

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	11.92	-1.340
Std Dev	11.85	-1.000
Median	11.65	0.000
Std Dev	11.46	1.000
49	11.39	1.340

001.99 Ammoniacal Nitrogen		
Lab	Other	
28	11.96	-1.563
24	11.94	-1.117
Std Dev	11.93	-1.000
140	11.92	-0.558
61	11.90	-0.112
23	11.89	0.000
24	11.89	0.000
Median	11.89	0.000
23	11.87	0.447
32	11.86	0.782
Std Dev	11.85	1.000
61	11.84	1.228
28	11.60	6.477
38	11.19	15.745

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
28	11.96	-1.173
Std Dev	11.95	-1.000
24	11.94	-0.838
31	11.92	-0.419
140	11.92	-0.419
61	11.90	-0.084
23	11.89	0.000
24	11.89	0.000
Median	11.89	0.000
23	11.87	0.335
32	11.86	0.586
61	11.84	0.921
Std Dev	11.83	1.000
28	11.60	4.858
49	11.39	8.375
38	11.19	11.809

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
79	12.09	-2.416
Std Dev	11.99	-1.000
43	11.94	-0.151
Median	11.93	0.000
43	11.92	0.151
Std Dev	11.86	1.000
49	11.79	2.038

010.12 Total Nitrogen		
Lab	Salicylic	
107	11.82	0.000
Median	11.82	0.000

010.60 Total Nitrogen		
Lab	Combustion	
65	12.06	-1.997
47	12.01	-1.524
40	12.00	-1.419
9	11.98	-1.209
Std Dev	11.96	-1.000
42	11.96	-0.946
64	11.96	-0.946
104	11.95	-0.841
39	11.90	-0.368
49	11.89	-0.210
14	11.88	-0.158
24	11.88	-0.105
75	11.88	-0.105
24	11.87	-0.053
63	11.87	0.000
Median	11.87	0.000
14	11.86	0.105
80	11.85	0.158
102	11.85	0.158
63	11.84	0.263
44	11.83	0.368
110	11.80	0.683
31	11.79	0.788
Std Dev	11.77	1.000
38	11.72	1.524
270	11.60	2.785
99	11.59	2.943

95	11.55	3.311
87	11.52	3.626
103	11.31	5.833

010.99 Total Nitrogen		
Lab	Other	
32	11.98	-1.340
Std Dev	11.98	-1.000
Median	11.97	0.000
Std Dev	11.95	1.000
34	11.95	1.340

010.XX Total Nitrogen		
Lab	Total Method	
79	12.09	-1.981
65	12.06	-1.701
47	12.01	-1.282
40	12.00	-1.189
9	11.98	-1.002
32	11.98	-1.002
Std Dev	11.98	-1.000
42	11.96	-0.769
64	11.96	-0.769
34	11.95	-0.722
104	11.95	-0.676
43	11.94	-0.583
43	11.92	-0.396
39	11.90	-0.256
49	11.89	-0.117
14	11.88	-0.070
24	11.88	-0.023
75	11.88	-0.023
Median	11.87	0.000
24	11.87	0.023
63	11.87	0.070
14	11.86	0.163
80	11.85	0.210
102	11.85	0.210
63	11.84	0.303
44	11.83	0.396
107	11.82	0.489
110	11.80	0.676
31	11.79	0.769
49	11.79	0.769

Std Dev	11.77	1.000
38	11.72	1.422
270	11.60	2.540
99	11.59	2.680
95	11.55	3.006
87	11.52	3.286
103	11.31	5.243

020.10 Total Phosphate		
Lab	Gravimetric Quimociac	
241	40.64	0.000
Median	40.64	0.000

020.20 Total Phosphate		
Lab	Spectrometric	
14	40.72	-1.472
24	40.64	-1.120
14	40.63	-1.054
Std Dev	40.61	-1.000
43	40.58	-0.835
43	40.54	-0.659
24	40.52	-0.571
32	40.50	-0.483
99	40.46	-0.308
34	40.43	-0.198
31	40.43	-0.176
140	40.40	-0.044
Median	40.39	0.000
23	40.38	0.044
9	40.36	0.110
102	40.35	0.154
61	40.25	0.593
244	40.25	0.593
61	40.19	0.857
Std Dev	40.16	1.000
23	40.15	1.032
39	40.14	1.098
220	39.90	2.153
270	39.33	4.635
95	38.60	7.842

020.30 Total Phosphate		
Lab	Alka. Quimociac	
40	40.95	0.000

Median	40.95	0.000
020.40	Total Phosphate	
Lab	Automated	
9	40.52	0.000
Median	40.52	0.000
020.99	Total Phosphate	
Lab	Other	
28	40.85	-0.732
124	40.61	-0.180
28	40.53	0.000
Median	40.53	0.000
Std Dev	40.08	1.000
79	40.01	1.160
39	39.62	2.049
020.XX	Total Phosphate	
Lab	Total Method	
40	40.95	-1.926
28	40.85	-1.573
14	40.72	-1.089
Std Dev	40.70	-1.000
24	40.64	-0.791
241	40.64	-0.791
14	40.63	-0.735
124	40.61	-0.661
43	40.58	-0.549
43	40.54	-0.400
28	40.53	-0.363
9	40.52	-0.344
24	40.52	-0.326
32	40.50	-0.251
99	40.46	-0.102
34	40.43	-0.009
Median	40.43	0.000
31	40.43	0.009
140	40.40	0.121
23	40.38	0.195
9	40.36	0.251
102	40.35	0.288
61	40.25	0.661
244	40.25	0.661
61	40.19	0.884

