

001.99 Ammoniacal Nitrogen		
Lab		Other
24	17.86	-0.917
23	17.84	-0.564
23	17.83	-0.423
61	17.80	0.000
Median	17.80	0.000
61	17.79	0.141
Std Dev	17.72	1.000
24	17.69	1.552
32	17.64	2.186

001.XX Ammoniacal Nitrogen		
Lab		Total Method
24	17.86	-0.917
23	17.84	-0.564
23	17.83	-0.423
61	17.80	0.000
Median	17.80	0.000
61	17.79	0.141
Std Dev	17.72	1.000
24	17.69	1.552
32	17.64	2.186

010.60 Total Nitrogen		
Lab		Combustion
79	18.09	-1.417
Std Dev	18.06	-1.000
14	18.02	-0.345
14	18.01	-0.268
Median	17.99	0.000
24	17.98	0.268
Std Dev	17.93	1.000
9	17.91	1.263
24	17.91	1.340

010.99 Total Nitrogen		
Lab		Other
32	17.89	0.000
Median	17.89	0.000

010.XX Total Nitrogen		
Lab		Total Method
79	18.09	-1.404

Std Dev	18.05	-1.000
14	18.02	-0.510
14	18.01	-0.447
24	17.98	0.000
Median	17.98	0.000
9	17.91	0.830
24	17.91	0.893
Std Dev	17.90	1.000
32	17.89	1.085

020.20 Total Phosphate		
Lab		Spectrometric
24	46.65	-1.690
Std Dev	46.56	-1.000
61	46.48	-0.330
32	46.48	-0.289
23	46.45	-0.041
24	46.44	0.000
61	46.44	0.000
Median	46.44	0.000
23	46.42	0.165
Std Dev	46.32	1.000
9	46.30	1.154
14	46.30	1.196
14	46.29	1.278
79	46.13	2.556

020.40 Total Phosphate		
Lab		Automated
9	46.32	0.000
Median	46.32	0.000

020.XX Total Phosphate		
Lab		Total Method
24	46.65	-1.874
Std Dev	46.54	-1.000
61	46.48	-0.436
32	46.48	-0.392
23	46.45	-0.131
24	46.44	-0.087
61	46.44	-0.087
Median	46.43	0.000
23	46.42	0.087
9	46.32	0.959

Std Dev	46.32	1.000
9	46.30	1.133
14	46.30	1.177
14	46.29	1.264
79	46.13	2.615

030.20 Insoluble Phosphate		
Lab		Spectrometric
14	0.30	-4.020
14	0.30	-3.921
61	0.17	-1.340
Std Dev	0.15	-1.000
61	0.14	-0.844
23	0.10	-0.050
Median	0.10	0.000
24	0.10	0.050
79	0.10	0.050
23	0.09	0.149
32	0.09	0.149
24	0.08	0.347

030.40 Insoluble Phosphate		
Lab		Automated
9	0.09	0.000
Median	0.09	0.000

030.XX Insoluble Phosphate		
Lab		Total Method
14	0.30	-4.395
14	0.30	-4.288
61	0.17	-1.501
Std Dev	0.14	-1.000
61	0.14	-0.965
23	0.10	-0.107
24	0.10	0.000
79	0.10	0.000
Median	0.10	0.000
9	0.09	0.107
23	0.09	0.107
32	0.09	0.107
24	0.08	0.322

040.20 Indirect Available Phosphate		
Lab		Spectrometric

24	46.55	-0.963
24	46.36	-0.167
23	46.36	-0.147
61	46.34	-0.084
23	46.32	0.000
Median	46.32	0.000
61	46.28	0.188
Std Dev	46.08	1.000
79	46.04	1.193
14	46.00	1.340
14	45.99	1.403

61	46.28	0.188
Std Dev	46.08	1.000
79	46.04	1.193
14	46.00	1.340
14	45.99	1.403

040.40 Indirect Available Phosphate		
Lab		Automated
9	46.21	0.000
Median	46.21	0.000

040.XX Indirect Available Phosphate		
Lab		Total Method
24	46.55	-1.242
Std Dev	46.50	-1.000
24	46.36	-0.307
23	46.36	-0.283
61	46.34	-0.209
23	46.32	-0.111
Median	46.30	0.000
61	46.28	0.111
9	46.21	0.430
Std Dev	46.09	1.000
79	46.04	1.291
14	46.00	1.463
14	45.99	1.537

