

Feed Phosphate

010.60		Total Nitrogen Combustion	
Lab			
102	<0.01		0.000
80	0.01		0.000
99	0.01		0.000
Median	0.01		0.000

010.XX		Total Nitrogen Total Method	
Lab			
102	<0.01		0.000
80	0.01		0.000
99	0.01		0.000
Median	0.01		0.000

020.10		Total Phosphate Gravimetric Quimociac	
Lab			
77	18.62		-1.340
Std Dev	18.51		-1.000
Median	18.20		0.000
Std Dev	17.88		1.000
35	17.77		1.340

020.20		Total Phosphate Spectrometric	
Lab			
9	18.80		-4.913
103	18.70		-3.171
99	18.63		-1.965
Std Dev	18.58		-1.000
14	18.53		-0.179
24	18.53		-0.179
14	18.53		-0.089
102	18.52		0.000
Median	18.52		0.000
79	18.52		0.089
61	18.50		0.357
Std Dev	18.46		1.000
61	18.46		1.161
24	18.43		1.608
140	18.32		3.573
95	17.92		10.720

020.30		Total Phosphate Alka. Quimociac	
Lab			
111	18.42		0.000

Median	18.42		0.000
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020.40		Total Phosphate Automated	
Lab			
31	18.57		-1.491
66	18.44		-1.320
Std Dev	18.20		-1.000
63	17.44		0.000
Median	17.44		0.000
63	17.42		0.020
35	17.12		0.414

020.50		Total Phosphate ICP	
Lab			
50	18.67		0.000
Median	18.67		0.000

020.99		Total Phosphate Other	
Lab			
49	18.69		-1.340
Std Dev	18.51		-1.000
Median	17.97		0.000
Std Dev	17.43		1.000
110	17.25		1.340

020.XX		Total Phosphate Total Method	
Lab			
9	18.80		-1.063
Std Dev	18.78		-1.000
103	18.70		-0.702
49	18.69		-0.675
50	18.67		-0.601
99	18.63		-0.453
77	18.62		-0.416
31	18.57		-0.231
14	18.53		-0.083
24	18.53		-0.083
14	18.53		-0.065
102	18.52		-0.046
79	18.52		-0.028
Median	18.51		0.000

61	18.50		0.028
61	18.46		0.194
66	18.44		0.250

24	18.43		0.286
111	18.42		0.323
140	18.32		0.693
Std Dev	18.24		1.000
95	17.92		2.172
35	17.77		2.726
63	17.44		3.965
63	17.42		4.020
110	17.25		4.648
35	17.12		5.129

030.20		Insoluble Phosphate Spectrometric	
Lab			
24	8.16		-1.340
Std Dev	8.15		-1.000
Median	8.13		0.000
Std Dev	8.10		1.000
24	8.10		1.340

030.XX		Insoluble Phosphate Total Method	
Lab			
24	8.16		-1.340
Std Dev	8.15		-1.000
Median	8.13		0.000
Std Dev	8.10		1.000
24	8.10		1.340

040.20		Indirect Available Phosphate Spectrometric	
Lab			
24	10.67		-1.340
Std Dev	10.61		-1.000
Median	10.47		0.000
Std Dev	10.32		1.000
24	10.27		1.340

040.XX		Indirect Available Phosphate Total Method	
Lab			
24	10.67		-1.340
Std Dev	10.61		-1.000
Median	10.47		0.000
Std Dev	10.32		1.000
24	10.27		1.340

041.40		Direct Available Phosphate Automated	
Lab			
38	23.62		0.000
Median	23.62		0.000

041.50		Direct Available Phosphate ICP	
Lab			
80	32.40		0.000
Median	32.40		0.000

041.XX		Direct Available Phosphate Total Method	
Lab			
80	32.40		-1.340
Std Dev	31.29		-1.000
Median	28.01		0.000
Std Dev	24.73		1.000
38	23.62		1.340

048.20		Water Soluble Phosphate Spectrometric	
Lab			
24	0.62		0.000
24	0.62		0.000
Median	0.62		0.000

048.30		Water Soluble Phosphate Alka. Quimociac	
Lab			
111	0.56		0.000
Median	0.56		0.000

048.XX		Water Soluble Phosphate Total Method	
Lab			
24	0.62		0.000
24	0.62		0.000
Median	0.62		0.000
Std Dev	0.59		1.000
111	0.56		2.680

050.30		Soluble Potash Atomic Absorption(Oxalate)	
Lab			
95	0.42		0.000
Median	0.42		0.000

050.99		Soluble Potash %K ₂ O Other	
Lab			

Feed Phosphate

99	0.15	-1.869
Std Dev	0.13	-1.000
102	0.12	-0.417
Median	0.12	0.000
24	0.11	0.417
24	0.10	0.989

