

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
242	11.18	-2.785
Std Dev	10.58	-1.000
79	10.32	-0.225
Median	10.25	0.000
31	10.17	0.225
Std Dev	9.91	1.000
49	9.84	1.228

001.99 Ammoniacal Nitrogen		
Lab	Other	
124	10.80	-16.348
61	10.31	-3.216
Std Dev	10.23	-1.000
23	10.21	-0.536
23	10.21	-0.402
140	10.19	0.000
253	10.19	0.000
Median	10.19	0.000
61	10.16	0.804
Std Dev	10.15	1.000
24	9.99	5.360
24	9.96	6.164

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
242	11.18	-8.799
124	10.80	-5.449
79	10.32	-1.161
61	10.31	-1.072
Std Dev	10.30	-1.000
23	10.21	-0.179
23	10.21	-0.134
140	10.19	0.000
253	10.19	0.000
Median	10.19	0.000
31	10.17	0.179
61	10.16	0.268
Std Dev	10.08	1.000
24	9.99	1.787
24	9.96	2.055
49	9.84	3.171

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
253	10.28	-2.903
Std Dev	10.24	-1.000
40	10.22	-0.223
43	10.22	0.000
Median	10.22	0.000
Std Dev	10.19	1.000
43	10.19	1.117
49	10.08	6.030

010.12 Total Nitrogen		
Lab	Salicylic	
119	10.14	-1.340
Std Dev	10.13	-1.000
Median	10.12	0.000
Std Dev	10.11	1.000
107	10.10	1.340

010.60 Total Nitrogen		
Lab	Combustion	
31	10.32	-0.824
77	10.27	-0.625
64	10.26	-0.586
104	10.25	-0.526
38	10.23	-0.467
42	10.23	-0.467
111	10.23	-0.447
34	10.22	-0.427
14	10.22	-0.407
9	10.21	-0.387
14	10.20	-0.347
65	10.20	-0.328
39	10.19	-0.308
102	10.19	-0.288
9	10.13	-0.069
Median	10.11	0.000
49	10.10	0.069
35	10.09	0.109
99	10.08	0.149
87	10.00	0.447
123	9.93	0.725
80	9.90	0.844
24	9.89	0.903

24	9.88	0.923
63	9.87	0.983
Std Dev	9.86	1.000
29	9.85	1.042
66	9.82	1.181
75	9.80	1.241
63	9.79	1.280
96	9.72	1.558
95	9.43	2.710

010.99 Total Nitrogen		
Lab	Other	
47	10.03	0.000
Median	10.03	0.000

010.XX Total Nitrogen		
Lab	Total Method	
31	10.32	-0.796
253	10.28	-0.624
77	10.27	-0.581
64	10.26	-0.538
104	10.25	-0.474
38	10.23	-0.409
42	10.23	-0.409
111	10.23	-0.387
34	10.22	-0.366
40	10.22	-0.366
14	10.22	-0.344
43	10.22	-0.344
9	10.21	-0.323
14	10.20	-0.280
65	10.20	-0.258
39	10.19	-0.237
43	10.19	-0.237
102	10.19	-0.215
119	10.14	-0.022
Median	10.14	0.000
9	10.13	0.022
107	10.10	0.151
49	10.10	0.172
35	10.09	0.215
49	10.08	0.237
99	10.08	0.258
47	10.03	0.452

87	10.00	0.581
123	9.93	0.883
Std Dev	9.90	1.000
80	9.90	1.012
24	9.89	1.076
24	9.88	1.098
63	9.87	1.162
29	9.85	1.227
66	9.82	1.378
75	9.80	1.442
63	9.79	1.485
96	9.72	1.787
95	9.43	3.035

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
40	51.25	-0.055
79	51.17	-0.045
Median	50.81	0.000
35	50.45	0.045
Std Dev	42.74	1.000
103	10.18	5.038

020.20 Total Phosphate		
Lab	Spectrometric	
242	52.62	-3.764
99	51.35	-1.306
253	51.22	-1.059
Std Dev	51.19	-1.000
102	51.06	-0.755
123	51.00	-0.639
24	50.98	-0.590
34	50.79	-0.232
9	50.76	-0.164
140	50.68	-0.019
31	50.67	0.000
Median	50.67	0.000
23	50.60	0.135
9	50.54	0.252
24	50.49	0.348
23	50.36	0.600
43	50.23	0.851
43	50.19	0.929
Std Dev	50.15	1.000

