

001.99 Ammoniacal Nitrogen		
Lab		Other
24	18.70	-1.377
34	18.67	-1.131
Std Dev	18.66	-1.000
61	18.58	-0.246
Median	18.56	0.000
24	18.53	0.246
61	18.51	0.492
Std Dev	18.45	1.000
31	18.03	5.212

001.XX Ammoniacal Nitrogen		
Lab		Total Method
24	18.70	-1.377
34	18.67	-1.131
Std Dev	18.66	-1.000
61	18.58	-0.246
Median	18.56	0.000
24	18.53	0.246
61	18.51	0.492
Std Dev	18.45	1.000
31	18.03	5.212

010.60 Total Nitrogen		
Lab		Combustion
24	18.69	-0.368
9	18.68	-0.263
14	18.66	-0.053
14	18.65	0.000
Median	18.65	0.000
9	18.60	0.525
Std Dev	18.55	1.000
24	18.48	1.839
31	17.75	9.459

010.99 Total Nitrogen		
Lab		Other
34	18.67	-2.531
Std Dev	18.62	-1.000
23	18.59	0.000
Median	18.59	0.000
23	18.58	0.149

010.XX Total Nitrogen		
Lab		Total Method
24	18.69	-0.946
9	18.68	-0.788
34	18.67	-0.709
14	18.66	-0.473
14	18.65	-0.394
Median	18.63	0.000
9	18.60	0.394
23	18.59	0.631
23	18.58	0.709
Std Dev	18.56	1.000
24	18.48	2.365
31	17.75	13.794

020.20 Total Phosphate		
Lab		Spectrometric
31	46.95	-7.912
9	46.83	-4.722
24	46.69	-1.149
Std Dev	46.68	-1.000
23	46.68	-0.893
34	46.65	-0.255
14	46.64	0.000
23	46.64	0.000
Median	46.64	0.000
14	46.64	0.128
24	46.64	0.128
Std Dev	46.60	1.000
9	46.60	1.149
61	46.50	3.573
61	46.48	4.211

020.40 Total Phosphate		
Lab		Automated
9	46.73	0.000
Median	46.73	0.000

020.XX Total Phosphate		
Lab		Total Method
31	46.95	-8.308
9	46.83	-4.958
9	46.73	-2.412
24	46.69	-1.206

Std Dev	46.68	-1.000
23	46.68	-0.938
34	46.65	-0.268
14	46.64	0.000
23	46.64	0.000
Median	46.64	0.000
14	46.64	0.134
24	46.64	0.134
Std Dev	46.60	1.000
9	46.60	1.206
61	46.50	3.752
61	46.48	4.422

030.20 Insoluble Phosphate		
Lab		Spectrometric
31	0.67	-11.199
61	0.14	-1.149
61	0.14	-1.149
Std Dev	0.13	-1.000
14	0.08	0.000
24	0.08	0.000
Median	0.08	0.000
14	0.07	0.191
23	0.07	0.191
23	0.06	0.479
24	0.05	0.574

030.40 Insoluble Phosphate		
Lab		Automated
9	0.14	-2.233
Std Dev	0.10	-1.000
9	0.07	0.000
Median	0.07	0.000
34	0.05	0.447

030.XX Insoluble Phosphate		
Lab		Total Method
31	0.67	-10.201
9	0.14	-1.124
61	0.14	-1.124
61	0.14	-1.124
Std Dev	0.13	-1.000
14	0.08	-0.086
24	0.08	-0.086

Median	0.08	0.000
14	0.07	0.086
23	0.07	0.086
9	0.07	0.173
23	0.06	0.346
24	0.05	0.432
34	0.05	0.432

040.20 Indirect Available Phosphate		
Lab		Spectrometric
24	46.61	-0.233
23	46.61	-0.204
24	46.59	-0.117
23	46.59	-0.087
14	46.57	0.000
Median	46.57	0.000
14	46.56	0.087
Std Dev	46.40	1.000
61	46.36	1.223
61	46.34	1.369
31	46.26	1.806

040.40 Indirect Available Phosphate		
Lab		Automated
9	46.46	0.000
Median	46.46	0.000

040.99 Indirect Available Phosphate		
Lab		Other
9	46.76	-1.340
Std Dev	46.74	-1.000
Median	46.68	0.000
Std Dev	46.62	1.000
34	46.60	1.340

040.XX Indirect Available Phosphate		
Lab		Total Method
9	46.76	-1.439
Std Dev	46.70	-1.000
24	46.61	-0.256
23	46.61	-0.217
34	46.60	-0.177
24	46.59	-0.099
23	46.59	-0.059

Median	46.58	0.000
14	46.57	0.059
14	46.56	0.177
9	46.46	0.966
Std Dev	46.45	1.000
61	46.36	1.714
61	46.34	1.911
31	46.26	2.503

