

Feed Phosphate

010.60		Total Nitrogen	
Lab		Combustion	
123	0.17	-1.340	
Std Dev	0.15	-1.000	
Median	0.11	0.000	
Std Dev	0.07	1.000	
80	0.06	1.340	

010.XX		Total Nitrogen	
Lab		Total Method	
123	0.17	-1.340	
Std Dev	0.15	-1.000	
Median	0.11	0.000	
Std Dev	0.07	1.000	
80	0.06	1.340	

020.10		Total Phosphate	
Lab		Gravimetric Quimociac	
40	18.93	-2.538	
Std Dev	18.74	-1.000	
104	18.63	-0.102	
Median	18.62	0.000	
77	18.61	0.102	
Std Dev	18.49	1.000	
103	18.35	2.213	

020.20		Total Phosphate	
Lab		Spectrometric	
9	18.91	-1.434	
Std Dev	18.84	-1.000	
9	18.81	-0.855	
24	18.77	-0.635	
24	18.74	-0.442	
34	18.66	-0.028	
102	18.66	0.000	
Median	18.66	0.000	
61	18.60	0.332	
61	18.57	0.470	
Std Dev	18.47	1.000	
270	18.45	1.133	
123	18.03	3.454	
95	14.41	23.485	

020.40		Total Phosphate	
Lab		Automated	
44	19.61	-1.943	
Std Dev	19.25	-1.000	
66	19.05	-0.442	
Median	18.88	0.000	
31	18.72	0.442	
29	18.60	0.764	

020.99		Total Phosphate	
Lab		Other	
69	18.87	-2.184	
39	18.78	-1.241	
Std Dev	18.75	-1.000	
14	18.65	0.000	
Median	18.65	0.000	
14	18.64	0.099	
Std Dev	18.55	1.000	
79	18.34	3.077	

020.XX		Total Phosphate	
Lab		Total Method	
44	19.61	-6.548	
66	19.05	-2.698	
40	18.93	-1.908	
9	18.91	-1.801	
69	18.87	-1.495	
9	18.81	-1.081	
Std Dev	18.80	-1.000	
39	18.78	-0.842	
24	18.77	-0.808	
24	18.74	-0.567	
31	18.72	-0.430	
34	18.66	-0.052	
102	18.66	-0.017	
Median	18.65	0.000	
14	18.65	0.017	
14	18.64	0.086	
104	18.63	0.155	
77	18.61	0.327	
29	18.60	0.395	
61	18.60	0.395	
61	18.57	0.567	
Std Dev	18.51	1.000	

270	18.45	1.392
103	18.35	2.114
79	18.34	2.148
123	18.03	4.279
95	14.41	29.198

030.30		Insoluble Phosphate	
Lab		Alka. Quimociac	
24	9.36	-1.340	
Std Dev	9.33	-1.000	
Median	9.25	0.000	
Std Dev	9.17	1.000	
24	9.15	1.340	

030.99		Insoluble Phosphate	
Lab		Other	
69	1.51	0.000	
Median	1.51	0.000	

030.XX		Insoluble Phosphate	
Lab		Total Method	
24	9.36	-0.072	
24	9.15	0.000	
Median	9.15	0.000	
Std Dev	6.22	1.000	
69	1.51	2.608	

040.20		Indirect Available Phosphate	
Lab		Spectrometric	
24	9.63	-1.340	
Std Dev	9.59	-1.000	
Median	9.50	0.000	
Std Dev	9.41	1.000	
24	9.38	1.340	

040.99		Indirect Available Phosphate	
Lab		Other	
69	17.36	0.000	
Median	17.36	0.000	

040.XX		Indirect Available Phosphate	
Lab		Total Method	
69	17.36	-2.598	
Std Dev	12.60	-1.000	

24	9.63	0.000
Median	9.63	0.000
24	9.38	0.082

041.10		Direct Available Phosphate	
Lab		Gravimetric Quimociac	
49	20.66	0.000	
Median	20.66	0.000	

041.40		Direct Available Phosphate	
Lab		Automated	
49	20.64	-1.340	
Std Dev	20.45	-1.000	
Median	19.88	0.000	
Std Dev	19.31	1.000	
38	19.12	1.340	

041.50		Direct Available Phosphate	
Lab		ICP	
80	9.55	0.000	
Median	9.55	0.000	

041.XX		Direct Available Phosphate	
Lab		Total Method	
49	20.66	-0.267	
49	20.64	-0.260	
Median	19.88	0.000	
38	19.12	0.260	
Std Dev	16.96	1.000	
80	9.55	3.533	

