

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	17.50	-1.353
Std Dev	17.42	-1.000
242	17.23	0.000
Median	17.23	0.000
Std Dev	17.03	1.000
49	16.96	1.327

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	17.65	-1.171
Std Dev	17.64	-1.000
24	17.64	-0.986
24	17.57	-0.185
Median	17.56	0.000
61	17.54	0.185
140	17.50	0.678
51	17.48	0.924

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
61	17.65	-2.233
24	17.64	-2.010
24	17.57	-1.042
Std Dev	17.57	-1.000
61	17.54	-0.596
140	17.50	0.000
Median	17.50	0.000
31	17.50	0.074
51	17.48	0.298
Std Dev	17.43	1.000
242	17.23	4.094
49	16.96	8.040

010.10 Total Nitrogen		
Lab	Reduced Iron	
79	17.97	-1.340
Std Dev	17.94	-1.000
Median	17.88	0.000
Std Dev	17.82	1.000
79	17.80	1.340

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
140	17.95	-0.935
40	17.93	-0.841
49	17.80	0.000
Median	17.80	0.000
43	17.72	0.499
43	17.71	0.530

010.12 Total Nitrogen		
Lab	Salicylic	
107	18.03	-1.340
Std Dev	17.98	-1.000
Median	17.84	0.000
Std Dev	17.70	1.000
119	17.65	1.340

010.60 Total Nitrogen		
Lab	Combustion	
99	18.62	-3.057
Std Dev	18.15	-1.000
123	18.15	-0.997
31	18.14	-0.952
65	18.12	-0.842
104	18.11	-0.797
14	18.10	-0.775
14	18.07	-0.642
42	18.07	-0.642
39	18.06	-0.576
77	18.05	-0.554
103	18.03	-0.443
63	18.00	-0.310
66	17.97	-0.199
64	17.97	-0.177
111	17.96	-0.155
63	17.94	-0.066
Median	17.93	0.000
44	17.91	0.066
9	17.90	0.111
9	17.89	0.155
38	17.86	0.288
9	17.84	0.377
49	17.84	0.377
75	17.83	0.421

24	17.77	0.709
34	17.73	0.864
24	17.73	0.886
270	17.70	0.997
Std Dev	17.70	1.000
102	17.65	1.218
95	17.60	1.440
110	17.45	2.104
96	17.40	2.326
80	17.35	2.547

010.99 Total Nitrogen		
Lab	Other	
47	17.99	-0.940
47	17.99	-0.940
51	17.79	0.000
Median	17.79	0.000
23	17.71	0.400
23	17.68	0.517

010.XX Total Nitrogen		
Lab	Total Method	
99	18.62	-3.267
123	18.15	-1.127
31	18.14	-1.081
Std Dev	18.12	-1.000
65	18.12	-0.966
104	18.11	-0.920
14	18.10	-0.897
14	18.07	-0.759
42	18.07	-0.759
39	18.06	-0.690
77	18.05	-0.667
103	18.03	-0.552
107	18.03	-0.552
63	18.00	-0.414
47	17.99	-0.391
47	17.99	-0.391
66	17.97	-0.299
64	17.97	-0.276
79	17.97	-0.276
111	17.96	-0.253
140	17.95	-0.184
63	17.94	-0.161

40	17.93	-0.115
44	17.91	-0.023
Median	17.91	0.000
9	17.90	0.023
9	17.89	0.069
38	17.86	0.207
9	17.84	0.299
49	17.84	0.299
75	17.83	0.345
79	17.80	0.483
49	17.80	0.506
51	17.79	0.529
24	17.77	0.644
34	17.73	0.805
24	17.73	0.828
43	17.72	0.874
43	17.71	0.897
23	17.71	0.920
270	17.70	0.943
Std Dev	17.69	1.000
23	17.68	1.035
102	17.65	1.173
119	17.65	1.173
95	17.60	1.403
110	17.45	2.093
96	17.40	2.323
80	17.35	2.553

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
40	47.63	-4.439
Std Dev	46.79	-1.000
241	46.58	-0.123
Median	46.55	0.000
79	46.52	0.123
103	46.50	0.184

020.20 Total Phosphate		
Lab	Spectrometric	
95	47.05	-1.130
123	47.01	-1.025
Std Dev	46.99	-1.000
31	46.98	-0.967
220	46.93	-0.851

99	46.92	-0.816
43	46.87	-0.711
24	46.69	-0.280
9	46.64	-0.175
24	46.58	-0.023
102	46.57	0.000
Median	46.57	0.000
34	46.43	0.315
270	46.42	0.338
140	46.41	0.373
23	46.32	0.571
23	46.32	0.583
Std Dev	46.14	1.000
51	46.14	1.002
43	46.05	1.200
110	45.40	2.715
242	44.33	5.220

