

001.10 Ammoniacal Nitrogen		
Lab	MgO distillation	
31	11.95	0.000
Median	11.95	0.000

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	11.93	-1.072
Std Dev	11.93	-1.000
61	11.92	-0.643
23	11.91	-0.214
23	11.91	-0.214
Median	11.91	0.000
24	11.90	0.214
24	11.89	0.858
Std Dev	11.88	1.000
34	11.87	1.501
32	11.85	2.358

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
31	11.95	-1.531
Std Dev	11.94	-1.000
61	11.93	-0.766
61	11.92	-0.383
23	11.91	0.000
23	11.91	0.000
Median	11.91	0.000
24	11.90	0.383
24	11.89	0.957
Std Dev	11.88	1.000
34	11.87	1.531
32	11.85	2.297

010.60 Total Nitrogen		
Lab	Combustion	
31	11.96	-2.573
Std Dev	11.92	-1.000
14	11.90	-0.214
Median	11.90	0.000
9	11.89	0.214
Std Dev	11.87	1.000
14	11.86	1.501

010.99 Total Nitrogen		
Lab	Other	
32	11.85	0.000
Median	11.85	0.000

010.XX Total Nitrogen		
Lab	Total Method	
31	11.96	-2.177
Std Dev	11.92	-1.000
14	11.90	-0.335
9	11.89	0.000
Median	11.89	0.000
Std Dev	11.86	1.000
14	11.86	1.005
32	11.85	1.340

020.20 Total Phosphate		
Lab	Spectrometric	
24	41.26	-1.378
14	41.23	-1.077
14	41.22	-1.027
Std Dev	41.22	-1.000
23	41.14	-0.225
34	41.14	-0.225
31	41.13	-0.075
Median	41.12	0.000
32	41.11	0.075
23	41.10	0.225
61	41.03	0.877
Std Dev	41.02	1.000
9	41.02	1.027
61	41.02	1.027
24	41.00	1.227

020.50 Total Phosphate		
Lab	ICP	
9	41.00	0.000
Median	41.00	0.000

020.XX Total Phosphate		
Lab	Total Method	
24	41.26	-1.554
14	41.23	-1.233
14	41.22	-1.179

Std Dev	41.20	-1.000
23	41.14	-0.322
34	41.14	-0.322
31	41.13	-0.161
32	41.11	0.000
Median	41.11	0.000
23	41.10	0.161
61	41.03	0.858
Std Dev	41.02	1.000
9	41.02	1.018
61	41.02	1.018
24	41.00	1.233
9	41.00	1.233

030.20 Insoluble Phosphate		
Lab	Spectrometric	
14	0.76	-1.140
14	0.76	-1.120
Std Dev	0.73	-1.000
61	0.72	-0.960
32	0.69	-0.860
24	0.48	0.000
61	0.48	0.000
Median	0.48	0.000
23	0.38	0.380
23	0.37	0.420
24	0.36	0.460

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.25	0.000
Median	0.25	0.000

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.49	0.000
Median	0.49	0.000

030.50 Insoluble Phosphate		
Lab	ICP	
9	0.37	0.000
Median	0.37	0.000

030.XX Insoluble Phosphate		
Lab	Total Method	
14	0.76	-1.166
14	0.76	-1.146
Std Dev	0.72	-1.000
61	0.72	-0.982
32	0.69	-0.880
34	0.49	-0.061
24	0.48	0.000
61	0.48	0.000
Median	0.48	0.000
23	0.38	0.389
23	0.37	0.430
9	0.37	0.450
24	0.36	0.471
31	0.25	0.921

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
31	40.89	-1.276
Std Dev	40.84	-1.000
24	40.78	-0.709
23	40.76	-0.606
23	40.73	-0.425
9	40.65	-0.039
Median	40.64	0.000
24	40.64	0.039
61	40.56	0.451
14	40.47	0.889
14	40.46	0.941
Std Dev	40.45	1.000
61	40.30	1.765

040.50 Indirect Available Phosphate		
Lab	ICP	
9	40.63	0.000
Median	40.63	0.000

040.99 Indirect Available Phosphate		
Lab	Other	
34	40.66	0.000
Median	40.66	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	
31	40.89	-1.658
Std Dev	40.79	-1.000
24	40.78	-0.921
23	40.76	-0.787
23	40.73	-0.553
34	40.66	-0.117
9	40.65	-0.050
Median	40.64	0.000
24	40.64	0.050
9	40.63	0.084
61	40.56	0.586
Std Dev	40.49	1.000
14	40.47	1.156
14	40.46	1.223
61	40.30	2.295

