

001.99 Ammoniacal Nitrogen		
Lab		Other
31	17.49	-1.005
Std Dev	17.49	-1.000
32	17.48	-0.670
79	17.48	-0.670
Median	17.46	0.000
34	17.44	0.670
24	17.44	0.670
Std Dev	17.43	1.000
24	17.28	6.197

001.XX Ammoniacal Nitrogen		
Lab		Total Method
31	17.49	-1.005
Std Dev	17.49	-1.000
32	17.48	-0.670
79	17.48	-0.670
Median	17.46	0.000
34	17.44	0.670
24	17.44	0.670
Std Dev	17.43	1.000
24	17.28	6.197

010.11 Total Nitrogen		
Lab		Modified Comprehensive
61	18.17	-1.340
Std Dev	18.16	-1.000
Median	18.11	0.000
Std Dev	18.07	1.000
61	18.06	1.340

010.60 Total Nitrogen		
Lab		Combustion
31	18.40	-2.680
9	18.23	-1.072
Std Dev	18.22	-1.000
79	18.16	-0.341
24	18.12	0.000
Median	18.12	0.000
14	18.07	0.536
14	18.05	0.731
Std Dev	18.02	1.000
24	18.01	1.121

010.99 Total Nitrogen		
Lab		Other
32	18.07	-1.462
Std Dev	18.07	-1.000
23	18.06	-0.487
Median	18.06	0.000
34	18.05	0.487
23	18.05	0.975

010.XX Total Nitrogen		
Lab		Total Method
31	18.40	-4.211
9	18.23	-2.106
61	18.17	-1.340
79	18.16	-1.149
Std Dev	18.14	-1.000
24	18.12	-0.702
32	18.07	-0.064
14	18.07	0.000
Median	18.07	0.000
23	18.06	0.064
61	18.06	0.128
34	18.05	0.191
14	18.05	0.255
23	18.05	0.255
24	18.01	0.766

020.20 Total Phosphate		
Lab		Spectrometric
31	46.74	-1.571
61	46.74	-1.571
Std Dev	46.68	-1.000
9	46.67	-0.924
61	46.65	-0.693
24	46.61	-0.323
14	46.59	-0.139
14	46.57	0.000
Median	46.57	0.000
32	46.55	0.185
23	46.53	0.370
34	46.50	0.647
23	46.48	0.832
Std Dev	46.46	1.000

79	46.31	2.403
24	46.24	3.050

020.50 Total Phosphate		
Lab		ICP
9	46.50	0.000
Median	46.50	0.000

020.XX Total Phosphate		
Lab		Total Method
31	46.74	-1.738
61	46.74	-1.738
9	46.67	-1.062
Std Dev	46.66	-1.000
61	46.65	-0.821
24	46.61	-0.435
14	46.59	-0.241
14	46.57	-0.097
Median	46.56	0.000
32	46.55	0.097
23	46.53	0.290
34	46.50	0.579
9	46.50	0.628
23	46.48	0.773
Std Dev	46.46	1.000
79	46.31	2.414
24	46.24	3.090

030.20 Insoluble Phosphate		
Lab		Spectrometric
14	0.64	-6.432
14	0.54	-3.752
Std Dev	0.44	-1.000
31	0.41	-0.268
61	0.41	-0.268
61	0.41	-0.134
32	0.40	0.000
Median	0.40	0.000
23	0.38	0.536
24	0.38	0.670
Std Dev	0.36	1.000
79	0.35	1.474
23	0.33	2.010
24	0.27	3.484

030.40 Insoluble Phosphate		
Lab		Automated
34	0.36	0.000
Median	0.36	0.000

030.50 Insoluble Phosphate		
Lab		ICP
9	0.38	0.000
Median	0.38	0.000

030.XX Insoluble Phosphate		
Lab		Total Method
14	0.64	-6.968
14	0.54	-4.288
Std Dev	0.42	-1.000
31	0.41	-0.804
61	0.41	-0.804
61	0.41	-0.670
32	0.40	-0.536
23	0.38	0.000
Median	0.38	0.000
9	0.38	0.134
24	0.38	0.134
34	0.36	0.536
79	0.35	0.938
Std Dev	0.34	1.000
23	0.33	1.474
24	0.27	2.948

040.20 Indirect Available Phosphate		
Lab		Spectrometric
24	46.34	-0.804
31	46.33	-0.782
61	46.33	-0.782
9	46.28	-0.558
61	46.24	-0.380
23	46.16	0.000
Median	46.16	0.000
23	46.15	0.022
14	46.05	0.491
79	45.97	0.849
Std Dev	45.93	1.000
14	45.93	1.005

