

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	11.26	0.000
Median	11.26	0.000

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	11.72	-2.421
Std Dev	11.68	-1.000
32	11.68	-0.865
23	11.66	-0.173
34	11.65	0.000
61	11.65	0.000
Median	11.65	0.000
23	11.64	0.519
Std Dev	11.62	1.000
24	11.58	2.421
24	11.47	6.397

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
61	11.72	-1.251
Std Dev	11.71	-1.000
32	11.68	-0.447
23	11.66	-0.089
34	11.65	0.000
61	11.65	0.000
Median	11.65	0.000
23	11.64	0.268
Std Dev	11.59	1.000
24	11.58	1.251
24	11.47	3.305
31	11.26	7.057

010.60 Total Nitrogen		
Lab	Combustion	
79	11.78	-1.043
Std Dev	11.77	-1.000
9	11.70	-0.647
14	11.66	-0.436
24	11.63	-0.277
Median	11.58	0.000
14	11.53	0.277
24	11.43	0.779

Std Dev	11.39	1.000
31	11.38	1.069
29	11.17	2.152

010.99 Total Nitrogen		
Lab	Other	
32	11.68	0.000
Median	11.68	0.000

010.XX Total Nitrogen		
Lab	Total Method	
79	11.78	-0.777
9	11.70	-0.375
32	11.68	-0.268
14	11.66	-0.161
24	11.63	0.000
Median	11.63	0.000
14	11.53	0.563
Std Dev	11.44	1.000
24	11.43	1.072
31	11.38	1.367
29	11.17	2.466

020.20 Total Phosphate		
Lab	Spectrometric	
61	54.53	-2.121
61	54.33	-1.600
Std Dev	54.09	-1.000
34	53.97	-0.677
9	53.96	-0.650
32	53.89	-0.455
23	53.74	-0.078
23	53.71	0.000
Median	53.71	0.000
79	53.71	0.013
24	53.53	0.468
14	53.45	0.690
14	53.43	0.729
31	53.37	0.898
Std Dev	53.33	1.000
24	53.11	1.561

020.40 Total Phosphate		
Lab	Automated	

9	53.75	0.000
Median	53.75	0.000

020.XX Total Phosphate		
Lab	Total Method	
61	54.53	-2.257
61	54.33	-1.693
Std Dev	54.08	-1.000
34	53.97	-0.691
9	53.96	-0.663
32	53.89	-0.451
9	53.75	-0.071
23	53.74	-0.042
Median	53.73	0.000
23	53.71	0.042
79	53.71	0.056
24	53.53	0.550
14	53.45	0.790
14	53.43	0.832
Std Dev	53.37	1.000
31	53.37	1.016
24	53.11	1.735

030.20 Insoluble Phosphate		
Lab	Spectrometric	
32	0.88	-1.920
79	0.79	-1.467
61	0.74	-1.200
Std Dev	0.70	-1.000
23	0.58	-0.320
23	0.56	-0.213
Median	0.52	0.000
14	0.48	0.213
14	0.46	0.320
24	0.45	0.373
61	0.45	0.373
24	0.44	0.427

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.14	0.000
Median	0.14	0.000

030.40 Insoluble Phosphate		
Lab	Automated	
9	0.56	-1.340
Std Dev	0.55	-1.000
Median	0.52	0.000
Std Dev	0.49	1.000
34	0.48	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
32	0.88	-4.072
79	0.79	-3.195
61	0.74	-2.680
Std Dev	0.58	-1.000
23	0.58	-0.979
9	0.56	-0.825
23	0.56	-0.773
34	0.48	0.000
Median	0.48	0.000
14	0.48	0.052
14	0.46	0.258
24	0.45	0.361
61	0.45	0.361
24	0.44	0.464
Std Dev	0.38	1.000
31	0.14	3.556

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
61	53.88	-4.074
61	53.79	-3.564
Std Dev	53.31	-1.000
31	53.23	-0.590
23	53.17	-0.241
23	53.16	-0.188
Median	53.12	0.000
24	53.09	0.188
14	52.99	0.697
14	52.96	0.884
Std Dev	52.93	1.000
79	52.92	1.099
24	52.68	2.385

040.40 Indirect Available Phosphate		
Lab	Automated	
9	53.33	0.000
Median	53.33	0.000

040.99 Indirect Available Phosphate		
Lab	Other	
34	53.49	0.000
Median	53.49	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	
61	53.88	-2.506
61	53.79	-2.175
34	53.49	-1.149
Std Dev	53.45	-1.000
9	53.33	-0.574
31	53.23	-0.244
23	53.17	-0.017
Median	53.16	0.000
23	53.16	0.017
24	53.09	0.261
14	52.99	0.592
14	52.96	0.714
79	52.92	0.853
Std Dev	52.87	1.000
24	52.68	1.688