041.99 Direct Available Phosphate		
Lab	Other	
14	40.21	-1.340
Std Dev	40.21	-1.000
Median	40.21	0.000
Std Dev	40.20	1.000
14	40.20	1.340

041.XX Direct Available Phosphate		
Lab	Total Method	
14	40.21	-1.340
Std Dev	40.21	-1.000
Median	40.21	0.000
Std Dev	40.20	1.000
14	40.20	1.340

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
24	36.15	-1.680
Std Dev	35.96	-1.000
23	35.90	-0.780
23	35.85	-0.578
24	35.85	-0.578
31	35.71	-0.083
Median	35.69	0.000
61	35.67	0.083

61	35.57	0.431
14	35.45	0.872
14	35.45	0.872
Std Dev	35.42	1.000
32	33.30	8.765

048.99 Water Soluble Phosphate		
Lab	Other	
34	35.61	-1.340
Std Dev	35.61	-1.000
Median	35.61	0.000
Std Dev	35.61	1.000
9	35.61	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
24	36.15	-2.230
23	35.90	-1.153
Std Dev	35.87	-1.000
23	35.85	-0.912
24	35.85	-0.912
31	35.71	-0.319
61	35.67	-0.121
Median	35.64	0.000
34	35.61	0.121
9	35.61	0.143
61	35.57	0.297
14	35.45	0.824
14	35.45	0.824
Std Dev	35.41	1.000
32	33.30	10.270

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	
61	0.13	-5.360
Std Dev	0.12	-1.000
24	0.12	0.000
24	0.12	0.000

61	0.12	0.000
Median	0.12	0.000

050.XX Soluble Potash		
Lab	%K ₂ O Total Method	
61	0.13	0.002
23	0.12	0.000
23	0.12	0.000
24	0.12	0.000
24	0.12	0.000
61	0.12	0.000
Median	0.12	0.000

060.00 Free Water		
Lab	Vacuum Oven	
24	0.83	-1.093
24	0.83	-1.051
Std Dev	0.82	-1.000
31	0.79	-0.722
32	0.72	-0.186
23	0.71	-0.062
Median	0.70	0.000
23	0.69	0.062
9	0.64	0.474
14	0.60	0.845
14	0.59	0.886
Std Dev	0.58	1.000
34	0.55	1.216

060.10 Free Water		
Lab	Vacuum Desiccate	
61	0.59	-1.340
Std Dev	0.57	-1.000
Median	0.50	0.000
Std Dev	0.44	1.000
61	0.42	1.340

060.XX Free Water		
Lab	Total Method	
24	0.83	-1.512
24	0.83	-1.466
31	0.79	-1.099
Std Dev	0.77	-1.000
32	0.72	-0.504

23	0.71	-0.366
23	0.69	-0.229
Median	0.67	0.000

9	0.64	0.229
14	0.60	0.641
14	0.59	0.687
61	0.59	0.687
Std Dev	0.56	1.000
34	0.55	1.054
61	0.42	2.291

101.30 Acid Soluble Calcium			
Lab	%CaO	ICP	
23	0.38	-1.552	
34	0.38	-1.552	
61	0.38	-1.269	
Std Dev	0.37	-1.000	
23	0.37	-0.705	
31	0.36	-0.423	
61	0.36	-0.423	
Median	0.35	0.000	
9	0.35	0.423	
24	0.35	0.423	
32	0.35	0.423	
24	0.34	0.705	
Std Dev	0.33	1.000	
14	0.33	1.269	
14	0.33	1.269	

101.XX Acid Soluble Calcium			
Lab	%CaO	Total Method	
23	0.38	-1.552	
34	0.38	-1.552	
61	0.38	-1.269	
Std Dev	0.37	-1.000	
23	0.37	-0.705	
31	0.36	-0.423	
61	0.36	-0.423	
Median	0.35	0.000	
9	0.35	0.423	
24	0.35	0.423	
32	0.35	0.423	
24	0.34	0.705	
Std Dev	0.33	1.000	

14	0.33	1.269
14	0.33	1.269

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
24	0.83	-2.489
34	0.79	-1.149
Std Dev	0.79	-1.000
9	0.78	-0.766
23	0.77	-0.191
24	0.77	-0.191
14	0.76	0.000
14	0.76	0.000
Median	0.76	0.000
23	0.76	0.191
61	0.74	0.957
Std Dev	0.73	1.000
61	0.73	1.149
32	0.73	1.340
31	0.72	1.723

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
24	0.83	-2.489
34	0.79	-1.149
Std Dev	0.79	-1.000
9	0.78	-0.766
23	0.77	-0.191
24	0.77	-0.191
14	0.76	0.000
14	0.76	0.000
Median	0.76	0.000
23	0.76	0.191
61	0.74	0.957
Std Dev	0.73	1.000
61	0.73	1.149
32	0.73	1.340
31	0.72	1.723

