

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	11.94	-2.242
Std Dev	11.59	-1.000
49	11.32	0.000
Median	11.32	0.000
x	11.20	0.438

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	12.01	-0.910
24	12.00	-0.758
61	11.98	-0.607
24	11.96	-0.405
28	11.94	-0.202
28	11.94	-0.202
Median	11.92	0.000
34	11.90	0.202
23	11.89	0.354
23	11.84	0.860
32	11.83	0.961
140	11.83	0.961
Std Dev	11.82	1.000
38	11.19	7.433

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
61	12.01	-1.179
24	12.00	-1.018
Std Dev	11.99	-1.000
61	11.98	-0.858
24	11.96	-0.643
28	11.94	-0.429
28	11.94	-0.429
31	11.94	-0.375
34	11.90	0.000
Median	11.90	0.000
23	11.89	0.161
23	11.84	0.697
32	11.83	0.804
140	11.83	0.804
Std Dev	11.81	1.000
49	11.32	6.218
x	11.20	7.504

38 11.19 7.665

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
49	11.86	-1.443
Std Dev	11.85	-1.000
43	11.83	0.000
Median	11.83	0.000
Std Dev	11.80	1.000
43	11.80	1.237

010.12 Total Nitrogen		
Lab	Salicylic	
107	11.81	0.000
Median	11.81	0.000

010.60 Total Nitrogen		
Lab	Combustion	
66	12.09	-1.831
77	12.09	-1.831
65	12.04	-1.429
47	12.04	-1.385
Std Dev	11.99	-1.000
38	11.97	-0.804
9	11.97	-0.759
39	11.94	-0.536
49	11.92	-0.357
99	11.92	-0.313
29	11.91	-0.268
24	11.89	-0.045
64	11.88	0.000
Median	11.88	0.000
14	11.86	0.179
63	11.84	0.402
63	11.82	0.536
44	11.82	0.581
14	11.81	0.670
80	11.80	0.715
24	11.80	0.759
Std Dev	11.77	1.000
95	11.65	2.055
110	11.65	2.055
79	11.52	3.261
96	11.45	3.841

010.99 Total Nitrogen		
Lab	Other	
113	11.98	-0.404
40	11.96	-0.234
Median	11.93	0.000
32	11.90	0.234
Std Dev	11.81	1.000
x	11.51	3.552

010.XX Total Nitrogen		
Lab	Total Method	
66	12.09	-2.079
77	12.09	-2.079
65	12.04	-1.663
47	12.04	-1.617
113	11.98	-1.063
38	11.97	-1.017
Std Dev	11.97	-1.000
9	11.97	-0.970
40	11.96	-0.878
39	11.94	-0.739
49	11.92	-0.554
99	11.92	-0.508
29	11.91	-0.462
32	11.90	-0.370
24	11.89	-0.231
64	11.88	-0.185
14	11.86	0.000
49	11.86	0.000
Median	11.86	0.000
63	11.84	0.231
43	11.83	0.323
63	11.82	0.370
44	11.82	0.416
14	11.81	0.508
107	11.81	0.508
80	11.80	0.554
24	11.80	0.601
43	11.80	0.601
Std Dev	11.75	1.000
95	11.65	1.941
110	11.65	1.941
79	11.52	3.188

x 11.51 3.234
96 11.45 3.789

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
40	42.17	-2.530
Std Dev	41.86	-1.000
79	41.66	0.000
Median	41.66	0.000
241	41.63	0.150

020.20 Total Phosphate		
Lab	Spectrometric	
14	42.10	-2.025
14	42.07	-1.903
237	41.90	-1.227
Std Dev	41.84	-1.000
9	41.76	-0.655
24	41.75	-0.593
113	41.74	-0.573
34	41.72	-0.491
24	41.67	-0.266
31	41.65	-0.184
23	41.64	-0.164
140	41.62	-0.061
95	41.60	0.000
Median	41.60	0.000
32	41.60	0.020
23	41.55	0.225
99	41.51	0.389
244	41.47	0.532
43	41.44	0.675
61	41.37	0.941
61	41.37	0.941
Std Dev	41.36	1.000
110	41.30	1.227
220	41.20	1.624
43	40.93	2.762
x	40.88	2.946