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
29	53.88	0.000
Median	53.88	0.000

041.XX Direct Available Phosphate		
Lab	Total Method	
29	53.88	0.000
Median	53.88	0.000

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
32	49.41	-1.386
61	49.39	-1.343
Std Dev	49.23	-1.000
61	49.22	-0.976

23	48.90	-0.286
23	48.87	-0.221
9	48.80	-0.081
Median	48.76	0.000
79	48.73	0.081
24	48.67	0.210
31	48.36	0.868
14	48.34	0.922
Std Dev	48.30	1.000
24	48.23	1.159
14	48.21	1.192

048.99 Water Soluble Phosphate		
Lab	Other	
34	48.56	0.000
Median	48.56	0.000

048.XX Water Soluble Phosphate		
Lab	Total Method	
32	49.41	-1.703
61	49.39	-1.653
61	49.22	-1.227
Std Dev	49.12	-1.000
23	48.90	-0.426
23	48.87	-0.351
9	48.80	-0.188
79	48.73	0.000
Median	48.73	0.000
24	48.67	0.150
34	48.56	0.413
31	48.36	0.914
14	48.34	0.977
Std Dev	48.33	1.000
24	48.23	1.252
14	48.21	1.290

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.22	-1.340
Std Dev	0.22	-1.000
Median	0.22	0.000
Std Dev	0.21	1.000
23	0.21	1.340

050.99 Soluble Potash		
Lab	%K ₂ O	Other
61	0.21	-0.631
61	0.21	-0.631
Median	0.20	0.000
24	0.19	0.631
24	0.19	0.946

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
23	0.22	-0.893
23	0.21	0.000
61	0.21	0.000
61	0.21	0.000
Median	0.21	0.000
Std Dev	0.20	1.000
24	0.19	1.787
24	0.19	2.233

060.00 Free Water		
Lab	Vacuum Oven	
31	2.09	-8.445
Std Dev	0.89	-1.000
14	0.85	-0.748
14	0.84	-0.654
79	0.81	-0.467
24	0.75	-0.125
24	0.73	0.000
Median	0.73	0.000
23	0.63	0.654
23	0.61	0.748
9	0.60	0.810
34	0.60	0.810
Std Dev	0.57	1.000
32	0.57	1.028

060.10 Free Water		
Lab	Vacuum Desiccate	
61	0.77	-1.340
Std Dev	0.76	-1.000
Median	0.76	0.000
Std Dev	0.76	1.000
61	0.76	1.340

060.XX Free Water		
Lab	Total Method	
31	2.09	-9.174
Std Dev	0.90	-1.000
14	0.85	-0.687
14	0.84	-0.584
79	0.81	-0.378
61	0.77	-0.103
61	0.76	-0.069
24	0.75	0.000
Median	0.75	0.000
24	0.73	0.137
23	0.63	0.859
23	0.61	0.962
Std Dev	0.60	1.000
9	0.60	1.031
34	0.60	1.031
32	0.57	1.271

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
31	0.54	-8.198
61	0.36	-2.522
61	0.36	-2.365
Std Dev	0.31	-1.000
24	0.29	-0.158
23	0.28	0.000
23	0.28	0.000
34	0.28	0.000
Median	0.28	0.000
9	0.26	0.631
14	0.26	0.631
14	0.26	0.631
32	0.26	0.631
Std Dev	0.25	1.000
24	0.25	1.104

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
31	0.54	-8.198
61	0.36	-2.522
61	0.36	-2.365
Std Dev	0.31	-1.000
24	0.29	-0.158

23	0.28	0.000
23	0.28	0.000
34	0.28	0.000
Median	0.28	0.000
9	0.26	0.631
14	0.26	0.631
14	0.26	0.631
32	0.26	0.631
Std Dev	0.25	1.000
24	0.25	1.104

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
31	0.93	-5.432
Std Dev	0.78	-1.000
34	0.77	-0.797
23	0.77	-0.652
23	0.77	-0.652
24	0.75	-0.217
24	0.75	-0.072
Median	0.74	0.000
61	0.74	0.072
61	0.74	0.217
9	0.72	0.652
14	0.72	0.797
14	0.72	0.797
Std Dev	0.71	1.000
32	0.63	3.259

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
31	0.93	-5.432
Std Dev	0.78	-1.000
34	0.77	-0.797
23	0.77	-0.652
23	0.77	-0.652
24	0.75	-0.217
24	0.75	-0.072
Median	0.74	0.000
61	0.74	0.072
61	0.74	0.217
9	0.72	0.652
14	0.72	0.797
14	0.72	0.797

