

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	10.84	-1.340
Std Dev	10.81	-1.000
Median	10.72	0.000
Std Dev	10.63	1.000
18	10.60	1.340

001.99 Ammoniacal Nitrogen		
Lab	Other	
113	10.96	-3.289
24	10.95	-3.045
24	10.92	-2.193
79	10.91	-2.071
Std Dev	10.87	-1.000
28	10.85	-0.609
34	10.85	-0.609
61	10.83	-0.122
23	10.83	0.000
23	10.83	0.000
Median	10.83	0.000
23	10.81	0.365
23	10.81	0.365
32	10.81	0.365
61	10.81	0.365
Std Dev	10.78	1.000
28	10.76	1.705
140	10.54	7.065
38	10.35	11.573

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
113	10.96	-4.522
24	10.95	-4.187
24	10.92	-3.015
79	10.91	-2.847
Std Dev	10.85	-1.000
28	10.85	-0.837
34	10.85	-0.837
31	10.84	-0.503
61	10.83	-0.168
23	10.83	0.000
23	10.83	0.000
Median	10.83	0.000

23	10.81	0.502
23	10.81	0.502
32	10.81	0.502
61	10.81	0.503
Std Dev	10.80	1.000
28	10.76	2.345
18	10.60	7.705
140	10.54	9.715
38	10.35	15.912

002.99 Nitrate Nitrogen		
Lab	Other	
38	0.00	0.000
Median	0.00	0.000

002.XX Nitrate Nitrogen		
Lab	Total Method	
38	0.00	0.000
Median	0.00	0.000

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
43	11.06	-2.501
Std Dev	11.02	-1.000
43	10.99	0.000
Median	10.99	0.000
18	10.99	0.179

010.12 Total Nitrogen		
Lab	Salicylic	
119	11.91	-1.340
Std Dev	11.79	-1.000
Median	11.46	0.000
Std Dev	11.13	1.000
107	11.02	1.340

010.60 Total Nitrogen		
Lab	Combustion	
38	11.22	-1.631
47	11.22	-1.631
Std Dev	11.11	-1.000
65	11.09	-0.874
29	11.08	-0.816
24	11.00	-0.350

39	11.00	-0.350
237	11.00	-0.350
77	11.00	-0.320
24	10.99	-0.291
79	10.98	-0.233
31	10.95	-0.058
14	10.94	0.000
63	10.94	0.000
Median	10.94	0.000
14	10.94	0.029
99	10.92	0.117
63	10.88	0.350
102	10.86	0.495
64	10.82	0.728
110	10.77	0.990
Std Dev	10.77	1.000
44	10.77	1.020
49	10.77	1.020
66	10.74	1.165
111	10.74	1.165
80	10.70	1.398
103	10.33	3.554

010.99 Total Nitrogen		
Lab	Other	
40	11.19	-1.093
Std Dev	11.16	-1.000
32	10.93	0.000
Median	10.93	0.000
Std Dev	10.70	1.000
140	10.56	1.587

010.XX Total Nitrogen		
Lab	Total Method	
119	11.91	-6.917
38	11.22	-1.956
47	11.22	-1.956
40	11.19	-1.702
65	11.09	-1.014
Std Dev	11.09	-1.000
29	11.08	-0.942
43	11.06	-0.797
107	11.02	-0.507
24	11.00	-0.362

39	11.00	-0.362
237	11.00	-0.362
77	11.00	-0.326
24	10.99	-0.290
43	10.99	-0.290
18	10.99	-0.254
79	10.98	-0.217
31	10.95	0.000
Median	10.95	0.000
14	10.94	0.072
63	10.94	0.072
14	10.94	0.109
32	10.93	0.145
99	10.92	0.217
63	10.88	0.507
102	10.86	0.688
64	10.82	0.978
Std Dev	10.81	1.000
110	10.77	1.304
44	10.77	1.340
49	10.77	1.340
66	10.74	1.521
111	10.74	1.521
80	10.70	1.811
140	10.56	2.825
103	10.33	4.491

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
241	52.65	-1.340
Std Dev	52.61	-1.000
Median	52.51	0.000
Std Dev	52.41	1.000
40	52.37	1.340

020.20 Total Phosphate		
Lab	Spectrometric	
102	52.97	-2.071
Std Dev	52.53	-1.000
14	52.48	-0.889
103	52.46	-0.841
14	52.45	-0.816
61	52.45	-0.804
23	52.44	-0.792