220	50.15	1.013
95	49.70	1.877
110	49.55	2.167

020.30 Total Phosphate		
Lab	Alka. Quimociac	
111	50.95	0.000
Median	50.95	0.000

020.40 Total Phosphate		
Lab	Automated	
96	51.15	-1.675
Std Dev	51.07	-1.000
61	51.03	-0.574
14	50.97	0.000
Median	50.97	0.000
61	50.89	0.766
14	50.87	0.957

020.99 Total Phosphate		
Lab	Other	
124	50.35	0.000
Median	50.35	0.000

020.XX Total Phosphate		
Lab	Total Method	
242	52.62	-3.850
99	51.35	-1.196
Std Dev	51.25	-1.000
40	51.25	-0.987
253	51.22	-0.930
79	51.17	-0.820
96	51.15	-0.778
102	51.06	-0.601
61	51.03	-0.538
123	51.00	-0.475
24	50.98	-0.423
14	50.97	-0.413
111	50.95	-0.371
61	50.89	-0.246
14	50.87	-0.204
34	50.79	-0.037
Median	50.77	0.000
9	50.76	0.037

140	50.68	0.193
31	50.67	0.214
23	50.60	0.360
9	50.54	0.486
24	50.49	0.590
35	50.45	0.684
23	50.36	0.862
124	50.35	0.883
Std Dev	50.29	1.000
43	50.23	1.134
43	50.19	1.217
220	50.15	1.308
95	49.70	2.241
110	49.55	2.555
103	10.18	84.825

030.10 Insoluble Phosphate		
Lab	Gravimetric Quimociac	
79	0.05	0.000
Median	0.05	0.000

030.20 Insoluble Phosphate		
Lab	Spectrometric	
43	0.04	-1.340
Std Dev	0.04	-1.000
24	0.04	-0.865
24	0.04	-0.865
9	0.03	-0.432
23	0.03	0.000
23	0.03	0.000
Median	0.03	0.000
140	0.02	0.432
43	0.02	0.519
31	0.02	0.865
Std Dev	0.01	1.000
9	0.01	1.297
253	0.00	1.807

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.10	-2.680
Std Dev	0.05	-1.000
61	0.02	0.000
61	0.02	0.000

Median	0.02	0.000
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030.50 Insoluble Phosphate		
Lab	ICP	
14	0.12	-1.340
Std Dev	0.11	-1.000
Median	0.11	0.000
Std Dev	0.11	1.000
14	0.11	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
14	0.12	-5.883
14	0.11	-5.556
34	0.10	-4.902
79	0.05	-1.634
43	0.04	-1.013
Std Dev	0.04	-1.000
24	0.04	-0.654
24	0.04	-0.654
9	0.03	-0.327
23	0.03	0.000
23	0.03	0.000
Median	0.03	0.000
61	0.02	0.327
61	0.02	0.327
140	0.02	0.327
43	0.02	0.392
31	0.02	0.654
9	0.01	0.980
Std Dev	0.01	1.000
253	0.00	1.366

040.10 Indirect Available Phosphate		
Lab	Gravimetric Quimociac	
79	51.12	0.000
Median	51.12	0.000

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
24	50.94	-1.505
123	50.94	-1.505
Std Dev	50.82	-1.000
140	50.66	-0.350

31	50.65	-0.309
23	50.58	0.000
Median	50.58	0.000
24	50.46	0.495
23	50.34	0.990
Std Dev	50.33	1.000
43	50.19	1.587
43	50.17	1.670

040.40 Indirect Available Phosphate		
Lab	Automated	
61	51.01	-2.151
Std Dev	50.92	-1.000
61	50.87	-0.298
Median	50.85	0.000
14	50.83	0.298
Std Dev	50.77	1.000
14	50.74	1.423

040.99 Indirect Available Phosphate		
Lab	Other	
65	51.01	-2.588
65	50.84	-1.017
Std Dev	50.83	-1.000
9	50.73	0.000
Median	50.73	0.000
34	50.69	0.323
Std Dev	50.62	1.000
9	50.53	1.802

040.XX Indirect Available Phosphate		
Lab	Total Method	
79	51.12	-1.483
61	51.01	-1.083
65	51.01	-1.064
Std Dev	50.99	-1.000
24	50.94	-0.817
123	50.94	-0.817
61	50.87	-0.551
65	50.84	-0.418
14	50.83	-0.380
14	50.74	-0.057
9	50.73	0.000
Median	50.73	0.000

34	50.69	0.133
140	50.66	0.247
31	50.65	0.285
23	50.58	0.570
9	50.53	0.741
Std Dev	50.46	1.000
24	50.46	1.026
23	50.34	1.483
43	50.19	2.034
43	50.17	2.110

