

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	10.04	-0.827
79	9.98	-0.200
Median	9.96	0.000
123	9.95	0.200
Std Dev	9.87	1.000
49	9.67	3.336

001.99 Ammoniacal Nitrogen		
Lab	Other	
34	10.03	-0.556
61	10.03	-0.455
28	10.01	-0.152
23	10.01	-0.051
23	10.01	-0.051
Median	10.00	0.000
28	10.00	0.051
61	9.97	0.758
Std Dev	9.95	1.000
24	9.94	1.365
24	9.92	1.669
38	9.13	17.749

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
31	10.04	-0.846
34	10.03	-0.752
61	10.03	-0.658
28	10.01	-0.376
23	10.01	-0.282
23	10.01	-0.282
28	10.00	-0.188
Median	9.99	0.000
79	9.98	0.188
61	9.97	0.470
123	9.95	0.846
Std Dev	9.94	1.000
24	9.94	1.034
24	9.92	1.316
49	9.67	6.018
38	9.13	16.268

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
43	10.04	0.000
43	10.04	0.000
Median	10.04	0.000
Std Dev	9.94	1.000
49	9.78	2.680

010.60 Total Nitrogen		
Lab	Combustion	
77	10.14	-1.827
65	10.11	-1.462
102	10.11	-1.462
Std Dev	10.07	-1.000
49	10.05	-0.731
44	10.04	-0.609
63	10.03	-0.487
39	10.02	-0.365
14	10.01	-0.305
9	10.01	-0.244
14	10.01	-0.244
31	10.01	-0.244
99	10.00	-0.183
64	10.00	-0.122
95	9.99	-0.061
9	9.99	0.000
Median	9.99	0.000
237	9.98	0.061
63	9.98	0.122
110	9.95	0.426
110	9.95	0.426
123	9.95	0.426
111	9.93	0.731
Std Dev	9.90	1.000
96	9.90	1.035
24	9.88	1.340
47	9.84	1.827
24	9.83	1.888
80	9.78	2.497
103	9.77	2.680
38	9.72	3.228
270	9.65	4.081

010.99 Total Nitrogen		
Lab	Other	
113	10.06	-1.340
Std Dev	10.04	-1.000
Median	10.00	0.000
Std Dev	9.95	1.000
40	9.94	1.340

010.XX Total Nitrogen		
Lab	Total Method	
77	10.14	-1.700
65	10.11	-1.354
102	10.11	-1.354
Std Dev	10.07	-1.000
113	10.06	-0.836
49	10.05	-0.663
43	10.04	-0.548
43	10.04	-0.548
44	10.04	-0.548
63	10.03	-0.432
39	10.02	-0.317
14	10.01	-0.259
9	10.01	-0.202
14	10.01	-0.202
31	10.01	-0.202
99	10.00	-0.144
64	10.00	-0.086
95	9.99	-0.029
Median	9.99	0.000
9	9.99	0.029
237	9.98	0.086
63	9.98	0.144
110	9.95	0.432
110	9.95	0.432
123	9.95	0.432
40	9.94	0.605
111	9.93	0.720
Std Dev	9.90	1.000
96	9.90	1.009
24	9.88	1.297
47	9.84	1.758
24	9.83	1.815
80	9.78	2.392
49	9.78	2.449

103	9.77	2.565
38	9.72	3.083
270	9.65	3.890

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
79	50.11	0.000
Median	50.11	0.000

020.20 Total Phosphate		
Lab	Spectrometric	
102	51.55	-9.596
9	50.14	-3.052
14	50.03	-2.544
14	49.99	-2.382
95	49.70	-1.041
Std Dev	49.69	-1.000
270	49.69	-0.994
220	49.54	-0.321
31	49.54	-0.301
23	49.52	-0.185
34	49.49	-0.069
43	49.48	0.000
113	49.48	0.000
Median	49.48	0.000
43	49.44	0.185
23	49.40	0.370
99	49.38	0.439
237	49.36	0.532
61	49.36	0.555
110	49.30	0.809
110	49.30	0.809
Std Dev	49.26	1.000
61	49.10	1.734
24	49.00	2.197
24	48.96	2.405
244	48.83	2.983

020.30 Total Phosphate		
Lab	Alka. Quimociac	
40	52.29	-1.340
Std Dev	51.97	-1.000
Median	51.02	0.000
Std Dev	50.07	1.000

