

001.99 Ammoniacal Nitrogen		
Lab		Other
61	18.06	-0.866
61	18.04	-0.596
31	18.03	-0.487
Median	17.98	0.000
24	17.94	0.487
24	17.90	0.866
Std Dev	17.89	1.000
32	17.84	1.516

001.XX Ammoniacal Nitrogen		
Lab		Total Method
61	18.06	-0.866
61	18.04	-0.596
31	18.03	-0.487
Median	17.98	0.000
24	17.94	0.487
24	17.90	0.866
Std Dev	17.89	1.000
32	17.84	1.516

010.60 Total Nitrogen		
Lab		Combustion
9	18.13	-1.787
79	18.13	-1.787
Std Dev	18.07	-1.000
24	18.04	-0.550
24	18.00	0.000
Median	18.00	0.000
14	17.99	0.137
14	17.98	0.206
Std Dev	17.92	1.000
31	17.75	3.367

010.99 Total Nitrogen		
Lab		Other
23	18.00	0.000
23	18.00	0.000
Median	18.00	0.000
Std Dev	17.95	1.000
32	17.86	2.680

010.XX Total Nitrogen		
Lab		Total Method
9	18.13	-3.797
79	18.13	-3.797
24	18.04	-1.117
Std Dev	18.03	-1.000
23	18.00	-0.074
23	18.00	-0.074
Median	18.00	0.000
24	18.00	0.074
14	17.99	0.372
14	17.98	0.521
Std Dev	17.96	1.000
32	17.86	4.094
31	17.75	7.370

020.20 Total Phosphate		
Lab		Spectrometric
24	47.26	-2.036
Std Dev	47.06	-1.000
24	47.01	-0.747
23	46.98	-0.593
31	46.95	-0.438
23	46.92	-0.258
9	46.87	-0.026
Median	46.87	0.000
79	46.86	0.026
61	46.75	0.618
32	46.71	0.799
Std Dev	46.67	1.000
14	46.66	1.057
14	46.66	1.082
61	46.64	1.185

020.XX Total Phosphate		
Lab		Total Method
24	47.26	-2.036
Std Dev	47.06	-1.000
24	47.01	-0.747
23	46.98	-0.593
31	46.95	-0.438
23	46.92	-0.258
9	46.87	-0.026
Median	46.87	0.000

79	46.86	0.026
61	46.75	0.618
32	46.71	0.799
Std Dev	46.67	1.000
14	46.66	1.057
14	46.66	1.082
61	46.64	1.185

030.20 Insoluble Phosphate		
Lab		Spectrometric
61	1.05	-11.869
31	0.67	-6.955
32	0.20	-1.021
Std Dev	0.20	-1.000
9	0.18	-0.702
23	0.13	-0.128
23	0.12	0.000
Median	0.12	0.000
79	0.11	0.128
14	0.09	0.447
14	0.08	0.510
24	0.07	0.702
24	0.07	0.702

030.XX Insoluble Phosphate		
Lab		Total Method
61	1.05	-11.869
31	0.67	-6.955
32	0.20	-1.021
Std Dev	0.20	-1.000
9	0.18	-0.702
23	0.13	-0.128
23	0.12	0.000
Median	0.12	0.000
79	0.11	0.128
14	0.09	0.447
14	0.08	0.510
24	0.07	0.702
24	0.07	0.702

040.20 Indirect Available Phosphate		
Lab		Spectrometric
24	47.20	-2.401
24	46.95	-1.130

Std Dev	46.92	-1.000
23	46.85	-0.648
23	46.80	-0.368
79	46.75	-0.140
Median	46.72	0.000
9	46.70	0.140
14	46.58	0.724
14	46.57	0.775
Std Dev	46.53	1.000
31	46.26	2.350
61	45.70	5.220

040.XX Indirect Available Phosphate		
Lab		Total Method
24	47.20	-2.401
24	46.95	-1.130
Std Dev	46.92	-1.000
23	46.85	-0.648
23	46.80	-0.368
79	46.75	-0.140
Median	46.72	0.000
9	46.70	0.140
14	46.58	0.724
14	46.57	0.775
Std Dev	46.53	1.000
31	46.26	2.350
61	45.70	5.220

041.40 Direct Available Phosphate		
Lab		Automated
14	46.09	-1.340
Std Dev	46.08	-1.000
Median	46.05	0.000
Std Dev	46.03	1.000
14	46.02	1.340

041.XX Direct Available Phosphate		
Lab		Total Method
14	46.09	-1.340
Std Dev	46.08	-1.000
Median	46.05	0.000
Std Dev	46.03	1.000
14	46.02	1.340

