

001.99 Ammoniacal Nitrogen		
Lab	Other	
61	18.47	-1.898
31	18.45	-1.005
Std Dev	18.44	-1.000
24	18.43	-0.335
Median	18.42	0.000
61	18.42	0.335
34	18.41	0.558
Std Dev	18.40	1.000
24	18.39	1.452

001.XX Ammoniacal Nitrogen		
Lab	Total Method	
61	18.47	-1.898
31	18.45	-1.005
Std Dev	18.44	-1.000
24	18.43	-0.335
Median	18.42	0.000
61	18.42	0.335
34	18.41	0.558
Std Dev	18.40	1.000
24	18.39	1.452

010.60 Total Nitrogen		
Lab	Combustion	
24	18.47	-1.825
24	18.45	-1.597
Std Dev	18.40	-1.000
9	18.34	-0.342
31	18.31	0.000
Median	18.31	0.000
79	18.29	0.285
14	18.27	0.456
14	18.26	0.627

010.99 Total Nitrogen		
Lab	Other	
34	18.52	-1.855
Std Dev	18.46	-1.000
23	18.39	0.000
Median	18.39	0.000
23	18.33	0.825

010.XX Total Nitrogen		
Lab	Total Method	
34	18.52	-1.763
24	18.47	-1.293
24	18.45	-1.105
Std Dev	18.44	-1.000
23	18.39	-0.494
9	18.34	-0.071
Median	18.33	0.000
23	18.33	0.071
31	18.31	0.212
79	18.29	0.447
14	18.27	0.588
14	18.26	0.729

020.20 Total Phosphate		
Lab	Spectrometric	
61	47.41	-5.416
61	47.15	-3.985
Std Dev	46.62	-1.000
24	46.58	-0.786
34	46.56	-0.674
9	46.51	-0.393
24	46.49	-0.281
Median	46.44	0.000
31	46.39	0.281
14	46.35	0.505
23	46.33	0.617
14	46.32	0.702
23	46.31	0.758
Std Dev	46.26	1.000
79	46.23	1.207

020.50 Total Phosphate		
Lab	ICP	
9	46.53	0.000
Median	46.53	0.000

020.XX Total Phosphate		
Lab	Total Method	
61	47.41	-5.331
61	47.15	-3.845
Std Dev	46.66	-1.000
24	46.58	-0.524

34	46.56	-0.408
9	46.53	-0.233
9	46.51	-0.117
24	46.49	0.000
Median	46.49	0.000
31	46.39	0.583
14	46.35	0.816
23	46.33	0.932
Std Dev	46.32	1.000
14	46.32	1.020
23	46.31	1.078
79	46.23	1.544

030.20 Insoluble Phosphate		
Lab	Spectrometric	
61	0.12	-3.776
14	0.07	-1.584
14	0.06	-1.096
Std Dev	0.06	-1.000
24	0.05	-0.609
61	0.04	-0.122
Median	0.04	0.000
31	0.04	0.122
23	0.03	0.365
24	0.03	0.365
79	0.03	0.365
23	0.03	0.609

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.05	-1.340
Std Dev	0.05	-1.000
Median	0.04	0.000
Std Dev	0.03	1.000
9	0.03	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
61	0.12	-4.616
14	0.07	-1.936
14	0.06	-1.340
Std Dev	0.05	-1.000
24	0.05	-0.744
34	0.05	-0.744

61	0.04	-0.149
Median	0.04	0.000
31	0.04	0.149
9	0.03	0.447
23	0.03	0.447
24	0.03	0.447
79	0.03	0.447
23	0.03	0.744

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
61	47.29	-5.547
61	47.11	-4.510
24	46.53	-1.167
Std Dev	46.50	-1.000
24	46.46	-0.764
31	46.36	-0.158
Median	46.33	0.000
23	46.30	0.158
14	46.28	0.274
23	46.28	0.274
79	46.20	0.764
14	46.16	0.994

040.99 Indirect Available Phosphate		
Lab	Other	
34	46.51	-1.340
Std Dev	46.51	-1.000
Median	46.50	0.000
Std Dev	46.48	1.000
9	46.48	1.340

040.XX Indirect Available Phosphate		
Lab	Total Method	
61	47.29	-5.032
61	47.11	-4.006
Std Dev	46.58	-1.000
24	46.53	-0.699
34	46.51	-0.584
9	46.48	-0.413
24	46.46	-0.299
Median	46.41	0.000
31	46.36	0.299
23	46.30	0.613