020.30		Total Phosphate
Lab		Alka. Quimociac
111	46.29	0.000
Median	46.29	0.000

020.40		Total Phosphate
Lab		Automated
14	46.76	-1.627
Std Dev	46.74	-1.000
61	46.73	-0.479
Median	46.72	0.000
14	46.71	0.479
61	46.70	0.861

020.99		Total Phosphate
Lab		Other
96	47.12	-2.694
Std Dev	46.82	-1.000
9	46.67	-0.194
Median	46.64	0.000
9	46.60	0.194
Std Dev	46.45	1.000
79	46.37	1.500

020.XX		Total Phosphate
Lab		Total Method

40	47.63	-3.559
96	47.12	-1.818
95	47.05	-1.579
123	47.01	-1.425
31	46.98	-1.340
220	46.93	-1.170
99	46.92	-1.118
Std Dev	46.88	-1.000
43	46.87	-0.964
14	46.76	-0.589
61	46.73	-0.486
14	46.71	-0.401
61	46.70	-0.367
24	46.69	-0.333
9	46.67	-0.282
9	46.64	-0.179
9	46.60	-0.043
Median	46.59	0.000
24	46.58	0.043
241	46.58	0.043
102	46.57	0.077
79	46.52	0.248
103	46.50	0.299
34	46.43	0.538
270	46.42	0.572
140	46.41	0.623
79	46.37	0.760
23	46.32	0.913
23	46.32	0.930
Std Dev	46.29	1.000
111	46.29	1.033
51	46.14	1.545
43	46.05	1.835
110	45.40	4.054
242	44.33	7.724

030.10		Insoluble Phosphate
Lab		Gravimetric Quimociac
79	0.80	-1.340
Std Dev	0.78	-1.000
Median	0.71	0.000
Std Dev	0.63	1.000
79	0.61	1.340

030.20		Insoluble Phosphate
Lab		Spectrometric
24	1.37	-2.819
24	1.00	-1.351
43	0.95	-1.180
Std Dev	0.91	-1.000
31	0.78	-0.489
23	0.67	-0.078
23	0.65	0.000
Median	0.65	0.000
9	0.57	0.313
43	0.56	0.345
9	0.48	0.666
9	0.45	0.783
140	0.40	0.998

030.40		Insoluble Phosphate
Lab		Automated
61	0.51	-1.340
Std Dev	0.50	-1.000
Median	0.48	0.000
Std Dev	0.46	1.000
61	0.45	1.340

030.50		Insoluble Phosphate
Lab		ICP
14	0.82	-0.109
14	0.81	0.000
Median	0.81	0.000
Std Dev	0.71	1.000
34	0.57	2.571

030.XX		Insoluble Phosphate
Lab		Total Method
24	1.37	-3.532
24	1.00	-1.742
43	0.95	-1.534
Std Dev	0.84	-1.000
14	0.82	-0.883
14	0.81	-0.835
79	0.80	-0.811
31	0.78	-0.692
23	0.67	-0.191
23	0.65	-0.095

Median	0.63	0.000
79	0.61	0.095
9	0.57	0.286
34	0.57	0.286
43	0.56	0.325
61	0.51	0.573
9	0.48	0.716
9	0.45	0.859
61	0.45	0.859
Std Dev	0.42	1.000
140	0.40	1.122

040.10		Indirect Available Phosphate
Lab		Gravimetric Quimociac
79	45.76	-1.340
Std Dev	45.75	-1.000
Median	45.74	0.000
Std Dev	45.72	1.000
79	45.72	1.340

040.20		Indirect Available Phosphate
Lab		Spectrometric
123	46.88	-2.382
Std Dev	46.32	-1.000
9	46.22	-0.744
9	46.22	-0.744
31	46.21	-0.707
9	46.07	-0.360
140	46.01	-0.223
43	45.92	0.000
Median	45.92	0.000
34	45.86	0.149
24	45.69	0.571
23	45.67	0.633
23	45.65	0.670
Std Dev	45.52	1.000
43	45.49	1.079
24	45.21	1.774

040.40		Indirect Available Phosphate
Lab		Automated
61	46.28	-1.039
Std Dev	46.27	-1.000
61	46.19	-0.589

Median	46.07	0.000
14	45.96	0.589
14	45.92	0.789

040.XX	Indirect Available Phosphate	
Lab	Total Method	

123	46.88	-2.599
Std Dev	46.29	-1.000
61	46.28	-0.975
9	46.22	-0.812
9	46.22	-0.812
31	46.21	-0.772
61	46.19	-0.731
9	46.07	-0.393
140	46.01	-0.244
14	45.96	-0.095
43	45.92	0.000