020.40 Total Phosphate		
Lab	Automated	
28	43.42	-1.132
Std Dev	43.36	-1.000

96	42.94	0.000
Median	42.94	0.000
Std Dev	42.52	1.000
28	42.29	1.548

020.XX		Total Phosphate
Lab		Total Method
28	43.42	-8.202
96	42.94	-6.007
28	42.29	-3.003
40	42.17	-2.426
14	42.10	-2.102
14	42.07	-1.964
237	41.90	-1.201
Std Dev	41.86	-1.000
9	41.76	-0.554
24	41.75	-0.485
113	41.74	-0.462
34	41.72	-0.370
24	41.67	-0.116
79	41.66	-0.092
31	41.65	-0.023
23	41.64	0.000
Median	41.64	0.000
241	41.63	0.046
140	41.62	0.116
95	41.60	0.185
32	41.60	0.208
23	41.55	0.439
99	41.51	0.624
244	41.47	0.786
43	41.44	0.947
Std Dev	41.42	1.000
61	41.37	1.248
61	41.37	1.248
110	41.30	1.571
220	41.20	2.018
43	40.93	3.304
x	40.88	3.512

030.10		Insoluble Phosphate
Lab		Gravimetric Quimociac
79	0.06	0.000
Median	0.06	0.000

030.20		Insoluble Phosphate
Lab		Spectrometric
24	0.38	-1.315
43	0.37	-1.240
24	0.37	-1.208
Std Dev	0.34	-1.000
43	0.32	-0.896
14	0.21	-0.107
14	0.20	0.000
140	0.20	0.000
Median	0.20	0.000
23	0.15	0.320
32	0.15	0.320
61	0.13	0.444
23	0.13	0.498
61	0.10	0.690
Std Dev	0.05	1.000
113	0.02	1.280

030.30		Insoluble Phosphate
Lab		Alka. Quimociac
9	0.19	0.000
Median	0.19	0.000

030.40		Insoluble Phosphate
Lab		Automated
34	0.19	0.000
Median	0.19	0.000

030.99		Insoluble Phosphate
Lab		Other
28	0.55	-2.067
Std Dev	0.41	-1.000
28	0.28	0.000
Median	0.28	0.000
31	0.20	0.613

030.XX		Insoluble Phosphate
Lab		Total Method
28	0.55	-2.987
24	0.38	-1.557
43	0.37	-1.468
24	0.37	-1.430

43	0.32	-1.060
Std Dev	0.31	-1.000
28	0.28	-0.715
14	0.21	-0.126
31	0.20	-0.042
14	0.20	0.000
140	0.20	0.000
Median	0.20	0.000
9	0.19	0.042
34	0.19	0.084
23	0.15	0.379
32	0.15	0.379
61	0.13	0.526
23	0.13	0.589
61	0.10	0.816
Std Dev	0.08	1.000
79	0.06	1.178
113	0.02	1.515

040.10		Indirect Available Phosphate
Lab		Gravimetric Quimociac
79	41.61	0.000
Median	41.61	0.000

040.20		Indirect Available Phosphate
Lab		Spectrometric
14	41.86	-2.159
14	41.82	-1.936
113	41.73	-1.489
Std Dev	41.63	-1.000
9	41.57	-0.720
23	41.47	-0.199
31	41.45	-0.099
24	41.43	-0.025
Median	41.43	0.000
140	41.42	0.025
23	41.40	0.149
24	41.29	0.695
61	41.27	0.769
61	41.24	0.943
Std Dev	41.22	1.000
43	41.12	1.539
43	40.56	4.318

040.99		Indirect Available Phosphate	
Lab		Other	
34	41.53		-1.340
Std Dev	41.47		-1.000
Median	41.30		0.000
Std Dev	41.12		1.000
38	41.06		1.340

040.XX		Indirect Available Phosphate	
Lab		Total Method	
14	41.86		-1.921
14	41.82		-1.720
113	41.73		-1.318
Std Dev	41.65		-1.000
79	41.61		-0.782
9	41.57		-0.625
34	41.53		-0.447
23	41.47		-0.156
31	41.45		-0.067
24	41.43		0.000
Median	41.43		0.000
140	41.42		0.045
23	41.40		0.156
24	41.29		0.648
61	41.27		0.715
61	41.24		0.871
Std Dev	41.21		1.000
43	41.12		1.407
38	41.06		1.653
43	40.56		3.908