048.20		Water Soluble Phosphate	
Lab		Spectrometric	
24	0.22	0.000	
24	0.22	0.000	
Median	0.22	0.000	

048.99		Water Soluble Phosphate	
Lab		Other	
123	0.20	-1.340	
Std Dev	0.18	-1.000	
Median	0.12	0.000	
Std Dev	0.06	1.000	
69	0.04	1.340	

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048.XX Water Soluble Phosphate		
Lab	Total Method	
24	0.22	-0.221
24	0.22	-0.221
Median	0.21	0.000
123	0.20	0.221
Std Dev	0.16	1.000
69	0.04	3.810

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	
69	0.07	0.000
Median	0.07	0.000

050.99 Soluble Potash		
Lab	%K ₂ O	Other
24	0.09	-0.429
102	0.09	0.000
Median	0.09	0.000
Std Dev	0.09	1.000
24	0.09	2.251

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
24	0.09	0.000
102	0.09	0.000
Median	0.00	0.000
24	0.09	0.000
Std Dev	0.00	1.000
69	0.07	0.000

060.00 Free Water		
Lab	Vacuum Oven	
69	0.20	-0.309
14	0.20	-0.103
Median	0.19	0.000
14	0.19	0.103
Std Dev	0.17	1.000
123	0.09	4.432

060.99 Free Water		
Lab	Other	
24	0.16	-0.383

24	0.15	0.000
Median	0.15	0.000
Std Dev	0.11	1.000
79	0.06	2.297

060.XX Free Water		
Lab	Total Method	
69	0.20	-0.692
14	0.20	-0.605
14	0.19	-0.519
24	0.16	0.000
Median	0.16	0.000
24	0.15	0.259
Std Dev	0.10	1.000
123	0.09	1.297
79	0.06	1.815

101.00 Acid Soluble Calcium		
Lab	%CaO	Atomic Absorption
270	31.16	0.000
Median	31.16	0.000

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
102	34.15	-10.777
9	31.80	-4.016
34	30.87	-1.351
Std Dev	30.75	-1.000
31	30.55	-0.417
14	30.41	-0.014
14	30.40	0.000
61	30.40	0.000
Median	30.40	0.000
9	30.37	0.082
61	30.30	0.287
Std Dev	30.05	1.000
66	29.74	1.897
39	28.97	4.110
69	26.89	10.088

101.99 Acid Soluble Calcium		
Lab	%CaO	Other
24	30.27	0.000
24	30.27	0.000

Median	30.27	0.000
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101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
102	34.15	-11.486
9	31.80	-4.280
270	31.16	-2.328
34	30.87	-1.440
Std Dev	30.73	-1.000
31	30.55	-0.444
14	30.41	-0.015
14	30.40	0.000
61	30.40	0.000
Median	30.40	0.000
9	30.37	0.087
61	30.30	0.306
24	30.27	0.398
24	30.27	0.398
Std Dev	30.07	1.000
66	29.74	2.021
39	28.97	4.380
69	26.89	10.751

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
102	0.57	-1.530
24	0.56	-1.327
Std Dev	0.55	-1.000
24	0.55	-0.950
9	0.54	-0.448
14	0.54	-0.384
39	0.53	-0.327
31	0.53	-0.007
Median	0.52	0.000
9	0.52	0.007
14	0.51	0.559
66	0.50	0.823
34	0.50	0.936
61	0.50	0.936
61	0.50	0.936
Std Dev	0.50	1.000
69	0.46	2.445

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
102	0.57	-1.530
24	0.56	-1.327
Std Dev	0.55	-1.000
24	0.55	-0.950
9	0.54	-0.448
14	0.54	-0.384
39	0.53	-0.327
31	0.53	-0.007
Median	0.52	0.000
9	0.52	0.007
14	0.51	0.559
66	0.50	0.823
34	0.50	0.936
61	0.50	0.936
61	0.50	0.936
Std Dev	0.50	1.000
69	0.46	2.445

131.00 Free Acid		
Lab	Acetone Method	
69	0.07	0.000
Median	0.07	0.000

144.99 Sulfate Sulfur (S)		
Lab	Other	
69	0.06	-1.013
Std Dev	0.06	-1.000
24	0.05	-0.411
Median	0.04	0.000
24	0.03	0.411
Std Dev	0.02	1.000
102	0.00	1.883

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
69	0.06	-1.013
Std Dev	0.06	-1.000
24	0.05	-0.411
Median	0.04	0.000
24	0.03	0.411
Std Dev	0.02	1.000
102	0.00	1.883

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151.30 Total Arsenic		
Lab	ICP	
69	<0.5	0.000
9	7.87	0.000
Median	7.87	0.000

