

Feed Phosphate

010.60		Total Nitrogen Combustion	
Lab			
137	10.04		-2.675
Std Dev	3.82		-1.000
80	0.10		0.000
Median	0.10		0.000
102	0.08		0.005

010.XX		Total Nitrogen Total Method	
Lab			
137	10.04		-2.675
Std Dev	3.82		-1.000
80	0.10		0.000
Median	0.10		0.000
102	0.08		0.005

020.10		Total Phosphate Gravimetric Quimociac	
Lab			
77	20.99		0.000
Median	20.99		0.000

020.20		Total Phosphate Spectrometric	
Lab			
24	21.09		-2.053
61	21.02		-1.254
79	21.00		-1.026
Std Dev	21.00		-1.000
24	20.97		-0.627
140	20.95		-0.456
61	20.91		0.000
Median	20.91		0.000
9	20.88		0.342
14	20.87		0.513
14	20.87		0.513
Std Dev	20.82		1.000
103	20.79		1.369
102	20.76		1.711

020.30		Total Phosphate Alka. Quimociac	
Lab			
111	21.15		0.000
Median	21.15		0.000

020.40		Total Phosphate Automated	
Lab			
137	21.78		-10.911
Std Dev	21.00		-1.000
66	20.97		-0.574
31	20.93		0.000
Median	20.93		0.000
63	20.87		0.766
9	20.86		0.893

020.99		Total Phosphate Other	
Lab			
38	22.22		-2.464
Std Dev	21.41		-1.000
39	20.85		0.000
Median	20.85		0.000
39	20.73		0.216

020.XX		Total Phosphate Total Method	
Lab			
38	22.22		-12.854
137	21.78		-8.487
111	21.15		-2.184
24	21.09		-1.638
Std Dev	21.03		-1.000
61	21.02		-0.943
79	21.00		-0.744
77	20.99		-0.645
66	20.97		-0.447
24	20.97		-0.397
140	20.95		-0.248
31	20.93		0.000
Median	20.93		0.000
61	20.91		0.149
9	20.88		0.447
14	20.87		0.596
14	20.87		0.596
63	20.87		0.596
9	20.86		0.695
39	20.85		0.744
Std Dev	20.82		1.000
103	20.79		1.340
102	20.76		1.638
39	20.73		1.936

030.20		Insoluble Phosphate Spectrometric	
Lab			
24	0.06		-1.340
Std Dev	0.05		-1.000
Median	0.05		0.000
Std Dev	0.05		1.000
24	0.05		1.340

030.XX		Insoluble Phosphate Total Method	
Lab			
24	0.06		-1.340
Std Dev	0.05		-1.000
Median	0.05		0.000
Std Dev	0.05		1.000
24	0.05		1.340

040.20		Indirect Available Phosphate Spectrometric	
Lab			
24	20.92		-1.340
Std Dev	20.90		-1.000
Median	20.87		0.000
Std Dev	20.84		1.000
24	20.83		1.340

040.XX		Indirect Available Phosphate Total Method	
Lab			
24	20.92		-1.340
Std Dev	20.90		-1.000
Median	20.87		0.000
Std Dev	20.84		1.000
24	20.83		1.340

041.40		Direct Available Phosphate Automated	
Lab			
38	22.22		0.000
Median	22.22		0.000

041.50		Direct Available Phosphate ICP	
Lab			
80	20.91		0.000
Median	20.91		0.000

041.XX		Direct Available Phosphate Total Method	
Lab			
38	22.22		-1.340
Std Dev	22.05		-1.000
Median	21.57		0.000
Std Dev	21.08		1.000
80	20.91		1.340

048.20		Water Soluble Phosphate Spectrometric	
Lab			
24	16.73		-1.340
Std Dev	16.72		-1.000
Median	16.71		0.000
Std Dev	16.70		1.000
24	16.70		1.340

048.30		Water Soluble Phosphate Alka. Quimociac	
Lab			
111	16.83		0.000
Median	16.83		0.000

048.XX		Water Soluble Phosphate Total Method	
Lab			
111	16.83		-2.144
Std Dev	16.77		-1.000
24	16.73		0.000
Median	16.73		0.000
24	16.70		0.536

050.51		%K ₂ O	Soluble Potash ICP(Citrate)
Lab			
137	0.26		0.000
Median	0.26		0.000

050.99		%K ₂ O	Soluble Potash Other
Lab			
102	0.11		-1.824
Std Dev	0.10		-1.000
24	0.10		0.000
Median	0.10		0.000
24	0.09		0.856