23	52.44	-0.792
23	52.44	-0.792
23	52.44	-0.792
31	52.41	-0.719
79	52.30	-0.451
34	52.19	-0.183
61	52.12	0.000
Median	52.12	0.000
99	52.05	0.171
24	52.04	0.183
18	52.04	0.195
43	51.99	0.317
140	51.90	0.536
24	51.89	0.548
237	51.85	0.646
110	51.80	0.780
113	51.79	0.804
43	51.74	0.914
Std Dev	51.70	1.000
32	51.70	1.011
220	51.65	1.137

020.30		Total Phosphate
Lab		Alka. Quimociac
111	52.44	0.000
Median	52.44	0.000

020.99		Total Phosphate
Lab		Other
28	53.40	-1.340
Std Dev	53.23	-1.000
Median	52.73	0.000
Std Dev	52.22	1.000
28	52.05	1.340

020.XX		Total Phosphate
Lab		Total Method
28	53.40	-2.962
102	52.97	-1.847
241	52.65	-1.039
Std Dev	52.63	-1.000
14	52.48	-0.603
103	52.46	-0.551
14	52.45	-0.526

61	52.45	-0.513
23	52.44	-0.500
23	52.44	-0.500
23	52.44	-0.500
23	52.44	-0.500
111	52.44	-0.487
31	52.41	-0.423
40	52.37	-0.321
79	52.30	-0.141
Median	52.25	0.000
34	52.19	0.141
61	52.12	0.333
28	52.05	0.500
99	52.05	0.513
24	52.04	0.526
18	52.04	0.539
43	51.99	0.667
140	51.90	0.898
24	51.89	0.910
Std Dev	51.86	1.000
237	51.85	1.013
110	51.80	1.154
113	51.79	1.180
43	51.74	1.295
32	51.70	1.398
220	51.65	1.530

030.20		Insoluble Phosphate
Lab		Spectrometric
32	0.20	-8.844
18	0.12	-4.556
24	0.06	-1.340
Std Dev	0.05	-1.000
61	0.05	-0.804
23	0.05	-0.536
23	0.05	-0.536
24	0.05	-0.536
23	0.04	0.000
23	0.04	0.000
Median	0.04	0.000
140	0.03	0.268
43	0.02	0.670
14	0.02	0.804
14	0.02	0.804

43	0.02	0.938
Std Dev	0.02	1.000
61	0.02	1.072
79	0.01	1.340
113	0.00	1.801

030.30		Insoluble Phosphate
Lab		Alka. Quimociac
31	0.03	0.000
Median	0.03	0.000

030.40		Insoluble Phosphate
Lab		Automated
34	0.03	0.000
Median	0.03	0.000

030.XX		Insoluble Phosphate
Lab		Total Method
32	0.20	-9.112
18	0.12	-4.824
24	0.06	-1.608
61	0.05	-1.072
Std Dev	0.05	-1.000
23	0.05	-0.804
23	0.05	-0.804
24	0.05	-0.804
23	0.04	-0.268
23	0.04	-0.268
140	0.03	0.000
Median	0.03	0.000
34	0.03	0.214
31	0.03	0.268
43	0.02	0.402
14	0.02	0.536
14	0.02	0.536
43	0.02	0.670
61	0.02	0.804
Std Dev	0.01	1.000
79	0.01	1.072
113	0.00	1.533

040.20		Indirect Available Phosphate
Lab		Spectrometric
14	52.46	-0.362

14	52.43	-0.273
23	52.41	-0.199
23	52.41	-0.199
23	52.40	-0.170
23	52.40	-0.170
61	52.40	-0.170
31	52.39	-0.140
Median	52.34	0.000
79	52.29	0.140
61	52.10	0.701
Std Dev	52.00	1.000
24	51.98	1.056
43	51.97	1.085
140	51.87	1.395
24	51.85	1.450
113	51.79	1.632
43	51.72	1.824

040.99		Indirect Available Phosphate
Lab		Other
34	52.15	0.000
Median	52.15	0.000

040.XX		Indirect Available Phosphate
Lab		Total Method
14	52.46	-0.536
14	52.43	-0.441
23	52.41	-0.363
23	52.41	-0.363
23	52.40	-0.331
23	52.40	-0.331
61	52.40	-0.331
31	52.39	-0.300
79	52.29	0.000
Median	52.29	0.000
34	52.15	0.441
61	52.10	0.599
24	51.98	0.977
Std Dev	51.97	1.000
43	51.97	1.009
140	51.87	1.340
24	51.85	1.398
113	51.79	1.592
43	51.72	1.797