041.10 Direct Available Phosphate		
Lab	Gravimetric	Quimociac
47	51.20	-1.321
Std Dev	51.10	-1.000
39	51.05	-0.839
49	50.94	-0.513
107	50.93	-0.482
Median	50.78	0.000
87	50.62	0.482
119	50.54	0.730
104	50.52	0.792
220	50.50	0.854

041.40 Direct Available Phosphate		
Lab	Automated	
42	52.34	-1.831
Std Dev	51.54	-1.000
39	50.95	-0.386
Median	50.57	0.000
49	50.20	0.386
Std Dev	49.61	1.000
38	49.40	1.214

041.50 Direct Available Phosphate		
Lab	ICP	
63	51.24	-1.426
63	51.05	-1.148
Std Dev	50.94	-1.000
66	50.24	0.000
Median	50.24	0.000
87	50.11	0.192
Std Dev	49.54	1.000
80	49.46	1.112

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
29	50.96	-1.484
Std Dev	50.91	-1.000
64	50.81	0.000
Median	50.81	0.000
Std Dev	50.70	1.000
77	50.68	1.196

041.XX Direct Available Phosphate		
Lab	Total Method	
42	52.34	-3.919
63	51.24	-1.220
47	51.20	-1.122
Std Dev	51.15	-1.000
39	51.05	-0.742
63	51.05	-0.742
29	50.96	-0.534
39	50.95	-0.497
49	50.94	-0.484
107	50.93	-0.460
64	50.81	-0.153
Median	50.74	0.000
77	50.68	0.153
87	50.62	0.301
119	50.54	0.497
104	50.52	0.546
220	50.50	0.595
Std Dev	50.33	1.000
66	50.24	1.233
49	50.20	1.331
87	50.11	1.564
80	49.46	3.146
38	49.40	3.293

048.10 Water Soluble Phosphate		
Lab	Gravimetric	Quimociac
79	46.64	0.000
Median	46.64	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
123	48.38	-3.181

253	47.55	-1.391
220	47.39	-1.040
Std Dev	47.37	-1.000
24	47.22	-0.654
140	46.98	-0.142
31	46.93	-0.033
43	46.92	0.000
Median	46.92	0.000
43	46.85	0.153
23	46.84	0.174
9	46.60	0.686
24	46.56	0.773
9	46.56	0.784
Std Dev	46.46	1.000
23	46.42	1.089

048.99 Water Soluble Phosphate		
Lab	Other	
61	46.70	-0.951
34	46.63	-0.648
14	46.48	0.000
Median	46.48	0.000
14	46.32	0.692
Std Dev	46.25	1.000
111	45.64	3.653

048.XX Water Soluble Phosphate		
Lab	Total Method	
123	48.38	-5.647
253	47.55	-2.877
220	47.39	-2.334
24	47.22	-1.736
Std Dev	47.00	-1.000
140	46.98	-0.944
31	46.93	-0.775
43	46.92	-0.725
43	46.85	-0.489
23	46.84	-0.455
61	46.70	0.000
Median	46.70	0.000
79	46.64	0.202
34	46.63	0.236
9	46.60	0.337
24	46.56	0.472

9	46.56	0.489
14	46.48	0.742
23	46.42	0.961
Std Dev	46.40	1.000
14	46.32	1.281
111	45.64	3.590

050.00 Soluble Potash		
Lab	STPB Oxalate	
87	0.08	0.000
Median	0.08	0.000

050.30 Soluble Potash		
Lab	Atomic Absorption(Oxalate)	
95	0.28	0.000
Median	0.28	0.000

050.51 %K ₂ O Soluble Potash		
Lab	ICP(Citrate)	
87	0.15	0.000
Median	0.15	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
24	0.31	-17.550
23	0.21	-1.595
Std Dev	0.21	-1.000
102	0.21	-0.846
23	0.21	-0.798
61	0.20	0.000
61	0.20	0.000
Median	0.20	0.000
43	0.20	0.494
43	0.20	0.523
Std Dev	0.19	1.000
24	0.17	5.584

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
24	0.31	0.000
95	0.28	0.000
Std Dev	0.00	-1.000
23	0.21	0.000
102	0.21	0.000

23	0.21	0.000
61	0.20	0.000
61	0.20	0.000
Std Dev	0.00	1.000
Median	0.00	0.000
43	0.20	0.000
43	0.20	0.000
24	0.17	0.000
87	0.15	0.000
87	0.08	0.000

060.00		Free Water
Lab		Vacuum Oven
24	0.98	-2.860
24	0.95	-2.500
253	0.87	-1.690
Std Dev	0.80	-1.000
140	0.80	-0.953
23	0.77	-0.696
9	0.74	-0.335
23	0.74	-0.335
9	0.71	-0.026
Median	0.70	0.000
34	0.70	0.026
31	0.66	0.438
220	0.66	0.438
43	0.66	0.490
43	0.62	0.850
Std Dev	0.61	1.000
111	0.60	1.108
14	0.57	1.417
14	0.55	1.572