111	49.75	1.340
020.40 Total Phosphate		
Lab	Automated	
96	52.20	-2.403
Std Dev	50.68	-1.000
28	49.60	0.000
Median	49.60	0.000
28	49.30	0.277
020.50 Total Phosphate		
Lab	ICP	
9	50.15	0.000
Median	50.15	0.000
020.99 Total Phosphate		
Lab	Other	
123	50.89	0.000
Median	50.89	0.000
020.XX Total Phosphate		
Lab	Total Method	
40	52.29	-5.721
96	52.20	-5.535
102	51.55	-4.195
123	50.89	-2.824
9	50.15	-1.299
9	50.14	-1.278
79	50.11	-1.227
14	50.03	-1.051
Std Dev	50.00	-1.000
14	49.99	-0.979
111	49.75	-0.474
95	49.70	-0.381
270	49.69	-0.361
28	49.60	-0.175
220	49.54	-0.061
31	49.54	-0.052
23	49.52	0.000
Median	49.52	0.000
34	49.49	0.052
43	49.48	0.082
113	49.48	0.082
43	49.44	0.165

23	49.40	0.247
99	49.38	0.278
237	49.36	0.320
61	49.36	0.330
28	49.30	0.443
110	49.30	0.443
110	49.30	0.443
61	49.10	0.856
Std Dev	49.03	1.000
24	49.00	1.062
24	48.96	1.154
244	48.83	1.412
030.10 Insoluble Phosphate		
Lab	Gravimetric Quimociac	
79	0.27	0.000
Median	0.27	0.000
030.20 Insoluble Phosphate		
Lab	Spectrometric	
14	0.67	-2.398
14	0.66	-2.294
43	0.56	-1.267
123	0.55	-1.147
Std Dev	0.54	-1.000
43	0.49	-0.511
9	0.47	-0.261
23	0.44	0.000
61	0.44	0.000
Median	0.44	0.000
9	0.42	0.209
61	0.41	0.313
23	0.41	0.365
Std Dev	0.34	1.000
24	0.34	1.043
24	0.34	1.095
113	0.14	3.128
030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.57	0.000
Median	0.57	0.000

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.47	0.000
Median	0.47	0.000
030.99 Insoluble Phosphate		
Lab	Other	
28	0.50	-1.340
Std Dev	0.48	-1.000
Median	0.44	0.000
Std Dev	0.39	1.000
28	0.38	1.340
030.XX Insoluble Phosphate		
Lab	Total Method	
14	0.67	-2.283
14	0.66	-2.184
31	0.57	-1.241
43	0.56	-1.206
123	0.55	-1.092
Std Dev	0.54	-1.000
28	0.50	-0.596
43	0.49	-0.486
34	0.47	-0.298
9	0.47	-0.248
23	0.44	0.000
61	0.44	0.000
Median	0.44	0.000
9	0.42	0.199
61	0.41	0.298
23	0.41	0.347
28	0.38	0.645
24	0.34	0.993
Std Dev	0.34	1.000
24	0.34	1.042
79	0.27	1.737
113	0.14	2.978
040.10 Indirect Available Phosphate		
Lab	Gravimetric Quimociac	
79	49.85	0.000
Median	49.85	0.000

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
123	50.34	-4.264
9	49.70	-2.262
14	49.37	-1.206
14	49.34	-1.127
113	49.34	-1.127
Std Dev	49.30	-1.000
23	49.08	-0.292
23	48.99	-0.024
Median	48.98	0.000
31	48.98	0.024
43	48.95	0.118
43	48.92	0.213
61	48.92	0.213
61	48.69	0.922
Std Dev	48.67	1.000
24	48.66	1.017
24	48.62	1.143
040.50 Indirect Available Phosphate		
Lab	ICP	
9	49.70	0.000
Median	49.70	0.000
040.99 Indirect Available Phosphate		
Lab	Other	
38	51.77	-4.870
Std Dev	49.63	-1.000
28	49.10	-0.036
Median	49.08	0.000
34	49.06	0.036
28	48.93	0.272
040.XX Indirect Available Phosphate		
Lab	Total Method	
38	51.77	-6.935
123	50.34	-3.258
79	49.85	-1.999
9	49.70	-1.626
9	49.70	-1.613
Std Dev	49.46	-1.000
14	49.37	-0.765
14	49.34	-0.701

