

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
237	17.45	-1.340
Std Dev	17.43	-1.000
Median	17.36	0.000
Std Dev	17.29	1.000
49	17.27	1.340

001.99 Ammoniacal Nitrogen		
Lab	Other	
124	17.90	-3.763
99	17.78	-2.338
Std Dev	17.66	-1.000
28	17.64	-0.741
28	17.64	-0.741
31	17.63	-0.627
28	17.59	-0.228
Median	17.57	0.000
61	17.55	0.228
24	17.52	0.570
61	17.52	0.570
24	17.51	0.684
Std Dev	17.48	1.000
18	17.22	3.991
38	16.48	12.431

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
124	17.90	-2.920
99	17.78	-1.920
Std Dev	17.66	-1.000
28	17.64	-0.800
28	17.64	-0.800
31	17.63	-0.720
28	17.59	-0.440
61	17.55	-0.120
Median	17.54	0.000
24	17.52	0.120
61	17.52	0.120
24	17.51	0.200
237	17.45	0.680
Std Dev	17.41	1.000
49	17.27	2.160
18	17.22	2.520

38	16.48	8.440
010.10 Total Nitrogen		
Lab	Reduced Iron	
40	18.18	0.000
Median	18.18	0.000

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
79	18.23	-17.346
18	17.69	-1.117
Std Dev	17.68	-1.000
18	17.66	-0.223
Median	17.65	0.000
43	17.64	0.223
43	17.63	0.521
49	17.63	0.670

010.12 Total Nitrogen		
Lab	Salicylic	
107	17.61	-1.340
Std Dev	17.52	-1.000
Median	17.28	0.000
Std Dev	17.04	1.000
119	16.96	1.340

010.60 Total Nitrogen		
Lab	Combustion	
270	20.15	-19.240
96	18.30	-4.440
237	18.15	-3.240
Std Dev	17.87	-1.000
63	17.87	-1.000
63	17.83	-0.680
14	17.83	-0.640
14	17.80	-0.440
80	17.80	-0.440
31	17.80	-0.400
65	17.79	-0.320
47	17.76	-0.120
75	17.76	-0.120
9	17.76	-0.080
49	17.75	0.000
Median	17.75	0.000

44	17.73	0.120
77	17.73	0.120
42	17.71	0.280
66	17.68	0.560
103	17.67	0.640
24	17.65	0.760
Std Dev	17.62	1.000
24	17.62	1.040
35	17.61	1.120
39	17.61	1.120
38	17.58	1.320
102	17.53	1.720
95	17.50	1.960
87	16.99	6.080

010.99 Total Nitrogen		
Lab	Other	
23	17.61	-1.675
Std Dev	17.60	-1.000
23	17.59	0.000
Median	17.59	0.000
Std Dev	17.57	1.000
34	17.57	1.005

010.XX Total Nitrogen		
Lab	Total Method	
270	20.15	-17.385
96	18.30	-4.337
79	18.23	-3.844
40	18.18	-3.456
237	18.15	-3.279
63	17.87	-1.305
63	17.83	-1.023
Std Dev	17.83	-1.000
14	17.83	-0.987
14	17.80	-0.811
80	17.80	-0.811
31	17.80	-0.776
65	17.79	-0.705
47	17.76	-0.529
75	17.76	-0.529
9	17.76	-0.494
49	17.75	-0.423
44	17.73	-0.317

77	17.73	-0.317
42	17.71	-0.176
18	17.69	0.000
Median	17.69	0.000
66	17.68	0.071
103	17.67	0.141
18	17.66	0.212
24	17.65	0.247
43	17.64	0.317
43	17.63	0.388
49	17.63	0.423
24	17.62	0.494
23	17.61	0.529
35	17.61	0.564
39	17.61	0.564
107	17.61	0.564
23	17.59	0.705
38	17.58	0.741
34	17.57	0.811
Std Dev	17.54	1.000
102	17.53	1.093
95	17.50	1.305
87	16.99	4.937
119	16.96	5.113

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
103	48.49	-4.406
40	47.11	-1.263
Std Dev	47.00	-1.000
79	46.64	-0.177
Median	46.56	0.000
241	46.48	0.177
18	46.38	0.406
Std Dev	46.12	1.000
35	45.81	1.709

020.20 Total Phosphate		
Lab	Spectrometric	
9	46.78	-2.186
18	46.71	-1.980
237	46.60	-1.631
99	46.53	-1.393
Std Dev	46.40	-1.000

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24	46.40	-0.996
24	46.33	-0.759
31	46.26	-0.552
34	46.23	-0.457
220	46.12	-0.114
Median	46.09	0.000
110	46.05	0.114
244	46.02	0.209
43	45.99	0.304
43	45.99	0.320
23	45.95	0.431
23	45.90	0.605
Std Dev	45.77	1.000
102	45.56	1.684
95	45.00	3.444
270	23.04	73.092