041.10		Direct Available Phosphate	
Lab		Gravimetric Quimociac	
107	42.48		-4.332
39	41.69		-1.028
Std Dev	41.68		-1.000
49	41.48		-0.156
Median	41.44		0.000
47	41.40		0.156
65	41.28		0.654
Std Dev	41.20		1.000
44	40.67		3.189

041.20 Direct Available Phosphate		
Lab	Spectrometric	
220	41.00	-1.340
Std Dev	40.91	-1.000
Median	40.62	0.000
Std Dev	40.33	1.000
47	40.23	1.340

041.40 Direct Available Phosphate		
Lab	Automated	
39	41.69	-1.340
Std Dev	41.67	-1.000
Median	41.61	0.000
Std Dev	41.56	1.000
49	41.54	1.340

041.50 Direct Available Phosphate		
Lab	ICP	
80	42.75	-4.282
Std Dev	41.59	-1.000
63	41.27	-0.085
Median	41.24	0.000
63	41.21	0.085
66	41.04	0.567

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
29	41.60	-0.638
65	41.59	-0.611
Median	41.36	0.000
64	41.14	0.611
Std Dev	40.99	1.000
77	40.97	1.055

041.XX Direct Available Phosphate		
Lab	Total Method	
80	42.75	-3.540
107	42.48	-2.862
Std Dev	41.74	-1.000
39	41.69	-0.866
39	41.69	-0.866
29	41.60	-0.653
65	41.59	-0.628
49	41.54	-0.502

49	41.48	-0.339
47	41.40	-0.151
Median	41.34	0.000
65	41.28	0.151
63	41.27	0.176
63	41.21	0.326
64	41.14	0.515
66	41.04	0.753
220	41.00	0.844
77	40.97	0.929
Std Dev	40.94	1.000
44	40.67	1.682
47	40.23	2.787

048.10 Water Soluble Phosphate		
Lab	Gravimetric Quimociac	
79	36.71	0.000
Median	36.71	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
9	36.76	-1.176
Std Dev	36.72	-1.000
113	36.71	-0.945
23	36.70	-0.899
31	36.69	-0.852
140	36.67	-0.737
24	36.63	-0.552
43	36.63	-0.552
32	36.61	-0.460
220	36.51	0.000
Median	36.51	0.000
43	36.46	0.210
23	36.46	0.234
14	36.40	0.488
24	36.38	0.603
14	36.34	0.788
61	36.32	0.880
Std Dev	36.29	1.000
244	36.24	1.227
61	36.14	1.712

048.99 Water Soluble Phosphate		
Lab	Other	

34	36.57	0.000
Median	36.57	0.000

048.XX Water Soluble Phosphate		
Lab	Total Method	
9	36.76	-0.878
79	36.71	-0.647
113	36.71	-0.647
23	36.70	-0.601
31	36.69	-0.554
140	36.67	-0.439
24	36.63	-0.254
43	36.63	-0.254
32	36.61	-0.162
34	36.57	0.000
Median	36.57	0.000
220	36.51	0.298
43	36.46	0.508
23	36.46	0.531
14	36.40	0.786
24	36.38	0.901
Std Dev	36.35	1.000
14	36.34	1.086
61	36.32	1.178
244	36.24	1.525
61	36.14	2.010

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
9	0.12	-2.680
Std Dev	0.12	-1.000
23	0.12	0.000
23	0.12	0.000
Median	0.12	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
61	0.15	-4.175
61	0.15	-4.175
Std Dev	0.12	-1.000
43	0.11	-0.144
43	0.11	-0.070
Median	0.11	0.000
24	0.11	0.070

24	0.11	0.070
28	0.10	0.542
Std Dev	0.10	1.000
28	0.10	1.014

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
61	0.15	0.000
61	0.15	0.000
9	0.12	0.000
23	0.12	0.000
23	0.12	0.000
Std Dev	0.00	-1.000
43	0.11	0.000
Median	0.00	0.000
43	0.11	0.000
24	0.11	0.000
24	0.11	0.000
28	0.10	0.000
Std Dev	0.00	1.000
28	0.10	0.000

060.00 Free Water		
Lab	Vacuum Oven	
28	1.25	-1.377
31	1.25	-1.377
x	1.23	-1.259
24	1.23	-1.230
Std Dev	1.19	-1.000
28	1.17	-0.879
220	1.08	-0.395
24	1.05	-0.205
14	1.05	-0.176
14	1.04	-0.117
113	1.02	0.000
Median	1.02	0.000
9	1.00	0.117
23	0.99	0.146
79	0.96	0.322
23	0.90	0.674
43	0.89	0.732
43	0.88	0.791
32	0.87	0.849
34	0.86	0.908

