

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

001.99 Ammoniacal Nitrogen		
Lab	Other	
32	11.04	-1.340
34	11.04	-1.340
Std Dev	11.03	-1.000
24	10.99	-0.058
Median	10.98	0.000
23	10.98	0.058
23	10.97	0.408
Std Dev	10.94	1.000
24	10.84	3.321

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
31	11.26	-5.360
32	11.04	-1.092
34	11.04	-1.092
Std Dev	11.04	-1.000
24	10.99	0.000
Median	10.99	0.000
23	10.98	0.099
23	10.97	0.397
Std Dev	10.93	1.000
24	10.84	2.879

010.11 Total Nitrogen		
Lab	Modified Comprehensive	
61	11.17	-1.340
Std Dev	11.16	-1.000
Median	11.12	0.000
Std Dev	11.07	1.000
61	11.06	1.340

010.60 Total Nitrogen		
Lab	Combustion	
31	11.38	-7.731
9	11.06	-1.134
Std Dev	11.05	-1.000
14	11.00	0.000

14	11.00	0.000
Median	11.00	0.000
79	10.97	0.722
24	10.96	0.825
Std Dev	10.95	1.000
24	10.95	1.031

010.99 Total Nitrogen		
Lab	Other	
32	11.04	0.000
Median	11.04	0.000

010.XX Total Nitrogen		
Lab	Total Method	
31	11.38	-5.596
61	11.17	-2.365
Std Dev	11.08	-1.000
61	11.06	-0.631
9	11.06	-0.552
32	11.04	-0.315
Median	11.02	0.000
14	11.00	0.315
14	11.00	0.315
79	10.97	0.867
24	10.96	0.946
Std Dev	10.96	1.000
24	10.95	1.104

020.20 Total Phosphate		
Lab	Spectrometric	
31	53.37	-17.569
9	52.44	-3.797
34	52.31	-1.861
32	52.26	-1.042
Std Dev	52.25	-1.000
61	52.21	-0.298
14	52.19	0.000
24	52.19	0.000
Median	52.19	0.000
23	52.18	0.074
14	52.17	0.298
23	52.17	0.298
79	52.15	0.521
Std Dev	52.12	1.000

24	51.91	4.169
61	51.90	4.243

020.XX Total Phosphate		
Lab	Total Method	
31	53.37	-17.569
9	52.44	-3.797
34	52.31	-1.861
32	52.26	-1.042
Std Dev	52.25	-1.000
61	52.21	-0.298
14	52.19	0.000
24	52.19	0.000
Median	52.19	0.000
23	52.18	0.074
14	52.17	0.298
23	52.17	0.298
79	52.15	0.521
Std Dev	52.12	1.000
24	51.91	4.169
61	51.90	4.243

030.20 Insoluble Phosphate		
Lab	Spectrometric	
61	0.11	-1.591
Std Dev	0.09	-1.000
61	0.08	-0.754
24	0.08	-0.586
14	0.06	-0.084
14	0.06	-0.084
Median	0.06	0.000
23	0.06	0.084
23	0.04	0.754
24	0.03	0.921
Std Dev	0.03	1.000
32	0.03	1.089
79	0.01	1.591

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

030.40 Insoluble Phosphate		
Lab	Automated	
9	0.03	0.000
34	0.03	0.000
Median	0.03	0.000

030.XX Insoluble Phosphate		
Lab	Total Method	
31	0.14	-2.382
61	0.11	-1.489
Std Dev	0.09	-1.000
61	0.08	-0.744
24	0.08	-0.596
14	0.06	-0.149
14	0.06	-0.149
23	0.06	0.000
Median	0.06	0.000
23	0.04	0.596
9	0.03	0.744
24	0.03	0.744
34	0.03	0.744
32	0.03	0.893
Std Dev	0.02	1.000
79	0.01	1.340

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
31	53.23	-39.485
24	52.16	-1.072
Std Dev	52.15	-1.000
23	52.15	-0.715
79	52.14	-0.536
14	52.13	0.000
61	52.13	0.000
Median	52.13	0.000
23	52.11	0.536
14	52.11	0.715
Std Dev	52.10	1.000
24	51.83	10.541
61	51.80	11.792

040.99 Indirect Available Phosphate		
Lab	Other	
9	52.41	-1.340

Std Dev	52.39	-1.000
Median	52.35	0.000
Std Dev	52.31	1.000
34	52.29	1.340

040.XX Indirect Available Phosphate		
Lab	Total Method	
31	53.23	-18.383
9	52.41	-4.648
34	52.29	-2.638
Std Dev	52.19	-1.000
24	52.16	-0.377
23	52.15	-0.209
79	52.14	-0.126
Median	52.13	0.000
14	52.13	0.126
61	52.13	0.126
23	52.11	0.377
14	52.11	0.461
Std Dev	52.07	1.000
24	51.83	5.067
61	51.80	5.653