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
23	43.41	-1.467
23	43.26	-1.086
Std Dev	43.22	-1.000
9	43.21	-0.959
24	43.18	-0.895
61	43.06	-0.578
24	42.96	-0.337
Median	42.83	0.000
61	42.70	0.337
79	42.69	0.349
32	42.66	0.425
14	42.66	0.438
14	42.64	0.489
Std Dev	42.43	1.000
31	41.53	3.309

048.XX Water Soluble Phosphate		
Lab	Total Method	
23	43.41	-1.467
23	43.26	-1.086
Std Dev	43.22	-1.000
9	43.21	-0.959
24	43.18	-0.895
61	43.06	-0.578
24	42.96	-0.337
Median	42.83	0.000
61	42.70	0.337
79	42.69	0.349
32	42.66	0.425
14	42.66	0.438
14	42.64	0.489
Std Dev	42.43	1.000
31	41.53	3.309

050.50 Soluble Potash		
Lab	%K ₂ O	ICP(Oxalate)
23	0.21	-1.340
Std Dev	0.20	-1.000
Median	0.20	0.000
Std Dev	0.20	1.000
23	0.20	1.340

050.99 Soluble Potash		
Lab	%K ₂ O	Other
61	0.20	-1.005
Std Dev	0.20	-1.000
61	0.20	-0.335
Median	0.19	0.000
24	0.19	0.335
Std Dev	0.19	1.000
24	0.18	2.345

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
23	0.21	-1.149
Std Dev	0.20	-1.000
23	0.20	-0.383
61	0.20	-0.383
Median	0.20	0.000
61	0.20	0.383
Std Dev	0.19	1.000
24	0.19	1.149
24	0.18	3.446

060.00 Free Water		
Lab	Vacuum Oven	
31	1.72	-3.908
24	1.66	-1.452
24	1.65	-1.005
32	1.65	-1.005
Std Dev	1.65	-1.000
14	1.63	-0.112
Median	1.63	0.000
23	1.63	0.112
14	1.62	0.335
23	1.62	0.335
79	1.62	0.335
Std Dev	1.61	1.000
9	1.48	6.812

060.10 Free Water		
Lab	Vacuum Desiccate	
61	3.03	-1.340
Std Dev	2.93	-1.000
Median	2.65	0.000
Std Dev	2.37	1.000

61 2.28 1.340

060.XX Free Water		
Lab	Total Method	
61	3.03	-34.528
61	2.28	-15.831
31	1.72	-1.870
Std Dev	1.68	-1.000
24	1.66	-0.499
24	1.65	-0.249
32	1.65	-0.249
Median	1.64	0.000
14	1.63	0.249
23	1.63	0.374
14	1.62	0.499
23	1.62	0.499
79	1.62	0.499
Std Dev	1.60	1.000
9	1.48	4.113

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
61	0.40	-1.914
61	0.38	-1.455
Std Dev	0.37	-1.000
24	0.36	-0.689
24	0.36	-0.689
23	0.34	-0.077
Median	0.33	0.000
23	0.33	0.077
14	0.32	0.536
14	0.31	0.689
32	0.31	0.689
Std Dev	0.30	1.000
31	0.27	1.914

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
61	0.40	-1.914
61	0.38	-1.455
Std Dev	0.37	-1.000
24	0.36	-0.689
24	0.36	-0.689
23	0.34	-0.077

Median		
Lab	%MgO	ICP
23	0.33	0.077
14	0.32	0.536
14	0.31	0.689
32	0.31	0.689
Std Dev	0.30	1.000
31	0.27	1.914

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
31	1.39	-7.274
24	1.07	-1.149
Std Dev	1.06	-1.000
23	1.05	-0.861
23	1.02	-0.287
24	1.01	0.000
61	1.01	0.000
61	1.01	0.000
Median	1.01	0.000
9	0.99	0.383
Std Dev	0.95	1.000
14	0.95	1.149
14	0.95	1.149
32	0.92	1.627

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
31	1.39	-7.274
24	1.07	-1.149
Std Dev	1.06	-1.000
23	1.05	-0.861
23	1.02	-0.287
24	1.01	0.000
61	1.01	0.000
61	1.01	0.000
Median	1.01	0.000
9	0.99	0.383
Std Dev	0.95	1.000
14	0.95	1.149
14	0.95	1.149
32	0.92	1.627

144.01 Sulfate Sulfur (S)	
Lab	Gravimetric

61	2.27	-1.340
Std Dev	2.26	-1.000
Median	2.25	0.000
Std Dev	2.23	1.000
61	2.22	1.340

144.70 Sulfur Spectrometric		
Lab		
14	2.24	-1.340
Std Dev	2.24	-1.000
Median	2.24	0.000
Std Dev	2.23	1.000
14	2.23	1.340