24 45.87 1.295

040.50 Indirect Available Phosphate		
Lab	ICP	
9	46.12	0.000
Median	46.12	0.000

040.99 Indirect Available Phosphate		
Lab	Other	
34	46.13	0.000
Median	46.13	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	
24	46.34	-1.055
31	46.33	-1.026
61	46.33	-1.026
Std Dev	46.33	-1.000
9	46.28	-0.741
61	46.24	-0.513
23	46.16	-0.029
23	46.15	0.000
Median	46.15	0.000
34	46.13	0.114
9	46.12	0.171
14	46.05	0.599
Std Dev	45.97	1.000
79	45.97	1.055
14	45.93	1.254
24	45.87	1.625

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
32	41.89	-1.936
Std Dev	41.70	-1.000
31	41.70	-0.993
24	41.62	-0.596
23	41.62	-0.596
23	41.55	-0.223
79	41.50	0.000
Median	41.50	0.000
24	41.44	0.323
14	41.36	0.720
14	41.35	0.769

Std Dev	41.30	1.000
61	41.20	1.514
61	40.96	2.680

048.99 Water Soluble Phosphate		
Lab	Other	
9	41.71	-1.340
Std Dev	41.65	-1.000
Median	41.51	0.000
Std Dev	41.36	1.000
34	41.31	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
32	41.89	-1.900
Std Dev	41.71	-1.000
9	41.71	-0.999
31	41.70	-0.975
24	41.62	-0.585
23	41.62	-0.585
23	41.55	-0.219
79	41.50	0.000
Median	41.50	0.000
24	41.44	0.317
14	41.36	0.707
14	41.35	0.755
34	41.31	0.926
Std Dev	41.29	1.000
61	41.20	1.486
61	40.96	2.631

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.11	-1.340
Std Dev	0.10	-1.000
Median	0.10	0.000
Std Dev	0.10	1.000
23	0.10	1.340

050.99 %K ₂ O Soluble Potash		
Lab	Other	
24	0.11	-0.536
61	0.11	-0.536
Median	0.11	0.000

24	0.11	0.536
Std Dev	0.10	1.000
61	0.10	1.608

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
24	0.11	-0.893
61	0.11	-0.893
23	0.11	0.000
24	0.11	0.000
Median	0.11	0.000
23	0.10	0.893
61	0.10	0.893

060.00 Free Water		
Lab	Vacuum Oven	
31	2.30	-5.566
32	2.10	-1.340
Std Dev	2.08	-1.000
24	2.07	-0.722
24	2.06	-0.515
79	2.05	-0.412
14	2.03	0.000
Median	2.03	0.000
14	2.01	0.412
23	2.01	0.412
Std Dev	1.98	1.000
23	1.98	1.031
9	1.73	6.185
34	1.72	6.391

060.10 Free Water		
Lab	Vacuum Desiccate	
61	3.88	-1.340
Std Dev	3.86	-1.000
Median	3.81	0.000
Std Dev	3.76	1.000
61	3.74	1.340

060.XX Free Water		
Lab	Total Method	
61	3.88	-28.771
61	3.74	-26.642
31	2.30	-3.941

Std Dev	2.11	-1.000
32	2.10	-0.709
24	2.07	-0.236
24	2.06	-0.079
79	2.05	0.000
Median	2.05	0.000
14	2.03	0.315
14	2.01	0.631
23	2.01	0.631
Std Dev	1.99	1.000
23	1.98	1.104
9	1.73	5.045
34	1.72	5.202

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
24	0.27	-3.722
34	0.23	-1.638
Std Dev	0.22	-1.000
31	0.22	-0.744
24	0.21	-0.447
23	0.21	-0.149
61	0.21	-0.149
Median	0.20	0.000
23	0.20	0.149
14	0.19	0.744
14	0.19	0.744
Std Dev	0.19	1.000
32	0.19	1.042
9	0.18	1.340
61	0.18	1.340

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
24	0.27	-3.722
34	0.23	-1.638
Std Dev	0.22	-1.000
31	0.22	-0.744
24	0.21	-0.447
23	0.21	-0.149
61	0.21	-0.149
Median	0.20	0.000
23	0.20	0.149
14	0.19	0.744

14	0.19	0.744
Std Dev	0.19	1.000
32	0.19	1.042
9	0.18	1.340
61	0.18	1.340

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
9	1.73	-11.090
Std Dev	1.18	-1.000
24	1.16	-0.647
24	1.16	-0.554
23	1.15	-0.370
23	1.14	-0.277
34	1.14	-0.277
Median	1.13	0.000
14	1.11	0.277
14	1.11	0.370
31	1.09	0.739
Std Dev	1.07	1.000
61	1.05	1.479
61	1.02	1.941
32	0.97	2.865