113	49.34	-0.701
28	49.10	-0.084
23	49.08	-0.019
Median	49.07	0.000
34	49.06	0.019
23	48.99	0.199
31	48.98	0.238
43	48.95	0.315
28	48.93	0.353
43	48.92	0.392
61	48.92	0.392
61	48.69	0.970
Std Dev	48.68	1.000
24	48.66	1.048
24	48.62	1.150

041.10 Direct Available Phosphate		
Lab	Gravimetric Quimociac	
65	49.68	-5.360
Std Dev	49.47	-1.000
47	49.45	-0.618
39	49.42	0.000
Median	49.42	0.000
44	49.39	0.722
Std Dev	49.37	1.000
49	49.14	5.875

041.20 Direct Available Phosphate		
Lab	Spectrometric	
47	49.14	-0.869
237	48.85	0.000
Median	48.85	0.000
Std Dev	48.51	1.000
220	48.23	1.811

041.40 Direct Available Phosphate		
Lab	Automated	
39	49.42	-0.586
49	49.29	0.000
Median	49.29	0.000
Std Dev	49.06	1.000
103	48.82	2.094

041.50 Direct Available Phosphate		
Lab	ICP	
80	49.45	-2.554
Std Dev	48.03	-1.000
63	47.12	0.000
Median	47.12	0.000
63	47.00	0.126

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
65	49.58	-1.340
Std Dev	49.52	-1.000
Median	49.36	0.000
Std Dev	49.19	1.000
77	49.13	1.340

041.XX Direct Available Phosphate		
Lab	Total Method	
65	49.68	-1.064
Std Dev	49.65	-1.000
65	49.58	-0.836
47	49.45	-0.541
80	49.45	-0.541
39	49.42	-0.472
39	49.42	-0.461
44	49.39	-0.393
49	49.29	-0.165
Median	49.21	0.000
47	49.14	0.165
49	49.14	0.176
77	49.13	0.188
237	48.85	0.836
103	48.82	0.893
Std Dev	48.77	1.000
220	48.23	2.236
63	47.12	4.774
63	47.00	5.036

041.20 Direct Available Phosphate		
Lab	Spectrometric	
47	49.14	-0.869
237	48.85	0.000
Median	48.85	0.000
Std Dev	48.51	1.000
220	48.23	1.811

048.10 Water Soluble Phosphate		
Lab	Gravimetric Quimociac	
79	46.02	0.000
Median	46.02	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
23	43.13	-1.606
23	43.07	-1.386
220	43.02	-1.221
Std Dev	42.96	-1.000
31	42.96	-0.982
24	42.89	-0.743
43	42.82	-0.486
61	42.70	-0.046
Median	42.69	0.000
43	42.68	0.046
24	42.64	0.174
113	42.60	0.321
61	42.57	0.450
Std Dev	42.42	1.000
244	42.18	1.863
14	42.10	2.175
14	42.04	2.377

048.30 Water Soluble Phosphate		
Lab	Alka. Quimociac	
111	42.66	0.000
Median	42.66	0.000

048.99 Water Soluble Phosphate		
Lab	Other	
123	45.12	-1.340
Std Dev	44.76	-1.000
Median	43.72	0.000
Std Dev	42.67	1.000
34	42.32	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
79	46.02	-10.369
123	45.12	-7.565
23	43.13	-1.363
23	43.07	-1.176
220	43.02	-1.036
Std Dev	43.01	-1.000
31	42.96	-0.834
24	42.89	-0.631
43	42.82	-0.413

61	42.70	-0.039
Median	42.69	0.000
43	42.68	0.039
111	42.66	0.086
24	42.64	0.148
113	42.60	0.273
61	42.57	0.382
Std Dev	42.37	1.000
34	42.32	1.145
244	42.18	1.582
14	42.10	1.846
14	42.04	2.018

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.35	-1.340
Std Dev	0.34	-1.000
Median	0.34	0.000
Std Dev	0.34	1.000
23	0.34	1.340

050.99 Soluble Potash		
Lab	%K ₂ O	Other
61	0.34	-2.424
102	0.34	-2.422
43	0.30	-1.340
43	0.29	-1.041
Std Dev	0.29	-1.000
24	0.26	0.000
24	0.26	0.000
28	0.26	0.000
Median	0.26	0.000
28	0.25	0.303
61	0.25	0.303

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
23	0.35	0.000
61	0.34	0.000
102	0.34	0.000
23	0.34	0.000
Std Dev	0.00	-1.000
43	0.30	0.000
43	0.29	0.000