041.10 Direct Available Phosphate		
Lab	Gravimetric	Quimociac
119	54.39	-3.512
Std Dev	52.88	-1.000
39	52.41	-0.225
44	52.28	0.000
Median	52.28	0.000
Std Dev	51.67	1.000
107	51.61	1.115
47	50.11	3.612

041.20 Direct Available Phosphate		
Lab	Spectrometric	
237	51.80	-1.340
Std Dev	51.73	-1.000
Median	51.52	0.000
Std Dev	51.31	1.000
220	51.24	1.340

041.40 Direct Available Phosphate		
Lab	Automated	
38	52.61	-0.816
49	52.55	-0.738
39	52.44	-0.607
Median	51.93	0.000
14	51.42	0.607
14	51.39	0.643
Std Dev	51.09	1.000
103	51.00	1.102

041.50 Direct Available Phosphate		
Lab	ICP	
63	52.57	-1.366
Std Dev	52.43	-1.000
63	52.33	-0.736
80	52.05	0.000
Median	52.05	0.000
66	51.82	0.604
Std Dev	51.67	1.000
47	50.49	4.112

041.60 Direct Available Phosphate		
Lab	EDTA Extract	

65	52.98	-2.138
Std Dev	52.40	-1.000
77	52.31	-0.818
75	51.90	0.000
Median	51.90	0.000
64	51.63	0.522
Std Dev	51.39	1.000
29	51.06	1.640

041.99 Direct Available Phosphate		
Lab	Other	
65	53.11	0.000
Median	53.11	0.000

041.XX Direct Available Phosphate		
Lab	Total Method	
119	54.39	-3.064
65	53.11	-1.445
65	52.98	-1.280
Std Dev	52.76	-1.000
38	52.61	-0.810
63	52.57	-0.759
49	52.55	-0.727
39	52.44	-0.587
39	52.41	-0.556
63	52.33	-0.454
77	52.31	-0.429
44	52.28	-0.384
80	52.05	-0.098
Median	51.97	0.000
75	51.90	0.098
66	51.82	0.194
237	51.80	0.219
64	51.63	0.435
107	51.61	0.467
14	51.42	0.708
14	51.39	0.746
220	51.24	0.931
Std Dev	51.19	1.000
29	51.06	1.155
103	51.00	1.235
47	50.49	1.889
47	50.11	2.372

042.99 Ortho Phosphate		
Lab	Other	
65	.	0.000
Median	0.00	0.000

042.XX Ortho Phosphate		
Lab	Total Method	
65	.	0.000
Median	0.00	0.000

048.10 Water Soluble Phosphate		
Lab	Gravimetric	Quimociac
241	47.23	0.000
Median	47.23	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
113	46.47	-1.552
18	46.36	-1.230
31	46.33	-1.142
79	46.33	-1.142
Std Dev	46.28	-1.000
140	46.13	-0.557
24	46.09	-0.439
23	46.05	-0.322
23	46.05	-0.322
61	46.02	-0.249
24	45.94	0.000
Median	45.94	0.000
23	45.92	0.044
23	45.92	0.044
43	45.79	0.425
61	45.77	0.498
Std Dev	45.59	1.000
32	45.53	1.186
43	45.38	1.626
220	45.34	1.744
14	45.16	2.285
14	45.15	2.314

048.10 Water Soluble Phosphate		
Lab	Gravimetric	Quimociac
241	47.23	0.000
Median	47.23	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
113	46.47	-1.552
18	46.36	-1.230
31	46.33	-1.142
79	46.33	-1.142
Std Dev	46.28	-1.000
140	46.13	-0.557
24	46.09	-0.439
23	46.05	-0.322
23	46.05	-0.322
61	46.02	-0.249
24	45.94	0.000
Median	45.94	0.000
23	45.92	0.044
23	45.92	0.044
43	45.79	0.425
61	45.77	0.498
Std Dev	45.59	1.000
32	45.53	1.186
43	45.38	1.626
220	45.34	1.744
14	45.16	2.285
14	45.15	2.314