020.40 Total Phosphate Automated		
Lab		
9	46.76	-2.981
Std Dev	46.46	-1.000
14	46.33	-0.101
14	46.31	0.000
Median	46.31	0.000
Std Dev	46.16	1.000
61	46.13	1.240
61	46.12	1.273

020.99 Total Phosphate Other		
Lab		
96	48.45	-7.839
124	46.74	-1.604
Std Dev	46.57	-1.000
28	46.30	0.000
28	46.30	0.000
Median	46.30	0.000
28	46.25	0.182
Std Dev	46.03	1.000
28	31.50	53.965

020.XX Total Phosphate Total Method		
Lab		
103	48.49	-5.252
96	48.45	-5.168

40	47.11	-1.947
9	46.78	-1.142
9	46.76	-1.094
124	46.74	-1.058
Std Dev	46.72	-1.000
18	46.71	-0.985
79	46.64	-0.805
237	46.60	-0.721
99	46.53	-0.541
241	46.48	-0.433
24	46.40	-0.240
18	46.38	-0.192
14	46.33	-0.060
24	46.33	-0.060
14	46.31	-0.024
28	46.30	0.000
28	46.30	0.000
Median	46.30	0.000
31	46.26	0.096
28	46.25	0.120
34	46.23	0.168
61	46.13	0.421
220	46.12	0.429
61	46.12	0.433
110	46.05	0.601
244	46.02	0.673
43	45.99	0.745
43	45.99	0.757
23	45.95	0.841
23	45.90	0.973
Std Dev	45.88	1.000
35	45.81	1.178
102	45.56	1.791
95	45.00	3.125
28	31.50	35.573
270	23.04	55.907

030.10 Insoluble Phosphate Gravimetric Quimociac		
Lab		
79	0.19	0.000
Median	0.19	0.000

030.20 Insoluble Phosphate Spectrometric		
Lab		
31	0.30	-1.237
43	0.29	-1.031
Std Dev	0.28	-1.000
43	0.26	-0.722
24	0.23	-0.206
9	0.21	0.000
Median	0.21	0.000
24	0.20	0.137
23	0.17	0.618
23	0.15	0.825
Std Dev	0.14	1.000
18	0.12	1.237

030.10 Insoluble Phosphate Gravimetric Quimociac		
Lab		
79	0.19	0.000
Median	0.19	0.000

030.20 Insoluble Phosphate Spectrometric		
Lab		
31	0.30	-1.237
43	0.29	-1.031
Std Dev	0.28	-1.000
43	0.26	-0.722
24	0.23	-0.206
9	0.21	0.000
Median	0.21	0.000
24	0.20	0.137
23	0.17	0.618
23	0.15	0.825
Std Dev	0.14	1.000
18	0.12	1.237

030.40 Insoluble Phosphate Automated		
Lab		
61	0.23	-1.675
Std Dev	0.19	-1.000
34	0.17	-0.670
61	0.13	0.000
Median	0.13	0.000
14	0.09	0.670
14	0.09	0.754

030.99 Insoluble Phosphate Other		
Lab		
28	0.26	0.000
28	0.26	0.000
Median	0.26	0.000
Std Dev	0.24	1.000
28	0.23	2.680

030.XX Insoluble Phosphate Total Method		
Lab		
31	0.30	-1.340
43	0.29	-1.128
Std Dev	0.28	-1.000
43	0.26	-0.811
28	0.26	-0.705
28	0.26	-0.705
61	0.23	-0.353
24	0.23	-0.282
28	0.23	-0.282
9	0.21	-0.071
Median	0.21	0.000

040.20 Indirect Available Phosphate Spectrometric		
Lab		
18	46.58	-0.949
9	46.57	-0.918
9	46.55	-0.876
18	46.27	-0.302
24	46.18	-0.104
24	46.13	0.000
Median	46.13	0.000
31	45.96	0.344
23	45.80	0.678
23	45.73	0.824
43	45.73	0.834
43	45.70	0.886

040.40 Indirect Available Phosphate Automated		
Lab		
14	46.24	-0.677
14	46.22	-0.572
Median	46.11	0.000
61	46.00	0.572
Std Dev	45.92	1.000
61	45.87	1.249

040.99 Indirect Available Phosphate Other		
Lab		
79	46.45	-0.559
34	46.06	0.000
Median	46.06	0.000
Std Dev	45.37	1.000
38	44.60	2.121

040.99 Indirect Available Phosphate Other		
Lab		
79	46.45	-0.559
34	46.06	0.000
Median	46.06	0.000
Std Dev	45.37	1.000
38	44.60	2.121