Median	0.00	0.000
24	0.26	0.000
24	0.26	0.000
28	0.26	0.000
28	0.25	0.000
61	0.25	0.000

060.00		Free Water
Lab		Vacuum Oven
111	2.16	-6.764
28	1.35	-1.627
123	1.32	-1.436
24	1.30	-1.276
24	1.26	-1.053
Std Dev	1.25	-1.000
79	1.17	-0.447
9	1.12	-0.160
23	1.11	-0.096
220	1.11	-0.080
23	1.10	0.000
Median	1.10	0.000
34	1.09	0.032
9	1.07	0.191
43	1.06	0.223
113	1.01	0.574
43	1.00	0.606
Std Dev	0.94	1.000
31	0.94	1.021
14	0.88	1.372
14	0.87	1.468
28	0.16	5.998

060.10		Free Water
Lab		Vacuum Desiccate
237	1.27	-1.734
Std Dev	1.20	-1.000
61	1.10	0.000
Median	1.10	0.000
61	1.01	0.946

060.XX		Free Water
Lab		Total Method
111	2.16	-6.161
28	1.35	-1.471

123	1.32	-1.296
24	1.30	-1.151
Std Dev	1.27	-1.000
237	1.27	-0.976
24	1.26	-0.947
79	1.17	-0.393
9	1.12	-0.131
23	1.11	-0.073
220	1.11	-0.058
61	1.10	-0.015
Median	1.10	0.000
23	1.10	0.015
34	1.09	0.044
9	1.07	0.189
43	1.06	0.218
61	1.01	0.510
113	1.01	0.539
43	1.00	0.568
31	0.94	0.947
Std Dev	0.93	1.000
14	0.88	1.267
14	0.87	1.355
28	0.16	5.491

101.30		Acid Soluble Calcium	
Lab	%CaO		ICP
28	6.50		-39.882
28	6.30		-38.189
Std Dev	1.91		-1.000
102	1.85		-0.510
14	1.85		-0.466
14	1.84		-0.423
9	1.84		-0.381
9	1.82		-0.254
34	1.82		-0.254
23	1.82		-0.212
23	1.79		0.000
237	1.79		0.000
Median	1.79		0.000
270	1.74		0.423
61	1.73		0.550
43	1.68		0.938
43	1.68		0.938
31	1.67		1.058
24	1.65		1.228
24	1.63		1.397
61	1.56		1.990
Std Dev	1.67		1.000

31	1.67	1.058
24	1.65	1.228
24	1.63	1.397
61	1.56	1.990

101.XX		Acid Soluble Calcium	
Lab	%CaO		Total Method
28	6.50		-39.882
28	6.30		-38.189
Std Dev	1.91		-1.000
102	1.85		-0.510
14	1.85		-0.466
14	1.84		-0.423
9	1.84		-0.381
9	1.82		-0.254
34	1.82		-0.254
23	1.82		-0.212
23	1.79		0.000
237	1.79		0.000
Median	1.79		0.000
270	1.74		0.423
61	1.73		0.550
43	1.68		0.938
43	1.68		0.938
Std Dev	1.67		1.000
31	1.67		1.058
24	1.65		1.228
24	1.63		1.397
61	1.56		1.990

121.30		Acid Soluble Magnesium	
Lab	%MgO		ICP
102	1.59		-0.825
23	1.59		-0.731
14	1.57		-0.487
23	1.56		-0.426
24	1.55		-0.244
14	1.54		-0.183
34	1.53		-0.061
9	1.53		0.000
9	1.53		0.000
237	1.53		0.000
Median	1.53		0.000
28	1.50		0.305

28	1.50	0.305
24	1.49	0.487
Std Dev	1.44	1.000
61	1.44	1.035
61	1.43	1.218
270	1.41	1.401
31	1.38	1.827
43	0.86	8.101
43	0.64	10.781

121.XX		Acid Soluble Magnesium	
Lab	%MgO		Total Method
102	1.59		-0.825
23	1.59		-0.731
14	1.57		-0.487
23	1.56		-0.426
24	1.55		-0.244
14	1.54		-0.183
34	1.53		-0.061
9	1.53		0.000
9	1.53		0.000
237	1.53		0.000
Median	1.53		0.000
28	1.50		0.305
28	1.50		0.305
24	1.49		0.487
Std Dev	1.44		1.000
61	1.44		1.035
61	1.43		1.218
270	1.41		1.401
31	1.38		1.827
43	0.86		8.101
43	0.64		10.781