Std Dev	40.16	1.000
23	40.15	1.033
39	40.14	1.089
79	40.01	1.554
220	39.90	1.982
39	39.62	3.024
270	39.33	4.085
95	38.60	6.802
030.10	Insoluble Phosphate	
Lab	Gravimetric Quimociac	
79	0.53	0.000
Median	0.53	0.000
030.20	Insoluble Phosphate	
Lab	Spectrometric	
32	0.91	-1.157
Std Dev	0.88	-1.000
14	0.84	-0.700
140	0.84	-0.700
23	0.81	-0.548
14	0.77	-0.305
61	0.73	-0.030
Median	0.72	0.000
23	0.72	0.030
61	0.68	0.244
24	0.61	0.700
24	0.57	0.914
Std Dev	0.56	1.000
43	0.30	2.558
43	0.20	3.167
030.30	Insoluble Phosphate	
Lab	Alka. Quimociac	
31	0.85	0.000
Median	0.85	0.000
030.40	Insoluble Phosphate	
Lab	Automated	
9	0.81	0.000
34	0.81	0.000
Median	0.81	0.000

030.99	Insoluble Phosphate	
Lab	Other	
28	0.58	-1.340
Std Dev	0.58	-1.000
Median	0.56	0.000
Std Dev	0.55	1.000
28	0.55	1.340
030.XX	Insoluble Phosphate	
Lab	Total Method	
32	0.91	-1.072
Std Dev	0.90	-1.000
31	0.85	-0.705
14	0.84	-0.649
140	0.84	-0.649
9	0.81	-0.508
23	0.81	-0.508
34	0.81	-0.508
14	0.77	-0.282
61	0.73	-0.028
Median	0.72	0.000
23	0.72	0.028
61	0.68	0.226
24	0.61	0.649
28	0.58	0.790
24	0.57	0.846
28	0.55	0.987
Std Dev	0.54	1.000
79	0.53	1.072
43	0.30	2.370
43	0.20	2.934
040.20	Indirect Available Phosphate	
Lab	Spectrometric	
24	40.07	-2.353
14	39.95	-1.770
24	39.87	-1.358
Std Dev	39.79	-1.000
14	39.79	-0.994
23	39.66	-0.364
43	39.61	-0.121
Median	39.59	0.000
140	39.56	0.121
31	39.56	0.146

43	39.54	0.243
61	39.53	0.291
61	39.51	0.364
Std Dev	39.38	1.000
23	39.34	1.188
040.99	Indirect Available Phosphate	
Lab	Other	
38	41.65	-4.388
28	40.27	-1.266
Std Dev	40.15	-1.000
28	39.99	-0.622
9	39.71	0.000
Median	39.71	0.000
34	39.59	0.271
79	39.48	0.520
Std Dev	39.27	1.000
64	38.53	2.680
040.XX	Indirect Available Phosphate	
Lab	Total Method	
38	41.65	-7.241
28	40.27	-2.343
24	40.07	-1.633
28	39.99	-1.331
14	39.95	-1.207
Std Dev	39.89	-1.000
24	39.87	-0.905
14	39.79	-0.639
9	39.71	-0.355
23	39.66	-0.177
43	39.61	0.000
Median	39.61	0.000
34	39.59	0.071
140	39.56	0.177
31	39.56	0.195
43	39.54	0.266
61	39.53	0.302
61	39.51	0.355
79	39.48	0.461
23	39.34	0.958
Std Dev	39.33	1.000
64	38.53	3.851

041.10 Direct Available Phosphate		
Lab	Gravimetric Quimociac	
107	41.40	-2.327
Std Dev	40.33	-1.000
104	40.11	-0.718
39	40.00	-0.580
87	39.63	-0.125
Median	39.53	0.000
49	39.43	0.125
47	39.04	0.612
Std Dev	38.73	1.000
65	38.68	1.067
44	38.58	1.186

041.20 Direct Available Phosphate		
Lab	Spectrometric	
220	39.08	-1.340
Std Dev	38.99	-1.000
Median	38.74	0.000
Std Dev	38.49	1.000
47	38.41	1.340

041.40 Direct Available Phosphate		
Lab	Automated	
49	39.92	-0.012
39	39.90	0.000
Median	39.90	0.000
Std Dev	38.29	1.000
42	35.60	2.668

041.50 Direct Available Phosphate		
Lab	ICP	
80	40.55	-1.361
Std Dev	40.29	-1.000
63	39.62	-0.089
63	39.56	0.000
Median	39.56	0.000
Std Dev	38.82	1.000
66	38.64	1.251
87	37.70	2.543