Median	45.92	0.000
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14	45.92	0.014
34	45.86	0.162
79	45.76	0.433
79	45.72	0.555
24	45.69	0.623
23	45.67	0.690
23	45.65	0.731
Std Dev	45.55	1.000
43	45.49	1.178
24	45.21	1.936

041.10	Direct Available Phosphate	
Lab	Gravimetric Quimociac	

119	46.65	-1.663
39	46.58	-1.351
Std Dev	46.49	-1.000
87	46.30	-0.208
47	46.27	-0.083
47	46.27	-0.083
Median	46.25	0.000
104	46.23	0.083
Std Dev	46.01	1.000
220	46.00	1.037
65	45.96	1.205
107	45.71	2.245
49	45.03	5.092

041.40	Direct Available Phosphate	
Lab	Automated	

38	47.27	-0.618
42	47.13	-0.495
39	46.59	0.000
Median	46.59	0.000
44	45.66	0.845
Std Dev	45.48	1.000
49	45.11	1.340

041.50	Direct Available Phosphate	
Lab	ICP	

66	46.05	-3.977
Std Dev	45.00	-1.000
80	44.90	-0.713
87	44.65	0.000
Median	44.65	0.000
63	44.43	0.627
Std Dev	44.30	1.000
63	44.19	1.326

041.60	Direct Available Phosphate	
Lab	EDTA Extract	

65	46.27	-1.340
Std Dev	46.20	-1.000
Median	46.00	0.000
Std Dev	45.79	1.000
77	45.73	1.340

041.XX	Direct Available Phosphate	
Lab	Total Method	

38	47.27	-1.591
42	47.13	-1.418
Std Dev	46.80	-1.000
119	46.65	-0.803
39	46.59	-0.720
39	46.58	-0.707
87	46.30	-0.355
47	46.27	-0.317
47	46.27	-0.317
65	46.27	-0.317
104	46.23	-0.265
66	46.05	-0.028

Median	46.02	0.000
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220	46.00	0.028
65	45.96	0.080
77	45.73	0.381
107	45.71	0.401
44	45.66	0.471
Std Dev	45.24	1.000
49	45.11	1.169
49	45.03	1.278
80	44.90	1.438
87	44.65	1.758
63	44.43	2.040
63	44.19	2.354

048.10	Water Soluble Phosphate	
Lab	Gravimetric Quimociac	

79	41.50	-1.340
Std Dev	41.47	-1.000
Median	41.37	0.000
Std Dev	41.27	1.000
79	41.24	1.340

048.20	Water Soluble Phosphate	
Lab	Spectrometric	

9	41.99	-1.467
Std Dev	41.85	-1.000
43	41.79	-0.811
24	41.76	-0.697
9	41.73	-0.615
123	41.72	-0.566
9	41.71	-0.549
24	41.69	-0.467
Median	41.54	0.000
140	41.40	0.467
23	41.35	0.631
34	41.34	0.664
23	41.31	0.762
Std Dev	41.24	1.000
31	41.23	1.041
43	41.02	1.729
220	18.27	76.284

048.30	Water Soluble Phosphate	
Lab	Alka. Quimociac	

111	40.45	0.000
Median	40.45	0.000

048.99	Water Soluble Phosphate	
Lab	Other	

14	41.87	-0.980
14	41.84	-0.879
61	41.53	0.000
Median	41.53	0.000
61	41.37	0.461
Std Dev	41.18	1.000
51	39.12	6.945

048.XX	Water Soluble Phosphate	
Lab	Total Method	

9	41.99	-1.544
14	41.87	-1.201
14	41.84	-1.101
Std Dev	41.80	-1.000
43	41.79	-0.972
24	41.76	-0.872
9	41.73	-0.800
123	41.72	-0.758
9	41.71	-0.743
24	41.69	-0.672
61	41.53	-0.229
79	41.50	-0.143
Median	41.45	0.000

140	41.40	0.143
61	41.37	0.229
23	41.35	0.286
34	41.34	0.314
23	41.31	0.400
79	41.24	0.600
31	41.23	0.643
Std Dev	41.10	1.000
43	41.02	1.244
111	40.45	2.873
51	39.12	6.661
220	18.27	66.255

050.30	Soluble Potash	
Lab	Atomic Absorption(Oxalate)	

95	0.84	0.000
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Median 0.84 0.000

050.50	%K ₂ O	Soluble Potash
Lab		ICP(Oxalate)

