

Feed Phosphate

010.60		Total Nitrogen Combustion	
Lab			
102	0.03		-1.340
Std Dev	0.03		-1.000
Median	0.02		0.000
Std Dev	0.01		1.000
80	0.01		1.340

010.XX		Total Nitrogen Total Method	
Lab			
102	0.03		-1.340
Std Dev	0.03		-1.000
Median	0.02		0.000
Std Dev	0.01		1.000
80	0.01		1.340

020.10		Total Phosphate Gravimetric Quimociac	
Lab			
40	18.66		0.000
Median	18.66		0.000

020.20		Total Phosphate Spectrometric	
Lab			
95	95.55	#####	
9	18.96		-3.659
102	18.71		-1.134
Std Dev	18.70		-1.000
220	18.67		-0.722
24	18.67		-0.670
242	18.65		-0.464
244	18.61		-0.103
34	18.60		0.000
Median	18.60		0.000
14	18.58		0.206
24	18.57		0.361
14	18.55		0.515
61	18.53		0.773
Std Dev	18.50		1.000
61	18.48		1.288
79	18.48		1.288
110	11.95		68.546

020.30		Total Phosphate Alka. Quimociac	
Lab			

111	18.55		0.000
Median	18.55		0.000

020.40		Total Phosphate Automated	
Lab			
96	19.50		-2.027
66	19.10		-1.095
Std Dev	19.06		-1.000
103	18.63		0.000
Median	18.63		0.000
31	18.53		0.245
Std Dev	18.20		1.000
63	17.95		1.585

020.50		Total Phosphate ICP	
Lab			
9	19.00		-1.340
Std Dev	18.90		-1.000
Median	18.62		0.000
Std Dev	18.34		1.000
50	18.25		1.340

020.XX		Total Phosphate Total Method	
Lab			
95	95.55		-665.202
96	19.50		-7.737
66	19.10		-4.279
9	19.00		-3.415
9	18.96		-3.026
Std Dev	18.72		-1.000
102	18.71		-0.908
220	18.67		-0.562
24	18.67		-0.519
40	18.66		-0.475
242	18.65		-0.346
103	18.63		-0.216
244	18.61		-0.043
Median	18.61		0.000
34	18.60		0.043
14	18.58		0.216
24	18.57		0.346
14	18.55		0.475
111	18.55		0.475
31	18.53		0.692

61	18.53		0.692
Std Dev	18.49		1.000
61	18.48		1.124
79	18.48		1.124
50	18.25		3.112
63	17.95		5.663
110	11.95		57.534

030.20		Insoluble Phosphate Spectrometric	
Lab			
24	9.47		-1.340
Std Dev	9.46		-1.000
Median	9.43		0.000
Std Dev	9.40		1.000
24	9.39		1.340

030.XX		Insoluble Phosphate Total Method	
Lab			
24	9.47		-1.340
Std Dev	9.46		-1.000
Median	9.43		0.000
Std Dev	9.40		1.000
24	9.39		1.340

040.20		Indirect Available Phosphate Spectrometric	
Lab			
24	9.20		-1.340
Std Dev	9.19		-1.000
Median	9.19		0.000
Std Dev	9.18		1.000
24	9.18		1.340

040.99		Indirect Available Phosphate Other	
Lab			
38	18.36		0.000
Median	18.36		0.000

040.XX		Indirect Available Phosphate Total Method	
Lab			
38	18.36		-2.676
Std Dev	12.62		-1.000
24	9.20		0.000
Median	9.20		0.000
24	9.18		0.004

041.10		Direct Available Phosphate Gravimetric Quimociac	
Lab			
65	19.84		-1.340
Std Dev	19.83		-1.000
Median	19.79		0.000
Std Dev	19.76		1.000
49	19.75		1.340

041.40		Direct Available Phosphate Automated	
Lab			
103	26.20		-1.340
Std Dev	25.65		-1.000
Median	24.04		0.000
Std Dev	22.43		1.000
49	21.89		1.340