050.XX Soluble Potash Total Method		
Lab	%K ₂ O	
95	0.42	0.000
99	0.15	0.000
Std Dev	0.00	-1.000
102	0.12	0.000
Median	0.00	0.000
24	0.11	0.000
24	0.10	0.000

060.00 Free Water Vacuum Oven		
Lab		
111	0.12	-1.340
Std Dev	0.11	-1.000
Median	0.09	0.000
Std Dev	0.06	1.000
140	0.06	1.340

060.10 Free Water Vacuum Desiccate		
Lab		
61	0.12	-1.340
Std Dev	0.12	-1.000
Median	0.12	0.000
Std Dev	0.11	1.000
61	0.11	1.340

060.99 Free Water Other		
Lab		
24	0.27	-1.340
Std Dev	0.26	-1.000
Median	0.25	0.000
Std Dev	0.23	1.000
24	0.23	1.340

060.XX Free Water Total Method		
Lab		
24	0.27	-2.259

24	0.23	-1.646
Std Dev	0.18	-1.000
61	0.12	-0.038
Median	0.12	0.000
111	0.12	0.038
61	0.11	0.115
140	0.06	0.957

101.30 Acid Soluble Calcium			
Lab	%CaO	ICP	
38	33.60		-5.351
102	32.69		-3.733
79	31.79		-2.117
50	31.20		-1.063
39	31.17		-1.009
Std Dev	31.16		-1.000
61	30.65		-0.080
63	30.61		0.000
Median	30.61		0.000
63	30.60		0.009
9	30.54		0.116
61	30.45		0.277
31	30.43		0.322
Std Dev	30.05		1.000
66	29.73		1.563
111	29.25		2.430

101.99 Acid Soluble Calcium Other			
Lab	%CaO		
140	30.81		-1.340
Std Dev	30.76		-1.000
24	30.75		-0.893
14	30.64		0.000
Median	30.64		0.000
14	30.59		0.447
24	30.56		0.650

101.XX Acid Soluble Calcium Total Method			
Lab	%CaO		
38	33.60		-7.475
102	32.69		-5.202
79	31.79		-2.931
50	31.20		-1.450
39	31.17		-1.375

Std Dev	31.02	-1.000
140	30.81	-0.458
24	30.75	-0.320
61	30.65	-0.069
14	30.64	-0.044
Median	30.62	0.000
63	30.61	0.044
63	30.60	0.056
14	30.59	0.094
24	30.56	0.157
9	30.54	0.207
61	30.45	0.433
31	30.43	0.496
Std Dev	30.22	1.000
66	29.73	2.241
111	29.25	3.458

121.00 Acid Soluble Magnesium Atomic Absorption		
Lab	%MgO	
77	0.61	0.000
Median	0.61	0.000

121.30 Acid Soluble Magnesium ICP		
Lab	%MgO	
102	0.73	-1.715
31	0.72	-1.508
Std Dev	0.70	-1.000
50	0.70	-0.940
24	0.69	-0.502
61	0.69	-0.502
14	0.68	-0.168
61	0.68	0.000
Median	0.68	0.000
14	0.67	0.168
9	0.67	0.335
39	0.65	0.838
Std Dev	0.65	1.000
38	0.63	1.508
24	0.61	2.345
66	0.52	5.193

121.XX Acid Soluble Magnesium Total Method		
Lab	%MgO	
102	0.73	-1.308

31	0.72	-1.157
Std Dev	0.71	-1.000
50	0.70	-0.744
24	0.69	-0.426
61	0.69	-0.426
14	0.68	-0.183
61	0.68	-0.061
Median	0.67	0.000
14	0.67	0.061
9	0.67	0.183
39	0.65	0.548
Std Dev	0.63	1.000
38	0.63	1.035
77	0.61	1.608
24	0.61	1.645
66	0.52	3.715

144.99 Sulfate Sulfur (S) Other		
Lab		
24	0.10	-1.340
Std Dev	0.09	-1.000
Median	0.08	0.000
Std Dev	0.07	1.000
24	0.06	1.340

144.XX Sulfate Sulfur (S) Total Method		
Lab		
24	0.10	-1.340
Std Dev	0.09	-1.000
Median	0.08	0.000
Std Dev	0.07	1.000
24	0.06	1.340