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
9	43.80	-1.202
24	43.73	-1.059
Std Dev	43.70	-1.000
23	43.62	-0.823
23	43.54	-0.670
61	43.28	-0.138
Median	43.21	0.000
24	43.15	0.138
14	42.95	0.547
14	42.94	0.557
61	42.90	0.639
Std Dev	42.72	1.000
31	41.53	3.452

048.99 Water Soluble Phosphate		
Lab	Other	
9	43.98	-1.340
Std Dev	43.91	-1.000
Median	43.70	0.000
Std Dev	43.48	1.000
34	43.41	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
9	43.98	-1.216
Std Dev	43.87	-1.000
9	43.80	-0.871
24	43.73	-0.737
23	43.62	-0.517
23	43.54	-0.373
34	43.41	-0.124
Median	43.35	0.000
61	43.28	0.124

24	43.15	0.383
14	42.95	0.766
14	42.94	0.775
61	42.90	0.852
Std Dev	42.82	1.000
31	41.53	3.484

050.50 %K <sub>2</sub> O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.13	0.000
23	0.13	0.000
Median	0.13	0.000

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O	Other
61	0.15	-1.608
Std Dev	0.14	-1.000
61	0.14	-0.536
Median	0.14	0.000
24	0.13	0.536
24	0.13	0.536

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
61	0.15	-3.573
61	0.14	-1.787
Std Dev	0.14	-1.000
23	0.13	0.000
23	0.13	0.000
24	0.13	0.000
24	0.13	0.000
Median	0.13	0.000

060.00 Free Water		
Lab	Vacuum Oven	
31	1.72	-1.617
Std Dev	1.68	-1.000
23	1.65	-0.510
23	1.63	-0.170
24	1.63	-0.170
14	1.62	0.000
14	1.62	0.000
Median	1.62	0.000
Std Dev	1.56	1.000

9	1.56	1.106
34	1.55	1.191
24	1.51	1.872
9	1.30	5.530

060.10 Free Water		
Lab	Vacuum Desiccate	
61	2.38	-1.340
Std Dev	2.28	-1.000
Median	2.00	0.000
Std Dev	1.71	1.000
61	1.62	1.340

060.XX Free Water		
Lab	Total Method	
61	2.38	-12.534
31	1.72	-1.567
Std Dev	1.68	-1.000
23	1.65	-0.495
23	1.63	-0.165
24	1.63	-0.165
14	1.62	0.000
14	1.62	0.000
Median	1.62	0.000
61	1.62	0.082
Std Dev	1.56	1.000
9	1.56	1.072
34	1.55	1.154
24	1.51	1.814
9	1.30	5.360

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
61	0.30	-2.412
61	0.28	-1.876
31	0.27	-1.519
34	0.26	-1.161
Std Dev	0.26	-1.000
9	0.24	-0.268
24	0.23	-0.089
Median	0.23	0.000
9	0.23	0.089
14	0.23	0.089
14	0.23	0.089

23	0.23	0.089
23	0.20	0.983
24	0.20	0.983

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
61	0.30	-2.412
61	0.28	-1.876
31	0.27	-1.519
34	0.26	-1.161
Std Dev	0.26	-1.000
9	0.24	-0.268
24	0.23	-0.089
Median	0.23	0.000
9	0.23	0.089
14	0.23	0.089
14	0.23	0.089
23	0.23	0.089
23	0.20	0.983
24	0.20	0.983

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
31	1.39	-11.010
24	1.04	-1.014
Std Dev	1.04	-1.000
23	1.04	-0.869
34	1.03	-0.724
23	1.03	-0.579
9	1.01	0.000
9	1.01	0.000
Median	1.01	0.000
61	1.00	0.145
24	0.99	0.435
Std Dev	0.97	1.000
61	0.97	1.014
14	0.96	1.449
14	0.96	1.449

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
31	1.39	-11.010
24	1.04	-1.014
Std Dev	1.04	-1.000

23	1.04	-0.869
34	1.03	-0.724
23	1.03	-0.579
9	1.01	0.000
9	1.01	0.000
Median	1.01	0.000
61	1.00	0.145
24	0.99	0.435
Std Dev	0.97	1.000
61	0.97	1.014
14	0.96	1.449
14	0.96	1.449

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
61	2.16	-1.340
Std Dev	2.16	-1.000
Median	2.15	0.000
Std Dev	2.13	1.000
61	2.13	1.340