51 0.15 0.000

Median 0.15 0.000

050.51	%K ₂ O	Soluble Potash
Lab		ICP(Citrate)

87 0.20 0.000

Median 0.20 0.000

050.99	%K ₂ O	Soluble Potash
Lab		Other

102 0.16 -2.984

Std Dev 0.14 -1.000

23 0.14 -0.512

23 0.14 -0.512

61 0.14 -0.512

43 0.14 0.000

Median 0.14 0.000

43 0.13 0.299

61 0.13 0.828

Std Dev 0.13 1.000

24 0.11 3.508

24 0.11 3.508

050.XX	%K ₂ O	Soluble Potash
Lab		Total Method

95 0.84 0.000

87 0.20 0.000

102 0.16 0.000

51 0.15 0.000

Std Dev 0.00 -1.000

23 0.14 0.000

23 0.14 0.000

61 0.14 0.000

Median 0.00 0.000

43 0.14 0.000

43 0.13 0.000

61 0.13 0.000

Std Dev 0.00 1.000

24 0.11 0.000

24 0.11 0.000

060.00	Free Water
Lab	Vacuum Oven

220 2.74 -4.908

24 2.24 -1.679

24 2.21 -1.485

Std Dev 2.13 -1.000

23 2.06 -0.484

23 2.04 -0.355

9 2.03 -0.323

9 2.03 -0.323

9 1.98 0.000

Median 1.98 0.000

31 1.95 0.194

43 1.93 0.355

111 1.87 0.743

Std Dev 1.83 1.000

123 1.81 1.098

43 1.72 1.679

14 1.62 2.325

14 1.58 2.583

060.10	Free Water
Lab	Vacuum Desiccate

61 2.30 -3.729

Std Dev 2.07 -1.000

61 2.01 -0.350

34 1.98 0.000

Median 1.98 0.000

79 1.90 0.990

Std Dev 1.89 1.000

79 1.71 3.146

060.99	Free Water
Lab	Other

140 2.01 0.000

Median 2.01 0.000

060.XX	Free Water
Lab	Total Method

220 2.74 -5.991

61 2.30 -2.522

24 2.24 -2.049

24 2.21 -1.813

Std Dev 2.11 -1.000

23 2.06 -0.591

23 2.04 -0.434

9 2.03 -0.394

9 2.03 -0.394

61 2.01 -0.236

140 2.01 -0.197

9 1.98 0.000

34 1.98 0.000

Median 1.98 0.000

31 1.95 0.236

43 1.93 0.434

79 1.90 0.670

111 1.87 0.906

Std Dev 1.85 1.000

123 1.81 1.340

43 1.72 2.049

79 1.71 2.128

14 1.62 2.838

14 1.58 3.153

101.30	%CaO	Acid Soluble Calcium
Lab		ICP

24 0.51 -10.486

24 0.34 -1.997

14 0.34 -1.748

Std Dev 0.32 -1.000

34 0.32 -0.749

31 0.31 -0.499

61 0.31 -0.499

61 0.31 -0.499

102 0.31 -0.345

9 0.30 0.000

14 0.30 0.000

Median 0.30 0.000

39 0.30 0.165

9 0.29 0.499

87 0.29 0.678

43 0.28 0.895

9 0.28 0.999

Std Dev 0.28 1.000

43 0.28 1.195

23 0.27 1.748

23 0.25 2.497

101.XX	%CaO	Acid Soluble Calcium
Lab		Total Method

24 0.51 -10.486

24 0.34 -1.997

14 0.34 -1.748

Std Dev 0.32 -1.000

34 0.32 -0.749

31 0.31 -0.499

61 0.31 -0.499

61 0.31 -0.499

102 0.31 -0.345

9 0.30 0.000

14 0.30 0.000

Median 0.30 0.000

39 0.30 0.165

9 0.29 0.499

87 0.29 0.678

43 0.28 0.895

9 0.28 0.999

Std Dev 0.28 1.000

43 0.28 1.195

23 0.27 1.748

23 0.25 2.497

121.30	%MgO	Acid Soluble Magnesium
Lab		ICP

24 1.52 -2.555

23 1.47 -1.677

24 1.46 -1.597

23 1.45 -1.357

102 1.44 -1.288

Std Dev 1.42 -1.000

51 1.41 -0.719

39 1.38 -0.240

34 1.37 -0.160

241 1.37 -0.080

14 1.36 0.000

14 1.36 0.000

Median 1.36 0.000

87 1.34 0.319

9 1.34 0.319

9 1.34 0.319

9 1.33 0.479

61	1.33	0.479
61	1.32	0.639
31	1.32	0.719
Std Dev	1.30	1.000
43	1.26	1.597
43	1.17	3.034