Std Dev	0.71	1.000
32	0.63	3.259

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
61	1.54	-1.340
Std Dev	1.53	-1.000
Median	1.53	0.000
Std Dev	1.53	1.000
61	1.53	1.340

144.70 Sulfur		
Lab	Spectrometric	
14	1.49	-1.340
Std Dev	1.49	-1.000
Median	1.49	0.000
Std Dev	1.49	1.000
14	1.49	1.340

144.99 Sulfate Sulfur (S)		
Lab	Other	
24	1.55	-0.395
23	1.54	-0.351
23	1.54	-0.351
34	1.50	0.000
Median	1.50	0.000
24	1.49	0.088
Std Dev	1.39	1.000
31	1.29	1.889
32	1.16	2.988

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
24	1.55	-1.206
23	1.54	-1.072
23	1.54	-1.072
Std Dev	1.54	-1.000
61	1.54	-0.938
61	1.53	-0.804
34	1.50	0.000
Median	1.50	0.000
14	1.49	0.268
24	1.49	0.268
14	1.49	0.402

Std Dev	1.46	1.000
31	1.29	5.762
32	1.16	9.112

151.30 Total Arsenic		
Lab	ICP	
24	11.70	-0.074
9	11.50	0.000
Median	11.50	0.000
Std Dev	8.81	1.000
61	4.50	2.606

151.XX Total Arsenic		
Lab	Total Method	
24	11.70	-0.074
9	11.50	0.000
Median	11.50	0.000
Std Dev	8.81	1.000
61	4.50	2.606

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	25.35	0.000
Median	25.35	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	25.35	0.000
Median	25.35	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
61	4.00	-2.680
Std Dev	3.37	-1.000
9	3.00	0.000
61	3.00	0.000
Median	3.00	0.000

181.99 Total Cadmium		
Lab	Other	
24	3.59	0.000
Median	3.59	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
61	4.00	-1.364
Std Dev	3.81	-1.000
24	3.59	-0.571
Median	3.30	0.000
9	3.00	0.571
61	3.00	0.571

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
9	1.84	-0.932
23	1.84	-0.816
23	1.84	-0.816
14	1.81	-0.117
14	1.81	-0.117
34	1.80	0.000
Median	1.80	0.000
24	1.78	0.583
61	1.77	0.816
61	1.76	0.932
Std Dev	1.76	1.000
24	1.76	1.049
32	1.60	4.777

190.99 Aluminum		
Lab	%Al ₂ O ₃	Atomic Absorption
31	1.69	0.000
Median	1.69	0.000

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
9	1.84	-1.309
23	1.84	-1.184
23	1.84	-1.184
Std Dev	1.83	-1.000
14	1.81	-0.436
14	1.81	-0.436
34	1.80	-0.312
Median	1.79	0.000
24	1.78	0.312
61	1.77	0.561
61	1.76	0.686
24	1.76	0.810

Std Dev	1.75	1.000
31	1.69	2.431
32	1.60	4.799

191.30	Total Chromium	
Lab	PPM	ICP
31	580.50	-5.354
Std Dev	185.26	-1.000
61	94.50	0.000
61	94.50	0.000
Median	94.50	0.000
9	94.00	0.006

191.99	Total Chromium	
Lab	PPM	Other
24	89.50	0.000
Median	89.50	0.000

191.XX	Total Chromium	
Lab	PPM	Total Method
31	580.50	-1302.480
Std Dev	94.87	-1.000
61	94.50	0.000
61	94.50	0.000
Median	94.50	0.000
Std Dev	94.13	1.000
9	94.00	1.340
24	89.50	13.400

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	PPM	Other
24	2.65	0.000
Median	2.65	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	2.87	1.000
24	2.65	2.680

221.30	Acid Soluble Copper	
Lab	PPM	ICP
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000

221.99	Acid Soluble Copper	
Lab	PPM	Other
24	2.23	0.000
Median	2.23	0.000

221.XX	Acid Soluble Copper	
Lab	PPM	Total Method
61	4.00	0.000
61	4.00	0.000
Median	4.00	0.000
Std Dev	3.34	1.000
24	2.23	2.680

241.30	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	ICP
32	1.60	-7.742
23	1.38	-1.191
23	1.37	-1.042
Std Dev	1.37	-1.000
34	1.35	-0.447
61	1.35	-0.447
24	1.34	0.000
61	1.34	0.000
Median	1.34	0.000
24	1.33	0.298
14	1.31	0.744
14	1.31	0.744
Std Dev	1.30	1.000
9	1.30	1.191
31	1.13	6.253