060.10		Free Water
Lab		Vacuum Desiccate
123	0.79	-4.519
Std Dev	0.62	-1.000
61	0.58	-0.105
Median	0.58	0.000
61	0.57	0.105
79	0.57	0.210

060.99		Free Water
Lab		Other
61	1.75	0.534
61	1.75	0.534
39	1.75	0.610
43	1.73	0.835
87	1.73	0.911
43	1.72	0.936
Std Dev	1.72	1.000
253	1.67	1.687

124	1.31	0.000
Median	1.31	0.000

060.XX		Free Water
Lab		Total Method
124	1.31	-4.192
24	0.98	-1.924
24	0.95	-1.684
253	0.87	-1.144
Std Dev	0.85	-1.000
140	0.80	-0.653
123	0.79	-0.618
23	0.77	-0.481
9	0.74	-0.241
23	0.74	-0.241
9	0.71	-0.034
34	0.70	0.000
Median	0.70	0.000
31	0.66	0.275
220	0.66	0.275
43	0.66	0.309
43	0.62	0.550
111	0.60	0.722
61	0.58	0.825
61	0.57	0.893
14	0.57	0.928
79	0.57	0.928
Std Dev	0.55	1.000
14	0.55	1.031

101.30		Acid Soluble Calcium
Lab	%CaO	ICP
24	2.02	-3.506
24	1.91	-1.906
124	1.91	-1.906
Std Dev	1.85	-1.000
23	1.84	-0.838
102	1.83	-0.730
23	1.83	-0.610
34	1.82	-0.534
14	1.80	-0.229
14	1.79	0.000
Median	1.79	0.000
61	1.78	0.076
31	1.75	0.534
61	1.75	0.534
39	1.75	0.610
43	1.73	0.835
87	1.73	0.911
43	1.72	0.936
Std Dev	1.72	1.000
253	1.67	1.687

101.XX		Acid Soluble Calcium
Lab	%CaO	Total Method
24	2.02	-3.506
24	1.91	-1.906
124	1.91	-1.906
Std Dev	1.85	-1.000
23	1.84	-0.838
102	1.83	-0.730
23	1.83	-0.610
34	1.82	-0.534
14	1.80	-0.229
14	1.79	0.000
Median	1.79	0.000
61	1.78	0.076
31	1.75	0.534
61	1.75	0.534
39	1.75	0.610
43	1.73	0.835
87	1.73	0.911
43	1.72	0.936
Std Dev	1.72	1.000
253	1.67	1.687

121.XX		Acid Soluble Magnesium
Lab	%MgO	Total Method
24	1.47	-2.144
124	1.45	-1.837
24	1.42	-1.378
102	1.42	-1.343
Std Dev	1.40	-1.000
23	1.39	-0.919
23	1.39	-0.919
34	1.36	-0.459
14	1.34	-0.153
39	1.33	0.000
Median	1.33	0.000
14	1.32	0.153
61	1.32	0.153
61	1.32	0.153
87	1.30	0.421
31	1.29	0.689
Std Dev	1.26	1.000
43	1.14	2.986
43	1.13	3.062
253	1.05	4.355

121.30		Acid Soluble Magnesium
Lab	%MgO	ICP
24	1.47	-2.144
124	1.45	-1.837
24	1.42	-1.378
102	1.42	-1.343
Std Dev	1.40	-1.000
23	1.39	-0.919
23	1.39	-0.919
34	1.36	-0.459
14	1.34	-0.153
39	1.33	0.000

Median	1.33	0.000
14	1.32	0.153
61	1.32	0.153
61	1.32	0.153
87	1.30	0.421
31	1.29	0.689
Std Dev	1.26	1.000
43	1.14	2.986
43	1.13	3.062
253	1.05	4.355

121.XX		Acid Soluble Magnesium
Lab	%MgO	Total Method
24	1.47	-2.144
124	1.45	-1.837
24	1.42	-1.378
102	1.42	-1.343
Std Dev	1.40	-1.000
23	1.39	-0.919
23	1.39	-0.919
34	1.36	-0.459
14	1.34	-0.153
39	1.33	0.000
Median	1.33	0.000
14	1.32	0.153
61	1.32	0.153
61	1.32	0.153
87	1.30	0.421
31	1.29	0.689
Std Dev	1.26	1.000
43	1.14	2.986
43	1.13	3.062
253	1.05	4.355