050.XX		%K ₂ O	Soluble Potash Total Method
Lab			

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137	0.26	0.000
102	0.11	0.000
Std Dev	0.00	-1.000
Median	0.00	0.000
24	0.10	0.000
24	0.09	0.000

060.00		Free Water
Lab		Vacuum Oven
111	1.84	-0.095
79	1.82	0.000
Median	1.82	0.000
Std Dev	1.66	1.000
140	1.41	2.585

060.10		Free Water
Lab		Vacuum Desiccate
61	2.11	-1.340
Std Dev	2.09	-1.000
Median	2.04	0.000
Std Dev	1.99	1.000
61	1.97	1.340

060.99		Free Water
Lab		Other
24	2.00	0.000
24	2.00	0.000
Median	2.00	0.000

060.XX		Free Water
Lab		Total Method
61	2.11	-1.049
Std Dev	2.10	-1.000
24	2.00	-0.233
24	2.00	-0.233
61	1.97	0.000
Median	1.97	0.000
Std Dev	1.84	1.000
111	1.84	1.049
79	1.82	1.165
140	1.41	4.350

101.00		Acid Soluble Calcium
Lab	%CaO	Atomic Absorption

77	15.33	0.000
Median	15.33	0.000

101.30		Acid Soluble Calcium
Lab	%CaO	ICP
79	16.42	-1.358
31	16.38	-1.212
Std Dev	16.33	-1.000
61	16.31	-0.899
39	16.26	-0.690
102	16.21	-0.512
14	16.15	-0.230
14	16.14	-0.209
Median	16.09	0.000
63	16.04	0.209
9	16.04	0.230
61	15.94	0.648
140	15.92	0.710
Std Dev	15.85	1.000
66	15.73	1.525
38	15.38	2.967
111	15.31	3.260

101.99		Acid Soluble Calcium
Lab	%CaO	Other
24	16.61	-1.340
Std Dev	16.59	-1.000
Median	16.55	0.000
Std Dev	16.50	1.000
24	16.49	1.340

101.XX		Acid Soluble Calcium
Lab	%CaO	Total Method
24	16.61	-1.618
24	16.49	-1.201
Std Dev	16.43	-1.000
79	16.42	-0.957
31	16.38	-0.835
61	16.31	-0.574
39	16.26	-0.400
102	16.21	-0.252
14	16.15	-0.017
14	16.14	0.000
Median	16.14	0.000

63	16.04	0.348
9	16.04	0.365
61	15.94	0.714
140	15.92	0.766
Std Dev	15.85	1.000
66	15.73	1.444
38	15.38	2.645
77	15.33	2.819
111	15.31	2.889

121.00		Acid Soluble Magnesium
Lab	%MgO	Atomic Absorption
77	0.51	0.000
Median	0.51	0.000

121.30		Acid Soluble Magnesium
Lab	%MgO	ICP
24	0.54	-1.436
Std Dev	0.53	-1.000
24	0.53	-0.957
31	0.53	-0.957
14	0.52	0.000
14	0.52	0.000
61	0.52	0.000
Median	0.52	0.000
9	0.52	0.479
61	0.52	0.479
Std Dev	0.51	1.000
39	0.51	1.244
66	0.51	1.436
102	0.48	3.728

121.XX		Acid Soluble Magnesium
Lab	%MgO	Total Method
24	0.54	-1.770
24	0.53	-1.264
31	0.53	-1.264
Std Dev	0.53	-1.000
14	0.52	-0.253
14	0.52	-0.253
61	0.52	-0.253
Median	0.52	0.000
9	0.52	0.253
61	0.52	0.253

77	0.51	0.758
Std Dev	0.51	1.000
39	0.51	1.062
66	0.51	1.264
102	0.48	3.686

131.00		Free Acid
Lab		Acetone Method
24	0.36	-0.912
24	0.28	0.000
Median	0.28	0.000
Std Dev	0.19	1.000
111	0.12	1.768

144..01		Sulfate Sulfur (S)
Lab		Gravimetric
77	0.95	0.000
Median	0.95	0.000

144.99		Sulfate Sulfur (S)
Lab		Other
111	1.15	-4.987
Std Dev	0.94	-1.000
24	0.89	-0.047
Median	0.88	0.000
24	0.88	0.047
38	0.88	0.093

144.XX		Sulfate Sulfur (S)
Lab		Total Method
111	1.15	-5.463
77	0.95	-1.237
Std Dev	0.93	-1.000
24	0.89	0.000
Median	0.89	0.000
24	0.88	0.103
38	0.88	0.155