144.99 Sulfate Sulfur (S) Other		
Lab		
23	2.34	-0.607
23	2.28	-0.303
24	2.27	-0.278
9	2.22	0.000
Median	2.22	0.000
24	2.20	0.101
Std Dev	2.02	1.000
32	1.82	1.997
31	1.21	5.082

144.XX Sulfate Sulfur (S) Total Method		
Lab		
23	2.34	-2.165
Std Dev	2.28	-1.000
23	2.28	-0.928
61	2.27	-0.825
24	2.27	-0.825
14	2.24	-0.206
14	2.23	0.000
Median	2.23	0.000
61	2.22	0.206
9	2.22	0.309
24	2.20	0.722
Std Dev	2.18	1.000
32	1.82	8.452
31	1.21	21.028

151.30 Total Arsenic ICP		
Lab		
24	12.10	-1.340
Std Dev	12.05	-1.000
Median	11.92	0.000
Std Dev	11.79	1.000
9	11.75	1.340

151.XX Total Arsenic Total Method		
Lab		
24	12.10	-1.340
Std Dev	12.05	-1.000
Median	11.92	0.000
Std Dev	11.79	1.000
9	11.75	1.340

165.99 Acid Soluble Boron Other		
Lab	PPM	
24	68.30	0.000
Median	68.30	0.000

165.XX, ppm Acid Soluble Boron Total Method		
Lab	PPM	
24	68.30	0.000
Median	68.30	0.000

181.30 Total Cadmium ICP		
Lab	PPM	
9	27.00	-0.893
61	25.00	0.000
Median	25.00	0.000
Std Dev	22.76	1.000
61	21.00	1.787

181.99 Total Cadmium Other		
Lab		
24	0.95	-1.340
Std Dev	0.94	-1.000
Median	0.94	0.000
Std Dev	0.94	1.000
24	0.94	1.340

181.XX Total Cadmium Total Method		
Lab	PPM	

9	27.00	-0.334
61	25.00	-0.223
61	21.00	0.000
Median	21.00	0.000
Std Dev	3.05	1.000
24	0.95	1.117
24	0.94	1.117

190.00 Aluminum ICP		
Lab	%Al ₂ O ₃	
31	1.54	-35.436
23	0.99	-2.680
23	0.96	-1.191
Std Dev	0.96	-1.000
9	0.95	-0.596
24	0.95	-0.298
24	0.94	0.000
Median	0.94	0.000
14	0.94	0.298
14	0.94	0.298
61	0.93	0.596
Std Dev	0.92	1.000
32	0.91	1.787
61	0.91	2.084

190.XX Aluminum Total Method		
Lab	%Al ₂ O ₃	
31	1.54	-35.436
23	0.99	-2.680
23	0.96	-1.191
Std Dev	0.96	-1.000
9	0.95	-0.596
24	0.95	-0.298
24	0.94	0.000
Median	0.94	0.000
14	0.94	0.298
14	0.94	0.298
61	0.93	0.596
Std Dev	0.92	1.000
32	0.91	1.787
61	0.91	2.084

191.30 Total Chromium ICP		
Lab		

61	271.50	-0.512
61	256.50	-0.033
Median	255.48	0.000
9	254.45	0.033
Std Dev	224.20	1.000
31	110.00	4.651

191.99 Total Chromium Other		
Lab	PPM	
24	232.50	0.000
Median	232.50	0.000

191.XX Total Chromium Total Method		
Lab	PPM	
61	271.50	-0.952
61	256.50	-0.114
9	254.45	0.000
Median	254.45	0.000
Std Dev	236.54	1.000
24	232.50	1.226
31	110.00	8.065

202.30 Acid Soluble Cobalt ICP		
Lab	PPM	
9	2.48	-2.680
Std Dev	2.18	-1.000
61	2.00	0.000
61	2.00	0.000
Median	2.00	0.000

202.99 Acid Soluble Cobalt Other		
Lab		
24	1.93	0.000
Median	1.93	0.000

202.XX Acid Soluble Cobalt Total Method		
Lab	PPM	
9	2.48	-4.636
Std Dev	2.10	-1.000
61	2.00	0.000
61	2.00	0.000
Median	2.00	0.000
24	1.93	0.724

221.30 Acid Soluble Copper		
Lab	PPM	ICP
9	7.39	-2.680
Std Dev	7.15	-1.000
61	7.00	0.000
61	7.00	0.000
Median	7.00	0.000

221.99 Acid Soluble Copper		
Lab	PPM	Other
24	6.94	0.000
Median	6.94	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
9	7.39	-4.594
Std Dev	7.08	-1.000
61	7.00	0.000
61	7.00	0.000
Median	7.00	0.000
24	6.94	0.766