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
31	48.36	-3.038
Std Dev	47.05	-1.000
14	47.05	-0.997
32	47.00	-0.919
14	46.91	-0.771
79	46.70	-0.444
61	46.41	0.000
Median	46.41	0.000
23	46.20	0.335
23	46.17	0.374
24	46.02	0.615
61	45.99	0.662
24	45.90	0.795

048.99 Water Soluble Phosphate		
Lab	Other	
9	46.55	-1.340
Std Dev	46.49	-1.000
Median	46.33	0.000

Std Dev	46.17	1.000
34	46.12	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
31	48.36	-3.329
14	47.05	-1.092
32	47.00	-1.007
Std Dev	47.00	-1.000
14	46.91	-0.845
79	46.70	-0.486
9	46.55	-0.230
61	46.41	0.000
Median	46.41	0.000
23	46.20	0.367
23	46.17	0.410
34	46.12	0.495
24	46.02	0.674
61	45.99	0.725
24	45.90	0.871

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
23	0.35	0.000
23	0.35	0.000
Median	0.35	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
61	0.35	-0.487
61	0.35	-0.487
Median	0.34	0.000
24	0.33	0.487
Std Dev	0.31	1.000
24	0.30	1.949

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
23	0.35	-0.357
23	0.35	-0.357
61	0.35	0.000
61	0.35	0.000
Median	0.35	0.000
Std Dev	0.33	1.000

24	0.33	1.429
24	0.30	3.573

060.00 Free Water		
Lab	Vacuum Oven	
79	2.91	-0.857
23	2.85	-0.694
24	2.83	-0.653
23	2.83	-0.639
32	2.80	-0.571
34	2.59	0.000
Median	2.59	0.000
9	2.58	0.027
24	2.49	0.286
Std Dev	2.22	1.000
14	2.19	1.102
14	2.16	1.184
31	2.09	1.374

060.10 Free Water		
Lab	Vacuum Desiccate	
61	3.46	-1.340
Std Dev	3.44	-1.000
Median	3.40	0.000
Std Dev	3.35	1.000
61	3.34	1.340

060.XX Free Water		
Lab	Total Method	
61	3.46	-2.438
61	3.34	-2.010
Std Dev	3.07	-1.000
79	2.91	-0.391
23	2.85	-0.168
24	2.83	-0.112
23	2.83	-0.093
32	2.80	0.000
Median	2.80	0.000
34	2.59	0.782
9	2.58	0.819
Std Dev	2.53	1.000
24	2.49	1.173
14	2.19	2.289
14	2.16	2.401

31	2.09	2.661
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101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
31	0.54	-8.040
34	0.37	-1.031
61	0.37	-1.031
Std Dev	0.37	-1.000
32	0.36	-0.618
61	0.36	-0.618
24	0.35	-0.206
Median	0.35	0.000
24	0.34	0.206
9	0.33	0.618
14	0.33	0.618
14	0.33	0.618
23	0.33	0.618
Std Dev	0.32	1.000
23	0.32	1.031

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
31	0.54	-8.040
34	0.37	-1.031
61	0.37	-1.031
Std Dev	0.37	-1.000
32	0.36	-0.618
61	0.36	-0.618
24	0.35	-0.206
Median	0.35	0.000
24	0.34	0.206
9	0.33	0.618
14	0.33	0.618
14	0.33	0.618
23	0.33	0.618
Std Dev	0.32	1.000
23	0.32	1.031

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
23	2.44	-1.210
Std Dev	2.41	-1.000
23	2.37	-0.692
24	2.36	-0.622

24	2.34	-0.484
9	2.28	-0.069
61	2.27	0.000
61	2.27	0.000
Median	2.27	0.000
32	2.20	0.484
34	2.15	0.795
14	2.14	0.899
14	2.14	0.899
Std Dev	2.12	1.000
31	0.93	9.233

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
23	2.44	-1.210
Std Dev	2.41	-1.000
23	2.37	-0.692
24	2.36	-0.622
24	2.34	-0.484
9	2.28	-0.069
61	2.27	0.000
61	2.27	0.000
Median	2.27	0.000
32	2.20	0.484
34	2.15	0.795
14	2.14	0.899
14	2.14	0.899
Std Dev	2.12	1.000
31	0.93	9.233

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
61	1.35	-1.340
Std Dev	1.34	-1.000
Median	1.33	0.000
Std Dev	1.32	1.000
61	1.31	1.340