041.50		Direct Available Phosphate ICP	
Lab			
80	20.35		0.000
Median	20.35		0.000

041.60		Direct Available Phosphate EDTA Extract	
Lab			
65	32.63		0.000
Median	32.63		0.000

041.XX		Direct Available Phosphate Total Method	
Lab			
65	32.63		-2.995
103	26.20		-1.321
Std Dev	24.96		-1.000
49	21.89		-0.200
Median	21.12		0.000
80	20.35		0.200
65	19.84		0.332
49	19.75		0.357

048.20		Water Soluble Phosphate Spectrometric	
Lab			
24	0.64		-0.101
24	0.62		0.000
Median	0.62		0.000
Std Dev	0.47		1.000

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244	0.24	2.580
048.XX Water Soluble Phosphate		
Lab	Total Method	
24	0.64	-0.101
24	0.62	0.000
Median	0.62	0.000
Std Dev	0.47	1.000
244	0.24	2.580

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O	Other
24	0.13	-2.469
Std Dev	0.10	-1.000
102	0.09	0.000
Median	0.09	0.000
24	0.09	0.211

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
24	0.13	0.000
102	0.09	0.000
Std Dev	0.00	-1.000
Median	0.00	0.000
24	0.09	0.000

060.00 Free Water		
Lab	Vacuum Oven	
9	0.09	-1.340
Std Dev	0.08	-1.000
Median	0.06	0.000
Std Dev	0.03	1.000
111	0.03	1.340

060.10 Free Water		
Lab	Vacuum Desiccator	
61	0.04	-1.340
Std Dev	0.03	-1.000
Median	0.03	0.000
Std Dev	0.02	1.000
61	0.02	1.340

060.99 Free Water		
Lab	Other	

14	0.26	-1.608
Std Dev	0.24	-1.000
14	0.23	-0.322
Median	0.22	0.000
24	0.21	0.322
Std Dev	0.19	1.000
24	0.18	1.822

060.XX Free Water		
Lab	Total Method	
14	0.26	-0.906
14	0.23	-0.684
24	0.21	-0.573
24	0.18	-0.314
Median	0.13	0.000
9	0.09	0.314
61	0.04	0.721
111	0.03	0.795
61	0.02	0.832

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
79	34.12	-14.943
102	32.20	-7.149
Std Dev	30.68	-1.000
63	30.68	-0.995
9	30.63	-0.772
34	30.60	-0.670
50	30.58	-0.589
220	30.44	0.000
Median	30.44	0.000
31	30.43	0.041
14	30.31	0.508
14	30.30	0.568
Std Dev	30.19	1.000
66	30.06	1.523
61	29.90	2.172
61	29.80	2.578

101.99 Acid Soluble Calcium		
Lab	%CaO	Other
111	32.85	-2.635
Std Dev	31.22	-1.000
24	30.23	0.000

Median	30.23	0.000
24	30.18	0.045

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
79	34.12	-11.619
111	32.85	-7.630
102	32.20	-5.567
Std Dev	30.75	-1.000
63	30.68	-0.788
9	30.63	-0.615
34	30.60	-0.536
50	30.58	-0.473
220	30.44	-0.016
Median	30.43	0.000
31	30.43	0.016
14	30.31	0.378
14	30.30	0.426
24	30.23	0.646
24	30.18	0.788
Std Dev	30.11	1.000
66	30.06	1.167
61	29.90	1.671
61	29.80	1.986

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
24	0.66	-1.502
Std Dev	0.65	-1.000
61	0.64	-0.609
61	0.64	-0.385
24	0.63	-0.162
31	0.63	-0.162
79	0.63	-0.162
Median	0.63	0.000
50	0.62	0.162
9	0.62	0.285
Std Dev	0.60	1.000
220	0.60	1.111
66	0.60	1.156
34	0.60	1.178
102	0.55	3.248

121.XX Acid Soluble Magnesium		
Lab	%MgO	Total Method
24	0.66	-1.502
Std Dev	0.65	-1.000
61	0.64	-0.609
61	0.64	-0.385
24	0.63	-0.162
31	0.63	-0.162
79	0.63	-0.162
Median	0.63	0.000
50	0.62	0.162
9	0.62	0.285
Std Dev	0.60	1.000
220	0.60	1.111
66	0.60	1.156
34	0.60	1.178
102	0.55	3.248