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
65	39.25	0.000

Median	39.25	0.000
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041.XX Direct Available Phosphate		
Lab	Total Method	
107	41.40	-2.102
80	40.55	-1.198
Std Dev	40.36	-1.000
104	40.11	-0.722
39	40.00	-0.604
49	39.92	-0.524
39	39.90	-0.503
87	39.63	-0.214
63	39.62	-0.203
63	39.56	-0.134
49	39.43	0.000
Median	39.43	0.000
65	39.25	0.198
220	39.08	0.380
47	39.04	0.417
65	38.68	0.808
66	38.64	0.845
44	38.58	0.909
Std Dev	38.50	1.000
47	38.41	1.091
87	37.70	1.856
42	35.60	4.098

048.10 Water Soluble Phosphate		
Lab	Gravimetric Quimociac	
79	34.49	0.000
Median	34.49	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
43	35.26	-2.244
140	35.03	-1.242
Std Dev	34.97	-1.000
24	34.96	-0.959
220	34.92	-0.784
43	34.85	-0.479
31	34.81	-0.283
61	34.77	-0.131
23	34.74	0.000
Median	34.74	0.000

Median	34.74	0.000
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23	34.64	0.436
32	34.62	0.523
61	34.62	0.523
24	34.54	0.893
14	34.52	0.959
Std Dev	34.51	1.000
14	34.19	2.397
244	34.04	3.072

048.99 Water Soluble Phosphate		
Lab	Other	
9	34.71	0.000
Median	34.71	0.000

048.XX Water Soluble Phosphate		
Lab	Total Method	
43	35.26	-2.318
140	35.03	-1.340
24	34.96	-1.063
Std Dev	34.95	-1.000
220	34.92	-0.893
43	34.85	-0.596
31	34.81	-0.404
61	34.77	-0.255
23	34.74	-0.128
9	34.71	0.000
Median	34.71	0.000
23	34.64	0.298
32	34.62	0.383
61	34.62	0.383
24	34.54	0.744
14	34.52	0.808
79	34.49	0.936
Std Dev	34.47	1.000
14	34.19	2.212
244	34.04	2.871

Median	34.71	0.000
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050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.14	-1.787
Std Dev	0.14	-1.000
23	0.13	0.000
Median	0.13	0.000
99	0.13	0.893

050.51 %K ₂ O Soluble Potash		
Lab	ICP(Citrate)	
87	0.16	0.000
Median	0.16	0.000

050.60 Soluble Potash		
Lab	%K ₂ O	Flame Photometric(Oxalate)
241	0.16	0.000
Median	0.16	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
102	0.12	-1.154
Std Dev	0.12	-1.000
43	0.12	-0.600
43	0.12	-0.503
24	0.12	0.000
24	0.12	0.000
61	0.12	0.000
Median	0.12	0.000
Std Dev	0.12	1.000
61	0.11	3.252
124	0.10	6.504

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
241	0.16	0.000
87	0.16	0.000
23	0.14	0.000
23	0.13	0.000
Std Dev	0.00	-1.000
99	0.13	0.000
102	0.12	0.000
43	0.12	0.000
Median	0.00	0.000
43	0.12	0.000
24	0.12	0.000
24	0.12	0.000
61	0.12	0.000
Std Dev	0.00	1.000
61	0.11	0.000
124	0.10	0.000

060.00 Free Water		
Lab	Vacuum Oven	
241	1.28	-5.849
79	1.11	-4.403
24	0.79	-1.680
220	0.75	-1.340
Std Dev	0.71	-1.000
23	0.69	-0.787
24	0.69	-0.787
9	0.63	-0.319
23	0.63	-0.277
Median	0.59	0.000
34	0.56	0.277
43	0.56	0.277
140	0.56	0.319
43	0.55	0.362
32	0.53	0.574
31	0.51	0.744
14	0.50	0.787
14	0.48	0.957

060.10 Free Water		
Lab	Vacuum Desiccator	
61	0.71	-1.340
Std Dev	0.69	-1.000
Median	0.64	0.000
Std Dev	0.60	1.000
61	0.58	1.340

060.99 Free Water		
Lab	Other	
124	0.89	-1.340
Std Dev	0.88	-1.000
Median	0.86	0.000
Std Dev	0.85	1.000
28	0.84	1.340

060.XX Free Water		
Lab	Total Method	
241	1.28	-4.239
79	1.11	-3.135
124	0.89	-1.673
28	0.84	-1.381
24	0.79	-1.056

101.00 Acid Soluble Calcium		
Lab	%CaO	Atomic Absorption
241	0.46	0.000
Median	0.46	0.000

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
34	0.45	-1.480
61	0.45	-1.480
24	0.45	-1.315
24	0.45	-1.315
61	0.44	-1.151
Std Dev	0.44	-1.000
14	0.43	-0.822
14	0.43	-0.822
9	0.42	-0.493
23	0.42	-0.329
23	0.41	0.000
32	0.41	0.000
Median	0.41	0.000
39	0.40	0.064
43	0.40	0.327
124	0.40	0.329
87	0.39	0.400
102	0.39	0.543
270	0.38	0.822