151.30		Total Arsenic
Lab		ICP
24	6.73	0.000
Median	6.73	0.000

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151.99		Total Arsenic	
Lab		Other	
9a	7.50		0.000
Median	7.50		0.000

151.XX		Total Arsenic	
Lab		Total Method	
9a	7.50		-1.340
Std Dev	7.40		-1.000
Median	7.12		0.000
Std Dev	6.83		1.000
24	6.73		1.340

165.99		Acid Soluble Boron	
Lab	PPM	Other	
24	30.10		0.000
102	30.10		0.000
Median	30.10		0.000

65.XX, ppm		Acid Soluble Boron	
Lab	PPM	Total Method	
24	30.10		0.000
102	30.10		0.000
Median	30.10		0.000

181.30		Total Cadmium	
Lab	PPM	ICP	
9a	3.70		-1.340
Std Dev	3.67		-1.000
Median	3.60		0.000
Std Dev	3.52		1.000
102	3.49		1.340

181.99		Total Cadmium	
Lab	PPM	Other	
24	3.87		0.000
Median	3.87		0.000

181.XX		Total Cadmium	
Lab	PPM	Total Method	
24	3.87		-1.199
Std Dev	3.84		-1.000
9a	3.70		0.000
Median	3.70		0.000

Std Dev	3.56		1.000
102	3.49		1.481

190.00		Aluminum	
Lab	%Al ₂ O ₃	ICP	
31	0.53		-0.766
14	0.52		-0.383
14	0.52		-0.383
Median	0.52		0.000
24	0.51		0.383
Std Dev	0.50		1.000
24	0.50		1.149
102	0.49		1.646

190.XX		Aluminum	
Lab	%Al ₂ O ₃	Total Method	
31	0.53		-0.766
14	0.52		-0.383
14	0.52		-0.383
Median	0.52		0.000
24	0.51		0.383
Std Dev	0.50		1.000
24	0.50		1.149
102	0.49		1.646

191.30		Total Chromium	
Lab		ICP	
9a	87.80		-1.340
Std Dev	86.82		-1.000
Median	83.95		0.000
Std Dev	81.08		1.000
102	80.10		1.340

191.99		Total Chromium	
Lab	PPM	Other	
24	81.35		-5.359
Std Dev	15.58		-1.000
61	0.50		0.000
Median	0.49		0.000
9	0.49		0.000
61	0.49		0.000

191.XX		Total Chromium	
Lab	PPM	Total Method	

9a	87.80		-0.790
24	81.35		-0.683
102	80.10		-0.662
Median	40.30		0.000
61	0.50		0.662
9	0.49		0.662
61	0.49		0.662

202.20		Acid Soluble Cobalt	
Lab		Colorimetric	
9a	5.10		0.000
Median	5.10		0.000

202.30		Acid Soluble Cobalt	
Lab	PPM	ICP	
102	3.80		0.000
Median	3.80		0.000

202.99		Acid Soluble Cobalt	
Lab		Other	
24	4.27		0.000
Median	4.27		0.000

202.XX		Acid Soluble Cobalt	
Lab	PPM	Total Method	
9a	5.10		-1.711
Std Dev	4.76		-1.000
24	4.27		0.000
Median	4.27		0.000
102	3.80		0.969

221.30		Acid Soluble Copper	
Lab	PPM	ICP	
9a	5.60		-1.340
Std Dev	5.55		-1.000
Median	5.41		0.000
Std Dev	5.26		1.000
102	5.21		1.340

221.99		Acid Soluble Copper	
Lab		Other	
24	4.66		0.000
Median	4.66		0.000

221.XX		Acid Soluble Copper	
Lab	PPM	Total Method	
9a	5.60		-1.106
Std Dev	5.56		-1.000
102	5.21		0.000
Median	5.21		0.000
Std Dev	4.86		1.000
24	4.66		1.574

241.00		Acid Soluble Iron	
Lab	%Fe ₂ O ₃	Atomic Absorption	
77	1.06		0.000
Median	1.06		0.000

241.30		Acid Soluble Iron	
Lab	%Fe ₂ O ₃	ICP	
31	1.09		-1.675
24	1.08		-1.005
Std Dev	1.07		-1.000
39	1.07		-0.670
14	1.06		0.000
14	1.06		0.000
Median	1.06		0.000
66	1.06		0.335
Std Dev	1.05		1.000
24	1.04		1.340
102	0.86		13.380

241.XX		Acid Soluble Iron	
Lab	%Fe ₂ O ₃	Total Method	
31	1.09		-2.233
24	1.08		-1.340
Std Dev	1.07		-1.000
39	1.07		-0.893
14	1.06		0.000
14	1.06		0.000
Median	1.06		0.000
66	1.06		0.447
77	1.06		0.447
Std Dev	1.05		1.000
24	1.04		1.787
102	0.86		17.840