144.01 Sulfate Sulfur (S)		
Lab	Gravimetric	
244	0.08	0.000
Median	0.08	0.000

144.99 Sulfate Sulfur (S)		
Lab	Other	
24	0.11	-1.340
Std Dev	0.10	-1.000
Median	0.08	0.000
Std Dev	0.06	1.000
24	0.06	1.340

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
24	0.11	-1.340
Std Dev	0.10	-1.000
244	0.08	0.000
Median	0.08	0.000
Std Dev	0.06	1.000
24	0.06	1.340

151.30 Total Arsenic		
Lab	ICP	
24	0.55	0.000
Median	0.55	0.000

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151.XX Total Arsenic		
Lab		Total Method
24	0.55	0.000
<b>Median</b>	<b>0.55</b>	<b>0.000</b>

165.99 Acid Soluble Boron		
Lab	PPM	Other
102	19.80	-1.340
<b>Std Dev</b>	<b>19.62</b>	<b>-1.000</b>
<b>Median</b>	<b>19.10</b>	<b>0.000</b>
<b>Std Dev</b>	<b>18.58</b>	<b>1.000</b>
24	18.40	1.340

65.XX, ppm Acid Soluble Boron		
Lab	PPM	Total Method
102	19.80	-1.340
<b>Std Dev</b>	<b>19.62</b>	<b>-1.000</b>
<b>Median</b>	<b>19.10</b>	<b>0.000</b>
<b>Std Dev</b>	<b>18.58</b>	<b>1.000</b>
24	18.40	1.340

181.00 Total Cadmium		
Lab		Atomic Absorption
220	10.11	0.000
<b>Median</b>	<b>10.11</b>	<b>0.000</b>

181.30 Total Cadmium		
Lab	PPM	ICP
63	11.35	-2.586
<b>Std Dev</b>	<b>8.07</b>	<b>-1.000</b>
9	6.00	0.000
<b>Median</b>	<b>6.00</b>	<b>0.000</b>
102	5.81	0.094

181.99 Total Cadmium		
Lab		Other
24	7.33	0.000
<b>Median</b>	<b>7.33</b>	<b>0.000</b>

181.XX Total Cadmium		
Lab	PPM	Total Method
63	11.35	-1.312
<b>Std Dev</b>	<b>10.39</b>	<b>-1.000</b>

220	10.11	-0.908
24	7.33	0.000
<b>Median</b>	<b>7.33</b>	<b>0.000</b>
9	6.00	0.432
102	5.81	0.495

190.00 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP
31	0.29	-1.093
<b>Std Dev</b>	<b>0.29</b>	<b>-1.000</b>
24	0.28	-0.780
24	0.26	-0.156
<b>Median</b>	<b>0.26</b>	<b>0.000</b>
34	0.25	0.156
102	0.23	0.902
9	0.23	0.937

190.XX Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method
31	0.29	-1.093
<b>Std Dev</b>	<b>0.29</b>	<b>-1.000</b>
24	0.28	-0.780
24	0.26	-0.156
<b>Median</b>	<b>0.26</b>	<b>0.000</b>
34	0.25	0.156
102	0.23	0.902
9	0.23	0.937

191.30 Total Chromium		
Lab		ICP
63	148.59	-1.203
<b>Std Dev</b>	<b>144.94</b>	<b>-1.000</b>
9	127.00	0.000
<b>Median</b>	<b>127.00</b>	<b>0.000</b>
<b>Std Dev</b>	<b>109.06</b>	<b>1.000</b>
102	100.50	1.477

191.99 Total Chromium		
Lab	PPM	Other
24	130.00	-5.346
<b>Std Dev</b>	<b>24.54</b>	<b>-1.000</b>
79	0.32	-0.002
<b>Median</b>	<b>0.27</b>	<b>0.000</b>
61	0.22	0.002