144..01		Sulfate Sulfur (S)
Lab		Gravimetric
61	1.98	0.000
Median	1.98	0.000

144.02		Sulfate Sulfur (S)
Lab		Gravimetric
111	2.19	0.000
Median	2.19	0.000

144.99 Sulfate Sulfur (S)		
Lab	Other	
124	6.57	-1.555
43	6.54	-1.544
43	6.52	-1.539
24	5.90	-1.332
24	5.82	-1.306
Std Dev	4.90	-1.000
220	2.01	-0.037
34	1.92	-0.009
14	1.90	-0.001
Median	1.89	0.000
14	1.89	0.001
23	1.86	0.012
23	1.84	0.017
87	1.81	0.027
9	1.80	0.031
9	1.80	0.031
102	1.75	0.048
31	1.74	0.051

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
124	6.57	-2.021
43	6.54	-2.006
43	6.52	-1.999
24	5.90	-1.730
24	5.82	-1.696
Std Dev	4.21	-1.000
111	2.19	-0.120
220	2.01	-0.042
61	1.98	-0.031
34	1.92	-0.005
Median	1.91	0.000
14	1.90	0.005
14	1.89	0.008
23	1.86	0.023
23	1.84	0.029
87	1.81	0.041
9	1.80	0.047
9	1.80	0.047
102	1.75	0.070
31	1.74	0.073

151.30 Total Arsenic		
Lab	ICP	
102	22.20	-1.437
Std Dev	19.74	-1.000
23	19.15	-0.896
23	19.00	-0.870
24	14.35	-0.044
9	14.10	0.000
Median	14.10	0.000
9	14.05	0.009
253	11.45	0.470
64	11.12	0.529
Std Dev	8.46	1.000
124	4.42	1.718

151.99 Total Arsenic		
Lab	Other	
61	13.30	-0.268
61	13.10	0.000
Median	13.10	0.000
Std Dev	12.35	1.000
87	11.30	2.412

151.XX Total Arsenic		
Lab	Total Method	
102	22.20	-2.786
23	19.15	-1.789
23	19.00	-1.740
Std Dev	16.74	-1.000
24	14.35	-0.221
9	14.10	-0.139
9	14.05	-0.123
Median	13.68	0.000
61	13.30	0.123
61	13.10	0.188
253	11.45	0.727
87	11.30	0.776
64	11.12	0.835
Std Dev	10.61	1.000
124	4.42	3.024

165.99 Acid Soluble Boron		
Lab	PPM	Other
87	754.80	-1.051

Std Dev 732.90 -1.000		
Lab	PPM	
124	569.00	-0.615
Median	306.75	0.000
102	44.50	0.615
24	44.15	0.616

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
87	754.80	-1.051
Std Dev	732.90	-1.000
124	569.00	-0.615
Median	306.75	0.000
102	44.50	0.615
24	44.15	0.616

181.00 Total Cadmium		
Lab	Atomic Absorption	
220	4.00	0.000
Median	4.00	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
61	5.00	-2.884
124	4.64	-1.662
9	4.50	-1.187
Std Dev	4.44	-1.000
64	4.40	-0.831
43	4.25	-0.339
9	4.15	0.000
43	4.15	0.000
Median	4.15	0.000
87	4.06	0.305
23	4.05	0.339
61	4.00	0.509
23	3.95	0.678
Std Dev	3.86	1.000
253	3.80	1.189
102	3.50	2.205

181.99 Total Cadmium		
Lab	Other	
24	4.80	0.000
Median	4.80	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
61	5.00	-2.545
24	4.80	-1.946
124	4.64	-1.467
9	4.50	-1.048
Std Dev	4.48	-1.000
64	4.40	-0.734
43	4.25	-0.299
9	4.15	0.000
43	4.15	0.000
Median	4.15	0.000
87	4.06	0.269
23	4.05	0.299
61	4.00	0.449
220	4.00	0.449
23	3.95	0.599
Std Dev	3.82	1.000
253	3.80	1.050
102	3.50	1.946

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
14	2.40	-1.014
Std Dev	2.40	-1.000
14	2.40	-0.981
34	2.38	-0.883
124	2.33	-0.556
87	2.30	-0.390
24	2.29	-0.294
61	2.25	-0.033
23	2.25	0.000
Median	2.25	0.000
23	2.23	0.098
61	2.23	0.098
24	2.15	0.654
Std Dev	2.09	1.000
43	2.08	1.079
43	2.07	1.145
253	1.93	2.062
102	1.84	2.639

190.99 Aluminum		
Lab	%Al ₂ O ₃	Atomic Absorption

220	2.61	-1.340
Std Dev	2.57	-1.000
Median	2.44	0.000
Std Dev	2.31	1.000
31	2.27	1.340

