

001.99 Ammoniacal Nitrogen		
Lab		Other
23	11.92	-1.282
Std Dev	11.91	-1.000
61	11.91	-0.932
23	11.90	-0.816
34	11.88	-0.350
Median	11.87	0.000
61	11.85	0.350
79	11.85	0.350
24	11.83	0.932
Std Dev	11.82	1.000
24	11.74	3.030

001.XX Ammoniacal Nitrogen		
Lab		Total Method
23	11.92	-1.282
Std Dev	11.91	-1.000
61	11.91	-0.932
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34	11.88	-0.350
Median	11.87	0.000
61	11.85	0.350
79	11.85	0.350
24	11.83	0.932
Std Dev	11.82	1.000
24	11.74	3.030

010.60 Total Nitrogen		
Lab		Combustion
9	12.01	-2.109
Std Dev	11.95	-1.000
79	11.91	-0.351
Median	11.89	0.000
14	11.87	0.351
Std Dev	11.83	1.000
14	11.83	1.142

010.XX Total Nitrogen		
Lab		Total Method
9	12.01	-2.109
Std Dev	11.95	-1.000
79	11.91	-0.351
Median	11.89	0.000

14	11.87	0.351
Std Dev	11.83	1.000
14	11.83	1.142

020.20 Total Phosphate		
Lab		Spectrometric
79	40.76	-1.340
9	40.75	-1.149
Std Dev	40.74	-1.000
61	40.73	-0.766
24	40.72	-0.479
61	40.71	-0.287
24	40.69	0.000
34	40.69	0.000
Median	40.69	0.000
23	40.68	0.287
Std Dev	40.64	1.000
23	40.63	1.149
14	40.42	5.264
14	40.37	6.126

020.50 Total Phosphate		
Lab		ICP
9	40.57	0.000
Median	40.57	0.000

020.XX Total Phosphate		
Lab		Total Method
79	40.76	-0.904
9	40.75	-0.775
61	40.73	-0.517
24	40.72	-0.323
61	40.71	-0.194
24	40.69	0.000
34	40.69	0.000
Median	40.69	0.000
23	40.68	0.194
23	40.63	0.775
Std Dev	40.61	1.000
9	40.57	1.550
14	40.42	3.552
14	40.37	4.133

030.20 Insoluble Phosphate		
Lab		Spectrometric
14	1.19	-5.969
14	1.18	-5.847
Std Dev	0.78	-1.000
24	0.75	-0.670
61	0.72	-0.244
79	0.70	0.000
Median	0.70	0.000
61	0.66	0.426
24	0.64	0.670
Std Dev	0.61	1.000
23	0.55	1.827
23	0.53	2.010

030.40 Insoluble Phosphate		
Lab		Automated
34	0.66	0.000
Median	0.66	0.000

030.50 Insoluble Phosphate		
Lab		ICP
9	0.66	0.000
Median	0.66	0.000

030.XX Insoluble Phosphate		
Lab		Total Method
14	1.19	-8.527
14	1.18	-8.365
24	0.75	-1.462
Std Dev	0.72	-1.000
61	0.72	-0.893
79	0.70	-0.568
34	0.66	0.000
61	0.66	0.000
Median	0.66	0.000
9	0.66	0.000
24	0.64	0.325
Std Dev	0.60	1.000
23	0.55	1.868
23	0.53	2.112

040.20 Indirect Available Phosphate		
Lab		Spectrometric

23	40.13	-1.025
Std Dev	40.13	-1.000
23	40.10	-0.552
24	40.08	-0.158
61	40.07	-0.079
79	40.07	0.000
Median	40.07	0.000
24	40.01	0.867
Std Dev	40.00	1.000
61	39.99	1.182
14	39.24	13.006
14	39.19	13.873