101.00 Acid Soluble Calcium		
Lab	%CaO	Atomic Absorption
241	0.46	0.000
Median	0.46	0.000

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
34	0.45	-1.480
61	0.45	-1.480
24	0.45	-1.315
24	0.45	-1.315
61	0.44	-1.151
Std Dev	0.44	-1.000
14	0.43	-0.822
14	0.43	-0.822
9	0.42	-0.493
23	0.42	-0.329
23	0.41	0.000
32	0.41	0.000
Median	0.41	0.000
39	0.40	0.064
43	0.40	0.327
124	0.40	0.329
87	0.39	0.400
102	0.39	0.543
270	0.38	0.822

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
241	0.46	-1.562
34	0.45	-1.278
61	0.45	-1.278
24	0.45	-1.136
24	0.45	-1.136
Std Dev	0.44	-1.000
61	0.44	-0.994
14	0.43	-0.710
14	0.43	-0.710
9	0.42	-0.426
23	0.42	-0.284
23	0.41	0.000
32	0.41	0.000
Median	0.41	0.000
39	0.40	0.055
43	0.40	0.282
124	0.40	0.284
87	0.39	0.346
102	0.39	0.469
43	0.37	0.986
79	0.37	0.994
Std Dev	0.37	1.000
44	0.15	7.385

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
241	0.46	-1.562
34	0.45	-1.278
61	0.45	-1.278
24	0.45	-1.136
24	0.45	-1.136
Std Dev	0.44	-1.000
61	0.44	-0.994
14	0.43	-0.710
14	0.43	-0.710
9	0.42	-0.426
23	0.42	-0.284
23	0.41	0.000
32	0.41	0.000
Median	0.41	0.000
39	0.40	0.055
43	0.40	0.282
124	0.40	0.284
87	0.39	0.346
102	0.39	0.469
43	0.37	0.986
79	0.37	0.994
Std Dev	0.37	1.000
44	0.15	7.385

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
241	0.46	-1.562
34	0.45	-1.278
61	0.45	-1.278
24	0.45	-1.136
24	0.45	-1.136
Std Dev	0.44	-1.000
61	0.44	-0.994
14	0.43	-0.710
14	0.43	-0.710
9	0.42	-0.426
23	0.42	-0.284
23	0.41	0.000
32	0.41	0.000
Median	0.41	0.000
39	0.40	0.055
43	0.40	0.282
124	0.40	0.284
87	0.39	0.346
102	0.39	0.469
43	0.37	0.986
79	0.37	0.994
Std Dev	0.37	1.000
44	0.15	7.385

121.00 Acid Soluble Magnesium		
Lab	%MgO	Atomic Absorption
241	0.96	0.000
Median	0.96	0.000

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
44	1.04	-3.764
24	0.94	-1.209
79	0.93	-1.084
Std Dev	0.93	-1.000
34	0.92	-0.834

121.00 Acid Soluble Magnesium		
Lab	%MgO	Atomic Absorption
241	0.96	0.000
Median	0.96	0.000

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
44	1.04	-3.764
24	0.94	-1.209
79	0.93	-1.084
Std Dev	0.93	-1.000
34	0.92	-0.834

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
23	0.92	-0.709
24	0.92	-0.709
61	0.91	-0.584
14	0.90	-0.334
23	0.90	-0.334
14	0.90	-0.209
270	0.89	-0.084
Median	0.89	0.000
39	0.88	0.084
102	0.87	0.319
32	0.87	0.415
61	0.87	0.540
87	0.86	0.653
9	0.86	0.665
31	0.86	0.665
Std Dev	0.85	1.000
124	0.84	1.290
43	0.74	3.789
43	0.74	3.789
104	0.55	8.537

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
44	1.04	-3.605
241	0.96	-1.713
24	0.94	-1.101
Std Dev	0.93	-1.000
79	0.93	-0.979
34	0.92	-0.734
23	0.92	-0.612
24	0.92	-0.612
61	0.91	-0.490
14	0.90	-0.245
23	0.90	-0.245
14	0.90	-0.122
270	0.89	0.000
Median	0.89	0.000
39	0.88	0.165
102	0.87	0.395
32	0.87	0.490
61	0.87	0.612
87	0.86	0.722
9	0.86	0.734
31	0.86	0.734

Std Dev	0.85	1.000
124	0.84	1.346
43	0.74	3.794
43	0.74	3.794
104	0.55	8.444

144..01		Sulfate Sulfur (S)	
Lab		Gravimetric	
61	5.91	-1.787	
61	5.75	-1.173	
Std Dev	5.70	-1.000	
140	5.43	0.000	
Median	5.43	0.000	
220	5.39	0.168	
Std Dev	5.16	1.000	
241	5.14	1.079	