048.30 Water Soluble Phosphate		
Lab	Alka. Quimociac	
111	45.13	0.000
Median	45.13	0.000

048.99 Water Soluble Phosphate		
Lab	Other	
34	45.90	0.000
Median	45.90	0.000

048.XX Water Soluble Phosphate		
Lab	Total Method	
241	47.23	-3.317
113	46.47	-1.369
18	46.36	-1.089
31	46.33	-1.012
79	46.33	-1.012
Std Dev	46.32	-1.000
140	46.13	-0.503
24	46.09	-0.401
23	46.05	-0.299
23	46.05	-0.299
61	46.02	-0.236
24	45.94	-0.019
Median	45.93	0.000
23	45.92	0.019
23	45.92	0.019
34	45.90	0.070
43	45.79	0.350
61	45.77	0.414
Std Dev	45.53	1.000
32	45.53	1.012
43	45.38	1.394
220	45.34	1.497
14	45.16	1.967
14	45.15	1.992
111	45.13	2.031

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.35	0.000
23	0.35	0.000
23	0.35	0.000
23	0.35	0.000
Median	0.35	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other

61	0.37	-0.441
43	0.36	-0.295
102	0.36	-0.221
61	0.36	0.000
Median	0.36	0.000
43	0.34	0.620
Std Dev	0.33	1.000
24	0.32	1.545
24	0.30	2.428

050.XX		Soluble Potash
Lab	%K ₂ O	Total Method
61	0.37	-1.672
43	0.36	-1.302
102	0.36	-1.115
Std Dev	0.36	-1.000
61	0.36	-0.557
23	0.35	0.000
23	0.35	0.000
23	0.35	0.000
23	0.35	0.000
Median	0.35	0.000
Std Dev	0.34	1.000
43	0.34	1.008
24	0.32	3.345
24	0.30	5.575

060.00		Free Water
Lab		Vacuum Oven
220	3.69	-3.642
31	3.64	-3.248
79	3.64	-3.248
24	3.52	-2.274
18	3.42	-1.421
Std Dev	3.36	-1.000
24	3.36	-0.934
111	3.35	-0.893
28	3.30	-0.447
23	3.26	-0.162
23	3.26	-0.162
32	3.24	0.000
Median	3.24	0.000
34	3.21	0.244
43	3.21	0.244

28	3.20	0.325
23	3.19	0.406
23	3.19	0.406
14	3.15	0.772
14	3.13	0.893
43	3.13	0.934
Std Dev	3.12	1.000
140	3.10	1.137
113	2.91	2.680

060.10		Free Water
Lab		Vacuum Desiccate
61	3.74	-0.845
61	3.63	-0.582
Median	3.38	0.000
241	3.14	0.582
Std Dev	2.97	1.000
237	2.96	1.025

060.XX		Free Water
Lab		Total Method
61	3.74	-2.457
220	3.69	-2.226
31	3.64	-1.985
79	3.64	-1.985
61	3.63	-1.911
24	3.52	-1.390
Std Dev	3.44	-1.000
18	3.42	-0.869
24	3.36	-0.571
111	3.35	-0.546
28	3.30	-0.273
23	3.26	-0.099
23	3.26	-0.099
32	3.24	0.000
Median	3.24	0.000
34	3.21	0.149
43	3.21	0.149
28	3.20	0.199
23	3.19	0.248
23	3.19	0.248
14	3.15	0.471
241	3.14	0.496
14	3.13	0.546

43	3.13	0.571
140	3.10	0.695
Std Dev	3.04	1.000
237	2.96	1.414
113	2.91	1.638

101.30		Acid Soluble Calcium
Lab	%CaO	ICP
34	0.40	-1.224
23	0.40	-1.020
23	0.40	-1.020
23	0.40	-1.020
Std Dev	0.39	-1.000
31	0.39	-0.612
14	0.38	-0.204
39	0.38	-0.204
14	0.37	0.000
61	0.37	0.000
61	0.37	0.000
237	0.37	0.000
Median	0.37	0.000
43	0.36	0.342
102	0.36	0.449
24	0.36	0.612
24	0.35	0.816
32	0.35	0.816
43	0.35	0.984

101.XX		Acid Soluble Calcium
Lab	%CaO	Total Method
34	0.40	-1.224
23	0.40	-1.020
23	0.40	-1.020
23	0.40	-1.020
23	0.40	-1.020
Std Dev	0.39	-1.000
31	0.39	-0.612
14	0.38	-0.204
39	0.38	-0.204
14	0.37	0.000
61	0.37	0.000
61	0.37	0.000
237	0.37	0.000