040.99 Indirect Available Phosphate Other		
Lab		
79	46.45	-0.559
34	46.06	0.000
Median	46.06	0.000
Std Dev	45.37	1.000
38	44.60	2.121

040.99 Indirect Available Phosphate Other		
Lab		
79	46.45	-0.559
34	46.06	0.000
Median	46.06	0.000
Std Dev	45.37	1.000
38	44.60	2.121

040.99 Indirect Available Phosphate Other		
Lab		
79	46.45	-0.559
34	46.06	0.000
Median	46.06	0.000
Std Dev	45.37	1.000
38	44.60	2.121

040.XX Indirect Available Phosphate		
Lab	Total Method	
18	46.58	-1.468
9	46.57	-1.423
9	46.55	-1.363
79	46.45	-1.061
Std Dev	46.42	-1.000
18	46.27	-0.534
14	46.24	-0.444
14	46.22	-0.384
24	46.18	-0.248
24	46.13	-0.098
Median	46.09	0.000
34	46.06	0.098
61	46.00	0.279
31	45.96	0.399
61	45.87	0.670
23	45.80	0.881
Std Dev	45.76	1.000
23	45.73	1.092
43	45.73	1.107
43	45.70	1.182
38	44.60	4.494

041.10 Direct Available Phosphate		
Lab	Gravimetric Quimociac	
87	46.70	-0.557
44	46.55	-0.129
39	46.54	-0.100
49	46.53	-0.071
Median	46.51	0.000
47	46.48	0.071
65	46.16	0.986
Std Dev	46.16	1.000
107	45.82	1.972
119	45.64	2.473

041.20 Direct Available Phosphate		
Lab	Spectrometric	
237	45.70	-0.616
47	45.61	0.000
Median	45.61	0.000
Std Dev	45.46	1.000
220	45.31	2.064

041.40 Direct Available Phosphate		
Lab	Automated	
39	46.59	-2.380
Std Dev	46.29	-1.000
42	46.07	0.000
Median	46.07	0.000
49	46.01	0.300

041.50 Direct Available Phosphate		
Lab	ICP	
63	46.99	-1.385
63	46.88	-1.261
Std Dev	46.65	-1.000
66	45.77	0.000
Median	45.77	0.000
80	45.70	0.079
Std Dev	44.89	1.000
87	44.54	1.397

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
77	46.65	-1.340
Std Dev	46.59	-1.000
Median	46.43	0.000
Std Dev	46.26	1.000
65	46.20	1.340

041.XX Direct Available Phosphate		
Lab	Total Method	
63	46.99	-1.308
63	46.88	-1.135
Std Dev	46.79	-1.000
87	46.70	-0.851
77	46.65	-0.772
39	46.59	-0.670
44	46.55	-0.615
39	46.54	-0.599
49	46.53	-0.583
47	46.48	-0.504
65	46.20	-0.063
65	46.16	0.000
Median	46.16	0.000
42	46.07	0.142

49	46.01	0.244
107	45.82	0.544
66	45.77	0.615
80	45.70	0.725
237	45.70	0.725
119	45.64	0.820
47	45.61	0.867
Std Dev	45.53	1.000
220	45.31	1.343
87	44.54	2.554

048.10 Water Soluble Phosphate		
Lab	Gravimetric Quimociac	
79	41.56	0.000
Median	41.56	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
9	42.47	-1.799
31	42.28	-1.265
124	42.23	-1.120
Std Dev	42.19	-1.000
24	41.94	-0.282
24	41.91	-0.195
18	41.86	-0.036
Median	41.84	0.000
23	41.83	0.036
23	41.78	0.181
43	41.58	0.759
Std Dev	41.50	1.000
220	41.46	1.118
43	41.43	1.207
244	40.56	3.707

048.99 Water Soluble Phosphate		
Lab	Other	
34	41.93	-15.633
Std Dev	41.60	-1.000
14	41.60	-0.893
61	41.58	0.000
Median	41.58	0.000
14	41.57	0.447
Std Dev	41.56	1.000
61	41.44	6.253

048.XX Water Soluble Phosphate		
Lab	Total Method	
9	42.47	-2.865
31	42.28	-2.181
124	42.23	-1.996
Std Dev	41.96	-1.000
24	41.94	-0.924
34	41.93	-0.887
24	41.91	-0.813
18	41.86	-0.610
23	41.83	-0.518
23	41.78	-0.333
Median	41.69	0.000
14	41.60	0.333
43	41.58	0.407
61	41.58	0.407
14	41.57	0.444
79	41.56	0.481
220	41.46	0.866
61	41.44	0.924
43	41.43	0.980
Std Dev	41.42	1.000
244	40.56	4.177

050.00 Soluble Potash		
Lab	STPB Oxalate	
87	<0.1	0.000
Median	0.00	0.000

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
237	0.16	0.000
Median	0.16	0.000