Std Dev	0.84	1.000
140	0.74	1.611

060.10 Free Water		
Lab	Vacuum Desiccator	

61	0.93	-1.314
Std Dev	0.90	-1.000
237	0.81	0.000
Median	0.81	0.000
Std Dev	0.71	1.000
61	0.68	1.366

060.XX Free Water		
Lab	Total Method	

28	1.25	-1.798
31	1.25	-1.798
x	1.23	-1.659
24	1.23	-1.624
28	1.17	-1.205
Std Dev	1.14	-1.000
220	1.08	-0.629
24	1.05	-0.402
14	1.05	-0.367
14	1.04	-0.297
113	1.02	-0.157
9	1.00	-0.017
Median	0.99	0.000
23	0.99	0.017
79	0.96	0.227
61	0.93	0.436
23	0.90	0.646
43	0.89	0.716
43	0.88	0.786
32	0.87	0.856
34	0.86	0.925
Std Dev	0.85	1.000
237	0.81	1.309
140	0.74	1.763
61	0.68	2.217

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP

44	1.68	-69.202
31	0.49	-9.562

28	0.37	-3.523
61	0.34	-1.762
23	0.32	-1.007
28	0.32	-1.007
34	0.32	-1.007
61	0.32	-1.007
Std Dev	0.32	-1.000
23	0.32	-0.755
9	0.30	0.000
14	0.30	0.000
14	0.30	0.000
24	0.30	0.000
237	0.30	0.000
Median	0.30	0.000
32	0.30	0.252
39	0.29	0.579
43	0.28	0.941
Std Dev	0.28	1.000
43	0.28	1.180
24	0.28	1.258
79	0.28	1.258

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method

44	1.68	-69.202
31	0.49	-9.562
28	0.37	-3.523
61	0.34	-1.762
23	0.32	-1.007
28	0.32	-1.007
34	0.32	-1.007
61	0.32	-1.007
Std Dev	0.32	-1.000
23	0.32	-0.755
9	0.30	0.000
14	0.30	0.000
14	0.30	0.000
24	0.30	0.000
237	0.30	0.000
Median	0.30	0.000
32	0.30	0.252
39	0.29	0.579
43	0.28	0.941
Std Dev	0.28	1.000

43	0.28	1.180
24	0.28	1.258
79	0.28	1.258

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP

44	0.80	-4.282
241	0.73	-2.624
34	0.66	-1.061
Std Dev	0.66	-1.000
23	0.66	-0.949
23	0.64	-0.614
24	0.64	-0.614
28	0.64	-0.502
28	0.63	-0.391
24	0.63	-0.279
32	0.62	-0.056
Median	0.61	0.000
14	0.61	0.056
14	0.61	0.056
237	0.60	0.279
39	0.59	0.547
31	0.59	0.614
Std Dev	0.57	1.000
61	0.57	1.061
61	0.56	1.173
9	0.51	2.289
43	0.50	2.513
43	0.49	2.736

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method

44	0.80	-4.282
241	0.73	-2.624
34	0.66	-1.061
Std Dev	0.66	-1.000
23	0.66	-0.949
23	0.64	-0.614
24	0.64	-0.614
28	0.64	-0.502
28	0.63	-0.391
24	0.63	-0.279
32	0.62	-0.056
Median	0.61	0.000

14	0.61	0.056
14	0.61	0.056
237	0.60	0.279
39	0.59	0.547
31	0.59	0.614
Std Dev	0.57	1.000
61	0.57	1.061
61	0.56	1.173
9	0.51	2.289
43	0.50	2.513
43	0.49	2.736

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	

79	5.28	-1.246
220	5.28	-1.235
Std Dev	5.24	-1.000
61	5.14	-0.290
Median	5.10	0.000
61	5.06	0.290
244	5.05	0.358
140	5.00	0.666

144.99 Sulfate Sulfur (S)		
Lab	Other	

28	5.27	-1.601
Std Dev	5.14	-1.000
43	5.14	-0.987
43	5.13	-0.938
28	5.11	-0.841
34	5.02	-0.402
32	5.02	-0.386
96	5.00	-0.305
40	4.95	-0.061
Median	4.94	0.000
38	4.93	0.061
23	4.89	0.231
23	4.81	0.646
9	4.77	0.816
24	4.76	0.865
24	4.75	0.914
Std Dev	4.73	1.000
66	4.59	1.693
237	4.50	2.156