Median	0.37	0.000
43	0.36	0.342
102	0.36	0.449
24	0.36	0.612
24	0.35	0.816
32	0.35	0.816
43	0.35	0.984

121.30		Acid Soluble Magnesium
Lab	%MgO	ICP
31	2.54	-1.458
Std Dev	2.47	-1.000
24	2.41	-0.601
23	2.37	-0.326
23	2.37	-0.326
24	2.37	-0.326
102	2.36	-0.230
39	2.35	-0.189
23	2.35	-0.154
23	2.35	-0.154
Median	2.32	0.000
237	2.30	0.154
14	2.25	0.532
14	2.23	0.635
Std Dev	2.18	1.000
61	2.18	1.012
43	2.17	1.047
61	2.17	1.081
34	2.16	1.115
43	2.09	1.596
32	2.08	1.664

121.XX		Acid Soluble Magnesium
Lab	%MgO	Total Method
31	2.54	-1.458
Std Dev	2.47	-1.000
24	2.41	-0.601
23	2.37	-0.326
23	2.37	-0.326
24	2.37	-0.326
102	2.36	-0.230
39	2.35	-0.189
23	2.35	-0.154
23	2.35	-0.154

Median	2.32	0.000
237	2.30	0.154
14	2.25	0.532
14	2.23	0.635
Std Dev	2.18	1.000
61	2.18	1.012
43	2.17	1.047
61	2.17	1.081
34	2.16	1.115
43	2.09	1.596
32	2.08	1.664

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
18	1.37	-2.132
220	1.31	-1.340
Std Dev	1.29	-1.000
61	1.23	0.000
61	1.23	0.000
Median	1.23	0.000
241	1.19	0.533

144.70 Sulfur		
Lab	Spectrometric	
14	1.19	0.000
14	1.19	0.000
Median	1.19	0.000

144.99 Sulfate Sulfur (S)		
Lab	Other	
24	1.26	-1.340
Std Dev	1.25	-1.000
34	1.24	-0.670
23	1.23	0.000
23	1.23	0.000
23	1.23	0.000
23	1.23	0.000
Median	1.23	0.000
Std Dev	1.20	1.000
24	1.20	1.340
31	1.13	4.467
32	1.11	5.137

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
18	1.37	-4.841
220	1.31	-3.043
24	1.26	-1.037
Std Dev	1.25	-1.000
34	1.24	-0.519
23	1.23	0.000
23	1.23	0.000
23	1.23	0.000
23	1.23	0.000
61	1.23	0.000
61	1.23	0.000
Median	1.23	0.000
Std Dev	1.20	1.000
24	1.20	1.037
14	1.19	1.210
14	1.19	1.210
241	1.19	1.210
31	1.13	3.458
32	1.11	3.977

145.99 Total Sulfur (S)		
Lab	Other	
111	1.73	-4.362
Std Dev	1.32	-1.000
237	1.30	-0.755
43	1.24	-0.294
43	1.21	0.000
Median	1.21	0.000
102	1.15	0.499
Std Dev	1.09	1.000
63	1.07	1.132
63	1.07	1.132

145.XX Total Sulfur (S)		
Lab	Total Method	
111	1.73	-4.362
Std Dev	1.32	-1.000
237	1.30	-0.755
43	1.24	-0.294
43	1.21	0.000
Median	1.21	0.000
102	1.15	0.499

Std Dev	1.09	1.000
63	1.07	1.132
63	1.07	1.132

151.30 Total Arsenic		
Lab	ICP	
102	<10	0.000
61	<1	0.000
61	<1	0.000
43	4.55	-1.608
43	4.40	-1.299
Std Dev	4.26	-1.000
24	3.77	0.000
Median	3.77	0.000
31	3.75	0.041
18	3.60	0.350

151.XX Total Arsenic		
Lab	Total Method	
102	<10	0.000
61	<1	0.000
61	<1	0.000
43	4.55	-1.608
43	4.40	-1.299
Std Dev	4.26	-1.000
24	3.77	0.000
Median	3.77	0.000
31	3.75	0.041
18	3.60	0.350

165.99 Acid Soluble Boron		
Lab	PPM	Other
102	146.00	-1.340
Std Dev	144.48	-1.000
Median	140.00	0.000
Std Dev	135.52	1.000
24	134.00	1.340

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
102	146.00	-1.340
Std Dev	144.48	-1.000
Median	140.00	0.000
Std Dev	135.52	1.000