144.70 Sulfur		
Lab	Spectrometric	
14	2.37	-1.340
Std Dev	2.36	-1.000
Median	2.36	0.000
Std Dev	2.36	1.000
14	2.36	1.340

144.99 Sulfate Sulfur (S)		
Lab	Other	
9	7.15	-98.335
34	2.43	-1.134
Std Dev	2.42	-1.000
24	2.41	-0.722
9	2.38	-0.103
Median	2.38	0.000
23	2.37	0.103
23	2.36	0.309
Std Dev	2.33	1.000
24	2.32	1.134
31	1.21	24.017

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
9	7.15	-59.614
Std Dev	2.44	-1.000
34	2.43	-0.841
24	2.41	-0.592
9	2.38	-0.218
23	2.37	-0.093
14	2.37	-0.031
Median	2.36	0.000
23	2.36	0.031
14	2.36	0.093
24	2.32	0.530
Std Dev	2.28	1.000
61	2.16	2.524
61	2.13	2.898
31	1.21	14.366

151.30 Total Arsenic		
Lab	ICP	
9	17.00	-0.974
24	15.20	-0.597
Median	12.35	0.000
61	9.50	0.597
61	8.50	0.806

151.XX Total Arsenic		
Lab	Total Method	
9	17.00	-0.974
24	15.20	-0.597
Median	12.35	0.000
61	9.50	0.597
61	8.50	0.806

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	55.70	0.000
Median	55.70	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	55.70	0.000
Median	55.70	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
9	26.00	-2.680
Std Dev	25.69	-1.000
61	25.50	0.000
61	25.50	0.000
Median	25.50	0.000

181.99 Total Cadmium		
Lab	Other	
24	25.80	0.000
Median	25.80	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
9	26.00	-1.340
Std Dev	25.91	-1.000
24	25.80	-0.574
Median	25.65	0.000
61	25.50	0.574
61	25.50	0.574

190.00 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP
31	1.54	-29.703
9	0.91	-1.563
9	0.90	-1.117
Std Dev	0.89	-1.000
14	0.88	-0.223
14	0.88	-0.223
24	0.87	0.000
34	0.87	0.000
Median	0.87	0.000
23	0.86	0.447
23	0.86	0.670
Std Dev	0.85	1.000
61	0.84	1.563
24	0.83	1.787
61	0.82	2.233

190.XX Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method
31	1.54	-29.703
9	0.91	-1.563

9	0.90	-1.117
Std Dev	0.89	-1.000
14	0.88	-0.223
14	0.88	-0.223
24	0.87	0.000
34	0.87	0.000
Median	0.87	0.000
23	0.86	0.447
23	0.86	0.670
Std Dev	0.85	1.000
61	0.84	1.563
24	0.83	1.787
61	0.82	2.233

191.30 Total Chromium		
Lab	ICP	
9	227.50	-0.199
61	224.50	-0.073
Median	222.75	0.000
61	221.00	0.073
Std Dev	198.87	1.000
31	110.00	4.721

191.99 Total Chromium		
Lab	PPM	Other
24	214.00	0.000
Median	214.00	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
9	227.50	-0.830
61	224.50	-0.447
61	221.00	0.000
Median	221.00	0.000
24	214.00	0.893
Std Dev	213.16	1.000
31	110.00	14.166

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
61	3.50	-1.608
Std Dev	3.16	-1.000
9	2.60	0.000
Median	2.60	0.000

Std Dev	2.04	1.000
61	2.00	1.072

202.99	Acid Soluble Cobalt	
Lab	Other	
24	2.09	0.000
Median	2.09	0.000

202.XX	Acid Soluble Cobalt	
Lab	PPM	Total Method
61	3.50	-2.043
Std Dev	2.91	-1.000
9	2.60	-0.451
Median	2.35	0.000
24	2.09	0.451
61	2.00	0.610

221.30	Acid Soluble Copper	
Lab	PPM	ICP
61	7.50	0.000
61	7.50	0.000
Median	7.50	0.000
Std Dev	6.59	1.000
9	5.05	2.680

221.99	Acid Soluble Copper	
Lab	Other	
24	6.74	0.000
Median	6.74	0.000

221.XX	Acid Soluble Copper	
Lab	PPM	Total Method
61	7.50	-0.431
61	7.50	-0.431
Median	7.12	0.000
24	6.74	0.431
Std Dev	6.24	1.000
9	5.05	2.346

241.30	Acid Soluble Iron	
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
31	1.66	-35.823
24	0.72	-2.412
24	0.70	-1.697

Std Dev	0.68	-1.000
34	0.68	-0.983
61	0.66	-0.268
23	0.66	-0.089
Median	0.65	0.000
9	0.65	0.089
14	0.65	0.089
61	0.65	0.089
14	0.64	0.447
23	0.64	0.447
9	0.63	0.804

241.XX	Acid Soluble Iron	
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
31	1.66	-35.823
24	0.72	-2.412
24	0.70	-1.697