040.50 Indirect Available Phosphate		
Lab		ICP
9	40.01	0.000
Median	40.01	0.000

040.99 Indirect Available Phosphate		
Lab		Other
34	40.03	0.000
Median	40.03	0.000

040.XX Indirect Available Phosphate		
Lab		Total Method
23	40.13	-1.787
23	40.10	-1.251
Std Dev	40.09	-1.000
24	40.08	-0.804
61	40.07	-0.715
79	40.07	-0.625
34	40.03	0.000
Median	40.03	0.000
24	40.01	0.357
9	40.01	0.447
61	39.99	0.715
Std Dev	39.97	1.000
14	39.24	14.115
14	39.19	15.097

048.20 Water Soluble Phosphate		
Lab		Spectrometric
61	35.70	-1.199
Std Dev	35.65	-1.000

24	35.63	-0.893
61	35.61	-0.799
79	35.46	-0.071
23	35.44	0.000
Median	35.44	0.000
23	35.34	0.470
24	35.33	0.541
Std Dev	35.23	1.000
14	35.14	1.411
14	35.10	1.622

048.99 Water Soluble Phosphate		
Lab		Other
9	35.23	-1.340
Std Dev	35.22	-1.000
Median	35.21	0.000
Std Dev	35.20	1.000
34	35.20	1.340

048.XX Water Soluble Phosphate		
Lab		Total Method
61	35.70	-1.487
24	35.63	-1.214
61	35.61	-1.131
Std Dev	35.58	-1.000
79	35.46	-0.482
23	35.44	-0.419
23	35.34	0.000
Median	35.34	0.000
24	35.33	0.063
9	35.23	0.482
34	35.20	0.586
14	35.14	0.838
Std Dev	35.10	1.000
14	35.10	1.026

050.50 %K ₂ O Soluble Potash		
Lab		ICP(Oxalate)
23	0.12	0.000
23	0.12	0.000
Median	0.12	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other

24	0.13	0.000
61	0.13	0.000
Median	0.13	0.000
Std Dev	0.13	1.000
24	0.12	2.680

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
24	0.13	-1.340
61	0.13	-1.340
Std Dev	0.13	-1.000
23	0.12	0.000
23	0.12	0.000
24	0.12	0.000
Median	0.12	0.000

060.00 Free Water		
Lab		Vacuum Oven
24	0.88	-6.365
24	0.70	-2.457
79	0.64	-1.117
Std Dev	0.63	-1.000
14	0.62	-0.558
23	0.59	0.000
23	0.59	0.000
Median	0.59	0.000
14	0.58	0.223
Std Dev	0.55	1.000
9	0.51	1.787
34	0.50	2.010

060.10 Free Water		
Lab		Vacuum Desiccate
61	0.65	-1.340
Std Dev	0.64	-1.000
Median	0.63	0.000
Std Dev	0.62	1.000
61	0.62	1.340

060.XX Free Water		
Lab		Total Method
24	0.88	-6.059
24	0.70	-1.981
Std Dev	0.66	-1.000

61	0.65	-0.699
79	0.64	-0.583
14	0.62	0.000
61	0.62	0.000
Median	0.62	0.000
23	0.59	0.583
23	0.59	0.583
14	0.58	0.816
Std Dev	0.57	1.000
9	0.51	2.447
34	0.50	2.680

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
61	0.49	-3.327
34	0.43	-1.109
Std Dev	0.43	-1.000
23	0.42	-0.554
23	0.41	-0.185
Median	0.40	0.000
14	0.40	0.185
14	0.39	0.370
Std Dev	0.37	1.000
24	0.36	1.479
24	0.34	2.403

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
61	0.49	-3.327
34	0.43	-1.109
Std Dev	0.43	-1.000
23	0.42	-0.554
23	0.41	-0.185
Median	0.40	0.000
14	0.40	0.185
14	0.39	0.370
Std Dev	0.37	1.000
24	0.36	1.479
24	0.34	2.403

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
34	0.87	-1.843
24	0.87	-1.508

Std Dev	0.86	-1.000
23	0.85	-0.167
23	0.85	-0.167
Median	0.84	0.000
24	0.84	0.168
61	0.84	0.168
Std Dev	0.83	1.000
14	0.80	2.848
14	0.80	2.848