241.30	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	ICP
32	1.60	-7.742
23	1.38	-1.191
23	1.37	-1.042
Std Dev	1.37	-1.000
34	1.35	-0.447
61	1.35	-0.447
24	1.34	0.000
61	1.34	0.000
Median	1.34	0.000
24	1.33	0.298
14	1.31	0.744
14	1.31	0.744
Std Dev	1.30	1.000
9	1.30	1.191
31	1.13	6.253

241.XX	Acid Soluble Iron	
Lab	%Fe ₂ O ₃	Total Method
32	1.60	-7.742

23	1.38	-1.191
23	1.37	-1.042
Std Dev	1.37	-1.000
34	1.35	-0.447
61	1.35	-0.447
24	1.34	0.000
61	1.34	0.000
Median	1.34	0.000
24	1.33	0.298
14	1.31	0.744
14	1.31	0.744
Std Dev	1.30	1.000
9	1.30	1.191
31	1.13	6.253

251.30	Total Lead	
Lab	PPM	ICP
61	0.42	-1.340
Std Dev	0.42	-1.000
Median	0.41	0.000
Std Dev	0.40	1.000
61	0.40	1.340

251.99	Total Lead	
Lab	PPM	Other
24	0.66	0.000
Median	0.66	0.000

251.XX	Total Lead	
Lab	PPM	Total Method
24	0.66	-2.427
Std Dev	0.52	-1.000
61	0.42	0.000
Median	0.42	0.000
61	0.40	0.253

261.30	Acid Soluble Manganese	
Lab	PPM	ICP
9	430.50	-1.340
Std Dev	399.10	-1.000
Median	306.75	0.000
Std Dev	214.40	1.000
31	183.00	1.340

261.99	Acid Soluble Manganese	
Lab	PPM	Other
61	431.00	-0.623
61	426.00	0.000
Median	426.00	0.000
Std Dev	417.98	1.000
24	409.50	2.057

261.XX	Acid Soluble Manganese	
Lab	PPM	Total Method
61	431.00	-0.319
9	430.50	-0.287
61	426.00	0.000
Median	426.00	0.000
Std Dev	410.33	1.000
24	409.50	1.053
31	183.00	15.506

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
61		

289.99	Total Molybdenum	
Lab	PPM	Other
24	22.70	0.000
Median	22.70	0.000

289.XX	Total Molybdenum	
Lab	PPM	Total Method
24	22.70	-2.184
Std Dev	21.51	-1.000
61	20.50	0.000
Median	20.50	0.000
61	20.00	0.496

291.30 Total Nickel		
Lab	ICP	
61	14.00	-2.680
Std Dev	13.37	-1.000
9	13.00	0.000
61	13.00	0.000
Median	13.00	0.000

291.99 Total Nickel		
Lab	PPM	Other
24	11.70	0.000
Median	11.70	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
61	14.00	-2.330
Std Dev	13.43	-1.000
9	13.00	0.000
61	13.00	0.000
Median	13.00	0.000
Std Dev	12.57	1.000
24	11.70	3.030

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 Mthod
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	0.20	0.000
Median	0.20	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
23	0.22	-0.670
23	0.22	-0.670

24	0.21	0.000
Median	0.21	0.000
24	0.20	0.670
Std Dev	0.20	1.000
61	0.20	1.005

311.XX Sodium		
Lab	%Na ₂ O	Total Method
23	0.22	-0.946
23	0.22	-0.946
24	0.21	-0.315
Median	0.21	0.000
24	0.20	0.315
61	0.20	0.631
61	0.20	0.631

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
24	193.00	-1.340
Std Dev	190.97	-1.000
61	186.50	-0.251
Median	185.00	0.000
61	183.50	0.251
Std Dev	179.03	1.000
9	170.00	2.513

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
24	193.00	-1.340
Std Dev	190.97	-1.000
61	186.50	-0.251
Median	185.00	0.000
61	183.50	0.251
Std Dev	179.03	1.000
9	170.00	2.513

325.10 Fluoride		
Lab	%	Electrode
34	1.77	-0.744
23	1.76	-0.447
23	1.76	-0.447
32	1.76	-0.447
24	1.75	0.000
Median	1.75	0.000

14	1.72	0.744
24	1.72	0.893
14	1.69	1.638
31	1.37	11.316

325.30 Fluoride		
Lab	Distilled/Electrode	
9	1.74	0.000
Median	1.74	0.000

325.99 Fluoride		
Lab	%	Other
61	1.77	-1.340
Median	1.73	0.000
61	1.69	1.340

325.XX Fluoride		
Lab	%	Total Method
34	1.77	-0.784
61	1.77	-0.784
23	1.76	-0.523
23	1.76	-0.523
32	1.76	-0.523
24	1.75	-0.131
Median	1.74	0.000
9	1.74	0.131
14	1.72	0.523
24	1.72	0.654
14	1.69	1.307
61	1.69	1.438
31	1.37	9.805