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
79	5.28	-1.219
220	5.28	-1.211
28	5.27	-1.156
Std Dev	5.23	-1.000
43	5.14	-0.591
61	5.14	-0.591
43	5.13	-0.546
28	5.11	-0.456
61	5.06	-0.209
244	5.05	-0.164
34	5.02	-0.052
32	5.02	-0.037
Median	5.01	0.000
96	5.00	0.037
140	5.00	0.037
40	4.95	0.262
38	4.93	0.374
23	4.89	0.531
23	4.81	0.912
Std Dev	4.79	1.000
9	4.77	1.069
24	4.76	1.114
24	4.75	1.159
66	4.59	1.876
237	4.50	2.302

145.99 Total Sulfur (S)		
Lab	Other	
63	10.88	-2.397
63	10.85	-2.319
Std Dev	10.33	-1.000
23	10.14	-0.503
34	10.10	-0.399
140	10.05	-0.258
23	10.03	-0.219
66	9.95	0.000
Median	9.95	0.000
77	9.70	0.631
14	9.59	0.915
14	9.58	0.941
79	9.57	0.979

Std Dev	9.56	1.000
9	8.65	3.337
x	5.41	11.699

145.XX Total Sulfur (S)		
Lab	Total Method	
63	10.88	-2.397
63	10.85	-2.319
Std Dev	10.33	-1.000
23	10.14	-0.503
34	10.10	-0.399
140	10.05	-0.258
23	10.03	-0.219
66	9.95	0.000
Median	9.95	0.000
77	9.70	0.631
14	9.59	0.915
14	9.58	0.941
79	9.57	0.979
Std Dev	9.56	1.000
9	8.65	3.337
x	5.41	11.699

151.30 Total Arsenic		
Lab	ICP	
79	9.50	-1.314
Std Dev	9.14	-1.000
24	8.53	-0.464
28	8.00	0.000
Median	8.00	0.000
28	7.00	0.876
Std Dev	6.86	1.000
61	5.30	2.365

151.XX Total Arsenic		
Lab	Total Method	
79	9.50	-1.314
Std Dev	9.14	-1.000
24	8.53	-0.464
28	8.00	0.000
Median	8.00	0.000
28	7.00	0.876
Std Dev	6.86	1.000
61	5.30	2.365

165.99 Acid Soluble Boron			
Lab	PPM	Other	
24	36.20	0.000	
Median	36.20	0.000	

165.XX, ppm Acid Soluble Boron			
Lab	PPM	Total Method	
24	36.20	0.000	
Median	36.20	0.000	

181.30 Total Cadmium			
Lab	PPM	ICP	
28	6.00	-6.164	
Std Dev	4.07	-1.000	
61	4.00	-0.804	
61	4.00	-0.804	
9	3.80	-0.268	
237	3.70	0.000	
Median	3.70	0.000	
43	3.50	0.536	
79	3.50	0.536	
28	3.35	0.938	
Std Dev	3.33	1.000	
43	3.30	1.072	

181.99 Total Cadmium			
Lab	Other		
24	3.64	0.000	
Median	3.64	0.000	

181.XX Total Cadmium			
Lab	PPM	Total Method	
28	6.00	-6.946	
Std Dev	4.00	-1.000	
61	4.00	-0.990	
61	4.00	-0.990	
9	3.80	-0.395	
237	3.70	-0.097	
Median	3.67	0.000	
24	3.64	0.097	
43	3.50	0.499	
79	3.50	0.499	
28	3.35	0.945	

Std Dev	3.33	1.000
43	3.30	1.094

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
28	1.46	-1.098
28	1.46	-1.098
Std Dev	1.45	-1.000
9	1.45	-0.923
14	1.44	-0.747
23	1.44	-0.747
14	1.44	-0.659
32	1.42	-0.308
34	1.41	-0.220
237	1.40	-0.044
Median	1.40	0.000
23	1.40	0.044
79	1.40	0.044
24	1.38	0.395
24	1.37	0.483
241	1.36	0.659
Std Dev	1.34	1.000
61	1.32	1.450
61	1.30	1.713
43	1.29	1.977
43	1.25	2.592