151.99 Total Arsenic		
Lab	Other	
270	2.00	0.000
Median	2.00	0.000

151.XX Total Arsenic		
Lab	Total Method	
69	<0.5	0.000
9	7.87	-1.340
Std Dev	7.13	-1.000
Median	4.94	0.000
Std Dev	2.74	1.000
270	2.00	1.340

165.99 Acid Soluble Boron		
Lab	PPM	Other
69	297.00	-1.340
Std Dev	261.67	-1.000
Median	157.75	0.000
Std Dev	53.83	1.000
102	18.50	1.340

65.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
69	297.00	-1.340
Std Dev	261.67	-1.000
Median	157.75	0.000
Std Dev	53.83	1.000
102	18.50	1.340

181.30 Total Cadmium		
Lab	PPM	ICP
9	7.40	-1.752
Std Dev	7.03	-1.000
270	7.00	-0.938
9	6.55	0.000
Median	6.55	0.000

102	6.35	0.402
Std Dev	6.06	1.000
69	6.00	1.124

181.XX Total Cadmium		
Lab	PPM	Total Method
9	7.40	-1.752
Std Dev	7.03	-1.000
270	7.00	-0.938
9	6.55	0.000
Median	6.55	0.000
102	6.35	0.402
Std Dev	6.06	1.000
69	6.00	1.124

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
31	0.29	-1.625
24	0.28	-1.120
Std Dev	0.27	-1.000
24	0.26	-0.615
9	0.25	-0.325
14	0.25	-0.110
9	0.24	-0.058
Median	0.24	0.000
14	0.24	0.058
34	0.22	0.732
61	0.22	0.900
Std Dev	0.21	1.000
61	0.21	1.068
102	0.21	1.178
69	0.14	3.425

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
31	0.29	-1.625
24	0.28	-1.120
Std Dev	0.27	-1.000
24	0.26	-0.615
9	0.25	-0.325
14	0.25	-0.110
9	0.24	-0.058
Median	0.24	0.000
14	0.24	0.058

34	0.22	0.732
61	0.22	0.900
Std Dev	0.21	1.000
61	0.21	1.068
102	0.21	1.178
69	0.14	3.425

191.30 Total Chromium		
Lab	ICP	
102	105.20	-1.340
Std Dev	104.29	-1.000
Median	101.60	0.000
Std Dev	98.91	1.000
69	98.00	1.340

191.XX Total Chromium		
Lab	PPM	Total Method
102	105.20	-1.340
Std Dev	104.29	-1.000
Median	101.60	0.000
Std Dev	98.91	1.000
69	98.00	1.340

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
9	5.81	-2.451
Std Dev	3.34	-1.000
69	1.64	0.000
Median	1.64	0.000
102	1.25	0.229

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
9	5.81	-2.451
Std Dev	3.34	-1.000
69	1.64	0.000
Median	1.64	0.000
102	1.25	0.229

221.30 Acid Soluble Copper		
Lab	PPM	ICP
270	11.00	-1.251
Std Dev	10.72	-1.000
102	9.60	0.000

Median	9.60	0.000
Std Dev	8.48	1.000
69	8.00	1.429

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
270	11.00	-1.251
Std Dev	10.72	-1.000
102	9.60	0.000
Median	9.60	0.000
Std Dev	8.48	1.000
69	8.00	1.429

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
31	0.56	-1.479
24	0.55	-1.319
24	0.55	-1.239
Std Dev	0.53	-1.000
14	0.53	-0.999
14	0.53	-0.919
39	0.48	-0.199
9	0.47	-0.073
Median	0.47	0.000
66	0.46	0.073
9	0.46	0.095
34	0.46	0.121
61	0.44	0.441
61	0.43	0.601
102	0.41	0.994
Std Dev	0.41	1.000
69	0.34	2.041

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
31	0.56	-1.479
24	0.55	-1.319
24	0.55	-1.239
Std Dev	0.53	-1.000
14	0.53	-0.999
14	0.53	-0.919
39	0.48	-0.199
9	0.47	-0.073
Median	0.47	0.000

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66	0.46	0.073
9	0.46	0.095
34	0.46	0.121
61	0.44	0.441
61	0.43	0.601
102	0.41	0.994
Std Dev	0.41	1.000
69	0.34	2.041

251.30 Total Lead		
Lab	PPM	ICP
69	76.00	-4.155
Std Dev	26.50	-1.000
9	12.83	-0.128
Median	10.82	0.000
102	8.80	0.128
270	4.00	0.434