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
34	0.87	-1.843
24	0.87	-1.508
Std Dev	0.86	-1.000
23	0.85	-0.167
23	0.85	-0.167
Median	0.84	0.000
24	0.84	0.168
61	0.84	0.168
Std Dev	0.83	1.000
14	0.80	2.848
14	0.80	2.848

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	8.94	0.000
Median	8.94	0.000

144.70 Sulfur		
Lab		Spectrometric
14	7.85	-1.340
Std Dev	7.84	-1.000
Median	7.84	0.000
Std Dev	7.84	1.000
14	7.84	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
24	5.31	-1.206
24	5.30	-1.072
Std Dev	5.30	-1.000
34	5.26	0.000
Median	5.26	0.000

23 5.25 0.268
 23 5.25 0.402

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
61	8.94	-1.887
14	7.85	-1.319
14	7.84	-1.316
Std Dev	7.23	-1.000
24	5.31	-0.001
Median	5.30	0.000
24	5.30	0.001
34	5.26	0.022
23	5.25	0.027
23	5.25	0.030

145.99 Total Sulfur (S)		
Lab	Other	
23	10.36	-0.536
23	10.34	0.000
Median	10.34	0.000
Std Dev	10.31	1.000
34	10.28	2.144

145.XX Total Sulfur (S)		
Lab	Total Method	
23	10.36	-0.536
23	10.34	0.000
Median	10.34	0.000
Std Dev	10.31	1.000
34	10.28	2.144

151.30 Total Arsenic		
Lab	ICP	
24	7.65	-0.123
9	7.30	0.000
Median	7.30	0.000
Std Dev	4.45	1.000
61	0.00	2.557

151.XX Total Arsenic		
Lab	Total Method	
24	7.65	-0.123
9	7.30	0.000

Median 7.30 0.000
 Std Dev 4.45 1.000
 61 0.00 2.557

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	39.90	0.000
Median	39.90	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	39.90	0.000
Median	39.90	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
9	3.20	-1.340
Std Dev	3.17	-1.000
Median	3.10	0.000
Std Dev	3.03	1.000
61	3.00	1.340

181.99 Total Cadmium		
Lab	Other	
24	3.54	0.000
Median	3.54	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
24	3.54	-1.687
Std Dev	3.40	-1.000
9	3.20	0.000
Median	3.20	0.000
61	3.00	0.993

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
14	1.45	-2.207
14	1.45	-1.892
Std Dev	1.43	-1.000
23	1.42	-0.315
23	1.42	-0.315
Median	1.42	0.000
34	1.41	0.315

61 1.41 0.315
 Std Dev 1.40 1.000
 24 1.39 1.576
 24 1.34 5.045

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
14	1.45	-2.207
14	1.45	-1.892
Std Dev	1.43	-1.000
23	1.42	-0.315
23	1.42	-0.315
Median	1.42	0.000
34	1.41	0.315
61	1.41	0.315
Std Dev	1.40	1.000
24	1.39	1.576
24	1.34	5.045

191.30 Total Chromium		
Lab	ICP	
9	70.00	-1.340
Std Dev	69.68	-1.000
Median	68.75	0.000
Std Dev	67.82	1.000
61	67.50	1.340

191.99 Total Chromium		
Lab	PPM	Other
24	63.55	0.000
Median	63.55	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
9	70.00	-1.039
Std Dev	69.91	-1.000
61	67.50	0.000
Median	67.50	0.000
Std Dev	65.09	1.000
24	63.55	1.641

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
61	3.50	-1.340

Std Dev 3.44 -1.000
 Median 3.25 0.000
 Std Dev 3.06 1.000
 9 3.00 1.340

202.99 Acid Soluble Cobalt		
Lab	Other	
24	2.91	0.000
Median	2.91	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
61	3.50	-2.271
Std Dev	3.22	-1.000
9	3.00	0.000
Median	3.00	0.000
24	2.91	0.409

221.30 Acid Soluble Copper		
Lab	PPM	ICP
61	0.00	0.000
Median	0.00	0.000

221.99 Acid Soluble Copper		
Lab	Other	
24	6.22	0.000
Median	6.22	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
24	6.22	-1.340
Std Dev	5.43	-1.000
Median	3.11	0.000
Std Dev	0.79	1.000
61	0.00	1.340