190.99 Aluminum		
Lab	%Al ₂ O ₃	Atomic Absorption
31	1.36	0.000
Median	1.36	0.000

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
28	1.46	-1.124
28	1.46	-1.124
Std Dev	1.45	-1.000
9	1.45	-0.951
14	1.44	-0.778
23	1.44	-0.778
14	1.44	-0.692
32	1.42	-0.346
34	1.41	-0.259
237	1.40	-0.086

23	1.40	0.000
79	1.40	0.000
Median	1.40	0.000
24	1.38	0.346
24	1.37	0.432
31	1.36	0.605
241	1.36	0.605
Std Dev	1.34	1.000
61	1.32	1.383
61	1.30	1.643
43	1.29	1.902
43	1.25	2.507

191.30 Total Chromium		
Lab	ICP	
28	99.00	-5.360
28	77.40	-1.742
Std Dev	72.97	-1.000
9	71.50	-0.754
79	70.00	-0.503
237	69.50	-0.419
Median	67.00	0.000
43	64.50	0.419
61	63.50	0.586
43	63.00	0.670
61	62.50	0.754
31	61.50	0.921

191.99 Total Chromium		
Lab	PPM	Other
24	64.55	0.000
Median	64.55	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
28	99.00	-6.155
28	77.40	-2.296
9	71.50	-1.242
Std Dev	70.15	-1.000
79	70.00	-0.974
237	69.50	-0.884
24	64.55	0.000
Median	64.55	0.000
43	64.50	0.009

61	63.50	0.188
43	63.00	0.277
61	62.50	0.366
31	61.50	0.545

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
28	10.00	-20.844
64	3.54	-1.593
28	3.45	-1.340
9	3.40	-1.191
Std Dev	3.34	-1.000
43	3.00	0.000
43	3.00	0.000
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
Std Dev	2.66	1.000
237	2.50	1.489

202.99 Acid Soluble Cobalt		
Lab	Other	
24	2.77	0.000
Median	2.77	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
28	10.00	-21.440
64	3.54	-1.639
28	3.45	-1.378
9	3.40	-1.225
Std Dev	3.33	-1.000
43	3.00	0.000
43	3.00	0.000
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
24	2.77	0.704
Std Dev	2.67	1.000
237	2.50	1.531

221.00 Acid Soluble Copper		
Lab	Atomic Absorption	
241	1.40	0.000

Median	1.40	0.000
---------------	-------------	--------------

221.30 Acid Soluble Copper		
Lab	PPM	ICP
28	12.00	-6.251
Std Dev	4.17	-1.000
61	3.50	-0.553
61	3.50	-0.553
28	3.35	-0.452
Median	2.68	0.000
43	2.00	0.452
43	2.00	0.452
Std Dev	1.18	1.000
34	0.00	1.790
44	0.00	1.793

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
28	12.00	-6.251
Std Dev	4.17	-1.000
61	3.50	-0.553
61	3.50	-0.553
28	3.35	-0.452
Median	2.68	0.000
43	2.00	0.452
43	2.00	0.452
Std Dev	1.18	1.000
34	0.00	1.790
44	0.00	1.793

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
28	1.46	-1.649
23	1.43	-1.134
Std Dev	1.42	-1.000
34	1.42	-0.928
44	1.42	-0.928
28	1.42	-0.825
23	1.41	-0.618
24	1.40	-0.515
237	1.40	-0.515
32	1.38	-0.103
39	1.38	-0.103
Median	1.38	0.000

24	1.37	0.103
14	1.37	0.206
14	1.36	0.309
9	1.35	0.618
79	1.35	0.618
31	1.34	0.825
43	1.33	0.928
Std Dev	1.33	1.000
43	1.33	1.031
61	1.27	2.165
61	1.27	2.268

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
28	1.46	-1.675
23	1.43	-1.117
Std Dev	1.42	-1.000
34	1.42	-0.893
44	1.42	-0.893
28	1.42	-0.782
23	1.41	-0.558
24	1.40	-0.447
237	1.40	-0.447
241	1.40	-0.447
32	1.38	0.000
39	1.38	0.000
Median	1.38	0.000
24	1.37	0.223
14	1.37	0.335
14	1.36	0.447
9	1.35	0.782
79	1.35	0.782
Std Dev	1.34	1.000
31	1.34	1.005
43	1.33	1.117
43	1.33	1.228
61	1.27	2.457
61	1.27	2.568