050.51 %K ₂ O Soluble Potash		
Lab	ICP(Citrate)	
87	0.13	0.000
Median	0.13	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
241	0.27	-8.916
23	0.17	-1.655

23	0.16	-1.309
Std Dev	0.16	-1.000
43	0.14	-0.099
43	0.14	-0.074
Median	0.14	0.000
61	0.14	0.074
61	0.14	0.074
24	0.14	0.420
24	0.13	0.766
102	0.13	0.793

050.XX	Soluble Potash	
Lab	%K ₂ O	Total Method
87	<0.1	0.000
241	0.27	0.000
23	0.17	0.000
23	0.16	0.000
Std Dev	0.00	-1.000
237	0.16	0.000
43	0.14	0.000
43	0.14	0.000
Median	0.00	0.000
61	0.14	0.000
61	0.14	0.000
24	0.14	0.000
24	0.13	0.000
87	0.13	0.000
102	0.13	0.000

060.00	Free Water	
Lab	Vacuum Oven	
220	2.47	-0.766
28	2.47	-0.761
23	2.42	-0.587
23	2.41	-0.571
28	2.38	-0.460
28	2.38	-0.460
18	2.30	-0.206
24	2.24	-0.016
24	2.24	-0.016
124	2.23	0.000
Median	2.23	0.000
34	2.17	0.190
9	1.96	0.856

79	1.96	0.856
14	1.96	0.872
14	1.95	0.888
Std Dev	1.91	1.000
43	1.83	1.269
31	1.80	1.380
43	1.76	1.491
28	1.29	2.997

060.10	Free Water	
Lab	Vacuum Desiccate	
61	2.43	-4.074
Std Dev	2.00	-1.000
61	1.87	-0.071
Median	1.86	0.000
237	1.85	0.071
241	1.74	0.858

060.XX	Free Water	
Lab	Total Method	
220	2.47	-0.785
28	2.47	-0.781
61	2.43	-0.677
23	2.42	-0.637
23	2.41	-0.624
28	2.38	-0.533
28	2.38	-0.533
18	2.30	-0.325
24	2.24	-0.169
24	2.24	-0.169
124	2.23	-0.156
34	2.17	0.000
Median	2.17	0.000
9	1.96	0.546
79	1.96	0.546
14	1.96	0.559
14	1.95	0.572
61	1.87	0.781
237	1.85	0.833
43	1.83	0.885
31	1.80	0.976
Std Dev	1.79	1.000
43	1.76	1.067
241	1.74	1.119

28	1.29	2.303
101.30	Acid Soluble Calcium	
Lab	%CaO	ICP
23	0.48	-2.509
61	0.47	-2.281
61	0.45	-1.369
Std Dev	0.44	-1.000
124	0.44	-0.912
23	0.44	-0.684
237	0.44	-0.684
39	0.42	-0.091
14	0.42	0.000
24	0.42	0.000
31	0.42	0.000
34	0.42	0.000
Median	0.42	0.000
102	0.41	0.317
14	0.41	0.456
87	0.41	0.627
24	0.41	0.684
9	0.40	0.912
Std Dev	0.40	1.000
43	0.40	1.077
43	0.39	1.224
79	0.38	1.825

101.99	Acid Soluble Calcium	
Lab	%CaO	Other
241	0.31	0.000
Median	0.31	0.000

101.XX	Acid Soluble Calcium	
Lab	%CaO	Total Method
23	0.48	-2.358
61	0.47	-2.144
61	0.45	-1.286
Std Dev	0.44	-1.000
124	0.44	-0.858
23	0.44	-0.643
237	0.44	-0.643
39	0.42	-0.086
14	0.42	0.000
24	0.42	0.000

31	0.42	0.000
34	0.42	0.000
Median	0.42	0.000
102	0.41	0.298
14	0.41	0.429
87	0.41	0.589
24	0.41	0.643
9	0.40	0.858
Std Dev	0.40	1.000
43	0.40	1.012
43	0.39	1.150
79	0.38	1.715
241	0.31	4.717

121.00	Acid Soluble Magnesium	
Lab	%MgO	Atomic Absorption
18	1.48	0.000
Median	1.48	0.000

121.30	Acid Soluble Magnesium	
Lab	%MgO	ICP
23	1.57	-4.276
23	1.51	-2.621
24	1.48	-1.793
Std Dev	1.45	-1.000
61	1.45	-0.966
24	1.45	-0.828
39	1.44	-0.552
237	1.44	-0.552
14	1.42	-0.138
61	1.42	-0.138
9	1.42	0.000
14	1.42	0.000
Median	1.42	0.000
102	1.41	0.095
241	1.41	0.138
31	1.40	0.552
124	1.39	0.690
87	1.39	0.808
Std Dev	1.38	1.000
34	1.37	1.242
43	1.35	1.931
43	1.34	2.069
79	1.05	10.070