151.30 Total Arsenic ICP		
Lab		
24	1.62	0.000
Median	1.62	0.000

151.99 Total Arsenic Other		
Lab		
275	0.45	0.000
Median	0.45	0.000

Feed Phosphate

151.XX Total Arsenic		
Lab	Total Method	
24	1.62	-1.340
Std Dev	1.47	-1.000
Median	1.04	0.000
Std Dev	0.60	1.000
275	0.45	1.340

165.99 Acid Soluble Boron		
Lab	PPM	Other
102	26.43	-0.954
24	18.80	0.000
Median	18.80	0.000
Std Dev	10.80	1.000
9	5.00	1.726

65.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
102	26.43	-0.954
24	18.80	0.000
Median	18.80	0.000
Std Dev	10.80	1.000
9	5.00	1.726

181.30 Total Cadmium		
Lab	PPM	ICP
102	2.15	-2.680
Std Dev	2.05	-1.000
275	1.99	0.000
275	1.99	0.000
Median	1.99	0.000

181.99 Total Cadmium		
Lab	Other	
24	2.36	0.000
Median	2.36	0.000

181.XX Total Cadmium		
Lab	PPM	Total Method
24	2.36	-1.878
Std Dev	2.22	-1.000
102	2.15	-0.497
Median	2.07	0.000
275	1.99	0.497

275 1.99 0.497

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
31	0.93	-13.196
Std Dev	0.45	-1.000
102	0.44	-0.788
24	0.41	-0.064
Median	0.41	0.000
24	0.41	0.064
14	0.37	0.956
14	0.37	0.956

190.XX Aluminum		
Lab	%Al ₂ O ₃	Total Method
31	0.93	-13.196
Std Dev	0.45	-1.000
102	0.44	-0.788
24	0.41	-0.064
Median	0.41	0.000
24	0.41	0.064
14	0.37	0.956
14	0.37	0.956

191.30 Total Chromium		
Lab	ICP	
102	139.55	0.000
Median	139.55	0.000

191.99 Total Chromium		
Lab	PPM	Other
24	134.00	-443.694
38	0.79	-1.323
Std Dev	0.70	-1.000
61	0.40	0.000
Median	0.40	0.000
61	0.39	0.017
9	0.36	0.116

191.XX Total Chromium		
Lab	PPM	Total Method
102	139.55	-1.856
24	134.00	-1.782
Std Dev	75.45	-1.000

38	0.79	-0.003
Median	0.59	0.000
61	0.40	0.003
61	0.39	0.003
9	0.36	0.003

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
102	1.86	0.000
Median	1.86	0.000

202.99 Acid Soluble Cobalt		
Lab	Other	
9	135.00	-0.041
38	133.00	0.000
Median	133.00	0.000
Std Dev	84.29	1.000
24	4.47	2.639

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
9	135.00	-0.685
38	133.00	-0.664
Median	68.74	0.000
24	4.47	0.664
102	1.86	0.691

221.30 Acid Soluble Copper		
Lab	PPM	ICP
102	12.82	0.000
Median	12.82	0.000

221.99 Acid Soluble Copper		
Lab	Other	
24	8.35	-1.340
Std Dev	7.54	-1.000
Median	5.18	0.000
Std Dev	2.81	1.000
9	2.00	1.340

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
102	12.82	-1.106
Std Dev	12.39	-1.000

24	8.35	0.000
Median	8.35	0.000
Std Dev	4.31	1.000
9	2.00	1.574

241.00 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Atomic Absorption
77	0.53	0.000
Median	0.53	0.000

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
31	0.60	-0.929
14	0.59	-0.398
14	0.59	-0.398
24	0.59	-0.398
Median	0.58	0.000
66	0.58	0.398
24	0.57	0.663
Std Dev	0.56	1.000
50	0.55	1.778
102	0.53	2.571

241.99 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Other
9	12.50	0.000
Median	12.50	0.000

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
9	12.50	#####
Std Dev	0.61	-1.000
31	0.60	-0.656
14	0.59	-0.281
14	0.59	-0.281
24	0.59	-0.281
Median	0.58	0.000
66	0.58	0.281
24	0.57	0.469
Std Dev	0.56	1.000
50	0.55	1.256
77	0.53	1.799
102	0.53	1.816

Feed Phosphate

251.30		Total Lead
Lab	PPM	ICP
275	1.00	-1.340
Std Dev	0.99	-1.000
Median	0.97	0.000
Std Dev	0.95	1.000
275	0.94	1.340

251.99		Total Lead
Lab	PPM	Other
38	0.76	-2.574
39	0.68	-1.365
Std Dev	0.65	-1.000
9	0.58	0.000
24	0.58	0.000
Median	0.58	0.000
61	0.55	0.422
61	0.55	0.422