144..01		Sulfate Sulfur (S)	
Lab			Gravimetric
220	1.98		-1.526
Std Dev	1.94		-1.000
61	1.90		-0.409
Median	1.87		0.000
61	1.85		0.409
Std Dev	1.81		1.000
244	1.78		1.377

144.70 Sulfur		
Lab	Spectrometric	
14	1.83	-1.340
Std Dev	1.83	-1.000
Median	1.83	0.000
Std Dev	1.83	1.000
14	1.83	1.340

144.99 Sulfate Sulfur (S)		
Lab	Other	
34	1.85	-1.031
Std Dev	1.85	-1.000
23	1.84	-0.928
23	1.84	-0.876
24	1.79	-0.361
24	1.78	-0.309
9	1.75	0.000
9	1.75	0.000
Median	1.75	0.000
270	1.71	0.412
Std Dev	1.65	1.000
28	1.65	1.031
28	1.57	1.855
31	1.56	2.010

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
220	1.98	-2.829
61	1.90	-1.712
Std Dev	1.85	-1.000
34	1.85	-0.968
61	1.85	-0.893
23	1.84	-0.819
23	1.84	-0.744
14	1.83	-0.670
14	1.83	-0.596
24	1.79	0.000
Median	1.79	0.000
24	1.78	0.074
244	1.78	0.074
9	1.75	0.521
9	1.75	0.521
Std Dev	1.72	1.000
270	1.71	1.117

28	1.65	2.010
28	1.57	3.201
31	1.56	3.424

145.99 Total Sulfur (S)		
Lab	Other	
43	2.05	-0.636
43	2.02	-0.547
111	2.01	-0.511
Median	1.87	0.000
102	1.72	0.511
63	1.62	0.899
63	1.61	0.935

145.XX Total Sulfur (S)		
Lab	Total Method	
43	2.05	-0.636
43	2.02	-0.547
111	2.01	-0.511
Median	1.87	0.000
102	1.72	0.511
63	1.62	0.899
63	1.61	0.935

151.30 Total Arsenic		
Lab	ICP	
270	11.50	-0.944
102	11.20	-0.786
64	10.77	-0.556
24	9.72	0.000
Median	9.72	0.000
79	8.50	0.643
28	8.40	0.696
28	8.40	0.696

151.XX Total Arsenic		
Lab	Total Method	
270	11.50	-0.944
102	11.20	-0.786
64	10.77	-0.556
24	9.72	0.000
Median	9.72	0.000
79	8.50	0.643
28	8.40	0.696

28	8.40	0.696
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165.99 Acid Soluble Boron		
Lab	PPM	Other
102	79.50	-1.340
Std Dev	75.01	-1.000
Median	61.80	0.000
Std Dev	48.59	1.000
24	44.10	1.340

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
102	79.50	-1.340
Std Dev	75.01	-1.000
Median	61.80	0.000
Std Dev	48.59	1.000
24	44.10	1.340

181.00 Total Cadmium		
Lab	Atomic Absorbion	
220	6.67	0.000
Median	6.67	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
61	6.00	-2.867
237	5.80	-2.426
Std Dev	5.15	-1.000
43	5.10	-0.882
43	5.10	-0.882
61	5.00	-0.662
28	4.70	0.000
270	4.70	0.000
Median	4.70	0.000
64	4.59	0.254
28	4.40	0.662
102	4.40	0.662
Std Dev	4.25	1.000
79	4.00	1.544

181.99 Total Cadmium		
Lab	Other	
24	5.33	0.000
Median	5.33	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
220	6.67	-3.024
61	6.00	-1.811
237	5.80	-1.449
Std Dev	5.55	-1.000
24	5.33	-0.589
43	5.10	-0.181
43	5.10	-0.181
61	5.00	0.000
Median	5.00	0.000
28	4.70	0.543
270	4.70	0.543
64	4.59	0.751
Std Dev	4.45	1.000
28	4.40	1.086
102	4.40	1.086
79	4.00	1.811

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
14	2.54	-1.411
14	2.52	-1.269
9	2.51	-1.199
9	2.51	-1.199
237	2.49	-1.058
Std Dev	2.48	-1.000
34	2.48	-0.987
23	2.42	-0.529
23	2.41	-0.494
24	2.34	0.000
Median	2.34	0.000
61	2.34	0.035
61	2.32	0.141
28	2.30	0.282
28	2.30	0.282
24	2.23	0.776
Std Dev	2.20	1.000
102	2.05	2.032
43	1.58	5.395
43	1.36	6.912