144.70		Sulfur	
Lab		Spectrometric	
14	8.61	-1.340	
Std Dev	8.61	-1.000	
Median	8.60	0.000	
Std Dev	8.58	1.000	
14	8.58	1.340	

144.99		Sulfate Sulfur (S)	
Lab		Other	
43	16.58	-7.137	
43	16.38	-7.014	
87	9.10	-2.416	
34	7.65	-1.503	
Std Dev	6.85	-1.000	
38	5.44	-0.107	
9	5.42	-0.095	
24	5.34	-0.044	
Median	5.27	0.000	
24	5.20	0.044	
270	5.17	0.063	
66	5.05	0.139	
31	4.95	0.202	
32	4.77	0.316	
Std Dev	3.69	1.000	
23	1.79	2.197	
23	1.79	2.200	

144.XX		Sulfate Sulfur (S)	
Lab		Total Method	
43	16.58	-5.955	
43	16.38	-5.851	
87	9.10	-1.963	
14	8.61	-1.703	
14	8.58	-1.687	
34	7.65	-1.191	
Std Dev	7.29	-1.000	
61	5.91	-0.262	
61	5.75	-0.174	
38	5.44	-0.011	
140	5.43	-0.005	
9	5.42	0.000	
Median	5.42	0.000	
220	5.39	0.019	
24	5.34	0.043	
24	5.20	0.117	
270	5.17	0.133	
241	5.14	0.149	
66	5.05	0.198	
31	4.95	0.251	
32	4.77	0.347	
Std Dev	3.55	1.000	
23	1.79	1.938	
23	1.79	1.941	

145.99		Total Sulfur (S)	
Lab		Other	
124	29.01	-25.596	
63	11.04	-1.143	
63	10.95	-1.020	
Std Dev	10.93	-1.000	
23	10.22	-0.027	
23	10.20	0.000	
Median	10.20	0.000	
140	10.01	0.252	
103	9.96	0.320	
99	9.86	0.456	
Std Dev	9.46	1.000	
102	8.58	2.192	

145.XX		Total Sulfur (S)	
Lab		Total Method	
124	29.01	-25.596	
63	11.04	-1.143	
63	10.95	-1.020	
Std Dev	10.93	-1.000	
23	10.22	-0.027	
23	10.20	0.000	
Median	10.20	0.000	
140	10.01	0.252	
103	9.96	0.320	
99	9.86	0.456	
Std Dev	9.46	1.000	
102	8.58	2.192	

151.30		Total Arsenic	
Lab		ICP	
102	<5	0.000	
124	<0.5	0.000	
270	9.00	-1.798	
Std Dev	8.51	-1.000	
64	8.32	-0.686	
31	7.90	0.000	
Median	7.90	0.000	
9	7.50	0.654	
24	6.46	2.361	

151.99		Total Arsenic	
Lab		Other	
61	8.50	-1.340	
Std Dev	8.28	-1.000	
Median	7.63	0.000	
Std Dev	6.97	1.000	
87	6.75	1.340	

151.XX		Total Arsenic	
Lab		Total Method	
102	<5	0.000	
124	<0.5	0.000	
270	9.00	-1.147	
Std Dev	8.86	-1.000	
61	8.50	-0.626	
64	8.32	-0.438	
31	7.90	0.000	

Median	7.90	0.000
9	7.50	0.417
Std Dev	6.94	1.000
87	6.75	1.199
24	6.46	1.507

165.99		Acid Soluble Boron	
Lab	PPM	Other	
87	362.95	-0.405	
63	342.96	-0.293	
63	325.07	-0.192	
Median	290.78	0.000	
124	256.50	0.192	
Std Dev	112.62	1.000	
102	47.50	1.366	
24	34.20	1.440	

165.XX, ppm		Acid Soluble Boron	
Lab	PPM	Total Method	
87	362.95	-0.405	
63	342.96	-0.293	
63	325.07	-0.192	
Median	290.78	0.000	
124	256.50	0.192	
Std Dev	112.62	1.000	
102	47.50	1.366	
24	34.20	1.440	

181.00		Total Cadmium	
Lab		Atomic Absorbion	
220	3.05	0.000	
Median	3.05	0.000	

181.30		Total Cadmium	
Lab	PPM	ICP	
124	<0.5	0.000	
43	3.20	-1.072	
Std Dev	3.19	-1.000	
102	3.10	-0.536	
270	3.10	-0.536	
43	3.00	0.000	
61	3.00	0.000	
61	3.00	0.000	
Median	3.00	0.000	

9	2.85	0.804
Std Dev	2.81	1.000
87	2.80	1.072
79	2.00	5.360

181.99 Total Cadmium		
Lab		Other
24	3.16	0.000
Median	3.16	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
124	<0.5	0.000
43	3.20	-1.531
24	3.16	-1.187
Std Dev	3.13	-1.000
102	3.10	-0.766
270	3.10	-0.766
220	3.05	-0.345
43	3.00	0.000
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
Std Dev	2.87	1.000
9	2.85	1.149
87	2.80	1.531
79	2.00	7.657