14	46.28	0.727
23	46.28	0.727
Std Dev	46.23	1.000
79	46.20	1.212
14	46.16	1.440

048.20 Water Soluble Phosphate Spectrometric		
Lab		
61	44.40	-1.644
Std Dev	44.20	-1.000
9	44.16	-0.855
61	44.16	-0.855
31	44.07	-0.543
24	44.02	-0.395
24	43.90	0.000
Median	43.90	0.000
23	43.73	0.559
23	43.72	0.608
79	43.70	0.674
Std Dev	43.60	1.000
14	43.11	2.598
14	43.08	2.696

048.99 Water Soluble Phosphate Other		
Lab		
34	44.01	0.000
Median	44.01	0.000

048.XX Water Soluble Phosphate Total Method		
Lab		
61	44.40	-1.574
Std Dev	44.24	-1.000
9	44.16	-0.725
61	44.16	-0.725
31	44.07	-0.389
24	44.02	-0.230
34	44.01	-0.195
Median	43.96	0.000
24	43.90	0.195
23	43.73	0.796
23	43.72	0.849
79	43.70	0.920
Std Dev	43.67	1.000
14	43.11	2.990

14	43.08	3.096
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050.50 %K ₂ O Soluble Potash ICP(Oxalate)		
Lab		
23	0.21	0.000
23	0.21	0.000
Median	0.21	0.000

050.99 %K ₂ O Soluble Potash Other		
Lab		
61	0.21	-0.596
61	0.21	-0.596
Median	0.20	0.000
24	0.19	0.596
Std Dev	0.18	1.000
24	0.18	1.191

050.XX %K ₂ O Soluble Potash Total Method		
Lab		
23	0.21	0.000
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	0.18	2.680

060.00 Free Water Vacuum Oven		
Lab		
24	1.51	-1.316
Std Dev	1.46	-1.000
9	1.44	-0.867
31	1.40	-0.610
79	1.39	-0.514
24	1.38	-0.481
Median	1.31	0.000
23	1.23	0.481
23	1.21	0.610
34	1.18	0.802
Std Dev	1.15	1.000
14	0.99	2.054
14	0.99	2.054

060.10 Free Water Vacuum Desiccate		
Lab		
61	1.68	-1.340
Std Dev	1.68	-1.000
Median	1.67	0.000
Std Dev	1.67	1.000
61	1.67	1.340

060.XX Free Water Total Method		
Lab		
61	1.68	-1.563
61	1.67	-1.485
Std Dev	1.57	-1.000
24	1.51	-0.670
9	1.44	-0.302
31	1.40	-0.092
79	1.39	-0.013
Median	1.38	0.000
24	1.38	0.013
23	1.23	0.801
23	1.21	0.906
Std Dev	1.19	1.000
34	1.18	1.064
14	0.99	2.089
14	0.99	2.089

101.30 %CaO Acid Soluble Calcium ICP		
Lab		
31	0.56	-2.412
61	0.54	-1.742
61	0.53	-1.474
Std Dev	0.51	-1.000
34	0.49	-0.536
9	0.47	0.000
23	0.47	0.000
Median	0.47	0.000
14	0.47	0.134
14	0.47	0.134
23	0.45	0.536
24	0.44	0.804
Std Dev	0.43	1.000
24	0.40	1.876

101.XX %CaO Acid Soluble Calcium Total Method		
Lab		
31	0.56	-2.412
61	0.54	-1.742
61	0.53	-1.474
Std Dev	0.51	-1.000
34	0.49	-0.536
9	0.47	0.000
23	0.47	0.000
Median	0.47	0.000
14	0.47	0.134
14	0.47	0.134
23	0.45	0.536
24	0.44	0.804
Std Dev	0.43	1.000
24	0.40	1.876

121.30 %MgO Acid Soluble Magnesium ICP		
Lab		
23	1.39	-1.787
24	1.38	-1.531
23	1.37	-1.149
Std Dev	1.36	-1.000
24	1.33	-0.255
61	1.33	-0.255
9	1.32	0.000
34	1.32	0.000
61	1.32	0.000
Median	1.32	0.000
Std Dev	1.28	1.000
14	1.27	1.276
31	1.27	1.404
14	1.25	1.914

121.XX %MgO Acid Soluble Magnesium Total Method		
Lab		
23	1.39	-1.787
24	1.38	-1.531
23	1.37	-1.149
Std Dev	1.36	-1.000
24	1.33	-0.255
61	1.33	-0.255
9	1.32	0.000
34	1.32	0.000