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
24	1.52	-2.555
23	1.47	-1.677
24	1.46	-1.597
23	1.45	-1.357
102	1.44	-1.288
Std Dev	1.42	-1.000
51	1.41	-0.719
39	1.38	-0.240
34	1.37	-0.160
241	1.37	-0.080
14	1.36	0.000
14	1.36	0.000
Median	1.36	0.000
87	1.34	0.319
9	1.34	0.319
9	1.34	0.319
9	1.33	0.479
61	1.33	0.479
61	1.32	0.639
31	1.32	0.719
Std Dev	1.30	1.000
43	1.26	1.597
43	1.17	3.034

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	1.30	-1.340
Std Dev	1.30	-1.000
Median	1.29	0.000
Std Dev	1.27	1.000
61	1.27	1.340

144.02 Sulfate Sulfur (S)		
Lab		Gravimetric
111	1.46	0.000

Median	1.46	0.000
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144.70 Sulfur		
Lab		Spectrometric
9	1.13	0.000
Median	1.13	0.000

144.99 Sulfate Sulfur (S)		
Lab		Other
43	1.35	-2.457
43	1.32	-2.122
220	1.31	-2.047
24	1.24	-1.228
Std Dev	1.22	-1.000
24	1.21	-0.893
14	1.18	-0.503
14	1.18	-0.503
51	1.16	-0.335
23	1.13	0.000
Median	1.13	0.000
102	1.12	0.059
23	1.11	0.223
34	1.10	0.335
270	1.09	0.447
9	1.08	0.558
9	1.08	0.558
31	1.07	0.670
87	1.06	0.838

144.XX Sulfate Sulfur (S)		
Lab		Total Method
111	1.46	-2.365
43	1.35	-1.498
43	1.32	-1.261
220	1.31	-1.209
61	1.30	-1.104
Std Dev	1.29	-1.000
61	1.27	-0.867
24	1.24	-0.631
24	1.21	-0.394
14	1.18	-0.118
14	1.18	-0.118
51	1.16	0.000
Median	1.16	0.000

9	1.13	0.236
23	1.13	0.236
102	1.12	0.278
23	1.11	0.394
34	1.10	0.473
270	1.09	0.552
9	1.08	0.631
9	1.08	0.631
31	1.07	0.709
87	1.06	0.828

151.30 Total Arsenic		
Lab		ICP
102	24.55	-0.893
9	22.16	-0.611
Median	16.98	0.000
64	11.80	0.611
24	10.20	0.799

151.99 Total Arsenic		
Lab		Other
270	14.00	-2.948
Std Dev	12.55	-1.000
61	12.00	-0.268
61	11.80	0.000
Median	11.80	0.000
Std Dev	11.05	1.000
51	11.00	1.072
87	8.65	4.221

151.XX Total Arsenic		
Lab		Total Method
102	24.55	-5.695
9	22.16	-4.627
Std Dev	14.04	-1.000
270	14.00	-0.983
61	12.00	-0.089
61	11.80	0.000
Median	11.80	0.000
64	11.80	0.002
51	11.00	0.357
24	10.20	0.715
Std Dev	9.56	1.000
87	8.65	1.407

165.99 Acid Soluble Boron		
Lab	PPM	Other
87	452.15	-2.660
Std Dev	198.06	-1.000
102	45.00	0.000
Median	45.00	0.000
24	41.95	0.020

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
87	452.15	-2.660
Std Dev	198.06	-1.000
102	45.00	0.000
Median	45.00	0.000
24	41.95	0.020

181.00 Total Cadmium		
Lab		Atomic Absorption
220	3.00	0.000
Median	3.00	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
270	4.35	-3.315
Std Dev	3.32	-1.000
9	3.10	-0.506
64	3.05	-0.382
61	3.00	-0.281
61	3.00	-0.281
Median	2.88	0.000
43	2.75	0.281
43	2.70	0.393
Std Dev	2.43	1.000
87	2.35	1.180
102	2.20	1.517
51	2.00	1.966

181.99 Total Cadmium		
Lab		Other
24	2.27	0.000
Median	2.27	0.000

181.XX		Total Cadmium
Lab	PPM	Total Method
270	4.35	-2.901
Std Dev	3.38	-1.000
9	3.10	-0.443
64	3.05	-0.334
61	3.00	-0.246
61	3.00	-0.246
220	3.00	-0.246
Median	2.88	0.000
43	2.75	0.246
43	2.70	0.344
Std Dev	2.37	1.000
87	2.35	1.033
24	2.27	1.190
102	2.20	1.328
51	2.00	1.721