251.XX Total Lead		
Lab	PPM	Total Method
69	76.00	-4.155
Std Dev	26.50	-1.000
9	12.83	-0.128
Median	10.82	0.000
102	8.80	0.128
270	4.00	0.434

261.30 Acid Soluble Manganese		
Lab		ICP
69	40.00	-1.340
Std Dev	39.25	-1.000
Median	37.03	0.000
Std Dev	34.80	1.000
102	34.05	1.340

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
69	40.00	-1.340
Std Dev	39.25	-1.000
Median	37.03	0.000
Std Dev	34.80	1.000
102	34.05	1.340

281.30 Total Mercury		
Lab	PPM	ICP
69	<0.1	0.000
Median	0.00	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
69	<0.1	0.000
Median	0.00	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP
69	<0.5	0.000
9	10.63	-1.340
Std Dev	10.47	-1.000
Median	10.02	0.000
Std Dev	9.56	1.000
102	9.40	1.340

289.XX Total Molybdenum		
Lab	PPM	Total Method
69	<0.5	0.000
9	10.63	-1.340
Std Dev	10.47	-1.000
Median	10.02	0.000
Std Dev	9.56	1.000
102	9.40	1.340

291.30 Total Nickel		
Lab		ICP
270	36.00	-9.026
Std Dev	21.27	-1.000
9	20.06	-0.343
9	19.43	0.000
Median	19.43	0.000
102	17.60	0.997
Std Dev	17.59	1.000
69	15.00	2.413

291.XX Total Nickel		
Lab	PPM	Total Method
270	36.00	-9.026
Std Dev	21.27	-1.000
9	20.06	-0.343

9	19.43	0.000
Median	19.43	0.000
102	17.60	0.997
Std Dev	17.59	1.000
69	15.00	2.413

301.30 Total Selenium		
Lab	PPM	ICP
69	<0.5	0.000
9	2.50	0.000
Median	2.50	0.000

301.XX Total Selenium		
Lab	PPM	Total Mthod
69	<0.5	0.000
9	2.50	0.000
Median	2.50	0.000

311.00 Sodium		
Lab	%Na ₂ O	Atomic Absorbtion
31	6.17	-1.574
Std Dev	6.10	-1.000
61	5.98	0.000
Median	5.98	0.000
Std Dev	5.86	1.000
61	5.85	1.106

311.99 Sodium		
Lab	%Na ₂ O	Other
102	6.69	-3.848
Std Dev	6.08	-1.000
24	6.00	-0.641
24	5.97	-0.478
Median	5.86	0.000
14	5.76	0.478
14	5.69	0.827
Std Dev	5.65	1.000
69	4.69	5.465

311.XX Sodium		
Lab	%Na ₂ O	Total Method
102	6.69	-4.038
31	6.17	-1.117
Std Dev	6.14	-1.000

24	6.00	-0.195
61	5.98	-0.084
24	5.97	0.000
Median	5.97	0.000
61	5.85	0.642
Std Dev	5.79	1.000
14	5.76	1.145
14	5.69	1.563
69	4.69	7.119

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
270	468.00	-2.469
Std Dev	408.47	-1.000
102	399.00	-0.766
9	380.41	-0.307
Median	367.95	0.000
39	355.50	0.307
9	334.91	0.816
Std Dev	327.43	1.000
69	275.00	2.294

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
270	468.00	-2.469
Std Dev	408.47	-1.000
102	399.00	-0.766
9	380.41	-0.307
Median	367.95	0.000
39	355.50	0.307
9	334.91	0.816
Std Dev	327.43	1.000
69	275.00	2.294

325.10 Fluoride		
Lab	%	Electrode
69	0.15	-4.824
61	0.13	-2.144
61	0.12	-1.072
Std Dev	0.11	-1.000
24	0.11	0.000
31	0.11	0.000
102	0.11	0.000
Median	0.11	0.000

Feed Phosphate

34	0.10	0.107
270	0.10	0.536
Std Dev	0.10	1.000
24	0.10	1.072
14	0.09	1.769
14	0.08	2.198

325.30		Fluoride
Lab		Distilled/Electrode
9	0.12	0.000
9	0.12	0.000
Median	0.12	0.000

325.XX		Fluoride
Lab	%	Total Method
69	0.15	-4.020
61	0.13	-1.787
Std Dev	0.12	-1.000
9	0.12	-0.893
9	0.12	-0.893
61	0.12	-0.893
24	0.11	0.000
31	0.11	0.000
102	0.11	0.000
Median	0.11	0.000
34	0.10	0.089
270	0.10	0.447
24	0.10	0.893
Std Dev	0.09	1.000
14	0.09	1.474
14	0.08	1.831