190.99		
Lab	%Al ₂ O ₃	Aluminum Atomic Absorption
31	2.25	0.000
Median	2.25	0.000

190.XX		
Lab	%Al ₂ O ₃	Aluminum Total Method
14	2.54	-1.206
14	2.52	-1.087
9	2.51	-1.027
9	2.51	-1.027
Std Dev	2.51	-1.000
237	2.49	-0.908
34	2.48	-0.849
23	2.42	-0.462
23	2.41	-0.432
24	2.34	-0.015
Median	2.34	0.000
61	2.34	0.015
61	2.32	0.104
28	2.30	0.223
28	2.30	0.223
31	2.25	0.521
24	2.23	0.640
Std Dev	2.17	1.000
102	2.05	1.701
43	1.58	4.541
43	1.36	5.822

191.30		
Lab	Total Chromium ICP	
270	105.00	-3.950
79	94.00	-1.954
28	89.80	-1.193
Std Dev	88.74	-1.000
237	86.50	-0.594
64	86.24	-0.546
28	83.95	-0.132
Median	83.23	0.000
61	82.50	0.132
43	80.00	0.585
61	80.00	0.585
102	79.75	0.630
43	79.00	0.766

Std Dev	77.71	1.000
31	71.50	2.127

191.99		
Lab	PPM	Total Chromium Other
24	75.20	0.000
Median	75.20	0.000

191.XX		
Lab	PPM	Total Chromium Total Method
270	105.00	-4.467
79	94.00	-2.283
28	89.80	-1.449
Std Dev	87.54	-1.000
237	86.50	-0.794
64	86.24	-0.741
28	83.95	-0.288
61	82.50	0.000
Median	82.50	0.000
43	80.00	0.496
61	80.00	0.496
102	79.75	0.546
43	79.00	0.695
Std Dev	77.46	1.000
24	75.20	1.449
31	71.50	2.184

202.30		
Lab	PPM	Acid Soluble Cobalt ICP
64	5.16	-5.896
28	4.50	-2.552
28	4.20	-1.021
Std Dev	4.20	-1.000
43	4.00	0.000
43	4.00	0.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
270	3.85	0.766
Std Dev	3.80	1.000
237	3.20	4.084
102	3.05	4.850

202.99		
Lab	Acid Soluble Cobalt Other	
24	3.41	0.000
Median	3.41	0.000

202.XX		
Lab	PPM	Acid Soluble Cobalt Total Method
64	5.16	-3.276
28	4.50	-1.418
Std Dev	4.35	-1.000
28	4.20	-0.567
43	4.00	0.000
43	4.00	0.000
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
270	3.85	0.425
Std Dev	3.65	1.000
24	3.41	1.687
237	3.20	2.269
102	3.05	2.694

221.00		
Lab	Acid Soluble Copper Atomic Absorption	
220	2.68	0.000
Median	2.68	0.000

221.30		
Lab	PPM	Acid Soluble Copper ICP
237	7.55	-15.142
28	5.70	-10.184
Std Dev	2.27	-1.000
61	2.00	-0.268
61	2.00	-0.268
102	1.90	0.000
Median	1.90	0.000
28	1.55	0.938
Std Dev	1.53	1.000
43	1.50	1.072
43	1.00	2.412
270	1.00	2.412

221.99		
Lab	Acid Soluble Copper Other	

24	1.74	0.000
Median	1.74	0.000

221.XX		
Lab	PPM	Acid Soluble Copper Total Method
237	7.55	-15.757
28	5.70	-10.672
Std Dev	2.18	-1.000
61	2.00	-0.502
61	2.00	-0.502
102	1.90	-0.227
Median	1.82	0.000
24	1.74	0.227
28	1.55	0.735
43	1.50	0.873
Std Dev	1.45	1.000
43	1.00	2.247
270	1.00	2.247

241.30		
Lab	%Fe ₂ O ₃	Acid Soluble Iron ICP
24	3.06	-0.925
14	3.03	-0.766
14	3.03	-0.734
24	2.99	-0.510
23	2.99	-0.479
23	2.96	-0.287
9	2.95	-0.255
9	2.93	-0.128
237	2.91	0.000
Median	2.91	0.000
34	2.88	0.191
28	2.80	0.702
43	2.79	0.798
43	2.78	0.861
Std Dev	2.75	1.000
61	2.70	1.372
61	2.65	1.691
31	2.64	1.723
28	1.50	8.997