190.00		Aluminum
Lab	%Al ₂ O ₃	ICP
14	1.67	-0.873
51	1.67	-0.873
34	1.66	-0.813
9	1.66	-0.753
14	1.66	-0.753
9	1.65	-0.693
9	1.65	-0.693
23	1.61	-0.211
31	1.61	-0.211
Median	1.59	0.000
23	1.58	0.211
24	1.57	0.271
24	1.56	0.391
61	1.55	0.512
61	1.54	0.632
43	1.53	0.753
Std Dev	1.51	1.000
87	1.51	1.005
43	1.41	2.258
102	1.36	2.744

190.99		Aluminum
Lab	%Al ₂ O ₃	Atomic Absorption
220	1.85	-1.340

Std Dev	1.82	-1.000
Median	1.76	0.000
Std Dev	1.70	1.000
241	1.68	1.340

190.XX		Aluminum
Lab	%Al ₂ O ₃	Total Method
220	1.85	-2.896
Std Dev	1.69	-1.000
241	1.68	-0.863
14	1.67	-0.678
51	1.67	-0.678
34	1.66	-0.616
9	1.66	-0.554
14	1.66	-0.554
9	1.65	-0.493
9	1.65	-0.493
23	1.61	0.000
31	1.61	0.000
Median	1.61	0.000
23	1.58	0.431
24	1.57	0.493
24	1.56	0.616
61	1.55	0.739
61	1.54	0.863
43	1.53	0.986
Std Dev	1.53	1.000
87	1.51	1.243
43	1.41	2.526
102	1.36	3.023

191.30		Total Chromium
Lab		ICP
87	118.70	-1.984
Std Dev	116.37	-1.000
64	115.99	-0.840
9	115.85	-0.781
31	115.50	-0.633
43	114.50	-0.211
61	114.00	0.000
270	114.00	0.000
Median	114.00	0.000
61	113.00	0.422
51	112.00	0.844

Std Dev	111.63	1.000
102	111.50	1.055
43	108.50	2.321

191.99		Total Chromium
Lab	PPM	Other
24	91.60	0.000
Median	91.60	0.000

191.XX		Total Chromium
Lab	PPM	Total Method
87	118.70	-1.696
Std Dev	116.77	-1.000
64	115.99	-0.718
9	115.85	-0.668
31	115.50	-0.541
43	114.50	-0.180
61	114.00	0.000
270	114.00	0.000
Median	114.00	0.000
61	113.00	0.361
51	112.00	0.722
102	111.50	0.902
Std Dev	111.23	1.000
43	108.50	1.985
24	91.60	8.085

202.30		Acid Soluble Cobalt
Lab	PPM	ICP
87	3.45	-5.025
64	3.38	-4.243
Std Dev	3.09	-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	2.91	1.000
102	2.90	1.117
9	1.45	17.308

202.99		Acid Soluble Cobalt
Lab		Other
24	2.43	0.000

Median	2.43	0.000
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202.XX		Acid Soluble Cobalt
Lab	PPM	Total Method
87	3.45	-6.030
64	3.38	-5.092
Std Dev	3.07	-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	2.93	1.000
102	2.90	1.340
24	2.43	7.638
9	1.45	20.770

221.30		Acid Soluble Copper
Lab	PPM	ICP
43	<1	0.000
43	<1	0.000
87	<0.9	0.000
270	4.50	-1.971
Std Dev	3.27	-1.000
51	3.00	-0.788
61	2.00	0.000
Median	2.00	0.000
102	1.30	0.552
61	1.00	0.788

221.99		Acid Soluble Copper
Lab		Other
24	0.71	0.000
Median	0.71	0.000

221.XX		Acid Soluble Copper
Lab	PPM	Total Method
43	<1	0.000
43	<1	0.000
87	<0.9	0.000
270	4.50	-2.280
51	3.00	-1.080
Std Dev	2.90	-1.000
61	2.00	-0.280

Median	1.65	0.000
102	1.30	0.280
61	1.00	0.520
24	0.71	0.752

241.00	Acid Soluble Iron
Lab	%Fe ₂ O ₃ Atomic Absorption
220	1.50 0.000
Median	1.50 0.000

241.30	Acid Soluble Iron
Lab	%Fe ₂ O ₃ ICP

24	1.63	-3.608
24	1.62	-3.387
51	1.60	-2.836
241	1.54	-1.622
Std Dev	1.51	-1.000
34	1.51	-0.960
102	1.50	-0.834
14	1.50	-0.739
14	1.49	-0.408
23	1.48	-0.298
39	1.47	-0.143
Median	1.47	0.000
9	1.46	0.143
9	1.46	0.143
31	1.46	0.143
9	1.46	0.254
23	1.45	0.364
43	1.43	0.805
Std Dev	1.42	1.000
61	1.41	1.247
87	1.41	1.297
43	1.40	1.467
61	1.36	2.350