61	1.32	0.000
Median	1.32	0.000
Std Dev	1.28	1.000
14	1.27	1.276
31	1.27	1.404
14	1.25	1.914

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
61	2.12	-1.340
Std Dev	2.12	-1.000
Median	2.11	0.000
Std Dev	2.10	1.000
61	2.10	1.340

144.70 Sulfur		
Lab	Spectrometric	
14	2.35	-1.340
Std Dev	2.35	-1.000
Median	2.35	0.000
Std Dev	2.34	1.000
14	2.34	1.340

144.99 Sulfate Sulfur (S)		
Lab	Other	
23	2.32	-0.473
9	2.30	0.000
24	2.30	0.000
34	2.30	0.000
Median	2.30	0.000
23	2.30	0.158
Std Dev	2.27	1.000
24	2.22	2.522
31	2.17	4.256

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
14	2.35	-0.583
14	2.34	-0.466
23	2.32	-0.175
9	2.30	0.000
24	2.30	0.000
34	2.30	0.000
Median	2.30	0.000

23	2.30	0.058
24	2.22	0.932
Std Dev	2.21	1.000
31	2.17	1.573
61	2.12	2.097
61	2.10	2.330

151.30 Total Arsenic		
Lab	ICP	
61	<5.3	0.000
24	1.72	0.000
Median	1.72	0.000

151.XX Total Arsenic		
Lab	Total Method	
61	<5.3	0.000
24	1.72	0.000
Median	1.72	0.000

165.99 Acid Soluble Boron		
Lab	PPM	Other
24	88.80	0.000
Median	88.80	0.000

165.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
24	88.80	0.000
Median	88.80	0.000

181.30 Total Cadmium		
Lab	PPM	ICP
31	29.25	-0.536
61	29.00	0.000
Median	29.00	0.000
Std Dev	28.53	1.000
61	28.00	2.144

181.99 Total Cadmium		
Lab	Other	
24	32.40	0.000
Median	32.40	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method

24	32.40	-3.409
Std Dev	30.09	-1.000
31	29.25	-0.130
Median	29.13	0.000
61	29.00	0.130
Std Dev	28.16	1.000
61	28.00	1.171

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
31	0.61	-2.382
14	0.60	-1.489
Std Dev	0.59	-1.000
14	0.59	-0.893
23	0.58	-0.596
23	0.57	0.000
9	0.57	0.000
Median	0.57	0.000
24	0.56	0.596
24	0.56	0.596
34	0.56	0.596
Std Dev	0.55	1.000
61	0.55	1.489
61	0.54	1.787

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
31	0.61	-2.382
14	0.60	-1.489
Std Dev	0.59	-1.000
14	0.59	-0.893
23	0.58	-0.596
23	0.57	0.000
9	0.57	0.000
Median	0.57	0.000
24	0.56	0.596
24	0.56	0.596
34	0.56	0.596
Std Dev	0.55	1.000
61	0.55	1.489
61	0.54	1.787

191.30 Total Chromium		
Lab	ICP	

31	259.55	-2.091
Std Dev	257.70	-1.000
61	256.00	0.000
Median	256.00	0.000
61	255.00	0.589

191.99 Total Chromium		
Lab	PPM	Other
24	237.00	0.000
Median	237.00	0.000

191.XX Total Chromium		
Lab	PPM	Total Method
31	259.55	-0.850
61	256.00	-0.105
Median	255.50	0.000
61	255.00	0.105
Std Dev	250.73	1.000
24	237.00	3.881

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
61	1.60	-1.340
Std Dev	1.59	-1.000
Median	1.55	0.000
Std Dev	1.51	1.000
61	1.50	1.340

202.99 Acid Soluble Cobalt		
Lab	Other	
24	0.63	0.000
Median	0.63	0.000

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
61	1.60	-0.276
61	1.50	0.000
Median	1.50	0.000
Std Dev	1.14	1.000
24	0.63	2.404

221.30 Acid Soluble Copper		
Lab	PPM	ICP
61	<1	0.000

Median	0.00	0.000
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221.99 Acid Soluble Copper		
Lab	Other	
24	<0.10	0.000
Median	0.00	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
61	<1	0.000
24	<0.10	0.000
Median	0.00	0.000

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
24	0.68	-1.005
31	0.68	-1.005
Std Dev	0.68	-1.000
23	0.68	-0.670
14	0.67	-0.335
34	0.67	-0.335
23	0.67	0.000
Median	0.67	0.000
24	0.66	0.335
14	0.66	0.670
Std Dev	0.65	1.000
9	0.65	1.005
61	0.65	1.005
61	0.65	1.340