241.99		
Lab	%Fe ₂ O ₃	Acid Soluble Iron Other
102	2.69	0.000

Median	2.69	0.000
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241.XX Lab	%Fe ₂ O ₃	Acid Soluble Iron Total Method
24	3.06	-0.852
14	3.03	-0.730
14	3.03	-0.706
24	2.99	-0.535
23	2.99	-0.511
23	2.96	-0.365
9	2.95	-0.341
9	2.93	-0.243
237	2.91	-0.146
34	2.88	0.000
Median	2.88	0.000
28	2.80	0.389
43	2.79	0.462
43	2.78	0.511
61	2.70	0.900
102	2.69	0.903
220	2.68	0.998
Std Dev	2.67	1.000
61	2.65	1.144
31	2.64	1.168
28	1.50	6.717

251.30 Lab	PPM	Total Lead ICP
237	13.00	-6.022
102	12.55	-5.480
270	9.00	-1.204
Std Dev	8.83	-1.000
43	8.00	0.000
43	8.00	0.000
61	8.00	0.000
Median	8.00	0.000
28	7.75	0.301
28	7.60	0.482
Std Dev	7.17	1.000
61	7.00	1.204
79	5.00	3.613

251.99 Lab	Total Lead Other
28	3.613

24	8.25	0.000
Median	8.25	0.000

251.XX Lab	PPM	Total Lead Total Method
237	13.00	-7.071
102	12.55	-6.435
270	9.00	-1.414
Std Dev	8.71	-1.000
24	8.25	-0.346
43	8.00	0.000
43	8.00	0.000
61	8.00	0.000
Median	8.00	0.000
28	7.75	0.354
28	7.60	0.566
Std Dev	7.29	1.000
61	7.00	1.414
79	5.00	4.243

261.30 Lab	Acid Soluble Manganese ICP	
237	324.50	-0.368
102	317.15	0.000
Median	317.15	0.000
Std Dev	297.19	1.000
31	271.00	2.312

261.99 Lab	PPM	Acid Soluble Manganese Other
28	332.00	-2.066
Std Dev	322.71	-1.000
28	317.35	-0.384
43	315.00	-0.115
43	314.00	0.000
Median	314.00	0.000
61	307.50	0.746
Std Dev	305.29	1.000
61	301.50	1.435
24	299.00	1.722

261.XX Lab	PPM	Acid Soluble Manganese Total Method
28	332.00	-1.640

Std Dev	325.17	-1.000
237	324.50	-0.937
28	317.35	-0.267
102	317.15	-0.248
43	315.00	-0.047
Median	314.50	0.000
43	314.00	0.047
61	307.50	0.656
Std Dev	303.83	1.000
61	301.50	1.218
24	299.00	1.452
31	271.00	4.076

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
79	<0.05	0.000
Median	0.00	0.000

281.XX Lab	PPM	Total Mercury Total Method
102	<0.4	0.000
24	<0.07	0.000
79	<0.05	0.000
Median	0.00	0.000

289.30 Lab	PPM	Total Molybdenum ICP
64	14.25	-1.544
270	14.00	-1.090
Std Dev	13.95	-1.000
28	13.75	-0.636
28	13.70	-0.545
61	13.50	-0.182
Median	13.40	0.000
102	13.30	0.182
61	13.00	0.727
237	13.00	0.727
Std Dev	12.85	1.000

43	10.75	4.815
43	10.45	5.360

289.99 Lab	PPM	Total Molybdenum Other
24	14.00	0.000
Median	14.00	0.000

289.XX Lab	PPM	Total Molybdenum Total Method
64	14.25	-1.149
Std Dev	14.15	-1.000
24	14.00	-0.766
270	14.00	-0.766
28	13.75	-0.383
28	13.70	-0.306
61	13.50	0.000
Median	13.50	0.000
102	13.30	0.306
61	13.00	0.766
237	13.00	0.766
Std Dev	12.85	1.000
43	10.75	4.211
43	10.45	4.671