048.20 Water Soluble Phosphate		
Lab		Spectrometric
24	42.59	-1.614
23	42.54	-1.310
Std Dev	42.48	-1.000
32	42.45	-0.792
9	42.39	-0.396
79	42.39	-0.396
23	42.32	0.000
Median	42.32	0.000
14	42.30	0.122

14	42.25	0.426
Std Dev	42.16	1.000
24	42.15	1.066
61	41.89	2.619
61	41.82	3.076

048.XX Water Soluble Phosphate		
Lab	Total Method	
24	42.59	-1.614
23	42.54	-1.310
Std Dev	42.48	-1.000
32	42.45	-0.792
9	42.39	-0.396
79	42.39	-0.396
23	42.32	0.000
Median	42.32	0.000
14	42.30	0.122
14	42.25	0.426
Std Dev	42.16	1.000
24	42.15	1.066
61	41.89	2.619
61	41.82	3.076

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.14	0.000
23	0.14	0.000
Median	0.14	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
61	0.16	-0.536
61	0.16	-0.536
Median	0.16	0.000
24	0.15	0.536
Std Dev	0.15	1.000
24	0.14	1.608

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
61	0.16	-1.149
61	0.16	-1.149
Std Dev	0.16	-1.000
24	0.15	-0.383

Median	0.15	0.000
23	0.14	0.383
23	0.14	0.383
24	0.14	0.383

060.00 Free Water		
Lab	Vacuum Oven	
24	2.17	-1.082
Std Dev	2.16	-1.000
24	2.13	-0.722
23	2.09	-0.258
23	2.06	0.000
79	2.06	0.000
Median	2.06	0.000
32	2.05	0.103
Std Dev	1.96	1.000
9	1.96	1.082
14	1.73	3.402
14	1.73	3.453

060.10 Free Water		
Lab	Vacuum Desiccate	
61	3.77	-1.340
Std Dev	3.74	-1.000
Median	3.68	0.000
Std Dev	3.62	1.000
61	3.60	1.340

060.XX Free Water		
Lab	Total Method	
61	3.77	-15.757
61	3.60	-14.232
Std Dev	2.17	-1.000
24	2.17	-0.970
24	2.13	-0.647
23	2.09	-0.231
23	2.06	0.000
79	2.06	0.000
Median	2.06	0.000
32	2.05	0.092
9	1.96	0.970
Std Dev	1.95	1.000
14	1.73	3.050
14	1.73	3.096

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
61	0.43	-3.966
61	0.39	-2.251
Std Dev	0.36	-1.000
24	0.36	-0.965
24	0.35	-0.322
23	0.34	-0.107
Median	0.34	0.000
23	0.34	0.107
14	0.33	0.536
14	0.33	0.536
9	0.32	0.750
Std Dev	0.31	1.000
32	0.30	1.822

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
61	0.43	-3.966
61	0.39	-2.251
Std Dev	0.36	-1.000
24	0.36	-0.965
24	0.35	-0.322
23	0.34	-0.107
Median	0.34	0.000
23	0.34	0.107
14	0.33	0.536
14	0.33	0.536
9	0.32	0.750
Std Dev	0.31	1.000
32	0.30	1.822

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
24	0.93	-1.429
Std Dev	0.91	-1.000
24	0.91	-0.715
23	0.90	-0.536
23	0.90	-0.357
61	0.89	0.000
61	0.89	0.000
Median	0.89	0.000
9	0.88	0.179

Std Dev	0.86	1.000
14	0.86	1.072
14	0.85	1.251
32	0.81	2.859

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
24	0.93	-1.429
Std Dev	0.91	-1.000
24	0.91	-0.715
23	0.90	-0.536
23	0.90	-0.357
61	0.89	0.000
61	0.89	0.000
Median	0.89	0.000
9	0.88	0.179
Std Dev	0.86	1.000
14	0.86	1.072
14	0.85	1.251
32	0.81	2.859

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
61	1.40	-1.340
Std Dev	1.39	-1.000
Median	1.39	0.000
Std Dev	1.39	1.000
61	1.39	1.340

144.70 Sulfur		
Lab	Spectrometric	
14	1.51	-1.340
Std Dev	1.50	-1.000
Median	1.50	0.000
Std Dev	1.50	1.000
14	1.50	1.340

144.99 Sulfate Sulfur (S)		
Lab	Other	
9	4.49	-3.295
32	3.12	-1.770
Std Dev	2.42	-1.000
23	1.53	0.000
24	1.53	0.000

Median	1.53	0.000
24	1.51	0.017
23	1.51	0.022

144.XX	Sulfate Sulfur (S)	
Lab	Total Method	
9	4.49	-145.085
32	3.12	-78.329
Std Dev	1.53	-1.000
23	1.53	-0.853
24	1.53	-0.853
24	1.51	-0.122
Median	1.51	0.000
14	1.51	0.122
23	1.51	0.122
14	1.50	0.609
Std Dev	1.49	1.000
61	1.40	5.482
61	1.39	5.969