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	8.72	-1.340
Std Dev	8.71	-1.000
Median	8.69	0.000

Std Dev	8.66	1.000
61	8.65	1.340

144.70 Sulfur Spectrometric		
Lab		
14	9.61	-1.340
Std Dev	9.60	-1.000
Median	9.60	0.000
Std Dev	9.60	1.000
14	9.60	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
32	5.63	-6.209
Std Dev	5.24	-1.000
34	5.22	-0.670
23	5.21	-0.536
23	5.17	0.000
Median	5.17	0.000
24	5.12	0.737
24	5.12	0.737
Std Dev	5.10	1.000
9	5.05	1.675

144.XX Sulfate Sulfur (S)		
Lab		Total Method
14	9.61	-1.659
14	9.60	-1.655
61	8.72	-1.324
61	8.65	-1.297
Std Dev	7.86	-1.000
32	5.63	-0.156
34	5.22	0.000
Median	5.22	0.000
23	5.21	0.004
23	5.17	0.019
24	5.12	0.040
24	5.12	0.040
9	5.05	0.066

145.99 Total Sulfur (S)		
Lab		Other
34	10.22	-1.443
Std Dev	10.21	-1.000

23	10.19	0.000
Median	10.19	0.000
Std Dev	10.16	1.000
23	10.16	1.237

145.XX Total Sulfur (S)		
Lab		Total Method
34	10.22	-1.443
Std Dev	10.21	-1.000
23	10.19	0.000
Median	10.19	0.000
Std Dev	10.16	1.000
23	10.16	1.237

151.30 Total Arsenic		
Lab		ICP
24	8.12	-2.680
Std Dev	3.03	-1.000
61	0.00	0.000
61	0.00	0.000
Median	0.00	0.000

151.XX Total Arsenic		
Lab		Total Method
24	8.12	-2.680
Std Dev	3.03	-1.000
61	0.00	0.000
61	0.00	0.000
Median	0.00	0.000

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	36.30	0.000
Median	36.30	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	36.30	0.000
Median	36.30	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
61	4.00	0.000
61	4.00	0.000

Median	4.00	0.000
Std Dev	3.70	1.000
9	3.20	2.680

181.99 Total Cadmium		
Lab		Other
24	3.39	0.000
Median	3.39	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
61	4.00	-0.622
61	4.00	-0.622
Median	3.70	0.000
24	3.39	0.622
Std Dev	3.20	1.000
9	3.20	1.009

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
9	1.44	-1.876
14	1.43	-1.608
14	1.42	-1.340
Std Dev	1.41	-1.000
32	1.39	-0.402
24	1.37	0.000
24	1.37	0.000
34	1.37	0.000
Median	1.37	0.000
23	1.36	0.268
23	1.35	0.670
61	1.35	0.670
Std Dev	1.33	1.000
61	1.32	1.340

190.99 Aluminum		
Lab	%Al ₂ O ₃	Atomic Absorption
31	1.32	0.000
Median	1.32	0.000

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
9	1.44	-1.924
14	1.43	-1.649

14	1.42	-1.374
Std Dev	1.41	-1.000
32	1.39	-0.412
24	1.37	0.000
24	1.37	0.000
34	1.37	0.000
Median	1.37	0.000
23	1.36	0.275
23	1.35	0.687
61	1.35	0.687
Std Dev	1.33	1.000
31	1.32	1.374
61	1.32	1.374

191.30 Total Chromium		
Lab	ICP	
9	71.00	-1.489
Std Dev	69.77	-1.000
31	68.50	-0.496
Median	67.25	0.000
61	66.00	0.496
61	65.00	0.893

191.99 Total Chromium		
Lab	PPM	Other
24	62.50	0.000
Median	62.50	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
9	71.00	-1.914
Std Dev	68.61	-1.000
31	68.50	-0.957
61	66.00	0.000
Median	66.00	0.000
61	65.00	0.383
Std Dev	63.39	1.000
24	62.50	1.340

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
61	3.00	0.000
61	3.00	0.000
Median	3.00	0.000

Std Dev	2.91	1.000
9	2.75	2.680

202.99 Acid Soluble Cobalt		
Lab		Other
24	2.60	0.000
Median	2.60	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
61	3.00	-0.583
61	3.00	-0.583
Median	2.88	0.000
9	2.75	0.583
Std Dev	2.66	1.000
24	2.60	1.282

221.30 Acid Soluble Copper		
Lab	PPM	ICP
61	2.00	0.000
61	2.00	0.000
Median	2.00	0.000

221.99 Acid Soluble Copper		
Lab		Other
24	2.56	0.000
Median	2.56	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
24	2.56	-2.680
Std Dev	2.21	-1.000
61	2.00	0.000
61	2.00	0.000
Median	2.00	0.000