251.XX		Total Lead
Lab	PPM	Total Method
275	1.00	-2.121
275	0.94	-1.778
Std Dev	0.80	-1.000
38	0.76	-0.768
39	0.68	-0.277
Median	0.63	0.000
9	0.58	0.277
24	0.58	0.277
61	0.55	0.448
61	0.55	0.448

261.30		Acid Soluble Manganese
Lab	PPM	ICP
102	37.86	0.000
Median	37.86	0.000

261.99		Acid Soluble Manganese
Lab	PPM	Other
24	38.10	0.000
Median	38.10	0.000

261.XX		Acid Soluble Manganese
Lab	PPM	Total Method

24	38.10	-1.340
Std Dev	38.07	-1.000
Median	37.98	0.000
Std Dev	37.89	1.000
102	37.86	1.340

271.99		Water Soluble Manganese
Lab	PPM	Other
9	36.00	0.000
Median	36.00	0.000

271.XX		Water Soluble Manganese
Lab	PPM	Total Method
9	36.00	0.000
Median	36.00	0.000
	<0.07	0.000

281.99		Total Mercury
Lab	PPM	Other
275	0.00	0.000
Median	0.00	0.000
	<0.07	0.000
275	0.00	0.000
Median	15.76	0.000

289.99		Total Molybdenum
Lab	PPM	Other
102	27.30	-1.340
Std Dev	24.66	-1.000
Median	16.88	0.000
	27.30	-0.722
	25.65	-0.616
Median	16.06	0.000

291.30		Total Nickel
Lab	PPM	ICP
102	18.35	-1.707
Std Dev	16.42	-1.000
Median	13.70	0.000

291.99		Total Nickel
Lab	PPM	Other
24	22.10	-1.432

Std Dev	19.51	-1.000
Median	13.50	0.000
	13.50	0.000

291.XX		Total Nickel
Lab	PPM	Total Method
24	22.10	-2.062
102	18.35	-1.152
Std Dev	17.72	-1.000
	13.70	-0.024
Median	13.60	0.000

301.30		Total Selenium
Lab	PPM	ICP
	<0.50	0.000
24	0.64	0.000
Median		

301.99		Total Selenium
Lab	PPM	Other
9	22.00	0.000
Median	22.00	0.000

301.XX		Total Selenium
Lab	PPM	Total Method
	<0.50	0.000
9	22.00	-1.340
Std Dev	19.29	-1.000
Median	11.32	0.000
24		

311.00		Sodium
Lab	%Na ₂ O	Atomic Absorbtion
31	6.04	-1.340
Std Dev	5.30	-1.000
Median	3.13	0.000

311.99		Sodium
Lab	%Na ₂ O	Other
102	6.35	-0.185
50	5.73	-0.027
24	5.66	-0.008
24	5.63	0.000
Median	5.63	0.000

311.XX		Sodium
Lab	%Na ₂ O	Total Method
102	6.35	-0.177
31	6.04	-0.100
50	5.73	-0.026
24	5.66	-0.007
24	5.63	0.000
Median	5.63	0.000

321.30		Acid Soluble Zinc
Lab	PPM	ICP
39	215.00	-0.824
102	198.65	-0.636
Median	143.43	0.000

321.99		Acid Soluble Zinc
Lab	PPM	Other
24	194.00	-2.311
38	174.00	-2.065
	92.95	-1.068
Std Dev	87.41	-1.000
9	6.42	-0.004
Median	6.11	0.000
61	5.79	0.004
61		

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
39	215.00	-1.009
Std Dev	213.81	-1.000
102	198.65	-0.883
24	194.00	-0.847
38	174.00	-0.692
	92.95	-0.065
	88.20	-0.028
Median	84.53	0.000
	80.85	0.028

325.10		Fluoride
Lab	%	Electrode
111	0.28	-2.808
Std Dev	0.19	-1.000
	0.18	-0.817
	0.18	-0.766
	0.18	-0.766

Feed Phosphate

	0.18	-0.704
	0.18	-0.704
	0.18	-0.664
	0.17	-0.459
Median	0.14	0.000
14	0.12	0.459

325.99 Lab	%	Fluoride Other
9	0.12	0.000
Median	0.12	0.000
	0.18	-1.351
	0.18	-1.297
	0.18	-1.297
	0.18	-1.232
	0.18	-1.232
	0.18	-1.189
Std Dev	0.17	-1.000
	0.17	-0.973
9	0.12	0.000
14	0.12	0.000
14	0.12	0.000
Median		

275
31
275
24
24
79