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
241	1.44	-2.680
9	1.40	-1.634
14	1.39	-1.242
14	1.38	-1.111
Std Dev	1.38	-1.000
61	1.37	-0.719
34	1.35	-0.327
23	1.35	-0.196
79	1.35	-0.196
124	1.34	-0.065
Median	1.34	0.000
23	1.34	0.065
61	1.33	0.196
24	1.33	0.327

24	1.31	0.719
87	1.31	0.719
Std Dev	1.30	1.000
32	1.25	2.288
43	1.19	3.857
43	1.19	3.987
102	1.15	5.017

190.99 Aluminum		
Lab	%Al ₂ O ₃	Atomic Absorption
31	1.34	0.000
Median	1.34	0.000

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
241	1.44	-2.821
9	1.40	-1.693
14	1.39	-1.269
14	1.38	-1.128
Std Dev	1.38	-1.000
61	1.37	-0.705
34	1.35	-0.282
23	1.35	-0.141
79	1.35	-0.141
31	1.34	0.000
124	1.34	0.000
Median	1.34	0.000
23	1.34	0.141
61	1.33	0.282
24	1.33	0.423
24	1.31	0.846
87	1.31	0.846
Std Dev	1.30	1.000
32	1.25	2.539
43	1.19	4.232
43	1.19	4.373
102	1.15	5.484

191.00 Total Chromium		
Lab		Atomic Absorption
241	81.00	0.000
Median	81.00	0.000

191.30 Total Chromium		
Lab		ICP
87	69.65	-1.207
Std Dev	68.89	-1.000
270	68.00	-0.756
61	66.50	-0.346
9	66.30	-0.291
64	65.51	-0.074
124	65.24	0.000
Median	65.24	0.000
104	64.19	0.287
61	64.00	0.338
Std Dev	61.58	1.000
43	59.00	1.705
43	59.00	1.705
102	59.00	1.705

191.XX Total Chromium		
Lab	PPM	Total Method
241	81.00	-5.077
87	69.65	-1.390
Std Dev	68.45	-1.000
270	68.00	-0.854
61	66.50	-0.367
9	66.30	-0.302
64	65.51	-0.044
Median	65.37	0.000
124	65.24	0.044
104	64.19	0.385
61	64.00	0.445
Std Dev	62.29	1.000
43	59.00	2.069
43	59.00	2.069
102	59.00	2.069

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
64	3.80	-1.598
61	3.50	-1.014
Std Dev	3.49	-1.000
87	3.30	-0.624
43	3.00	-0.039
61	3.00	-0.039
Median	2.98	0.000

124	2.96	0.039
9	2.65	0.643
43	2.50	0.936
Std Dev	2.47	1.000
102	2.40	1.130
270	1.30	3.274

202.99 Acid Soluble Cobalt		
Lab		Other
24	2.70	0.000
Median	2.70	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
64	3.80	-1.958
61	3.50	-1.258
Std Dev	3.39	-1.000
87	3.30	-0.792
43	3.00	-0.093
61	3.00	-0.093
124	2.96	0.000
Median	2.96	0.000
24	2.70	0.606
9	2.65	0.722
Std Dev	2.53	1.000
43	2.50	1.072
102	2.40	1.305
270	1.30	3.869

221.00 Acid Soluble Copper		
Lab		Atomic Absorption
241	1.65	-0.455
220	1.56	0.000
Median	1.56	0.000
Std Dev	1.35	1.000
95	1.09	2.225

221.30 Acid Soluble Copper		
Lab	PPM	ICP
102	<1	0.000
87	<0.9	0.000
63	8.28	-2.215
63	7.92	-2.097
Std Dev	4.56	-1.000

124	4.16	-0.870
61	2.00	-0.163
Median	1.50	0.000
43	1.00	0.163
43	1.00	0.163
61	1.00	0.163
270	0.50	0.327

221.99	Acid Soluble Copper	
Lab	Other	
79	1.60	0.000
Median	1.60	0.000

221.XX	Acid Soluble Copper	
Lab	PPM	Total Method
102	<1	0.000
87	<0.9	0.000
63	8.28	-3.569
63	7.92	-3.385
124	4.16	-1.464
Std Dev	3.25	-1.000
61	2.00	-0.359
79	1.60	-0.152
Median	1.30	0.000
43	1.00	0.152
43	1.00	0.152
61	1.00	0.152
270	0.50	0.408
95	0.00	0.664

241.30	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	ICP
124	1.68	-1.545
14	1.66	-1.159
Std Dev	1.64	-1.000
34	1.64	-0.927
14	1.63	-0.772
24	1.63	-0.772
39	1.61	-0.517
44	1.61	-0.386
87	1.58	-0.042
23	1.58	0.000
24	1.58	0.000
Median	1.58	0.000

23	1.57	0.154
61	1.57	0.154
9	1.56	0.309
31	1.55	0.463
61	1.52	0.927
Std Dev	1.52	1.000
32	1.51	1.159
43	1.48	1.545
43	1.47	1.776
104	1.34	3.707