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
34	1.52	-0.670
14	1.51	-0.402
14	1.51	-0.402
24	1.51	-0.402
24	1.51	-0.268
23	1.50	-0.134

Median	1.50	0.000
23	1.49	0.134
31	1.47	0.670
32	1.46	0.938
61	1.46	0.938
Std Dev	1.46	1.000
9	1.45	1.340
61	1.44	1.608

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
34	1.52	-0.670
14	1.51	-0.402
14	1.51	-0.402
24	1.51	-0.402
24	1.51	-0.268
23	1.50	-0.134
Median	1.50	0.000
23	1.49	0.134
31	1.47	0.670
32	1.46	0.938
61	1.46	0.938
Std Dev	1.46	1.000
9	1.45	1.340
61	1.44	1.608

251.30 Total Lead		
Lab	PPM	ICP
61	1.00	0.000
61	1.00	0.000
Median	1.00	0.000

251.99 Total Lead		
Lab		Other
24	1.69	0.000
Median	1.69	0.000

251.XX Total Lead		
Lab	PPM	Total Method
24	1.69	-2.680
Std Dev	1.26	-1.000
61	1.00	0.000
61	1.00	0.000
Median	1.00	0.000

261.30 Acid Soluble Manganese		
Lab		ICP
9	293.00	-1.340
Std Dev	292.30	-1.000
Median	290.25	0.000
Std Dev	288.20	1.000
31	287.50	1.340

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	276.00	-0.838
61	271.00	0.000
Median	271.00	0.000
Std Dev	265.03	1.000
24	260.00	1.843

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
9	293.00	-1.381
Std Dev	288.31	-1.000
31	287.50	-0.934
61	276.00	0.000
Median	276.00	0.000
61	271.00	0.406
Std Dev	263.69	1.000
24	260.00	1.299

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	11.35	0.000

Median	11.35	0.000
--------	-------	-------

289.XX Total Molybdenum		
Lab	PPM	Total Method
61	12.00	-0.591
61	12.00	-0.591
Median	11.68	0.000
24	11.35	0.591
Std Dev	11.12	1.000
9	11.00	1.226

291.30 Total Nickel		
Lab	ICP	
61	14.00	0.000
61	14.00	0.000
Median	14.00	0.000
Std Dev	13.81	1.000
9	13.50	2.680

291.99 Total Nickel		
Lab	PPM	Other
24	15.85	0.000
Median	15.85	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
24	15.85	-4.220
Std Dev	14.44	-1.000
61	14.00	0.000
61	14.00	0.000
Median	14.00	0.000
Std Dev	13.56	1.000
9	13.50	1.140

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

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

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbion
61	0.16	0.000
Median	0.16	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
24	0.17	-0.447
61	0.17	-0.447
23	0.17	0.000
Median	0.17	0.000
23	0.16	0.893
24	0.16	0.893

311.XX Sodium		
Lab	%Na ₂ O	Total Method
24	0.17	-0.804
61	0.17	-0.804
23	0.17	-0.268
Median	0.16	0.000
61	0.16	0.268
23	0.16	0.804
24	0.16	0.804

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
23	1.06	-0.536
34	1.06	-0.536
9	1.05	-0.322
23	1.05	-0.322
Median	1.04	0.000
24	1.02	0.322
24	1.02	0.322
Std Dev	0.99	1.000
61	0.90	2.894
61	0.89	3.109

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
23	1.06	-0.536
34	1.06	-0.536
9	1.05	-0.322
23	1.05	-0.322
Median	1.04	0.000

24	1.02	0.322
24	1.02	0.322
Std Dev	0.99	1.000
61	0.90	2.894
61	0.89	3.109

325.10 Fluoride		
Lab	%	Electrode
23	1.84	-1.426
23	1.83	-1.340
32	1.75	-0.692
34	1.68	-0.086
24	1.67	0.000
Median	1.67	0.000
9	1.67	0.043
24	1.60	0.648
31	1.43	2.075
14	1.36	2.680

325.99 Fluoride		
Lab	%	Other
61	1.69	-0.160
61	1.67	0.000
Median	1.67	0.000
14	1.35	2.520

325.XX Fluoride		
Lab	%	Total Method
23	1.84	-1.522
23	1.83	-1.431
32	1.75	-0.749
61	1.69	-0.159
34	1.68	-0.114
24	1.67	-0.023
Median	1.67	0.000
9	1.67	0.023
61	1.67	0.023
24	1.60	0.659
31	1.43	2.158
14	1.36	2.794
14	1.35	2.884