144.70 Sulfur		
Lab		Spectrometric
14	1.33	0.000
14	1.33	0.000
Median	1.33	0.000

144.99 Sulfate Sulfur (S)		
Lab		Other
34	1.42	-2.338
Std Dev	1.36	-1.000
24	1.35	-0.741
9	1.34	-0.399
23	1.33	-0.285
Median	1.32	0.000
23	1.31	0.285
31	1.29	0.741
Std Dev	1.27	1.000
24	1.27	1.197
32	1.20	2.794

144.XX Sulfate Sulfur (S)		
Lab		Total Method
34	1.42	-3.112
Std Dev	1.36	-1.000
24	1.35	-0.692
61	1.35	-0.692
9	1.34	-0.173
14	1.33	0.000
14	1.33	0.000
23	1.33	0.000
Median	1.33	0.000
61	1.31	0.692
23	1.31	0.865
Std Dev	1.30	1.000
31	1.29	1.556
24	1.27	2.248
32	1.20	4.668

151.30 Total Arsenic		
Lab		ICP
24	4.06	0.000
Median	4.06	0.000

151.XX Total Arsenic		
Lab		Total Method
24	4.06	0.000
Median	4.06	0.000

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	123.00	0.000
Median	123.00	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	123.00	0.000
Median	123.00	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
9	47.70	-0.586
61	47.00	0.000
Median	47.00	0.000
Std Dev	45.81	1.000
61	44.50	2.094

181.99 Total Cadmium		
Lab		Other
24	47.50	0.000
Median	47.50	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
9	47.70	-0.513
24	47.50	-0.285
Median	47.25	0.000
61	47.00	0.285
Std Dev	46.37	1.000
61	44.50	3.136

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
9	1.24	-1.021
Std Dev	1.24	-1.000
14	1.22	-0.383
14	1.22	-0.383
34	1.21	-0.255
23	1.21	-0.128
24	1.20	0.000
Median	1.20	0.000
23	1.17	0.766
24	1.17	0.893
Std Dev	1.16	1.000
32	1.16	1.149

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
31	1.69	-12.443
Std Dev	1.24	-1.000
9	1.24	-0.957
14	1.22	-0.319
14	1.22	-0.319
34	1.21	-0.191
23	1.21	-0.064
Median	1.20	0.000
24	1.20	0.064
23	1.17	0.830
24	1.17	0.957
Std Dev	1.16	1.000
32	1.16	1.212
61	1.15	1.340
61	1.14	1.595

191.30 Total Chromium		
Lab		ICP
31	580.50	-4.637
Std Dev	491.28	-1.000
61	467.50	-0.031
Median	466.75	0.000
9	466.00	0.031
61	453.50	0.540

191.99 Total Chromium		
Lab	PPM	Other
24	407.00	0.000
Median	407.00	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
31	580.50	-10.959
Std Dev	476.45	-1.000

61	467.50	-0.144
9	466.00	0.000
Median	466.00	0.000
Std Dev	455.55	1.000
61	453.50	1.196
24	407.00	5.647

202.30		Acid Soluble Cobalt	
Lab	PPM	ICP	
9	3.65	-1.515	
Std Dev	3.43	-1.000	
61	3.00	0.000	
Median	3.00	0.000	
Std Dev	2.57	1.000	
61	2.50	1.165	

202.99		Acid Soluble Cobalt	
Lab	PPM	Other	
24	1.52	0.000	
Median	1.52	0.000	

202.XX		Acid Soluble Cobalt	
Lab	PPM	Total Method	
9	3.65	-1.329	
Std Dev	3.43	-1.000	
61	3.00	-0.369	
Median	2.75	0.000	
61	2.50	0.369	
Std Dev	2.07	1.000	
24	1.52	1.816	

221.30		Acid Soluble Copper	
Lab	PPM	ICP	
61	2.00	-2.412	
Std Dev	1.47	-1.000	
9	1.10	0.000	
Median	1.10	0.000	
61	1.00	0.268	

221.99		Acid Soluble Copper	
Lab	PPM	Other	
24	1.17	0.000	
Median	1.17	0.000	

221.XX		Acid Soluble Copper	
Lab	PPM	Total Method	
61	2.00	-3.832	
Std Dev	1.36	-1.000	
24	1.17	-0.155	
Median	1.14	0.000	
9	1.10	0.155	
61	1.00	0.598	

241.30		Acid Soluble Iron	
Lab	%Fe ₂ O ₃	ICP	
32	2.52	-5.522	
34	2.25	-1.137	
Std Dev	2.24	-1.000	
23	2.23	-0.812	
24	2.23	-0.812	
24	2.21	-0.406	
14	2.18	0.000	
14	2.18	0.000	
Median	2.18	0.000	
9	2.17	0.162	
23	2.15	0.487	
61	2.14	0.650	
61	2.14	0.731	
Std Dev	2.12	1.000	
31	1.13	17.136	