241.99	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	Other
102	1.45	0.000
Median	1.45	0.000

241.XX	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	Total Method
124	1.68	-1.349
14	1.66	-1.043
Std Dev	1.65	-1.000
241	1.65	-0.981
34	1.64	-0.859
14	1.63	-0.736
24	1.63	-0.736
39	1.61	-0.534
44	1.61	-0.429
87	1.58	-0.156
23	1.58	-0.123
24	1.58	-0.123
23	1.57	0.000
61	1.57	0.000
Median	1.57	0.000
9	1.56	0.123
220	1.56	0.184
31	1.55	0.245
61	1.52	0.613
32	1.51	0.797
Std Dev	1.49	1.000
43	1.48	1.104
43	1.47	1.288
102	1.45	1.420
104	1.34	2.821
95	1.09	5.887

251.30	Total Lead	
Lab	PPM	ICP
87	<5	0.000
102	<5	0.000
43	15.50	-2.481
43	15.00	-2.382
Std Dev	8.04	-1.000
79	4.00	-0.199
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
270	2.50	0.099
124	1.12	0.374

251.99	Total Lead	
Lab		Other
24	2.17	0.000
Median	2.17	0.000

251.XX	Total Lead	
Lab	PPM	Total Method
87	<5	0.000
102	<5	0.000
43	15.50	-3.865
43	15.00	-3.710
Std Dev	6.23	-1.000
79	4.00	-0.309
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
270	2.50	0.155
24	2.17	0.258
124	1.12	0.583

261.00	Acid Soluble Manganese	
Lab	Atomic Absorption	
95	0.03	0.000
Median	0.03	0.000

261.30	Acid Soluble Manganese	
Lab	ICP	
124	291.00	-0.919
87	287.20	-0.643

39	286.00	-0.556
9	285.00	-0.484
Median	278.32	0.000
63	271.65	0.484
63	267.92	0.754
102	267.50	0.784
31	265.00	0.966

261.99	Acid Soluble Manganese	
Lab	PPM	Other
24	280.50	-1.819
61	276.50	-1.053
Std Dev	276.22	-1.000
61	271.00	0.000
Median	271.00	0.000
43	269.50	0.287
43	268.00	0.574

261.XX	Acid Soluble Manganese	
Lab	PPM	Total Method
124	291.00	-1.654
87	287.20	-1.335
39	286.00	-1.234
9	285.00	-1.150
Std Dev	283.22	-1.000
24	280.50	-0.772
61	276.50	-0.435
63	271.65	-0.027
Median	271.32	0.000
61	271.00	0.027
43	269.50	0.153
43	268.00	0.279
63	267.92	0.286
102	267.50	0.321
31	265.00	0.532
Std Dev	259.43	1.000
95	0.03	22.808

271.99	Water Soluble Manganese	
Lab	Other	
104	264.50	0.000
Median	264.50	0.000

271.XX Water Soluble Manganese		
Lab	PPM	Total Method
104	264.50	0.000
Median	264.50	0.000

281.30 Total Mercury		
Lab	PPM	ICP
124	<0.5	0.000
24	<0.12	0.000
270	1.70	0.000
Median	1.70	0.000

281.99 Total Mercury		
Lab	PPM	Other
102	<0.4	0.000
79	<0.05	0.000
Median	0.00	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
124	<0.5	0.000
102	<0.4	0.000
24	<0.12	0.000
79	<0.05	0.000
270	1.70	0.000
Median	1.70	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP
124	16.61	-9.472
Std Dev	11.55	-1.000
61	11.50	-0.921
104	11.37	-0.695
64	11.09	-0.226
61	11.00	-0.084
9	10.95	0.000
Median	10.95	0.000
102	10.80	0.251
43	10.55	0.670
Std Dev	10.35	1.000
43	10.30	1.089
270	10.00	1.591
87	9.85	1.843

289.99 Total Molybdenum		
Lab	PPM	Other
24	10.65	0.000
Median	10.65	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
124	16.61	-11.503
61	11.50	-1.255
Std Dev	11.37	-1.000
104	11.37	-0.984
64	11.09	-0.422
61	11.00	-0.251
9	10.95	-0.151
Median	10.88	0.000
102	10.80	0.151
24	10.65	0.452
43	10.55	0.652
Std Dev	10.38	1.000
43	10.30	1.154
270	10.00	1.757
87	9.85	2.058

291.30 Total Nickel		
Lab	PPM	ICP
9	15.20	-1.119
Std Dev	15.09	-1.000
104	14.63	-0.483
270	14.50	-0.338
87	14.45	-0.282
64	14.40	-0.221
Median	14.20	0.000
61	14.00	0.221
61	14.00	0.221
Std Dev	13.30	1.000
102	13.05	1.281
43	12.50	1.896
43	12.50	1.896