241.XX	Acid Soluble Iron
Lab	%Fe ₂ O ₃ Total Method

24	1.63	-3.874
24	1.62	-3.628
51	1.60	-3.011
241	1.54	-1.653
Std Dev	1.51	-1.000
34	1.51	-0.913

102	1.50	-0.772
220	1.50	-0.707
14	1.50	-0.666
14	1.49	-0.296
23	1.48	-0.173
39	1.47	0.000
Median	1.47	0.000
9	1.46	0.321
9	1.46	0.321
31	1.46	0.321
9	1.46	0.444
23	1.45	0.568
Std Dev	1.43	1.000
43	1.43	1.061
61	1.41	1.555
87	1.41	1.611
43	1.40	1.801
61	1.36	2.789

251.30	Total Lead
Lab	PPM ICP

64	<MDL	0.000
87	<5	0.000
102	<5	0.000
9	12.44	-40.879
270	1.50	-1.787
Std Dev	1.28	-1.000
43	1.00	0.000
43	1.00	0.000
61	1.00	0.000
61	1.00	0.000
Median	1.00	0.000

251.99	Total Lead
Lab	PPM Other

24	1.56	0.000
Median	1.56	0.000

251.XX	Total Lead
Lab	PPM Total Method

64	<MDL	0.000
87	<5	0.000
102	<5	0.000
9	12.44	-28.924

24	1.56	-1.416
270	1.50	-1.264
Std Dev	1.40	-1.000
43	1.00	0.000
43	1.00	0.000
61	1.00	0.000
61	1.00	0.000
Median	1.00	0.000

261.30	Acid Soluble Manganese
Lab	PPM ICP

9	279.43	-3.000
Std Dev	269.24	-1.000
87	269.15	-0.982
61	269.00	-0.952
102	264.15	0.000
Median	264.15	0.000
39	262.50	0.324
61	262.00	0.422
Std Dev	259.06	1.000
31	256.50	1.502

261.99	Acid Soluble Manganese
Lab	PPM Other

43	264.50	-0.700
51	259.00	-0.030
Median	258.75	0.000
43	258.50	0.030
Std Dev	250.54	1.000
24	222.00	4.477

261.XX	Acid Soluble Manganese
Lab	PPM Total Method

9	279.43	-2.836
87	269.15	-1.114
61	269.00	-1.089
Std Dev	268.47	-1.000
43	264.50	-0.335
102	264.15	-0.276
39	262.50	0.000
Median	262.50	0.000
61	262.00	0.084
51	259.00	0.586
43	258.50	0.670

Std Dev	256.53	1.000
31	256.50	1.005
24	222.00	6.784

281.00	Total Mercury
Lab	PPM Atomic Absorption

87	<0.025	0.000
Median	0.00	0.000

281.30	Total Mercury
Lab	PPM ICP

270	<1	0.000
24	<0.07	0.000
Median	0.00	0.000

281.99	Total Mercury
Lab	PPM Other

102	<0.4	0.000
Median	0.00	0.000

281.XX	Total Mercury
Lab	PPM Total Method

270	<1	0.000
102	<0.4	0.000
24	<0.07	0.000
87	<0.025	0.000
Median	0.00	0.000

289.30	Total Molybdenum
Lab	PPM ICP

61	9.00	-1.197
9	8.86	-1.033
Std Dev	8.83	-1.000
64	8.36	-0.450
61	8.00	-0.029
Median	7.98	0.000
102	7.95	0.029
87	7.35	0.730
43	7.30	0.788
43	7.30	0.788

289.99	Total Molybdenum
Lab	PPM Other

24	7.04	0.000
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Median 7.04 0.000

289.XX		Total Molybdenum
Lab	PPM	Total Method

61	9.00	-1.327
9	8.86	-1.150

Std Dev 8.74 -1.000

64	8.36	-0.518
61	8.00	-0.063
102	7.95	0.000

Median 7.95 0.000

87	7.35	0.758
43	7.30	0.822
43	7.30	0.822

Std Dev 7.16 1.000

24	7.04	1.150
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291.30		Total Nickel
Lab	ICP	

270	13.50	-1.473
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Std Dev 13.01 -1.000

51	13.00	-0.990
64	12.55	-0.555
61	12.00	-0.024
61	12.00	-0.024

Median 11.98 0.000

102	11.95	0.024
87	11.10	0.845
43	11.00	0.942
43	11.00	0.942

Std Dev 10.94 1.000

9	10.63	1.299
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291.99		Total Nickel
Lab	PPM	Other