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
31	1.66	-26.800
23	0.86	-1.734
24	0.85	-1.261
61	0.84	-1.104
Std Dev	0.84	-1.000
23	0.84	-0.946
14	0.81	0.000
14	0.81	0.000
24	0.81	0.000
Median	0.81	0.000
9	0.80	0.315
61	0.80	0.315
Std Dev	0.77	1.000
32	0.77	1.104

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
31	1.66	-26.800
23	0.86	-1.734
24	0.85	-1.261

61	0.84	-1.104
Std Dev	0.84	-1.000
23	0.84	-0.946
14	0.81	0.000
14	0.81	0.000
24	0.81	0.000
Median	0.81	0.000
9	0.80	0.315
61	0.80	0.315
Std Dev	0.77	1.000
32	0.77	1.104

251.30 Total Lead		
Lab	PPM	ICP
61	0.55	-1.340
Std Dev	0.53	-1.000
Median	0.48	0.000
Std Dev	0.42	1.000
61	0.40	1.340

251.99 Total Lead		
Lab	PPM	Other
9	<4	0.000
24	0.68	0.000
Median	0.68	0.000

251.XX Total Lead		
Lab	PPM	Total Method
9	<4	0.000
24	0.68	-1.218
Std Dev	0.65	-1.000
61	0.55	0.000
Median	0.55	0.000
Std Dev	0.45	1.000
61	0.40	1.462

261.30 Acid Soluble Manganese		
Lab	PPM	ICP
31	294.50	-1.340
Std Dev	270.69	-1.000
Median	200.67	0.000
Std Dev	130.65	1.000
9	106.85	1.340

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	99.50	-2.297
Std Dev	98.65	-1.000
61	98.00	0.000
Median	98.00	0.000
24	97.75	0.383

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
31	294.50	-29.542
9	106.85	-1.113
Std Dev	106.10	-1.000
61	99.50	0.000
Median	99.50	0.000
61	98.00	0.227
24	97.75	0.265

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	7.07	0.000
Median	7.07	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
9	7.10	-0.266
24	7.07	-0.143
Median	7.04	0.000
61	7.00	0.143
Std Dev	6.79	1.000
61	6.00	4.235

291.30 Total Nickel		
Lab	PPM	ICP
9	34.73	-2.396
Std Dev	32.26	-1.000
61	30.50	0.000
Median	30.50	0.000
61	30.00	0.284

291.99 Total Nickel		
Lab	PPM	Other
24	27.55	0.000
Median	27.55	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
9	34.73	-2.765
Std Dev	31.87	-1.000
61	30.50	-0.154
Median	30.25	0.000
61	30.00	0.154
Std Dev	28.63	1.000
24	27.55	1.668

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

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

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbion
61	0.39	0.000
Median	0.39	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
24	0.44	-0.766
23	0.43	-0.383
23	0.42	0.000

Median	0.42	0.000
24	0.39	0.957
Std Dev	0.39	1.000
61	0.38	1.340

311.XX	Sodium	
Lab	%Na ₂ O	Total Method
24	0.44	-1.201
Std Dev	0.43	-1.000
23	0.43	-0.832
23	0.42	-0.462
Median	0.40	0.000
24	0.39	0.462
61	0.39	0.647
61	0.38	0.832

321.30	Acid Soluble Zinc	
Lab	PPM	ICP
9	233.63	-1.484
Std Dev	215.65	-1.000
24	199.00	-0.552
Median	178.50	0.000
61	158.00	0.552
61	157.50	0.565

321.XX	Acid Soluble Zinc	
Lab	PPM	Total Method
9	233.63	-1.484
Std Dev	215.65	-1.000
24	199.00	-0.552
Median	178.50	0.000
61	158.00	0.552
61	157.50	0.565

325.10	Fluoride	
Lab	%	Electrode
31	1.62	-13.708
32	0.89	-0.879
23	0.88	-0.703
23	0.87	-0.527
Median	0.84	0.000
9	0.81	0.527
24	0.81	0.527
24	0.80	0.791

14 0.73 1.942

325.99	Fluoride	
Lab	%	Other
61	0.83	-0.278
61	0.82	0.000
Median	0.82	0.000
14	0.73	2.402

325.XX	Fluoride	
Lab	%	Total Method
31	1.62	-14.879
32	0.89	-1.386
23	0.88	-1.201
23	0.87	-1.017
61	0.83	-0.185
61	0.82	0.000
Median	0.82	0.000
9	0.81	0.092
24	0.81	0.092
24	0.80	0.370
14	0.73	1.580
14	0.73	1.599