151.30	Total Arsenic	
Lab	ICP	
24	10.10	-0.643
9	10.00	-0.626
Median	6.25	0.000
61	2.50	0.626
61	0.50	0.960

151.XX	Total Arsenic	
Lab	Total Method	
24	10.10	-0.643
9	10.00	-0.626
Median	6.25	0.000
61	2.50	0.626
61	0.50	0.960

165.99	Acid Soluble Boron	
Lab	PPM	Other
24	36.10	0.000
Median	36.10	0.000

65.XX, ppm	Acid Soluble Boron	
Lab	PPM	Total Method
24	36.10	0.000

Median	36.10	0.000
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181.30	Total Cadmium	
Lab	PPM	ICP
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
Std Dev	3.63	1.000
9	3.00	2.680

181.99	Total Cadmium	
Lab	Other	
24	3.89	0.000
Median	3.89	0.000

181.XX	Total Cadmium	
Lab	PPM	Total Method
61	4.00	-0.222
61	4.00	-0.222
Median	3.95	0.000
24	3.89	0.222
Std Dev	3.70	1.000
9	3.00	3.808

190.00	Aluminum	
Lab	%Al ₂ O ₃	ICP
9	1.54	-1.149
Std Dev	1.53	-1.000
14	1.53	-0.766
24	1.53	-0.766
23	1.53	-0.383
14	1.52	0.000
24	1.52	0.000
Median	1.52	0.000
61	1.52	0.383
23	1.51	0.766
Std Dev	1.51	1.000
61	1.47	3.829
32	1.43	6.891

190.XX	Aluminum	
Lab	%Al ₂ O ₃	Total Method
9	1.54	-1.149
Std Dev	1.53	-1.000

14	1.53	-0.766
24	1.53	-0.766
23	1.53	-0.383
14	1.52	0.000
24	1.52	0.000
Median	1.52	0.000
61	1.52	0.383
23	1.51	0.766
Std Dev	1.51	1.000
61	1.47	3.829
32	1.43	6.891

191.30	Total Chromium	
Lab	ICP	
61	85.00	-2.144
Std Dev	83.93	-1.000
61	83.00	0.000
Median	83.00	0.000
9	82.50	0.536

191.99	Total Chromium	
Lab	PPM	Other
24	69.90	0.000
Median	69.90	0.000

191.XX	Total Chromium	
Lab	PPM	Total Method
61	85.00	-0.727
61	83.00	-0.081
Median	82.75	0.000
9	82.50	0.081
Std Dev	79.65	1.000
24	69.90	4.149

202.30	Acid Soluble Cobalt	
Lab	PPM	ICP
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000

202.99	Acid Soluble Cobalt	
Lab	Other	
24	2.56	0.000
Median	2.56	0.000

202.XX	Acid Soluble Cobalt	
Lab	PPM	Total Method
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000
Std Dev	2.84	1.000
24	2.56	2.680

221.30	Acid Soluble Copper	
Lab	PPM	ICP
61	4.00	-1.340
Std Dev	3.87	-1.000
Median	3.50	0.000
Std Dev	3.13	1.000
61	3.00	1.340

221.99	Acid Soluble Copper	
Lab	Other	
24	3.15	0.000
Median	3.15	0.000

221.XX	Acid Soluble Copper	
Lab	PPM	Total Method
61	4.00	-2.278
Std Dev	3.52	-1.000
24	3.15	0.000
Median	3.15	0.000
61	3.00	0.402

241.30	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	ICP
24	1.48	-3.474
23	1.42	-1.092
Std Dev	1.42	-1.000
23	1.41	-0.496
24	1.41	-0.496
61	1.40	-0.298
Median	1.39	0.000
61	1.39	0.298
9	1.38	0.695
14	1.37	0.893
Std Dev	1.37	1.000
14	1.36	1.290