24	134.00	1.340
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181.00 Total Cadmium		
Lab	Atomic Absorbion	
220	47.78	-0.796
18	46.50	-0.617
Median	42.10	0.000
241	37.70	0.617
113	35.93	0.865

181.30 Total Cadmium		
Lab	PPM	ICP
64	45.75	-1.653
Std Dev	44.66	-1.000
43	44.60	-0.964
61	43.00	0.000
102	43.00	0.000
Median	43.00	0.000
43	42.65	0.211
Std Dev	41.34	1.000
61	40.50	1.506
237	40.05	1.777

181.99 Total Cadmium		
Lab	Other	
24	48.30	0.000
Median	48.30	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
24	48.30	-1.281
220	47.78	-1.155
Std Dev	47.14	-1.000
18	46.50	-0.846
64	45.75	-0.663
43	44.60	-0.387
61	43.00	0.000
102	43.00	0.000
Median	43.00	0.000
43	42.65	0.085
61	40.50	0.604
237	40.05	0.713
Std Dev	38.86	1.000
241	37.70	1.281

113 35.93 1.708

190.00 Lab	%Al ₂ O ₃	Aluminum ICP
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34	1.31	-1.165
Std Dev	1.31	-1.000
14	1.31	-0.971
14	1.31	-0.971
61	1.30	-0.777
24	1.30	-0.583
43	1.30	-0.583
237	1.29	-0.194
23	1.28	0.000
23	1.28	0.000
Median	1.28	0.000
23	1.28	0.194
23	1.28	0.194
102	1.26	0.621
43	1.26	0.971
61	1.26	0.971
Std Dev	1.25	1.000
24	1.25	1.165
32	1.22	2.330

190.99 Lab	%Al ₂ O ₃	Aluminum Atomic Absorption
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31	1.28	0.000
Median	1.28	0.000

190.XX Lab	%Al ₂ O ₃	Aluminum Total Method
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34	1.31	-1.297
14	1.31	-1.081
14	1.31	-1.081
Std Dev	1.30	-1.000
61	1.30	-0.865
24	1.30	-0.648
43	1.30	-0.648
237	1.29	-0.216
23	1.28	0.000
23	1.28	0.000
Median	1.28	0.000
23	1.28	0.216
23	1.28	0.216

31	1.28	0.216
102	1.26	0.692
Std Dev	1.26	1.000
43	1.26	1.081
61	1.26	1.081
24	1.25	1.297
32	1.22	2.594

191.00 Lab	Total Chromium Atomic Absorption
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113	534.43	-1.340
Std Dev	508.34	-1.000
Median	431.61	0.000
Std Dev	354.89	1.000
241	328.80	1.340

191.30 Lab	Total Chromium ICP
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31	486.00	-2.486
64	463.58	-1.101
Std Dev	461.94	-1.000
61	455.00	-0.571
61	448.00	-0.139
Median	445.75	0.000
43	443.50	0.139
237	435.50	0.633
102	435.30	0.645
Std Dev	429.56	1.000
43	422.50	1.436

191.99 Lab	Total Chromium Other
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24	457.00	0.000
Median	457.00	0.000

191.XX Lab	Total Chromium Total Method
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113	534.43	-4.653
31	486.00	-2.046
Std Dev	466.57	-1.000
64	463.58	-0.839
24	457.00	-0.485
61	455.00	-0.377
61	448.00	0.000

Median	448.00	0.000
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43	443.50	0.242
237	435.50	0.673
102	435.30	0.684
Std Dev	429.43	1.000
43	422.50	1.373
241	328.80	6.417

202.30 Lab	PPM	Acid Soluble Cobalt ICP
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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	2.24	1.000
237	1.65	1.787
102	1.45	2.051

202.99 Lab	Acid Soluble Cobalt Other
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24	1.71	0.000
Median	1.71	0.000

202.XX Lab	PPM	Acid Soluble Cobalt Total Method
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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	2.01	1.000
24	1.71	1.310
237	1.65	1.370
102	1.45	1.573

221.00 Lab	Acid Soluble Copper Atomic Absorption
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241	2.06	-1.340
Std Dev	2.05	-1.000
Median	2.01	0.000
Std Dev	1.96	1.000
220	1.95	1.340

221.30 Lab	PPM	Acid Soluble Copper ICP
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43	<1	0.000
43	<1	0.000
61	<1	0.000
61	<1	0.000
102	0.60	-1.340
Median	0.30	0.000
237	0.00	1.340