291.99 Total Nickel		
Lab	PPM	Other
24	15.65	-1.340
Std Dev	15.38	-1.000
Median	14.59	0.000

Std Dev	13.80	1.000
124	13.53	1.340

291.XX Total Nickel		
Lab	PPM	Total Method
24	15.65	-1.734
9	15.20	-1.197
Std Dev	15.04	-1.000
104	14.63	-0.516
270	14.50	-0.361
87	14.45	-0.301
64	14.40	-0.236
Median	14.20	0.000
61	14.00	0.236
61	14.00	0.236
124	13.53	0.797
Std Dev	13.36	1.000
102	13.05	1.370
43	12.50	2.026
43	12.50	2.026

301.30 Total Selenium		
Lab	PPM	ICP
87	<4.6	0.000
24	<0.50	0.000
124	<0.5	0.000
Median	0.00	0.000

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

301.XX Total Selenium		
Lab	PPM	Total Method
102	<5	0.000
87	<4.6	0.000
24	<0.50	0.000
124	<0.5	0.000
Median	0.00	0.000

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbion
241	0.17	-2.233

Std Dev	0.16	-1.000
61	0.15	0.000
Median	0.15	0.000
61	0.14	0.447

311.99 Sodium		
Lab	%Na ₂ O	Other
124	805.50	#####
Std Dev	0.20	-1.000
87	0.18	-0.039
23	0.18	0.000
23	0.18	0.000
24	0.18	0.000
24	0.18	0.000
Median	0.18	0.000
Std Dev	0.15	1.000
102	0.14	1.340
43	0.13	1.496
43	0.13	1.496

311.XX Sodium		
Lab	%Na ₂ O	Total Method
124	805.50	#####
Std Dev	0.20	-1.000
87	0.18	-0.135
23	0.18	-0.094
23	0.18	-0.094
24	0.18	-0.094
24	0.18	-0.094
Median	0.17	0.000
241	0.17	0.094
Std Dev	0.15	1.000
61	0.15	1.029
61	0.14	1.216
102	0.14	1.338
43	0.13	1.504
43	0.13	1.504

321.00 Acid Soluble Zinc		
Lab	Atomic Absorption	
47	1.12	-2.122
Std Dev	1.09	-1.000
241	1.08	-0.335
Median	1.07	0.000

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65	1.07	0.335
Std Dev	1.05	1.000
95	1.05	1.228

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
64	#####	#####
104	1.31	-3.964
40	1.24	-2.481
110	1.20	-1.642
Std Dev	1.17	-1.000
23	1.17	-0.949
23	1.17	-0.838
63	1.15	-0.502
9	1.14	-0.279
39	1.14	-0.279
24	1.14	-0.168
38	1.13	-0.056
66	1.13	-0.056
Median	1.13	0.000
63	1.13	0.056
103	1.11	0.391
96	1.10	0.614
87	1.10	0.715
24	1.10	0.726
99	1.10	0.726
270	1.09	0.837
Std Dev	1.08	1.000
44	1.08	1.173
102	1.06	1.416
124	1.02	2.401
61	0.99	3.071
61	0.94	4.188

321.99 Acid Soluble Zinc		
Lab		Other
43	1.15	0.000
43	1.15	0.000
Median	1.15	0.000

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
64	#####	#####
104	1.31	-3.623

40	1.24	-2.305
110	1.20	-1.558
Std Dev	1.17	-1.000
23	1.17	-0.943
23	1.17	-0.844
43	1.15	-0.546
43	1.15	-0.546
63	1.15	-0.546
9	1.14	-0.347
39	1.14	-0.347
24	1.14	-0.248
38	1.13	-0.149
66	1.13	-0.149
63	1.13	-0.050
Median	1.12	0.000
47	1.12	0.050
103	1.11	0.248
96	1.10	0.447
87	1.10	0.536
24	1.10	0.546
99	1.10	0.546
270	1.09	0.645
241	1.08	0.844
44	1.08	0.943
Std Dev	1.07	1.000
65	1.07	1.141
102	1.06	1.159
95	1.05	1.539
124	1.02	2.035
61	0.99	2.630
61	0.94	3.623

325.00 Fluoride		
Lab		Volumetric
9	1.75	0.000
Median	1.75	0.000

325.10 Fluoride		
Lab	%	Electrode
32	2.00	-1.700
220	1.83	-0.588
23	1.82	-0.523
24	1.81	-0.458
23	1.76	-0.163

34	1.76	-0.163
31	1.74	0.000
102	1.74	0.000
Median	1.74	0.000
24	1.70	0.261
270	1.60	0.882
14	1.50	1.569
14	1.43	1.994
124	1.06	4.445

325.99 Fluoride		
Lab	%	Other
61	1.86	-1.340
Median	1.83	0.000
61	1.81	1.340

325.XX Fluoride		
Lab	%	Total Method
32	2.00	-2.360
61	1.86	-1.033
220	1.83	-0.688
23	1.82	-0.590
24	1.81	-0.492
61	1.81	-0.492
23	1.76	-0.049
34	1.76	-0.049
Median	1.76	0.000
9	1.75	0.049
31	1.74	0.197
102	1.74	0.197
24	1.70	0.590
270	1.60	1.524
14	1.50	2.557
14	1.43	3.196
124	1.06	6.884