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
9	1.73	-11.090
Std Dev	1.18	-1.000
24	1.16	-0.647
24	1.16	-0.554
23	1.15	-0.370
23	1.14	-0.277
34	1.14	-0.277
Median	1.13	0.000
14	1.11	0.277
14	1.11	0.370
31	1.09	0.739
Std Dev	1.07	1.000
61	1.05	1.479
61	1.02	1.941
32	0.97	2.865

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric

61	1.69	-1.340
Std Dev	1.68	-1.000
Median	1.65	0.000
Std Dev	1.61	1.000
61	1.60	1.340

144.70 Sulfur		
Lab		Spectrometric
14	1.66	-1.340
Std Dev	1.66	-1.000
Median	1.66	0.000
Std Dev	1.66	1.000
14	1.66	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
23	1.67	-0.429
23	1.66	-0.322
24	1.66	-0.214
34	1.65	-0.107
Median	1.65	0.000
9	1.64	0.107
24	1.62	0.643
Std Dev	1.60	1.000
31	1.53	2.466
32	1.46	3.966

144.XX Sulfate Sulfur (S)		
Lab		Total Method
61	1.69	-1.031
Std Dev	1.69	-1.000
23	1.67	-0.344
14	1.66	-0.206
23	1.66	-0.206
14	1.66	-0.069
24	1.66	-0.069
Median	1.65	0.000
34	1.65	0.069
9	1.64	0.344
Std Dev	1.62	1.000
24	1.62	1.031
61	1.60	1.443
31	1.53	3.367
32	1.46	5.291

151.30 Total Arsenic		
Lab		ICP
24	11.00	-0.684
9	10.85	-0.653
Median	7.68	0.000
61	4.50	0.653
61	4.00	0.756

151.XX Total Arsenic		
Lab		Total Method
24	11.00	-0.684
9	10.85	-0.653
Median	7.68	0.000
61	4.50	0.653
61	4.00	0.756

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	31.70	0.000
Median	31.70	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	31.70	0.000
Median	31.70	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
9	3.35	-1.404
Std Dev	3.27	-1.000
31	3.15	-0.383
Median	3.08	0.000
61	3.00	0.383
Std Dev	2.88	1.000
61	2.75	1.659

181.99 Total Cadmium		
Lab		Other
24	3.45	0.000
Median	3.45	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method

24	3.45	-1.129
Std Dev	3.41	-1.000
9	3.35	-0.766
31	3.15	0.000
Median	3.15	0.000
61	3.00	0.574
Std Dev	2.89	1.000
61	2.75	1.531

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
9	1.73	-1.223
Std Dev	1.72	-1.000
14	1.71	-0.874
14	1.71	-0.874
34	1.68	-0.175
23	1.68	-0.058
24	1.68	-0.058
Median	1.67	0.000
23	1.67	0.058
24	1.67	0.058
31	1.66	0.408
Std Dev	1.63	1.000
61	1.56	2.738
32	1.53	3.437
61	1.53	3.437

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
9	1.73	-1.223
Std Dev	1.72	-1.000
14	1.71	-0.874
14	1.71	-0.874
34	1.68	-0.175
23	1.68	-0.058
24	1.68	-0.058
Median	1.67	0.000
23	1.67	0.058
24	1.67	0.058
31	1.66	0.408
Std Dev	1.63	1.000
61	1.56	2.738
32	1.53	3.437
61	1.53	3.437

191.30 Total Chromium		
Lab	ICP	
9	90.85	-0.963
31	88.50	-0.607
Median	84.50	0.000
61	80.50	0.607
61	79.50	0.758

191.99 Total Chromium		
Lab	PPM	Other
24	81.30	0.000
Median	81.30	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
9	90.85	-1.600
31	88.50	-1.206
Std Dev	87.27	-1.000
24	81.30	0.000
Median	81.30	0.000
61	80.50	0.134
61	79.50	0.302

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
9	2.90	-1.489
Std Dev	2.82	-1.000
61	2.65	0.000
Median	2.65	0.000
Std Dev	2.48	1.000
61	2.45	1.191

202.99 Acid Soluble Cobalt		
Lab	Other	
24	3.01	0.000
Median	3.01	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
24	3.01	-0.945
9	2.90	-0.513
Median	2.78	0.000
61	2.65	0.513

Std Dev	2.53	1.000
61	2.45	1.335

221.30 Acid Soluble Copper		
Lab	PPM	ICP
9	3.05	0.000
61	3.05	0.000
Median	3.05	0.000
Std Dev	2.81	1.000
61	2.40	2.680

221.99 Acid Soluble Copper		
Lab	Other	
24	3.46	0.000
Median	3.46	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
24	3.46	-2.073
Std Dev	3.25	-1.000
9	3.05	0.000
61	3.05	0.000
Median	3.05	0.000
Std Dev	2.85	1.000
61	2.40	3.287