221.99 Lab	Acid Soluble Copper Other
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24	0.75	0.000
Median	0.75	0.000

221.XX Lab	PPM	Acid Soluble Copper Total Method
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43	<1	0.000
43	<1	0.000
61	<1	0.000
61	<1	0.000
24	0.75	-0.536
102	0.60	0.000
Median	0.60	0.000
237	0.00	2.144

241.30 Lab	%Fe ₂ O ₃	Acid Soluble Iron ICP
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39	2.33	-1.880
24	2.30	-1.400
34	2.29	-1.320
Std Dev	2.27	-1.000
23	2.26	-0.840
23	2.26	-0.840
23	2.24	-0.520
23	2.24	-0.520
24	2.23	-0.360
14	2.22	-0.120
Median	2.21	0.000
32	2.20	0.120
14	2.20	0.200
31	2.19	0.280
61	2.18	0.520
43	2.17	0.600

61	2.15	1.000
Std Dev	2.15	1.000
237	2.12	1.400
43	2.08	2.040
102	2.00	3.392

241.XX Lab	%Fe ₂ O ₃	Acid Soluble Iron Total Method
39	2.33	-1.608
24	2.30	-1.230
34	2.29	-1.167
Std Dev	2.28	-1.000
23	2.26	-0.788
23	2.26	-0.788
23	2.24	-0.536
23	2.24	-0.536
24	2.23	-0.410
14	2.22	-0.221
32	2.20	-0.032
Median	2.20	0.000
14	2.20	0.032
31	2.19	0.095
61	2.18	0.284
43	2.17	0.347
61	2.15	0.662
237	2.12	0.977
Std Dev	2.12	1.000
43	2.08	1.482
241	2.06	1.734
102	2.00	2.548
220	1.95	3.121

251.00 Lab	Total Lead Atomic Absorbtion
113	0.50
Median	0.50

251.30 Lab	PPM	Total Lead ICP
102	<5	0.000
237	1.91	-3.032
Std Dev	1.30	-1.000
43	1.00	0.000
43	1.00	0.000

Median	1.00	0.000
Std Dev	0.70	1.000
61	0.60	1.340
61	0.50	1.675

251.99 Lab	Total Lead Other
24	<0.27
Median	0.00

251.XX Lab	PPM	Total Lead Total Method
102	<5	0.000
24	<0.27	0.000
237	1.91	-3.117
Std Dev	1.15	-1.000
43	1.00	-0.564
43	1.00	-0.564
Median	0.80	0.000
61	0.60	0.564
61	0.50	0.846
113	0.50	0.846

261.00 Lab	Acid Soluble Manganese Atomic Absorption
241	59.60
Median	59.60

261.30 Lab	Acid Soluble Manganese ICP
31	100.50
102	95.65
Median	95.65
Std Dev	89.14
237	83.05

261.99 Lab	PPM	Acid Soluble Manganese Other
43	106.00	-2.546
Std Dev	101.39	-1.000
43	101.00	-0.871
24	98.40	0.000
Median	98.40	0.000
61	97.00	0.469

61	95.50	0.972
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261.XX Lab	PPM	Acid Soluble Manganese Total Method
43	106.00	-2.412
43	101.00	-1.072
Std Dev	100.73	-1.000
31	100.50	-0.938
24	98.40	-0.375
61	97.00	0.000
Median	97.00	0.000
102	95.65	0.362
61	95.50	0.402
Std Dev	93.27	1.000
237	83.05	3.739
241	59.60	10.023

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

281.99 Lab	PPM	Total Mercury Other
102	<0.4	0.000
113	0.04	0.000
Median	0.04	0.000

281.XX Lab	PPM	Total Mercury Total Method
102	<0.4	0.000
24	<0.07	0.000
113	0.04	0.000
Median	0.04	0.000

289.30 Lab	PPM	Total Molybdenum ICP
102		

289.99 Lab	PPM	Total Molybdenum Other
24	20.30	0.000
Median	20.30	0.000

289.XX Lab	PPM	Total Molybdenum Total Method
24	20.30	-1.860
102	20.15	-1.717
Std Dev	19.40	-1.000
43	19.05	-0.668
61	18.50	-0.143
Median	18.35	0.000
43	18.20	0.143
64	18.06	0.277
61	17.50	0.811
Std Dev	17.30	1.000
237	17.10	1.192