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
23	1.57	-3.776
23	1.51	-2.315
18	1.48	-1.584
24	1.48	-1.584
Std Dev	1.46	-1.000
61	1.45	-0.853
24	1.45	-0.731
39	1.44	-0.487
237	1.44	-0.487
14	1.42	-0.122
61	1.42	-0.122
9	1.42	0.000
14	1.42	0.000
Median	1.42	0.000
102	1.41	0.084
241	1.41	0.122
31	1.40	0.487
124	1.39	0.609
87	1.39	0.713
Std Dev	1.37	1.000
34	1.37	1.096
43	1.35	1.705
43	1.34	1.827
79	1.05	8.893

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
220	1.43	-1.682
Std Dev	1.40	-1.000
61	1.38	-0.683
61	1.37	-0.473
Median	1.35	0.000
244	1.33	0.473
241	1.31	0.788
Std Dev	1.30	1.000
18	1.30	1.104

144.99 Sulfate Sulfur (S)		
Lab	Other	
124	4.39	-26.864
237	1.90	-5.467

43	1.43	-1.436
43	1.43	-1.436
23	1.38	-1.008
Std Dev	1.37	-1.000
23	1.30	-0.364
34	1.27	-0.107
24	1.26	-0.021
Median	1.26	0.000
14	1.26	0.021
14	1.26	0.021
24	1.25	0.064
9	1.25	0.107
31	1.19	0.579
87	1.18	0.660
270	1.18	0.665
Std Dev	1.14	1.000
102	1.11	1.244

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
124	4.39	-32.502
237	1.90	-6.280
220	1.43	-1.366
43	1.43	-1.340
43	1.43	-1.340
Std Dev	1.39	-1.000
61	1.38	-0.867
23	1.38	-0.815
61	1.37	-0.762
244	1.33	-0.289
241	1.31	-0.131
23	1.30	-0.026
Median	1.30	0.000
18	1.30	0.026
34	1.27	0.289
24	1.26	0.394
14	1.26	0.447
14	1.26	0.447
24	1.25	0.499
9	1.25	0.552
Std Dev	1.20	1.000
31	1.19	1.130
87	1.18	1.230
270	1.18	1.235

102 1.11 1.944		
151.30 Total Arsenic		
Lab	ICP	
102	<5	0.000
124	<0.5	0.000
270	14.00	-0.510
9	13.00	0.000
Median	13.00	0.000
24	8.74	2.170

151.99 Total Arsenic		
Lab	Other	
18	13.00	-0.705
61	12.00	0.000
Median	12.00	0.000
Std Dev	10.58	1.000
87	9.20	1.975

151.XX Total Arsenic		
Lab	Total Method	
102	<5	0.000
124	<0.5	0.000
270	14.00	-0.648
9	13.00	-0.216
18	13.00	-0.216
Median	12.50	0.000
61	12.00	0.216
Std Dev	10.19	1.000
87	9.20	1.426
24	8.74	1.625

165.99 Acid Soluble Boron		
Lab	PPM	Other
87	469.00	-1.421
Std Dev	378.78	-1.000
124	284.50	-0.560
Median	164.40	0.000
24	44.30	0.560
102	40.50	0.578

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
87	469.00	-1.421

Std Dev	378.78	-1.000
124	284.50	-0.560
Median	164.40	0.000
24	44.30	0.560
102	40.50	0.578

181.00 Total Cadmium		
Lab	Atomic Absorbion	
18	3.90	-1.340
Std Dev	3.85	-1.000
Median	3.72	0.000
Std Dev	3.58	1.000
220	3.54	1.340

181.30 Total Cadmium		
Lab	PPM	ICP
124	3.85	-3.807
79	3.00	-1.218
270	2.93	-1.005
Std Dev	2.93	-1.000
237	2.65	-0.152
9	2.60	0.000
87	2.60	0.000
Median	2.60	0.000
43	2.50	0.305
43	2.40	0.609
102	2.30	0.914
Std Dev	2.27	1.000
61	2.00	1.827
61	2.00	1.827

181.99 Total Cadmium		
Lab	Other	
24	2.49	0.000
Median	2.49	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
18	3.90	-3.111
124	3.85	-2.991
220	3.54	-2.237
Std Dev	3.02	-1.000
79	3.00	-0.957
270	2.93	-0.790

237	2.65	-0.120
9	2.60	0.000
87	2.60	0.000
Median	2.60	0.000
43	2.50	0.239
24	2.49	0.263
43	2.40	0.479
102	2.30	0.718
Std Dev	2.18	1.000
61	2.00	1.436
61	2.00	1.436