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
24	0.68	-1.005
31	0.68	-1.005
Std Dev	0.68	-1.000
23	0.68	-0.670
14	0.67	-0.335
34	0.67	-0.335
23	0.67	0.000
Median	0.67	0.000
24	0.66	0.335
14	0.66	0.670
Std Dev	0.65	1.000
9	0.65	1.005

61	0.65	1.005
61	0.65	1.340

251.30 Total Lead		
Lab	PPM	ICP
61	<2	0.000
Median	0.00	0.000

251.99 Total Lead		
Lab	Other	
24	<0.01	0.000
Median	0.00	0.000

251.XX Total Lead		
Lab	PPM	Total Method
61	<2	0.000
24	<0.01	0.000
Median	0.00	0.000

261.30 Acid Soluble Manganese		
Lab	ICP	
31	38.70	0.000
Median	38.70	0.000

261.99 Acid Soluble Manganese		
Lab	PPM	Other
61	36.50	-1.340
Std Dev	36.37	-1.000
61	36.00	0.000
Median	36.00	0.000
Std Dev	35.63	1.000
24	35.50	1.340

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
31	38.70	-2.794
Std Dev	37.13	-1.000
61	36.50	-0.285
Median	36.25	0.000
61	36.00	0.285
24	35.50	0.855

281.30 Total Mercury		
Lab	PPM	ICP
61	<0.09	0.000
Median	0.00	0.000

24	<0.09	0.000
Median	0.00	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
24	<0.09	0.000
Median	0.00	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP
61		
289.99 Total Molybdenum		
Lab	PPM	Other
24	4.06	0.000
Median	4.06	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
24	4.06	-2.532
Std Dev	3.03	-1.000
61	2.35	0.000
Median	2.35	0.000
61	2.25	0.148

291.30 Total Nickel		
Lab	ICP	
61	11.00	-1.340
Std Dev	10.94	-1.000
Median	10.75	0.000
Std Dev	10.56	1.000
61	10.50	1.340

291.99 Total Nickel		
Lab	PPM	Other
24	12.70	0.000
Median	12.70	0.000

291.XX Total Nickel		
Lab	PPM	Total Method
24	12.70	-2.071
Std Dev	11.82	-1.000
61	11.00	0.000
Median	11.00	0.000
61	10.50	0.609

301.30 Total Selenium		
Lab	PPM	ICP
61	<1.1	0.000
61	<1.1	0.000
24	<0.27	0.000
Median	0.00	0.000

301.XX Total Selenium		
Lab	PPM	Total Method
61	<1.1	0.000
61	<1.1	0.000
24	<0.27	0.000
Median	0.00	0.000

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbion
61	0.32	0.000
Median	0.32	0.000

311.99 Sodium		
Lab	%Na ₂ O	Other
23	0.33	-0.447
24	0.33	-0.447
23	0.33	0.000
Median	0.33	0.000
61	0.32	0.893
Std Dev	0.31	1.000
24	0.29	3.127

311.XX Sodium		
Lab	%Na ₂ O	Total Method
23	0.33	-0.975
24	0.33	-0.975
23	0.33	-0.487
Median	0.32	0.000
61	0.32	0.487
61	0.32	0.487
Std Dev	0.31	1.000
24	0.29	2.924

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
61	337.00	-0.335

61	334.50	0.000
Median	334.50	0.000
Std Dev	327.04	1.000
24	317.00	2.345

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
61	337.00	-0.335
61	334.50	0.000
Median	334.50	0.000
Std Dev	327.04	1.000
24	317.00	2.345

325.10		Fluoride
Lab	%	Electrode
24	1.35	-1.705
24	1.32	-0.731
34	1.32	-0.731
23	1.30	-0.081
Median	1.30	0.000
23	1.30	0.081
31	1.30	0.081
14	1.23	2.193
14	1.20	3.167

325.99		Fluoride
Lab	%	Other
61	1.49	-1.340
Median	1.46	0.000
61	1.43	1.340

325.XX		Fluoride
Lab	%	Total Method
61	1.49	-5.078
61	1.43	-3.244
24	1.35	-1.128
24	1.32	-0.282
34	1.32	-0.282
Median	1.31	0.000
23	1.30	0.282
23	1.30	0.423
31	1.30	0.423
14	1.23	2.257
14	1.20	3.103