190.XX		Aluminum
Lab	%Al ₂ O ₃	Total Method
220	2.61	-2.608
14	2.40	-1.086
14	2.40	-1.050
Std Dev	2.39	-1.000
34	2.38	-0.942
124	2.33	-0.579
87	2.30	-0.396
24	2.29	-0.290
31	2.27	-0.145
61	2.25	0.000
Median	2.25	0.000
23	2.25	0.036
23	2.23	0.145
61	2.23	0.145
24	2.15	0.761
Std Dev	2.11	1.000
43	2.08	1.231
43	2.07	1.304
253	1.93	2.320
102	1.84	2.958

191.30		Total Chromium
Lab	PPM	ICP
124	151.50	-14.031
Std Dev	91.09	-1.000
64	88.49	-0.440
87	87.35	-0.194
31	87.00	-0.119
61	87.00	-0.119
9	86.90	-0.097
Median	86.45	0.000
61	86.00	0.097
9	83.90	0.550
Std Dev	81.81	1.000
43	81.00	1.176
43	80.50	1.283

102	77.75	1.877
253	72.93	2.917

191.99		Total Chromium
Lab	PPM	Other
24	85.90	0.000
Median	85.90	0.000

191.XX		Total Chromium
Lab	PPM	Total Method
124	151.50	-14.628
Std Dev	90.48	-1.000
64	88.49	-0.556
87	87.35	-0.301
31	87.00	-0.223
61	87.00	-0.223
9	86.90	-0.201
61	86.00	0.000
Median	86.00	0.000
24	85.90	0.022
9	83.90	0.469
Std Dev	81.52	1.000
43	81.00	1.117
43	80.50	1.228
102	77.75	1.843
253	72.93	2.920

202.30		Acid Soluble Cobalt
Lab	PPM	ICP
124	3.89	-2.682
64	3.44	-1.326
Std Dev	3.33	-1.000
253	3.24	-0.722
87	3.05	-0.151
9	3.00	0.000
9	3.00	0.000
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
Std Dev	2.67	1.000
102	2.40	1.808
43	2.00	3.013
43	2.00	3.013

202.99		Acid Soluble Cobalt
Lab	PPM	Other
24	2.76	0.000
Median	2.76	0.000

202.XX		Acid Soluble Cobalt
Lab	PPM	Total Method
124	3.89	-2.791
64	3.44	-1.380
Std Dev	3.32	-1.000
253	3.24	-0.751
87	3.05	-0.157
9	3.00	0.000
9	3.00	0.000
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
24	2.76	0.753
Std Dev	2.68	1.000
102	2.40	1.881
43	2.00	3.135
43	2.00	3.135

221.30		Acid Soluble Copper
Lab	PPM	ICP
43	<1	0.000
43	<1	0.000
102	<1	0.000
87	<0.9	0.000
9	7.05	-1.359
9	6.95	-1.329
Std Dev	5.85	-1.000
253	2.54	-0.009
Median	2.51	0.000
124	2.48	0.009
61	1.00	0.452
61	1.00	0.452

221.99		Acid Soluble Copper
Lab	PPM	Other
24	0.27	0.000
Median	0.27	0.000

221.XX		Acid Soluble Copper
Lab	PPM	Total Method
43	<1	0.000
43	<1	0.000
102	<1	0.000
87	<0.9	0.000
9	7.05	-1.635
9	6.95	-1.600
Std Dev	5.27	-1.000
253	2.54	-0.021
124	2.48	0.000
Median	2.48	0.000
61	1.00	0.530
61	1.00	0.530
24	0.27	0.791

241.00		Acid Soluble Iron
Lab	%Fe ₂ O ₃	Atomic Absorption
220	1.54	0.000
Median	1.54	0.000

241.30		Acid Soluble Iron
Lab	%Fe ₂ O ₃	ICP
24	1.64	-2.092
24	1.61	-1.634
14	1.57	-1.111
39	1.56	-1.046
Std Dev	1.56	-1.000
14	1.55	-0.915
34	1.55	-0.915
87	1.51	-0.380
23	1.48	0.000
23	1.48	0.000
31	1.48	0.000
Median	1.48	0.000
253	1.46	0.249
61	1.45	0.392
61	1.45	0.392
43	1.45	0.458
43	1.44	0.523
Std Dev	1.40	1.000
102	1.40	1.021