61	0.22	0.002
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191.XX Total Chromium		
Lab	PPM	Total Method
63	148.59	-0.502
24	130.00	-0.308
9	127.00	-0.277
102	100.50	0.000
<b>Median</b>	<b>100.50</b>	<b>0.000</b>
<b>Std Dev</b>	<b>4.81</b>	<b>1.000</b>
79	0.32	1.047
61	0.22	1.048
61	0.22	1.048

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP
63	8.46	-5.243
<b>Std Dev</b>	<b>2.54</b>	<b>-1.000</b>
102	1.15	-0.002
<b>Median</b>	<b>1.15</b>	<b>0.000</b>
50	1.15	0.002
9	1.00	0.106

202.99 Acid Soluble Cobalt		
Lab		Other
24	1.76	0.000
<b>Median</b>	<b>1.76</b>	<b>0.000</b>

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
63	8.46	-15.917
24	1.76	-1.329
<b>Std Dev</b>	<b>1.61</b>	<b>-1.000</b>
102	1.15	0.000
<b>Median</b>	<b>1.15</b>	<b>0.000</b>
50	1.15	0.011
9	1.00	0.327

221.30 Acid Soluble Copper		
Lab	PPM	ICP
50	16.12	-1.933
<b>Std Dev</b>	<b>14.37</b>	<b>-1.000</b>
9	12.50	0.000
<b>Median</b>	<b>12.50</b>	<b>0.000</b>

102	11.10	0.747
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221.99 Acid Soluble Copper		
Lab		Other
24	7.88	0.000
<b>Median</b>	<b>7.88</b>	<b>0.000</b>

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
50	16.12	-1.861
<b>Std Dev</b>	<b>14.12</b>	<b>-1.000</b>
9	12.50	-0.301
<b>Median</b>	<b>11.80</b>	<b>0.000</b>
102	11.10	0.301
<b>Std Dev</b>	<b>9.48</b>	<b>1.000</b>
24	7.88	1.690

241.00 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Atomic Absorption
220	0.50	0.000
<b>Median</b>	<b>0.50</b>	<b>0.000</b>

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
9	0.54	-1.961
66	0.53	-1.046
<b>Std Dev</b>	<b>0.53</b>	<b>-1.000</b>
31	0.53	-0.980
24	0.51	0.000
24	0.51	0.000
<b>Median</b>	<b>0.51</b>	<b>0.000</b>
34	0.50	0.654
<b>Std Dev</b>	<b>0.49</b>	<b>1.000</b>
102	0.40	7.390

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
9	0.54	-1.546
<b>Std Dev</b>	<b>0.53</b>	<b>-1.000</b>
66	0.53	-0.825
31	0.53	-0.773
24	0.51	0.000
24	0.51	0.000
<b>Median</b>	<b>0.51</b>	<b>0.000</b>

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34	0.50	0.515
220	0.50	0.670
Std Dev	0.49	1.000
102	0.40	5.826

251.30 Total Lead		
Lab	PPM	ICP
63	43.29	-1.340
Std Dev	38.08	-1.000
Median	22.77	0.000
Std Dev	7.46	1.000
9	2.25	1.340

251.99 Total Lead		
Lab	PPM	Other
24	2.36	-4.491
Std Dev	0.92	-1.000
79	0.56	-0.115
Median	0.51	0.000
61	0.47	0.115
61	0.44	0.176

251.XX Total Lead		
Lab	PPM	Total Method
63	43.29	-30.438
Std Dev	2.78	-1.000
24	2.36	-0.694
9	2.25	-0.614
Median	1.41	0.000
79	0.56	0.614
61	0.47	0.683
61	0.44	0.701

261.30 Acid Soluble Manganese		
Lab	PPM	ICP
50	47.14	-1.215
Std Dev	46.05	-1.000
9	41.00	0.000
Median	41.00	0.000
Std Dev	35.95	1.000
102	33.60	1.465

