method
24	1.86	-1.201
Std Dev	1.85	-1.000
24	1.85	-0.832
14	1.83	-0.277
14	1.83	-0.277
31	1.83	-0.277
61	1.83	-0.092
Median	1.82	0.000
34	1.82	0.092
61	1.81	0.647
Std Dev	1.80	1.000
23	1.80	1.017
23	1.79	1.201
32	1.69	5.083
31	1.46	13.400

251.30		
Lab	PPM	Total Lead ICP
61	9.00	-1.340
Std Dev	8.68	-1.000
Median	7.75	0.000
Std Dev	6.82	1.000
61	6.50	1.340

251.99		
Lab	PPM	Total Lead Other
24	8.95	0.000
Median	8.95	0.000

251.XX		
Lab	PPM	Total Lead Total Method
61	9.00	-0.054
24	8.95	0.000
Median	8.95	0.000
Std Dev	8.02	1.000
61	6.50	2.626

261.30		
Lab	PPM	Acid Soluble Manganese ICP
31	446.50	-1.340
Std Dev	431.40	-1.000
Median	387.00	0.000
Std Dev	342.60	1.000
31	327.50	1.340

261.99		
Lab	PPM	Acid Soluble Manganese Other
61	415.00	-2.457
Std Dev	405.22	-1.000
61	398.50	0.000
Median	398.50	0.000
24	397.00	0.223

261.XX		
Lab	PPM	Acid Soluble Manganese Total Method
31	446.50	-3.573
61	415.00	-1.228
Std Dev	411.93	-1.000
61	398.50	0.000
Median	398.50	0.000
24	397.00	0.112
Std Dev	385.07	1.000
31	327.50	5.286

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

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

289.30		
Lab	PPM	Total Molybdenum ICP
61		

289.99		
Lab	PPM	Total Molybdenum Other
24	17.60	0.000
Median	17.60	0.000

289.XX		
Lab	PPM	Total Molybdenum Total Method
24	17.60	-1.005
Std Dev	17.60	-1.000
61	17.00	0.000
Median	17.00	0.000
Std Dev	16.40	1.000
61	16.00	1.675

291.30		
Lab	PPM	Total Nickel ICP
61	14.00	-1.340
Std Dev	13.87	-1.000
Median	13.50	0.000
Std Dev	13.13	1.000
61	13.00	1.340

291.99		
Lab	PPM	Total Nickel Other
24	15.00	0.000
Median	15.00	0.000

291.XX		
Lab	PPM	Total Nickel Total Method
24	15.00	-1.340
Std Dev	14.75	-1.000
61	14.00	0.000
Median	14.00	0.000
Std Dev	13.25	1.000
61	13.00	1.340

301.30		Total Selenium
Lab	PPM	ICP
24	0.77	0.000
Median	0.77	0.000

301.XX		Total Selenium
Lab	PPM	Total Mthod
24	0.77	0.000
Median	0.77	0.000

311.00		Sodium
Lab	%Na ₂ O	Atomic Absorbion
61	0.40	0.000
Median	0.40	0.000

311.99		Sodium
Lab	%Na ₂ O	Other
23	0.40	0.000
23	0.40	0.000
24	0.40	0.000
Median	0.40	0.000
Std Dev	0.39	1.000
24	0.39	1.340
61	0.33	17.420

311.XX		Sodium
Lab	%Na ₂ O	Total Method
61	0.40	-1.787
Std Dev	0.40	-1.000
23	0.40	0.000
23	0.40	0.000
24	0.40	0.000
Median	0.40	0.000
Std Dev	0.39	1.000
24	0.39	1.787
61	0.33	23.227

321.30		Acid Soluble Zinc
Lab	PPM	ICP
24	49.10	-2.347
Std Dev	41.01	-1.000
61	35.00	0.000
Median	35.00	0.000

61 33.00 0.333

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
24	49.10	-2.347
Std Dev	41.01	-1.000
61	35.00	0.000
Median	35.00	0.000
61	33.00	0.333

325.10		Fluoride
Lab	%	Electrode
23	3.77	-0.604
23	3.69	-0.302
32	3.66	-0.189
24	3.63	-0.075
34	3.61	0.000
Median	3.61	0.000
24	3.39	0.849
31	3.31	1.151
14	2.49	4.228
31	2.21	5.285

325.99		Fluoride
Lab	%	Other
61	3.84	-0.199
61	3.74	0.000
Median	3.74	0.000
14	2.49	2.481

325.XX		Fluoride
Lab	%	Total Method
61	3.84	-0.480
23	3.77	-0.335
61	3.74	-0.257
23	3.69	-0.156
32	3.66	-0.089
24	3.63	-0.022
Median	3.62	0.000
34	3.61	0.022
24	3.39	0.525
31	3.31	0.704
14	2.49	2.524
14	2.49	2.535

31 2.21 3.149