32 1.35 1.886

241.XX Lab	%Fe ₂ O ₃	Acid Soluble Iron Total Method
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24	1.48	-3.474
23	1.42	-1.092
Std Dev	1.42	-1.000
23	1.41	-0.496
24	1.41	-0.496
61	1.40	-0.298
Median	1.39	0.000
61	1.39	0.298
9	1.38	0.695
14	1.37	0.893
Std Dev	1.37	1.000
14	1.36	1.290
32	1.35	1.886

251.30 Lab	PPM	Total Lead ICP
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61	2.50	-1.340
Std Dev	2.44	-1.000
Median	2.25	0.000
Std Dev	2.06	1.000
61	2.00	1.340

251.99 Lab	PPM	Total Lead Other
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24	1.83	0.000
Median	1.83	0.000

251.XX Lab	PPM	Total Lead Total Method
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61	2.50	-2.000
Std Dev	2.25	-1.000
61	2.00	0.000
Median	2.00	0.000
24	1.83	0.680

261.30 Lab	PPM	Acid Soluble Manganese ICP
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9	334.00	0.000
Median	334.00	0.000

261.99 Lab	PPM	Acid Soluble Manganese Other
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61	338.50	-0.317
61	333.00	0.000
Median	333.00	0.000
Std Dev	315.65	1.000
24	292.00	2.363

261.XX Lab	PPM	Acid Soluble Manganese Total Method
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61	338.50	-0.541
9	334.00	-0.054
Median	333.50	0.000
61	333.00	0.054
Std Dev	324.26	1.000
24	292.00	4.494

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

281.XX Lab	PPM	Total Mercury Total Method
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24	<0.07	0.000
Median	0.00	0.000

289.30 Lab	PPM	Total Molybdenum ICP
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61		
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289.99 Lab	PPM	Total Molybdenum Other
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24	12.90	0.000
Median	12.90	0.000

289.XX Lab	PPM	Total Molybdenum Total Method
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24	12.90	-1.191
Std Dev	12.84	-1.000
61	12.50	0.000
Median	12.50	0.000
Std Dev	12.16	1.000
61	12.00	1.489

291.30 Lab	PPM	Total Nickel ICP
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61	14.50	-2.680
Std Dev	14.19	-1.000
9	14.00	0.000
61	14.00	0.000
Median	14.00	0.000

291.99 Lab	PPM	Total Nickel Other
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24	9.92	0.000
Median	9.92	0.000

291.XX Lab	PPM	Total Nickel Total Method
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61	14.50	-0.585
9	14.00	0.000
61	14.00	0.000
Median	14.00	0.000
Std Dev	13.15	1.000
24	9.92	4.775

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

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

311.00 Lab	%Na ₂ O	Sodium Atomic Absorbtion
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61	0.23	0.000
Median	0.23	0.000

311.99 Lab	%Na ₂ O	Sodium Other
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61	0.23	-0.536
24	0.23	-0.536
24	0.22	0.000

Median	0.22	0.000
23	0.21	0.804
23	0.21	0.804

311.XX Lab	%Na ₂ O	Sodium Total Method
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61	0.23	-0.315
24	0.23	-0.315
61	0.23	-0.315
Median	0.23	0.000
24	0.22	0.315
Std Dev	0.21	1.000
23	0.21	1.261
23	0.21	1.261

321.30 Lab	PPM	Acid Soluble Zinc ICP
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24	67.80	-2.247
Std Dev	63.19	-1.000
61	59.50	0.000
61	59.50	0.000
Median	59.50	0.000
Std Dev	55.81	1.000
9	48.00	3.113

321.XX Lab	PPM	Acid Soluble Zinc Total Method
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24	67.80	-2.247
Std Dev	63.19	-1.000
61	59.50	0.000
61	59.50	0.000
Median	59.50	0.000
Std Dev	55.81	1.000
9	48.00	3.113

325.10 Lab	%	Fluoride Electrode
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23	2.14	-0.126
32	2.13	-0.076
23	2.13	-0.025
Median	2.12	0.000
24	2.12	0.025
24	1.96	1.694
14	1.86	2.655

325.30		Fluoride
Lab		Distilled/Electrode
9	2.10	0.000
Median	2.10	0.000

325.99		Fluoride
Lab	%	Other
61	2.15	-1.011
61	2.05	0.000
Median	2.05	0.000
14	1.88	1.669

325.XX		Fluoride
Lab	%	Total Method
61	2.15	-0.310
23	2.14	-0.221
32	2.13	-0.177
23	2.13	-0.133
24	2.12	-0.089
Median	2.11	0.000
9	2.10	0.089
61	2.05	0.576
24	1.96	1.373
14	1.88	2.038
14	1.86	2.215