190.00 Lab	%Al ₂ O ₃	Aluminum ICP
23	1.60	-6.672
23	1.52	-3.114
9	1.52	-2.891
14	1.48	-1.112
237	1.48	-1.112
Std Dev	1.47	-1.000
14	1.47	-0.890
43	1.47	-0.667
61	1.46	-0.445
24	1.45	0.000
31	1.45	0.000
34	1.45	0.000
43	1.45	0.000
124	1.45	0.000
Median	1.45	0.000
24	1.44	0.378
61	1.43	0.890
Std Dev	1.43	1.000
87	1.39	2.637
102	1.20	10.978
79	1.06	17.570

190.99 Lab	%Al ₂ O ₃	Aluminum Atomic Absorption
18	1.45	-1.340
Std Dev	1.36	-1.000
Median	1.10	0.000
Std Dev	0.85	1.000
241	0.76	1.340

190.XX Lab	%Al ₂ O ₃	Aluminum Total Method
23	1.60	-6.161
23	1.52	-2.875
9	1.52	-2.670
14	1.48	-1.027
237	1.48	-1.027
Std Dev	1.47	-1.000
14	1.47	-0.821
43	1.47	-0.616
61	1.46	-0.411
24	1.45	0.000
31	1.45	0.000
34	1.45	0.000
43	1.45	0.000
124	1.45	0.000
Median	1.45	0.000
18	1.45	0.205
24	1.44	0.349
61	1.43	0.821
Std Dev	1.43	1.000
87	1.39	2.435
102	1.20	10.137
79	1.06	16.224
241	0.76	28.340

191.00 Lab	Total Chromium Atomic Absorption
18	127.00
Median	127.00
	0.000

191.30 Lab	Total Chromium ICP
87	121.35
Std Dev	117.10
9	115.50
61	114.00
31	113.50
61	113.00
Median	113.00
237	112.00
Std Dev	108.90
43	108.50
43	108.50

102 108.20 1.169

191.99 Lab	PPM	Total Chromium Other
124	123.00	-1.340
Std Dev	120.78	-1.000
Median	114.25	0.000
Std Dev	107.72	1.000
24	105.50	1.340

191.XX Lab	PPM	Total Chromium Total Method
18	127.00	-2.177
124	123.00	-1.544
87	121.35	-1.283
Std Dev	119.57	-1.000
9	115.50	-0.356
61	114.00	-0.119
31	113.50	-0.040
Median	113.25	0.000
61	113.00	0.040
237	112.00	0.198
43	108.50	0.752
43	108.50	0.752
102	108.20	0.800
Std Dev	106.93	1.000
24	105.50	1.227

202.30 Lab	PPM	Acid Soluble Cobalt ICP
124	<0.5	0.000
61	3.00	-0.586
61	3.00	-0.586
270	2.90	-0.419
87	2.80	-0.251
9	2.65	0.000
Median	2.65	0.000
102	2.15	0.838
237	2.10	0.921
Std Dev	2.05	1.000
43	2.00	1.089
43	2.00	1.089

202.99 Lab	Acid Soluble Cobalt Other
24	2.32
Median	2.32
	0.000

202.XX Lab	PPM	Acid Soluble Cobalt Total Method
124	<0.5	0.000
61	3.00	-0.905
61	3.00	-0.905
270	2.90	-0.729
87	2.80	-0.554
9	2.65	-0.290
Median	2.49	0.000
24	2.32	0.290
102	2.15	0.589
237	2.10	0.677
43	2.00	0.852
43	2.00	0.852

221.30 Lab	PPM	Acid Soluble Copper ICP
124	13.94	-13.990
61	5.00	-2.010
Std Dev	4.25	-1.000
61	4.00	-0.670
270	4.00	-0.670
102	3.60	-0.134
Median	3.50	0.000
9	3.40	0.134
43	3.00	0.670
43	3.00	0.670
Std Dev	2.75	1.000
87	1.60	2.546
237	1.50	2.680

221.99 Lab	Acid Soluble Copper Other
79	5.50
Std Dev	5.22
Median	4.41
Std Dev	3.59
24	3.31

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
124	13.94	-11.192
79	5.50	-2.144
61	5.00	-1.608
Std Dev	4.43	-1.000
61	4.00	-0.536
270	4.00	-0.536
102	3.60	-0.107
Median	3.50	0.000
9	3.40	0.107
24	3.31	0.204
43	3.00	0.536
43	3.00	0.536
Std Dev	2.57	1.000
87	1.60	2.037
237	1.50	2.144

241.00 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Atomic Absorption
18	1.46	-1.340
Std Dev	1.45	-1.000
Median	1.42	0.000
Std Dev	1.38	1.000
220	1.37	1.340