241.XX		Acid Soluble Iron	
Lab	%Fe ₂ O ₃	Total Method	
32	2.52	-5.522	
34	2.25	-1.137	
Std Dev	2.24	-1.000	
23	2.23	-0.812	
24	2.23	-0.812	
24	2.21	-0.406	
14	2.18	0.000	
14	2.18	0.000	
Median	2.18	0.000	
9	2.17	0.162	
23	2.15	0.487	
61	2.14	0.650	
61	2.14	0.731	
Std Dev	2.12	1.000	
31	1.13	17.136	

251.30		Total Lead	
Lab	PPM	ICP	
9	0.40	0.000	
Median	0.40	0.000	

251.99		Total Lead	
Lab	PPM	Other	
24	<0.27	0.000	
Median	0.00	0.000	

251.XX		Total Lead	
Lab	PPM	Total Method	
24	<0.27	0.000	
9	0.40	0.000	
Median	0.40	0.000	

261.30		Acid Soluble Manganese	
Lab	PPM	ICP	
31	183.00	-1.340	
Std Dev	172.57	-1.000	
Median	141.90	0.000	
Std Dev	111.23	1.000	
9	100.80	1.340	

261.99		Acid Soluble Manganese	
Lab	PPM	Other	
24	95.50	-1.340	
Std Dev	95.12	-1.000	
61	94.00	0.000	
Median	94.00	0.000	
Std Dev	92.88	1.000	
61	92.50	1.340	

261.XX		Acid Soluble Manganese	
Lab	PPM	Total Method	
31	183.00	-17.243	
9	100.80	-1.044	
Std Dev	100.57	-1.000	
24	95.50	0.000	
Median	95.50	0.000	
61	94.00	0.296	
61	92.50	0.591	

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	20.50	0.000	
Median	20.50	0.000	

289.XX		Total Molybdenum	
Lab	PPM	Total Method	
9	20.95	-0.723	
24	20.50	-0.556	
Median	19.00	0.000	
61	17.50	0.556	
Std Dev	16.30	1.000	
61	15.50	1.298	

291.30		Total Nickel	
Lab	PPM	ICP	
9	58.45	-2.292	
Std Dev	56.79	-1.000	
61	55.50	0.000	
Median	55.50	0.000	
61	55.00	0.388	

291.99		Total Nickel	
Lab	PPM	Other	
24	55.70	0.000	
Median	55.70	0.000	

291.XX		Total Nickel	
Lab	PPM	Total Method	
9	58.45	-3.772	
Std Dev	56.36	-1.000	

24	55.70	-0.132
Median	55.60	0.000
61	55.50	0.132
61	55.00	0.794

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	0.37	0.000
Median	0.37	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
23	0.38	-1.340
Std Dev	0.37	-1.000
24	0.37	0.000
61	0.37	0.000
Median	0.37	0.000
Std Dev	0.37	1.000
23	0.37	1.340
24	0.36	2.680

311.XX Sodium		
Lab	%Na ₂ O	Total Method
23	0.38	-1.787
Std Dev	0.37	-1.000
24	0.37	0.000
61	0.37	0.000
61	0.37	0.000
Median	0.37	0.000
Std Dev	0.37	1.000
23	0.37	1.787
24	0.36	3.573

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
9	809.50	-4.180
Std Dev	762.33	-1.000
61	749.50	-0.135
Median	747.50	0.000
61	745.50	0.135
24	742.00	0.371

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
9	809.50	-4.180
Std Dev	762.33	-1.000
61	749.50	-0.135
Median	747.50	0.000
61	745.50	0.135
24	742.00	0.371

325.10 Fluoride		
Lab	%	Electrode
31	1.37	-18.760
32	0.78	-1.191
23	0.77	-0.893
23	0.76	-0.744
24	0.74	0.000
Median	0.74	0.000
14	0.72	0.447
24	0.72	0.447
34	0.71	0.744
9	0.70	1.042

325.99 Fluoride		
Lab	%	Other
61	0.74	-1.340
14	0.73	0.000
Median	0.73	0.000
61	0.72	1.340

325.XX Fluoride		
Lab	%	Total Method
31	1.37	-20.021
32	0.78	-1.419
23	0.77	-1.104
23	0.76	-0.946

24	0.74	-0.158
61	0.74	-0.158
Median	0.73	0.000
14	0.73	0.158
14	0.72	0.315
24	0.72	0.315
61	0.72	0.473
34	0.71	0.631
9	0.70	0.946