Std Dev	0.68	-1.000
34	0.68	-0.983
61	0.66	-0.268
23	0.66	-0.089
Median	0.65	0.000
9	0.65	0.089
14	0.65	0.089
61	0.65	0.089
14	0.64	0.447
23	0.64	0.447
9	0.63	0.804

251.30	Total Lead	
Lab	PPM	ICP
61	0.65	-1.031
Std Dev	0.64	-1.000
61	0.40	0.000
Median	0.40	0.000
Std Dev	0.16	1.000
9	0.00	1.649

251.99	Total Lead	
Lab	Other	
24	0.53	0.000
Median	0.53	0.000

251.XX	Total Lead	
Lab	PPM	Total Method
61	0.65	-0.953
24	0.53	-0.335
Median	0.47	0.000
61	0.40	0.335
Std Dev	0.27	1.000
9	0.00	2.397

261.30	Acid Soluble Manganese	
Lab	ICP	
31	294.50	-1.340
Std Dev	268.80	-1.000
Median	193.20	0.000
Std Dev	117.60	1.000
9	91.90	1.340

261.99	Acid Soluble Manganese	
Lab	PPM	Other
24	92.80	-2.680
Std Dev	88.54	-1.000
61	86.00	0.000
61	86.00	0.000
Median	86.00	0.000

261.XX	Acid Soluble Manganese	
Lab	PPM	Total Method
31	294.50	-39.924
Std Dev	96.97	-1.000
24	92.80	-0.177
9	91.90	0.000
Median	91.90	0.000
Std Dev	86.83	1.000
61	86.00	1.163
61	86.00	1.163

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
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289.30	Total Molybdenum	
Lab	PPM	ICP
9		

289.99	Total Molybdenum	
Lab	PPM	Other
24	4.28	0.000
Median	4.28	0.000

289.XX	Total Molybdenum	
Lab	PPM	Total Method
9	4.55	-0.763
24	4.28	-0.537
Median	3.64	0.000
61	3.00	0.537
Std Dev	2.45	1.000
61	2.00	1.376

291.30	Total Nickel	
Lab	ICP	
61	33.50	0.000
61	33.50	0.000
Median	33.50	0.000

291.99	Total Nickel	
Lab	PPM	Other
24	35.40	0.000
Median	35.40	0.000

291.XX	Total Nickel	
Lab	PPM	Total Method
24	35.40	-2.680
Std Dev	34.21	-1.000
61	33.50	0.000
61	33.50	0.000
Median	33.50	0.000

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

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

311.00		
Lab	%Na <sub>2</sub> O	Sodium Atomic Absorbtion
61	0.18	0.000
Median	0.18	0.000

311.99		
Lab	%Na <sub>2</sub> O	Sodium Other
23	0.20	-1.340
Std Dev	0.19	-1.000
23	0.19	0.000
24	0.19	0.000
Median	0.19	0.000
Std Dev	0.19	1.000
61	0.19	1.340
24	0.18	2.680

311.XX		
Lab	%Na <sub>2</sub> O	Sodium Total Method
23	0.20	-1.149
Std Dev	0.19	-1.000
23	0.19	-0.383
24	0.19	-0.383
Median	0.19	0.000
61	0.19	0.383
Std Dev	0.18	1.000
24	0.18	1.149
61	0.18	1.914

321.30		
Lab	PPM	Acid Soluble Zinc ICP
9	245.00	-0.323
24	244.00	-0.139
Median	243.25	0.000
61	242.50	0.139
Std Dev	237.84	1.000
61	220.50	4.205

321.XX		
Lab	PPM	Acid Soluble Zinc Total Method

9	245.00	-0.323
24	244.00	-0.139
Median	243.25	0.000
61	242.50	0.139
Std Dev	237.84	1.000
61	220.50	4.205

325.00		
Lab		Fluoride Volumetric
9	0.66	0.000
Median	0.66	0.000

325.10		
Lab	%	Fluoride Electrode
23	0.76	-1.608
23	0.75	-1.501
24	0.72	-0.858
24	0.68	0.000
Median	0.68	0.000
9	0.68	0.107
34	0.67	0.214
14	0.65	0.643

325.99		
Lab	%	Fluoride Other
31	1.62	-4.956
61	0.71	-0.027
Median	0.70	0.000
61	0.70	0.027
14	0.66	0.242

325.XX		
Lab	%	Fluoride Total Method
31	1.62	-20.826
23	0.76	-1.508
23	0.75	-1.396
24	0.72	-0.726
61	0.71	-0.391
61	0.70	-0.167
Median	0.69	0.000
24	0.68	0.167
9	0.68	0.279
34	0.67	0.391
9	0.66	0.614

14	0.66	0.726
14	0.65	0.837