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
23	1.49	-2.417
23	1.43	-1.051
Std Dev	1.42	-1.000
34	1.42	-0.946
39	1.41	-0.746
14	1.41	-0.631
24	1.41	-0.631
14	1.40	-0.525
24	1.40	-0.525
9	1.39	-0.210
61	1.38	-0.105
Median	1.38	0.000
31	1.37	0.105
237	1.37	0.105
87	1.36	0.364
61	1.35	0.525

43	1.35	0.631
43	1.33	0.946
Std Dev	1.33	1.000
102	1.30	1.615
124	1.29	1.787
79	1.24	2.838
241	0.94	9.144

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
23	1.49	-2.585
18	1.46	-1.901
23	1.43	-1.102
Std Dev	1.42	-1.000
34	1.42	-0.988
39	1.41	-0.772
14	1.41	-0.646
24	1.41	-0.646
14	1.40	-0.532
24	1.40	-0.532
9	1.39	-0.190
61	1.38	-0.076
Median	1.38	0.000
220	1.37	0.076
31	1.37	0.152
237	1.37	0.152
87	1.36	0.433
61	1.35	0.608
43	1.35	0.722
Std Dev	1.33	1.000
43	1.33	1.064
102	1.30	1.791
124	1.29	1.977
79	1.24	3.117
241	0.94	9.960

251.00 Total Lead		
Lab	Atomic Absorbtion	
18	2.60	0.000
Median	2.60	0.000

251.30 Total Lead		
Lab	PPM	ICP
87	<5	0.000

102	<5	0.000
124	<0.05	0.000
237	6.70	-7.345
Std Dev	3.50	-1.000
43	3.50	-0.993
43	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
9	2.60	0.794
61	2.00	1.985

251.99 Total Lead		
Lab	Other	
79	<1	0.000
270	2.50	-1.340
Std Dev	2.47	-1.000
Median	2.38	0.000
Std Dev	2.29	1.000
24	2.26	1.340

251.XX Total Lead		
Lab	PPM	Total Method
87	<5	0.000
102	<5	0.000
79	<1	0.000
124	<0.05	0.000
237	6.70	-10.988
43	3.50	-2.412
43	3.00	-1.072
61	3.00	-1.072
Std Dev	2.97	-1.000
9	2.60	0.000
18	2.60	0.000
Median	2.60	0.000
270	2.50	0.268
24	2.26	0.911
61	2.00	1.608

261.30 Acid Soluble Manganese		
Lab	ICP	
87	274.50	-1.455
39	272.00	-1.072
Std Dev	271.53	-1.000
61	268.00	-0.459

9	265.00	0.000
Median	265.00	0.000
61	263.00	0.306
31	259.50	0.842
Std Dev	258.47	1.000
102	254.00	1.685

261.99 Acid Soluble Manganese		
Lab	PPM	Other
18	280.00	-4.385
Std Dev	266.10	-1.000
43	264.00	-0.487
43	262.00	0.000
Median	262.00	0.000
24	258.50	0.853
Std Dev	257.90	1.000
124	255.00	1.705

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
18	280.00	-2.268
87	274.50	-1.512
39	272.00	-1.168
Std Dev	270.78	-1.000
61	268.00	-0.618
9	265.00	-0.206
43	264.00	-0.069
Median	263.50	0.000
61	263.00	0.069
43	262.00	0.206
31	259.50	0.550
24	258.50	0.687
Std Dev	256.22	1.000
124	255.00	1.168
102	254.00	1.306

281.30 Total Mercury		
Lab	PPM	ICP
24	<0.12	0.000
124	<0.10	0.000
Median	0.00	0.000

281.99 Total Mercury		
Lab	PPM	Other
24	<0.12	0.000
124	<0.10	0.000
Median	0.00	0.000

18	<0.02	0.000
102	<.4	0.000
79	<.05	0.000
Median	0.00	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
24	<0.12	0.000
124	<0.10	0.000
18	<0.02	0.000
102	<.4	0.000
79	<.05	0.000
Median	0.00	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP
124	12.54	-2.310
61	12.00	-2.038
61	11.00	-1.535
Std Dev	9.94	-1.000
9	8.10	-0.075
270	8.00	-0.025
Median	7.95	0.000
43	7.90	0.025
43	7.80	0.075
102	7.55	0.201
237	7.45	0.252
87	7.00	0.478

289.99 Total Molybdenum		
Lab	PPM	Other
24	7.50	0.000
Median	7.50	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
124	12.54	-3.070
61	12.00	-2.713
61	11.00	-2.051
Std Dev	9.41	-1.000
9	8.10	-0.132
270	8.00	-0.066
43	7.90	0.000
Median	7.90	0.000