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
24	1.53	-3.103
34	1.50	-1.411
Std Dev	1.49	-1.000
61	1.49	-0.564
23	1.48	-0.282
Median	1.48	0.000

24	1.47	0.282
14	1.47	0.564
14	1.47	0.564
23	1.47	0.564

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
24	1.53	-3.103
34	1.50	-1.411
Std Dev	1.49	-1.000
61	1.49	-0.564
23	1.48	-0.282
Median	1.48	0.000
24	1.47	0.282
14	1.47	0.564
14	1.47	0.564
23	1.47	0.564

251.30 Total Lead		
Lab	PPM	ICP
61	0.00	0.000
Median	0.00	0.000

251.99 Total Lead		
Lab		Other
24	2.11	0.000
Median	2.11	0.000

251.XX Total Lead		
Lab	PPM	Total Method
24	2.11	-1.340
Std Dev	1.84	-1.000
Median	1.05	0.000
Std Dev	0.27	1.000
61	0.00	1.340

261.30 Acid Soluble Manganese		
Lab		ICP
9	286.50	0.000
Median	286.50	0.000

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	276.50	-1.340

Std Dev	274.28	-1.000
Median	267.75	0.000
Std Dev	261.22	1.000
24	259.00	1.340

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
9	286.50	-0.975
61	276.50	0.000
Median	276.50	0.000
Std Dev	266.24	1.000
24	259.00	1.705

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

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

289.30 Total Molybdenum		
Lab	PPM	ICP
9		

289.99 Total Molybdenum		
Lab	PPM	Other
24	12.75	0.000
Median	12.75	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
24	12.75	-1.668
Std Dev	12.19	-1.000
9	11.35	0.000
Median	11.35	0.000
Std Dev	10.51	1.000
61	10.50	1.012

291.30 Total Nickel		
Lab		ICP
9	15.00	0.000
61	15.00	0.000

Median	15.00	0.000
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291.99 Total Nickel		
Lab	PPM	Other
24	15.30	0.000
Median	15.30	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
24	15.30	-2.680
Std Dev	15.11	-1.000
9	15.00	0.000
61	15.00	0.000
Median	15.00	0.000

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

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

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbtion
61	0.18	0.000
Median	0.18	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
24	0.18	-0.596
24	0.18	-0.596
Median	0.18	0.000
23	0.17	0.596
Std Dev	0.17	1.000
23	0.17	1.191

311.XX Sodium		
Lab	%Na ₂ O	Total Method
24	0.18	0.000

24	0.18	0.000
61	0.18	0.000
Median	0.18	0.000
Std Dev	0.17	1.000
23	0.17	1.340
23	0.17	2.010

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
34	1.14	-0.893
23	1.14	-0.744
23	1.13	-0.596
24	1.11	0.000
Median	1.11	0.000
24	1.10	0.447
61	1.08	0.893
Std Dev	1.08	1.000
9	0.94	5.062

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
34	1.14	-0.893
23	1.14	-0.744
23	1.13	-0.596
24	1.11	0.000
Median	1.11	0.000
24	1.10	0.447
61	1.08	0.893
Std Dev	1.08	1.000
9	0.94	5.062

325.10 Fluoride		
Lab	%	Electrode
23	1.83	-0.807
23	1.81	-0.685
9	1.75	-0.320
34	1.75	-0.320
Median	1.70	0.000
24	1.65	0.320
24	1.60	0.594
14	1.38	1.934
14	1.38	1.964

325.99		Fluoride
Lab	%	Other
61	1.81	-1.340
Median	1.77	0.000
61	1.73	1.340

325.XX		Fluoride
Lab	%	Total Method
23	1.83	-0.670
23	1.81	-0.521
61	1.81	-0.484
9	1.75	-0.074
34	1.75	-0.074
Median	1.74	0.000
61	1.73	0.074
24	1.65	0.707
24	1.60	1.042
14	1.38	2.680
14	1.38	2.717