241.99		
Lab	%Fe ₂ O ₃	Acid Soluble Iron Other
124	1.55	0.000
Median	1.55	0.000

241.XX		
Lab	%Fe ₂ O ₃	Acid Soluble Iron Total Method
24	1.64	-2.004
24	1.61	-1.522
Std Dev	1.57	-1.000
14	1.57	-0.971
39	1.56	-0.902
14	1.55	-0.764
34	1.55	-0.764
124	1.55	-0.764
220	1.54	-0.557
87	1.51	-0.200
Median	1.49	0.000
23	1.48	0.200
23	1.48	0.200
31	1.48	0.200
253	1.46	0.463
61	1.45	0.614
61	1.45	0.614
43	1.45	0.682
43	1.44	0.751
Std Dev	1.42	1.000
102	1.40	1.276

251.30		
Lab	PPM	Total Lead ICP
102	<5	0.000
124	20.59	-7.858
Std Dev	8.47	-1.000
64	8.39	-0.953
23	7.55	-0.481
253	7.48	-0.438
23	7.40	-0.396
Median	6.70	0.000
61	6.00	0.396
87	5.65	0.594
43	5.00	0.962
43	5.00	0.962
61	5.00	0.962

251.99		
Lab	PPM	Total Lead Other
24	6.75	0.000
Median	6.75	0.000

251.XX		
Lab	PPM	Total Lead Total Method
102	<5	0.000
124	20.59	-8.481
Std Dev	8.38	-1.000
64	8.39	-1.005
23	7.55	-0.493
253	7.48	-0.447
23	7.40	-0.401
24	6.75	0.000
Median	6.75	0.000
61	6.00	0.456
87	5.65	0.671
Std Dev	5.11	1.000
43	5.00	1.069
43	5.00	1.069
61	5.00	1.069

261.30		
Lab	PPM	Acid Soluble Manganese ICP
9	352.00	-0.933
9	351.00	-0.880
39	351.00	-0.880
124	351.00	-0.880
87	335.90	-0.077
Median	334.45	0.000
61	333.00	0.077
61	332.00	0.130
253	323.72	0.570
31	323.00	0.609
102	321.00	0.715

261.99		
Lab	PPM	Acid Soluble Manganese Other
24	354.00	-2.501
Std Dev	341.40	-1.000
43	333.00	0.000
Median	333.00	0.000

43 331.50 0.179

261.XX		
Lab	PPM	Acid Soluble Manganese Total Method
24	354.00	-1.443
9	352.00	-1.306
9	351.00	-1.237
39	351.00	-1.237
124	351.00	-1.237
Std Dev	347.55	-1.000
87	335.90	-0.199
43	333.00	0.000
61	333.00	0.000
Median	333.00	0.000
61	332.00	0.069
43	331.50	0.103
253	323.72	0.638
31	323.00	0.687
102	321.00	0.825

281.00		
Lab	PPM	Total Mercury Atomic Absorbtion
87	<0.005	0.000
Median	0.00	0.000

281.30		
Lab	PPM	Total Mercury ICP
124	<0.10	0.000
24	<0.07	0.000
Median	0.00	0.000

281.99		
Lab	PPM	Total Mercury Other
102	<0.4	0.000
Median	0.00	0.000

281.XX		
Lab	PPM	Total Mercury Total Method
102	<0.4	0.000
124	<0.10	0.000
24	<0.07	0.000
87	<0.005	0.000
Median	0.00	0.000

289.30		
Lab	PPM	Total Molybdenum ICP
102	16.25	-1.041
Std Dev	16.18	-1.000
61	16.00	-0.892
61	16.00	-0.892
9	15.80	-0.773
9	15.75	-0.744
87	14.50	0.000
Median	14.50	0.000
253	14.12	0.228
64	14.10	0.241
43	13.20	0.773
43	12.95	0.922
Std Dev	12.82	1.000
124	6.89	4.527

289.99		
Lab	PPM	Total Molybdenum Other
24	18.00	0.000
Median	18.00	0.000

289.XX		
Lab	PPM	Total Molybdenum Total Method
24	18.00	-1.810
Std Dev	16.71	-1.000
102	16.25	-0.708
61	16.00	-0.551
61	16.00	-0.551
9	15.80	-0.425
9	15.75	-0.393
Median	15.13	0.000
87	14.50	0.393
253	14.12	0.634
64	14.10	0.648
Std Dev	13.54	1.000
43	13.20	1.212
43	12.95	1.369
124	6.89	5.184

291.30		
Lab	PPM	Total Nickel ICP
64	14.31	-1.299
Std Dev	14.02	-1.000

102	14.00	-0.979
9	13.85	-0.825
9	13.75	-0.722
253	13.26	-0.211
87	13.05	0.000
Median	13.05	0.000
61	13.00	0.052
61	13.00	0.052
Std Dev	12.08	1.000
43	12.00	1.082
43	12.00	1.082
124	8.55	4.638