291.30 Lab	Total Nickel ICP	
270	23.00	-2.220
237	21.00	-1.271
Std Dev	20.43	-1.000
28	20.00	-0.796
64	19.79	-0.693
28	19.15	-0.392
Median	18.33	0.000
61	17.50	0.392
102	17.50	0.392
43	17.00	0.629
43	17.00	0.629
61	17.00	0.629

291.99 Lab	PPM	Total Nickel Other
24	19.30	0.000
Median	19.30	0.000

291.XX		
Lab	PPM	Total Nickel Total Method
270	23.00	-1.952
Std Dev	21.12	-1.000
237	21.00	-0.938
28	20.00	-0.431
64	19.79	-0.322
24	19.30	-0.076
28	19.15	0.000
Median	19.15	0.000
61	17.50	0.837
102	17.50	0.837
Std Dev	17.18	1.000
43	17.00	1.090
43	17.00	1.090
61	17.00	1.090

301.30		
Lab	PPM	Total Selenium ICP
24	<0.50	0.000
28	0.00	0.000
28	0.00	0.000
Median	0.00	0.000

301.99		
Lab	PPM	Total Selenium Other
102	<5	0.000
Median	0.00	0.000

301.XX		
Lab	PPM	Total Selenium Total Mthod
102	<5	0.000
24	<0.50	0.000
28	0.00	0.000
28	0.00	0.000
Median	0.00	0.000

311.00		
Lab	%Na ₂ O	Sodium Atomic Absorbion
61	0.38	-0.383
61	0.38	-0.383
Median	0.36	0.000
28	0.34	0.383

Std Dev	0.31	1.000
28	0.24	2.680

311.99		
Lab	%Na ₂ O	Sodium Other
23	0.39	-0.964
23	0.39	-0.792
24	0.37	-0.275
102	0.36	0.000
Median	0.36	0.000
24	0.35	0.413
Std Dev	0.33	1.000
43	0.33	1.200
43	0.28	2.701

311.XX		
Lab	%Na ₂ O	Sodium Total Method
23	0.39	-0.906
23	0.39	-0.744
61	0.38	-0.421
61	0.38	-0.421
24	0.37	-0.259
102	0.36	0.000
Median	0.36	0.000
24	0.35	0.388
28	0.34	0.712
Std Dev	0.33	1.000
43	0.33	1.127
43	0.28	2.538
28	0.24	4.109

321.30		
Lab	PPM	Acid Soluble Zinc ICP
64	103.59	-2.786
28	87.00	-1.426
Std Dev	81.80	-1.000
28	78.35	-0.717
270	70.00	-0.033
102	69.60	0.000
Median	69.60	0.000
24	68.60	0.082
237	62.00	0.623
Std Dev	57.40	1.000
61	55.00	1.197

61 54.50 1.238

321.99		
Lab	PPM	Acid Soluble Zinc Other
43	59.50	-1.340
Std Dev	59.44	-1.000
Median	59.25	0.000
Std Dev	59.06	1.000
43	59.00	1.340

321.XX		
Lab	PPM	Acid Soluble Zinc Total Method
64	103.59	-3.141
28	87.00	-1.652
Std Dev	79.74	-1.000
28	78.35	-0.875
270	70.00	-0.126
102	69.60	-0.090
24	68.60	0.000
Median	68.60	0.000
237	62.00	0.593
43	59.50	0.817
43	59.00	0.862
Std Dev	57.46	1.000
61	55.00	1.221
61	54.50	1.266

325.10		
Lab	%	Fluoride Electrode
28	3.70	-1.430
28	3.55	-1.070
220	3.54	-1.046
23	3.35	-0.589
23	3.32	-0.505
111	3.29	-0.445
34	3.14	-0.084
Median	3.11	0.000
24	3.07	0.084
31	3.05	0.132
24	2.95	0.385
14	2.73	0.901
14	2.72	0.937
237	2.44	1.610
102	2.41	1.683

325.99		
Lab	%	Fluoride Other
61	3.28	-1.340
Median	3.25	0.000
61	3.22	1.340

325.XX		
Lab	%	Fluoride Total Method
28	3.70	-1.611
28	3.55	-1.146
220	3.54	-1.115
23	3.35	-0.527
23	3.32	-0.418
111	3.29	-0.341
61	3.28	-0.294
61	3.22	-0.124
Median	3.18	0.000
34	3.14	0.124
24	3.07	0.341
31	3.05	0.403
24	2.95	0.728
14	2.73	1.394
14	2.72	1.441
237	2.44	2.308
102	2.41	2.401