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251.99		Total Lead	
Lab			Other
9	1.10		-0.496
61	1.05		0.000
61	1.05		0.000
Median	1.05		0.000
Std Dev	0.95		1.000
24	0.56		4.864

251.XX		Total Lead	
Lab	PPM		Total Method
9	1.10		-0.496
61	1.05		0.000
61	1.05		0.000
Median	1.05		0.000
Std Dev	0.95		1.000
24	0.56		4.864

261.30		Acid Soluble Manganese	
Lab			ICP
39	3905.00		-1.340
Std Dev	3453.74		-1.000
Median	2126.50		0.000
Std Dev	799.26		1.000
102	348.00		1.340

261.31		Acid Soluble Manganese	
Lab	PPM		ICP
9a	412.00		0.000
Median	412.00		0.000

261.99		Acid Soluble Manganese	
Lab	PPM		Other
24	398.50		0.000
Median	398.50		0.000

261.XX		Acid Soluble Manganese	
Lab	PPM		Total Method
39	3905.00		-5.214
Std Dev	1076.43		-1.000
9a	412.00		-0.010
Median	405.25		0.000
24	398.50		0.010
102	348.00		0.085

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
9a	28.50		-1.340
Std Dev	28.14		-1.000
Median	27.08		0.000
Std Dev	26.01		1.000
102	25.65		1.340

289.99		Total Molybdenum	
Lab	PPM		Other
24	27.30		0.000
Median	27.30		0.000

289.XX		Total Molybdenum	
Lab	PPM		Total Method
9a	28.50		-1.128
Std Dev	28.36		-1.000
24	27.30		0.000
Median	27.30		0.000
Std Dev	26.24		1.000
102	25.65		1.552

291.30		Total Nickel	
Lab			ICP
9a	13.70		-1.340
Std Dev	13.36		-1.000
Median	12.38		0.000
Std Dev	11.39		1.000
102	11.05		1.340

291.99		Total Nickel	
Lab	PPM		Other
24	13.50		0.000

Median	13.50		0.000
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291.XX		Total Nickel	
Lab	PPM		Total Method
9a	13.70		-0.202
24	13.50		0.000
Median	13.50		0.000
Std Dev	12.51		1.000
102	11.05		2.478

301.30		Total Selenium	
Lab	PPM		ICP
24	<0.50		0.000
Median	0.00		0.000

301.XX		Total Selenium	
Lab	PPM		Total Method
24	<0.50		0.000
Median	0.00		0.000

311.00		Sodium	
Lab	%Na ₂ O		Atomic Absorbtion
31	0.22		0.000
Median	0.22		0.000

311.99		Sodium	
Lab	%Na ₂ O		Other
102	0.78		-2.583
Std Dev	0.37		-1.000
24	0.11		0.000
Median	0.11		0.000
24	0.09		0.097

311.XX		Sodium	
Lab	%Na ₂ O		Total Method
102	0.78		-3.267
Std Dev	0.35		-1.000
31	0.22		-0.280
Median	0.16		0.000
24	0.11		0.280
24	0.09		0.413

321.30		Acid Soluble Zinc	
Lab	PPM		ICP

9a	88.20		-1.340
Std Dev	87.27		-1.000
Median	84.53		0.000
Std Dev	81.78		1.000
102	80.85		1.340

321.99		Acid Soluble Zinc	
Lab			Other
24	92.95		-2.680
Std Dev	34.74		-1.000
61	0.09		0.000
61	0.09		0.000
Median	0.09		0.000

321.XX		Acid Soluble Zinc	
Lab	PPM		Total Method
24	92.95		-0.184
9a	88.20		-0.112
102	80.85		0.000
Median	80.85		0.000
Std Dev	15.10		1.000
61	0.09		1.228
61	0.09		1.228

325.10		Fluoride	
Lab	%		Electrode
102	0.18		-1.843
24	0.18		-1.005
31	0.18		-1.005
Std Dev	0.18		-1.000
14	0.18		0.000
14	0.18		0.000
Median	0.18		0.000
24	0.18		0.670
Std Dev	0.17		1.000
79	0.17		4.020

325.XX		Fluoride	
Lab	%		Total Method
102	0.18		-1.843
24	0.18		-1.005
31	0.18		-1.005
Std Dev	0.18		-1.000
14	0.18		0.000

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14	0.18	0.000
Median	0.18	0.000
24	0.18	0.670
Std Dev	0.17	1.000
79	0.17	4.020