291.99	Total Nickel	
Lab	PPM	Other
24	16.55	0.000
Median	16.55	0.000

291.XX	Total Nickel	
Lab	PPM	Total Method
24	16.55	-4.002
64	14.31	-1.364
Std Dev	14.00	-1.000
102	14.00	-0.998
9	13.85	-0.822
9	13.75	-0.704
253	13.26	-0.121
Median	13.15	0.000
87	13.05	0.121
61	13.00	0.180
61	13.00	0.180
Std Dev	12.30	1.000
43	12.00	1.358
43	12.00	1.358
124	8.55	5.422

301.30	Total Selenium	
Lab	PPM	ICP
64	<MDL	0.000
102	<5	0.000
87	<4.6	0.000
253	14.25	-24.718
124	1.24	-1.159
Std Dev	1.15	-1.000

9	0.60	0.000
Median	0.60	0.000
9	0.50	0.181
24	0.37	0.426

301.XX	Total Selenium	
Lab	PPM	Total Mthod
64	<MDL	0.000
102	<5	0.000
87	<4.6	0.000
253	14.25	-24.718
124	1.24	-1.159
Std Dev	1.15	-1.000

9	0.60	0.000
Median	0.60	0.000
9	0.50	0.181
24	0.37	0.426

311.00	Sodium	
Lab	%Na ₂ O	Atomic Absorbtion
61	0.51	0.000
61	0.51	0.000
Median	0.51	0.000

311.99	Sodium	
Lab	%Na ₂ O	Other
102	7.85	-116.288
24	0.59	-1.813
24	0.55	-1.182
Std Dev	0.54	-1.000
87	0.53	-0.890
23	0.48	0.000
Median	0.48	0.000
43	0.47	0.156
23	0.47	0.158
43	0.46	0.207
Std Dev	0.41	1.000
124	0.33	2.286

311.XX	Sodium	
Lab	%Na ₂ O	Total Method
102	7.85	-130.023
24	0.59	-1.417
Std Dev	0.57	-1.000

24	0.55	-0.708
87	0.53	-0.380
61	0.51	0.000
61	0.51	0.000
Median	0.51	0.000
23	0.48	0.620
43	0.47	0.795
23	0.47	0.797
43	0.46	0.852
Std Dev	0.45	1.000
124	0.33	3.188

321.30	Acid Soluble Zinc	
Lab	PPM	ICP
253	62.21	-1.733
24	62.00	-1.684
9	59.65	-1.127
Std Dev	59.12	-1.000
9	59.00	-0.972
87	54.90	0.000
Median	54.90	0.000
61	54.00	0.213
61	54.00	0.213
102	52.40	0.593
Std Dev	50.68	1.000
124	46.00	2.111

321.99	Acid Soluble Zinc	
Lab	Other	
43	54.50	-1.340
Std Dev	54.44	-1.000
Median	54.25	0.000
Std Dev	54.06	1.000
43	54.00	1.340

321.XX	Acid Soluble Zinc	
Lab	PPM	Total Method
253	62.21	-1.939
24	62.00	-1.887
9	59.65	-1.296
9	59.00	-1.132
Std Dev	58.47	-1.000
87	54.90	-0.101
43	54.50	0.000

Median	54.50	0.000
43	54.00	0.126
61	54.00	0.126
61	54.00	0.126
102	52.40	0.528
Std Dev	50.53	1.000
124	46.00	2.139

325.10	Fluoride	
Lab	%	Electrode
220	3.24	-0.804
23	3.09	-0.357
23	3.06	-0.268
43	3.04	-0.208
24	3.02	-0.164
24	2.98	-0.030
Median	2.97	0.000
31	2.96	0.030
43	2.94	0.074
111	2.66	0.923
Std Dev	2.63	1.000
14	2.40	1.697
14	2.38	1.742
102	1.37	4.750

325.99	Fluoride	
Lab	%	Other
124	3.35	-2.489
Std Dev	3.19	-1.000
61	3.09	0.000
Median	3.09	0.000
9	3.07	0.191

325.XX	Fluoride	
Lab	%	Total Method
124	3.35	-1.579
220	3.24	-1.029
Std Dev	3.23	-1.000
61	3.09	-0.335
23	3.09	-0.311
9	3.07	-0.239
23	3.06	-0.168
43	3.04	-0.072
24	3.02	0.000

Median	3.02	0.000
24	2.98	0.215
31	2.96	0.311
43	2.94	0.383
Std Dev	2.81	1.000
111	2.66	1.747
14	2.40	2.991
14	2.38	3.063
102	1.37	7.896