291.00 Lab	Total Nickel Atomic Absorbtion
241	42.30
Median	42.30

291.30 Lab	Total Nickel ICP
64	54.18
Std Dev	51.44
43	50.50
102	50.50
61	50.00
Median	50.00
43	49.00
Std Dev	48.56
237	48.15
61	48.00

291.99 Lab	PPM	Total Nickel Other
24	51.60	
Median	51.60	

291.XX Lab	PPM	Total Nickel Total Method
64	54.18	-2.383
Std Dev	51.75	-1.000
24	51.60	-0.912
43	50.50	-0.285
102	50.50	-0.285

61	50.00	0.000
Median	50.00	0.000
43	49.00	0.570
Std Dev	48.25	1.000
237	48.15	1.055
61	48.00	1.140
241	42.30	4.391

301.30 Total Selenium		
Lab	PPM	ICP
102	<10	0.000
61	<1	0.000
61	<1	0.000
24	<0.50	0.000
Median	0.00	0.000

301.XX Total Selenium		
Lab	PPM	Total Mthod
102	<10	0.000
61	<1	0.000
61	<1	0.000
24	<0.50	0.000
Median	0.00	0.000

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbtion
61	0.33	-1.340
Std Dev	0.33	-1.000
Median	0.32	0.000
Std Dev	0.30	1.000
241	0.30	1.340

311.99 Sodium		
Lab	%Na ₂ O	Other
24	0.40	-2.010
Std Dev	0.37	-1.000
24	0.36	-0.447
23	0.36	-0.223
23	0.36	-0.223
23	0.35	0.000
23	0.35	0.000
Median	0.35	0.000
Std Dev	0.33	1.000
61	0.33	1.117

102	0.33	1.117
43	0.32	1.399
43	0.31	1.781

311.XX Sodium		
Lab	%Na ₂ O	Total Method
24	0.40	-2.334
Std Dev	0.36	-1.000
24	0.36	-0.849
23	0.36	-0.637
23	0.36	-0.637
23	0.35	-0.424
23	0.35	-0.424
Median	0.34	0.000
61	0.33	0.424
61	0.33	0.637
102	0.33	0.637
43	0.32	0.904
Std Dev	0.32	1.000
43	0.31	1.268
241	0.30	1.697

321.00 Acid Soluble Zinc		
Lab		Atomic Absorption
113	678.50	-1.340
Std Dev	674.07	-1.000
Median	661.05	0.000
Std Dev	648.03	1.000
241	643.60	1.340

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
237	1472.50	-21.956
64	763.28	-1.480
39	749.00	-1.068
Std Dev	746.64	-1.000
24	712.00	0.000
Median	712.00	0.000
102	711.95	0.001
61	707.50	0.130
61	695.50	0.476

321.99 Acid Soluble Zinc		
Lab		Other

43	736.00	-1.340
Std Dev	731.75	-1.000
Median	719.25	0.000
Std Dev	706.75	1.000
43	702.50	1.340

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
237	1472.50	-23.428
64	763.28	-1.581
39	749.00	-1.141
Std Dev	744.41	-1.000
43	736.00	-0.741
24	712.00	-0.002
102	711.95	0.000
Median	711.95	0.000
61	707.50	0.137
43	702.50	0.291
61	695.50	0.507
Std Dev	679.49	1.000
113	678.50	1.030
241	643.60	2.105

325.10 Fluoride		
Lab	%	Electrode
23	3.93	-1.792
23	3.93	-1.792
23	3.87	-1.754
23	3.87	-1.754
220	0.89	-0.027
31	0.88	-0.023
32	0.86	-0.012
Median	0.84	0.000
24	0.82	0.012
24	0.81	0.017
34	0.81	0.017
237	0.81	0.017
102	0.73	0.063
14	0.73	0.066
111	0.31	0.310

325.99 Fluoride		
Lab	%	Other
61	0.80	-0.558

61	0.79	0.000
Median	0.79	0.000
14	0.73	2.122

325.XX Fluoride		
Lab	%	Total Method
23	3.93	-40.988
23	3.93	-40.988
23	3.87	-40.134
23	3.87	-40.134
220	0.89	-1.012
31	0.88	-0.920
32	0.86	-0.657
24	0.82	-0.131
24	0.81	0.000
34	0.81	0.000
237	0.81	0.000
Median	0.81	0.000
61	0.80	0.131
61	0.79	0.328
102	0.73	1.038
14	0.73	1.077
14	0.73	1.110
111	0.31	6.634