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
24	1.41	-0.503
24	1.41	-0.503
34	1.40	-0.391
14	1.40	-0.279
14	1.40	-0.279
23	1.39	-0.056
Median	1.38	0.000
23	1.38	0.056
9	1.35	0.726
31	1.34	0.949
Std Dev	1.34	1.000
32	1.33	1.284
61	1.28	2.401
61	1.26	2.736

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
24	1.41	-0.503
24	1.41	-0.503
34	1.40	-0.391
14	1.40	-0.279
14	1.40	-0.279
23	1.39	-0.056
Median	1.38	0.000
23	1.38	0.056
9	1.35	0.726
31	1.34	0.949
Std Dev	1.34	1.000
32	1.33	1.284
61	1.28	2.401
61	1.26	2.736

251.30 Total Lead		
Lab	PPM	ICP
61	0.45	-1.340
Std Dev	0.44	-1.000
Median	0.43	0.000
Std Dev	0.41	1.000
61	0.40	1.340

251.99 Total Lead		
Lab	Other	
24	0.85	0.000
Median	0.85	0.000

251.XX Total Lead		
Lab	PPM	Total Method
24	0.85	-2.382
Std Dev	0.62	-1.000
61	0.45	0.000
Median	0.45	0.000
61	0.40	0.298

261.30 Acid Soluble Manganese		
Lab	ICP	
9	334.50	-1.340
Std Dev	332.98	-1.000
Median	328.50	0.000
Std Dev	324.02	1.000

31	322.50	1.340
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261.99 Acid Soluble Manganese		
Lab	PPM	Other
24	305.50	-1.787
Std Dev	301.54	-1.000
61	296.50	0.000
Median	296.50	0.000
61	292.00	0.893

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
9	334.50	-1.495
Std Dev	324.90	-1.000
31	322.50	-0.876
24	305.50	0.000
Median	305.50	0.000
61	296.50	0.464
61	292.00	0.696

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	13.70	0.000
Median	13.70	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
9	14.65	-1.858
Std Dev	14.05	-1.000
24	13.70	-0.500
Median	13.35	0.000

61	13.00	0.500
61	13.00	0.500

291.30 Total Nickel		
Lab		ICP
9	14.55	-2.680
Std Dev	13.58	-1.000
61	13.00	0.000
61	13.00	0.000
Median	13.00	0.000

291.99 Total Nickel		
Lab	PPM	Other
24	14.45	0.000
Median	14.45	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
9	14.55	-0.749
24	14.45	-0.659
Median	13.73	0.000
61	13.00	0.659
61	13.00	0.659

301.30 Total Selenium		
Lab	PPM	ICP
61	<1	0.000
61	<1	0.000
24	<0.50	0.000
Median	0.00	0.000

301.XX Total Selenium		
Lab	PPM	Total Mthod
61	<1	0.000
61	<1	0.000
24	<0.50	0.000
Median	0.00	0.000

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbion
61	0.10	0.000
Median	0.10	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
23	0.13	-1.340
24	0.13	-1.340
Std Dev	0.13	-1.000
23	0.13	0.000
24	0.13	0.000
Median	0.13	0.000
Std Dev	0.12	1.000
61	0.11	4.020

311.XX Sodium		
Lab	%Na ₂ O	Total Method
23	0.13	-0.447
24	0.13	-0.447
23	0.13	0.000
24	0.13	0.000
Median	0.13	0.000
Std Dev	0.11	1.000
61	0.11	1.340
61	0.10	2.233

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
9	59.65	-2.290
Std Dev	51.96	-1.000
61	48.00	-0.336
Median	46.00	0.000
61	44.00	0.336
Std Dev	40.04	1.000
24	39.70	1.057

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
9	59.65	-2.290
Std Dev	51.96	-1.000
61	48.00	-0.336
Median	46.00	0.000
61	44.00	0.336
Std Dev	40.04	1.000
24	39.70	1.057

325.10 Fluoride		
Lab	%	Electrode

24	1.51	-0.893
23	1.51	-0.794
31	1.50	-0.695
32	1.50	-0.695
24	1.47	-0.099
Median	1.47	0.000
34	1.46	0.099
9	1.44	0.496
9	1.43	0.695
23	1.42	0.893
14	1.18	5.658

325.99 Fluoride		
Lab	%	Other
61	1.52	-0.355
61	1.48	0.000
Median	1.48	0.000
14	1.18	2.325

325.XX Fluoride		
Lab	%	Total Method
61	1.52	-0.957
24	1.51	-0.766
23	1.51	-0.670
31	1.50	-0.574
32	1.50	-0.574
61	1.48	-0.096
24	1.47	0.000
Median	1.47	0.000
34	1.46	0.191
9	1.44	0.574
9	1.43	0.766
23	1.42	0.957
14	1.18	5.551
14	1.18	5.551