24	10.70	0.000
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Median 10.70 0.000

291.XX		Total Nickel
Lab	PPM	Total Method

270	13.50	-1.629
51	13.00	-1.104

Std Dev 12.90 -1.000

64	12.55	-0.631
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61	12.00	-0.053
61	12.00	-0.053
102	11.95	0.000

Median 11.95 0.000

87	11.10	0.893
43	11.00	0.998
43	11.00	0.998

Std Dev 11.00 1.000

24	10.70	1.314
9	10.63	1.387

301.30		Total Selenium
Lab	PPM	ICP

64	<MDL	0.000
102	<5	0.000
87	<4.6	0.000
24	<0.5	0.000
9	18.39	0.000

Median 18.39 0.000

301.XX		Total Selenium
Lab	PPM	Total Mthod

64	<MDL	0.000
102	<5	0.000
87	<4.6	0.000
24	<0.5	0.000
9	18.39	0.000

Median 18.39 0.000

311.00		Sodium
Lab	%Na ₂ O	Atomic Absorbtion

61	0.23	-1.340
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Std Dev 0.23 -1.000

Median 0.22 0.000

Std Dev 0.20 1.000

61	0.20	1.340
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311.99		Sodium
Lab	%Na ₂ O	Other

102	7.85	-340.871
51	0.48	-11.390

Std Dev 0.24 -1.000

23	0.23	-0.447
87	0.22	-0.174

23	0.22	0.000
24	0.22	0.000

Median 0.22 0.000

24	0.20	0.893
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Std Dev 0.20 1.000

43	0.18	1.804
43	0.18	1.828

311.XX		Sodium
Lab	%Na ₂ O	Total Method

102	7.85	-340.871
51	0.48	-11.390

Std Dev 0.24 -1.000

23	0.23	-0.447
61	0.23	-0.447
87	0.22	-0.174
23	0.22	0.000
24	0.22	0.000

Median 0.22 0.000

24	0.20	0.893
61	0.20	0.893

Std Dev 0.20 1.000

43	0.18	1.804
43	0.18	1.828

321.30		Acid Soluble Zinc
Lab	PPM	ICP

64	40.98	-1.370
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Std Dev 40.39 -1.000

61	40.00	-0.749
9	39.97	-0.730
102	39.65	-0.526

Median 38.83 0.000

51	38.00	0.526
61	38.00	0.526
87	37.50	0.844

Std Dev 37.26 1.000

24	33.60	3.330
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321.99		Acid Soluble Zinc
Lab	Other	

270	42.00	-2.144
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Std Dev 39.87 -1.000

43	38.00	0.000
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Median 38.00 0.000

43	37.00	0.536
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321.XX		Acid Soluble Zinc
Lab	PPM	Total Method

270	42.00	-2.398
64	40.98	-1.784
61	40.00	-1.199
9	39.97	-1.181

Std Dev 39.67 -1.000

102	39.65	-0.989
43	38.00	0.000
51	38.00	0.000
61	38.00	0.000

Median 38.00 0.000

87	37.50	0.300
43	37.00	0.600

Std Dev 36.33 1.000

24	33.60	2.638
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325.10		Fluoride
Lab	%	Electrode

111	2.60	-3.603
270	2.40	-1.889
220	2.34	-1.362

Std Dev 2.30 -1.000

102	2.28	-0.791
43	2.25	-0.527
23	2.21	-0.220
24	2.20	-0.132

Median 2.19 0.000

24	2.17	0.132
23	2.17	0.176
43	2.15	0.351
51	2.11	0.703

Std Dev 2.07 1.000

31	2.06	1.142
14	1.90	2.504
14	1.87	2.812

325.99		Fluoride
Lab	%	Other

61	2.32	-1.269
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Std Dev 2.31 -1.000

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61	2.29	-0.423
Median	2.28	0.000
9	2.26	0.423
Std Dev	2.24	1.000
9	2.22	1.552

325.XX Lab	%	Fluoride Total Method
111	2.60	-3.737
270	2.40	-1.819
220	2.34	-1.229
61	2.32	-1.033
Std Dev	2.32	-1.000
61	2.29	-0.738
102	2.28	-0.590
9	2.26	-0.443
43	2.25	-0.295
9	2.22	-0.049
Median	2.22	0.000
23	2.21	0.049
24	2.20	0.148
24	2.17	0.443
23	2.17	0.492
43	2.15	0.688
Std Dev	2.11	1.000
51	2.11	1.082
31	2.06	1.574
14	1.90	3.098
14	1.87	3.442