261.99 Acid Soluble Manganese		
Lab	PPM	Other

24	43.80	0.000
Median	43.80	0.000

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
50	47.14	-1.157
Std Dev	46.49	-1.000
24	43.80	-0.342
Median	42.40	0.000
9	41.00	0.342
Std Dev	38.31	1.000
102	33.60	2.150

281.30 Total Mercury		
Lab	PPM	ICP
24	<0.1	0.000
24	<0.07	0.000
24	<0.07	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
24	<0.1	0.000
24	<0.07	0.000
24	<0.07	0.000
9	9.39	-1.203
9	9.19	-1.148
Std Dev	8.65	-1.000
9	5.00	0.000
Median		

289.99 Total Molybdenum		
Lab	PPM	Other
24	<0.025	0.000
24	4.77	-1.340
Std Dev	4.70	-1.000
Median		

289.XX Total Molybdenum		
Lab	PPM	Total Method
24	<0.025	0.000
63	13.97	-4.276
9	9.39	-2.126
9	9.19	-2.032
Std Dev	6.99	-1.000
9	5.00	-0.066

291.30 Total Nickel		
Lab	PPM	ICP
63	27.97	-2.036
Std Dev	23.91	-1.000
23.12		-0.797
22.70		-0.689
9	20.50	-0.128
22.85		-1.340
Std Dev	22.63	-1.000
Median		

291.XX Total Nickel		
Lab	PPM	Total Method
24	<0.9	0.000
63	27.97	-1.983
Std Dev	24.27	-1.000
23.12		-0.696
22.85		-0.624
22.70		-0.583
1.00		-0.815
24	0.97	-0.762
10.80		-14.465
Std Dev	1.54	-1.000
1.00		-0.211
24		

311.00 Sodium		
Lab	%Na <sub>2</sub> O	Atomic Absorbtion
63	6.25	-1.340
Std Dev	6.23	-1.000
Median	6.20	0.000

311.99 Sodium		
Lab	%Na <sub>2</sub> O	Other
24	<4.6	0.000
220	6.45	-2.955
102	6.16	-1.417
Std Dev	6.08	-1.000
6.06		-0.889
6.01		-0.654
5.94		-0.261
24	5.91	-0.105
Median	5.89	0.000

311.XX Sodium		
Lab	%Na <sub>2</sub> O	Total Method

220	<4.6	0.000
63	6.45	-2.089
6.25		-1.281
Std Dev	6.17	-1.000
102	6.16	-0.930
31	6.15	-0.887
6.06		-0.532
6.01		-0.355
5.94		-0.059
Median	5.92	0.000
400.10		-1.268
Std Dev	394.66	-1.000
387.50		-0.648
50	385.45	-0.547

321.99 Acid Soluble Zinc		
Lab	PPM	Other
24	386.00	-1.788
24	326.00	-1.506
255.00		-1.172
Std Dev	218.53	-1.000
Median	6.11	0.000
6.11		0.000
61		

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
63	538.00	-1.864
Std Dev	453.85	-1.000
400.10		-0.448
387.50		-0.318
386.00		-0.303
50	385.45	-0.297
378.50		-0.226
370.18		-0.141
369.55		-0.134

325.10 Fluoride		
Lab	%	Electrode
220	0.15	-2.201
31	0.15	-1.914
34	0.14	-1.276
14	0.14	-1.212
14	0.14	-1.212
Std Dev	0.14	-1.000

Feed Phosphate

102	0.13	-0.830
24	0.13	-0.638
24	0.13	-0.638
111	0.12	0.000
Median	0.12	0.000
	0.12	0.000
	0.12	0.000

325.99		Fluoride
Lab	%	Other
	0.11	-1.340
Std Dev	0.10	-1.000
Median		

325.XX		Fluoride
Lab	%	Total Method
220	0.15	-2.010
31	0.15	-1.748
34	0.14	-1.165
14	0.14	-1.107
14	0.14	-1.107
Std Dev	0.14	-1.000
102	0.13	-0.757
24	0.13	-0.583
24	0.13	-0.583
111	0.12	0.000
Median	0.12	0.000
	0.12	0.000
	0.12	0.000

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