251.30 Total Lead		
Lab	PPM	ICP
237	2.05	-1.407
28	2.00	-1.340
Std Dev	1.75	-1.000

43	1.50	-0.670
43	1.00	0.000
79	1.00	0.000
Median	1.00	0.000
61	0.50	0.670
Std Dev	0.25	1.000
61	0.14	1.159

251.99	Total Lead	
Lab		Other
24	1.48	0.000
Median	1.48	0.000

251.XX	Total Lead	
Lab	PPM	Total Method
237	2.05	-1.447
28	2.00	-1.358
Std Dev	1.80	-1.000
43	1.50	-0.465
24	1.48	-0.429
Median	1.24	0.000
43	1.00	0.429
79	1.00	0.429
Std Dev	0.68	1.000
61	0.50	1.322
61	0.14	1.974

261.30	Acid Soluble Manganese	
Lab		ICP
44	306.50	-7.652
Std Dev	276.07	-1.000
64	275.63	-0.903
9	271.50	0.000
Median	271.50	0.000
39	269.50	0.437
Std Dev	266.93	1.000
31	240.50	6.778

261.99	Acid Soluble Manganese	
Lab	PPM	Other
28	331.00	-3.158
28	303.55	-1.902
Std Dev	283.85	-1.000
43	263.00	-0.046

43	262.00	0.000
Median	262.00	0.000
24	256.00	0.275
61	252.00	0.458
61	250.50	0.526

261.XX	Acid Soluble Manganese	
Lab	PPM	Total Method
28	331.00	-3.143
44	306.50	-1.954
28	303.55	-1.810
Std Dev	286.85	-1.000
64	275.63	-0.455
9	271.50	-0.255
39	269.50	-0.158
Median	266.25	0.000
43	263.00	0.158
43	262.00	0.206
24	256.00	0.497
61	252.00	0.692
61	250.50	0.764
Std Dev	245.65	1.000
31	240.50	1.250

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	19.50	-5.218
28	14.00	-1.234
Std Dev	13.68	-1.000
28	13.25	-0.691
61	13.00	-0.510
64	12.30	0.000
Median	12.30	0.000
237	11.50	0.577

43	11.40	0.649
43	11.00	0.939
Std Dev	10.92	1.000
9	9.15	2.279

289.99	Total Molybdenum	
Lab	PPM	Other
24	12.90	0.000
Median	12.90	0.000

289.XX	Total Molybdenum	
Lab	PPM	Total Method
61	19.50	-5.247
28	14.00	-1.066
Std Dev	13.91	-1.000
28	13.25	-0.496
61	13.00	-0.305
24	12.90	-0.229
Median	12.60	0.000
64	12.30	0.229
237	11.50	0.835
43	11.40	0.911
Std Dev	11.28	1.000
43	11.00	1.215
9	9.15	2.622

291.30	Total Nickel	
Lab		ICP
28	25.00	-9.112
28	18.05	-2.903
Std Dev	15.92	-1.000
237	15.00	-0.179
64	14.81	-0.008
9	14.80	0.000
Median	14.80	0.000
61	14.00	0.715
Std Dev	13.68	1.000
43	13.50	1.161
61	13.50	1.161
43	13.00	1.608

291.99	Total Nickel	
Lab	PPM	Other
24	16.15	0.000

Median	16.15	0.000
--------	-------	-------

291.XX	Total Nickel	
Lab	PPM	Total Method
28	25.00	-6.106
28	18.05	-1.944
Std Dev	16.47	-1.000
24	16.15	-0.806
237	15.00	-0.117
64	14.81	-0.003
Median	14.80	0.000
9	14.80	0.003
61	14.00	0.482
43	13.50	0.781
61	13.50	0.781
Std Dev	13.13	1.000
43	13.00	1.081

301.30	Total Selenium	
Lab	PPM	ICP
24	<0.50	0.000
28	1.00	-1.340
Std Dev	0.89	-1.000
Median	0.58	0.000
Std Dev	0.26	1.000
28	0.15	1.340

301.XX	Total Selenium	
Lab	PPM	Total Method
24	<0.50	0.000
28	1.00	-1.340
Std Dev	0.89	-1.000
Median	0.58	0.000
Std Dev	0.26	1.000
28	0.15	1.340