43	7.80	0.066
102	7.55	0.232
24	7.50	0.265
237	7.45	0.298
87	7.00	0.596

291.00 Total Nickel		
Lab	PPM	Atomic Absorbtion
18	8.40	0.000
Median	8.40	0.000

291.30 Total Nickel		
Lab	PPM	ICP
61	11.00	-1.729
Std Dev	10.58	-1.000
102	10.45	-0.778
9	10.35	-0.605
87	10.30	-0.519
43	10.00	0.000
61	10.00	0.000
Median	10.00	0.000
237	9.75	0.432
43	9.50	0.865
Std Dev	9.42	1.000
270	8.00	3.458
124	5.26	8.196

291.99 Total Nickel		
Lab	PPM	Other
24	12.00	0.000
Median	12.00	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
24	12.00	-2.330
61	11.00	-1.165
Std Dev	10.86	-1.000
102	10.45	-0.524
9	10.35	-0.408
87	10.30	-0.350
43	10.00	0.000
61	10.00	0.000
Median	10.00	0.000
237	9.75	0.291

43	9.50	0.583
Std Dev	9.14	1.000
18	8.40	1.864
270	8.00	2.330
124	5.26	5.523

301.30 Total Selenium		
Lab	PPM	ICP
102	<5	0.000
87	<4.6	0.000
24	<0.50	0.000
124	<0.1	0.000
270	0.50	0.000
Median	0.50	0.000

301.XX Total Selenium		
Lab	PPM	Total Mthod
102	<5	0.000
87	<4.6	0.000
24	<0.50	0.000
124	<0.1	0.000
270	0.50	0.000
Median	0.50	0.000

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbtion
61	0.23	-1.340
Std Dev	0.23	-1.000
Median	0.22	0.000
Std Dev	0.20	1.000
61	0.20	1.340

311.99 Sodium		
Lab	%Na ₂ O	Other
23	0.28	-1.861
23	0.26	-1.185
Std Dev	0.25	-1.000
87	0.25	-0.880
24	0.25	-0.677
24	0.23	-0.169
Median	0.23	0.000
124	0.22	0.169
43	0.21	0.502
43	0.21	0.514

241	0.20	0.846
Std Dev	0.20	1.000
102	0.19	1.025

311.XX Sodium		
Lab	%Na ₂ O	Total Method
23	0.28	-1.883
23	0.26	-1.198
Std Dev	0.25	-1.000
87	0.25	-0.890
24	0.25	-0.685
24	0.23	-0.171
61	0.23	-0.171
Median	0.23	0.000
124	0.22	0.171
43	0.21	0.508
43	0.21	0.520
61	0.20	0.856
241	0.20	0.856
Std Dev	0.20	1.000
102	0.19	1.037

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
87	41.95	-0.901
124	41.35	-0.624
61	41.00	-0.462
61	41.00	-0.462
270	40.00	0.000
Median	40.00	0.000
237	38.50	0.693
102	38.10	0.878
Std Dev	37.84	1.000
9	37.80	1.017
24	37.50	1.155

321.99 Acid Soluble Zinc		
Lab	PPM	Other
43	39.50	-2.680
Std Dev	38.87	-1.000
43	38.50	0.000
79	38.50	0.000
Median	38.50	0.000

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321.XX		
Lab	PPM	Acid Soluble Zinc Total Method
87	41.95	-1.520
124	41.35	-1.211
61	41.00	-1.031
61	41.00	-1.031
Std Dev	40.94	-1.000
270	40.00	-0.515
43	39.50	-0.258
Median	39.00	0.000
43	38.50	0.258
79	38.50	0.258
237	38.50	0.258
102	38.10	0.464
9	37.80	0.618
24	37.50	0.773

325.10		
Lab	%	Fluoride Electrode
34	2.44	-0.884
220	2.41	-0.737
9	2.37	-0.509
270	2.35	-0.402
23	2.34	-0.348
24	2.34	-0.348
102	2.29	-0.080
24	2.28	0.000
Median	2.28	0.000
23	2.27	0.027
124	2.20	0.402
14	2.10	0.965
31	2.10	0.965
18	2.09	0.992
Std Dev	2.09	1.000
14	2.09	1.018
18	1.81	2.492

325.99		
Lab	%	Fluoride Other
61	2.41	-1.340
Std Dev	2.40	-1.000
Median	2.39	0.000
Std Dev	2.37	1.000
61	2.36	1.340

325.XX		
Lab	%	Fluoride Total Method
34	2.44	-0.758
220	2.41	-0.619
61	2.41	-0.607
9	2.37	-0.405
61	2.36	-0.354
270	2.35	-0.303
23	2.34	-0.253
24	2.34	-0.253
102	2.29	0.000
Median	2.29	0.000
24	2.28	0.076
23	2.27	0.101
124	2.20	0.455
14	2.10	0.986
31	2.10	0.986
Std Dev	2.09	1.000
18	2.09	1.011
14	2.09	1.037
18	1.81	2.427