311.00	Sodium	
Lab	%Na ₂ O	Atomic Absorbion
28	0.35	-1.675
Std Dev	0.32	-1.000
61	0.28	-0.112
Median	0.28	0.000
61	0.27	0.112
Std Dev	0.23	1.000

28 0.14 3.015

311.99 Lab	%Na ₂ O	Sodium Other
---------------	--------------------	-----------------

23	0.19	-1.084
Std Dev	0.19	-1.000
24	0.18	-0.596
23	0.17	-0.361
24	0.16	0.000
Median	0.16	0.000
43	0.14	0.818
9	0.14	0.904
Std Dev	0.13	1.000
43	0.13	1.062

311.XX Lab	%Na ₂ O	Sodium Total Method
---------------	--------------------	------------------------

28	0.35	-2.641
61	0.28	-1.614
61	0.27	-1.467
Std Dev	0.24	-1.000
23	0.19	-0.293
24	0.18	-0.095
23	0.17	0.000
Median	0.17	0.000
24	0.16	0.147
28	0.14	0.440
43	0.14	0.479
9	0.14	0.514
43	0.13	0.578

321.00 Lab	Acid Soluble Zinc Atomic Absorption
---------------	--

140	1.10	-2.330
241	1.06	-1.589
Std Dev	1.03	-1.000
47	0.99	-0.106
Median	0.99	0.000
29	0.98	0.106
x	0.98	0.127
77	0.97	0.254

321.30 Lab	PPM	Acid Soluble Zinc ICP
---------------	-----	--------------------------

9	9411.50	#####
40	1106.50	#####
28	1.26	-3.103
28	1.20	-2.257
Std Dev	1.11	-1.000
96	1.10	-0.846
34	1.08	-0.564
23	1.07	-0.353
79	1.07	-0.353
23	1.06	-0.212
64	1.04	0.000
Median	1.04	0.000
66	1.04	0.035
24	1.01	0.423
39	1.01	0.423
24	1.00	0.564
237	0.99	0.705
44	0.98	0.846
Std Dev	0.97	1.000
38	0.94	1.411
61	0.94	1.411
61	0.93	1.552

321.99 Lab	Acid Soluble Zinc Other
---------------	----------------------------

43	1.03	0.000
Median	1.03	0.000

321.XX Lab	PPM	Acid Soluble Zinc Total Method
---------------	-----	-----------------------------------

9	9411.50	#####
40	1106.50	#####
28	1.26	-3.234
28	1.20	-2.376
Std Dev	1.10	-1.000
96	1.10	-0.947
140	1.10	-0.875
34	1.08	-0.661
23	1.07	-0.447
79	1.07	-0.447
241	1.06	-0.375
23	1.06	-0.304
64	1.04	-0.089
66	1.04	-0.054

Median 1.03 0.000

43	1.03	0.054
24	1.01	0.339
39	1.01	0.339
24	1.00	0.482
47	0.99	0.625
237	0.99	0.625
29	0.98	0.768
44	0.98	0.768
x	0.98	0.783
77	0.97	0.868
Std Dev	0.96	1.000
38	0.94	1.340
61	0.94	1.340
61	0.93	1.483

325.10 Lab	%	Fluoride Electrode
---------------	---	-----------------------

28	1.82	-2.603
32	1.73	-1.675
220	1.72	-1.572
14	1.66	-0.902
14	1.65	-0.850
23	1.64	-0.696
237	1.57	-0.026
Median	1.57	0.000
24	1.57	0.026
23	1.54	0.283
24	1.54	0.335
28	1.52	0.490
31	1.50	0.747
34	1.43	1.417
x	1.26	3.139

325.30 Lab	Fluoride Distilled/Electrode
---------------	---------------------------------

9	1.39	0.000
Median	1.39	0.000

325.99 Lab	%	Fluoride Other
---------------	---	-------------------

61	1.58	-1.340
Median	1.52	0.000
61	1.46	1.340

325.XX Lab	%	Fluoride Total Method
---------------	---	--------------------------

28	1.82	-2.205
32	1.73	-1.426
220	1.72	-1.340
14	1.66	-0.778
14	1.65	-0.735
23	1.64	-0.605
61	1.58	-0.130
237	1.57	-0.043
24	1.57	0.000
Median	1.57	0.000
23	1.54	0.216
24	1.54	0.259
28	1.52	0.389
31	1.50	0.605
61	1.46	0.908
34	1.43	1.167
9	1.39	1.556
x	1.26	2.611