

Feed Phosphate

010.60		Total Nitrogen	
Lab		Combustion	
95	0.15		-1.340
Std Dev	0.13		-1.000
Median	0.09		0.000
Std Dev	0.04		1.000
123	0.03		1.340

010.XX		Total Nitrogen	
Lab		Total Method	
95	0.15		-1.340
Std Dev	0.13		-1.000
Median	0.09		0.000
Std Dev	0.04		1.000
123	0.03		1.340

020.10		Total Phosphate	
Lab		Gravimetric Quimociac	
241	19.48		-2.071
40	19.01		-1.001
Std Dev	19.00		-1.000
18	18.66		-0.205
Median	18.57		0.000
77	18.48		0.205
103	18.28		0.649
Std Dev	18.13		1.000
35	17.61		2.174

020.20		Total Phosphate	
Lab		Spectrometric	
9	18.80		-0.388
18	18.68		-0.179
24	18.66		-0.135
61	18.65		-0.126
61	18.59		-0.013
Median	18.58		0.000
24	18.57		0.013
102	18.40		0.318
Std Dev	18.00		1.000
95	17.72		1.503
123	17.59		1.730
242	13.65		8.598

020.40		Total Phosphate	
Lab		Automated	
63	19.11		-0.550
66	19.10		-0.515
41	18.95		0.000
Median	18.95		0.000
31	18.71		0.825
Std Dev	18.66		1.000
79	18.42		1.838

020.99		Total Phosphate	
Lab		Other	
96	19.82		-3.867
Std Dev	19.00		-1.000
14	18.73		-0.061
Median	18.71		0.000
14	18.70		0.061
Std Dev	18.43		1.000
38	18.39		1.126

020.XX		Total Phosphate	
Lab		Total Method	
96	19.82		-3.855
241	19.48		-2.713
63	19.11		-1.505
66	19.10		-1.472
40	19.01		-1.158
Std Dev	18.96		-1.000
41	18.95		-0.976
9	18.80		-0.480
14	18.73		-0.248
31	18.71		-0.182
14	18.70		-0.132
18	18.68		-0.083
18	18.66		0.000
24	18.66		0.000
Median	18.66		0.000
61	18.65		0.017
61	18.59		0.232
24	18.57		0.281
77	18.48		0.596
79	18.42		0.794
102	18.40		0.860
38	18.39		0.877

Std Dev	18.35		1.000
103	18.28		1.241
95	17.72		3.110
35	17.61		3.458
123	17.59		3.540
242	13.65		16.576

030.30		Insoluble Phosphate	
Lab		Alka. Quimociac	
24	10.31		-1.340
Std Dev	10.29		-1.000
Median	10.23		0.000
Std Dev	10.17		1.000
24	10.15		1.340

030.XX		Insoluble Phosphate	
Lab		Total Method	
24	10.31		-1.340
Std Dev	10.29		-1.000
Median	10.23		0.000
Std Dev	10.17		1.000
24	10.15		1.340

040.20		Indirect Available Phosphate	
Lab		Spectrometric	
24	8.51		-1.340
Std Dev	8.48		-1.000
Median	8.39		0.000
Std Dev	8.29		1.000
24	8.26		1.340

040.XX		Indirect Available Phosphate	
Lab		Total Method	
24	8.51		-1.340
Std Dev	8.48		-1.000
Median	8.39		0.000
Std Dev	8.29		1.000
24	8.26		1.340

041.10		Direct Available Phosphate	
Lab		Gravimetric Quimociac	
49	18.70		-1.340
Std Dev	17.36		-1.000
Median	13.42		0.000

Std Dev	9.48		1.000
65	8.14		1.340

041.40		Direct Available Phosphate	
Lab		Automated	
44	19.03		-1.340
Std Dev	18.95		-1.000
Median	18.73		0.000
Std Dev	18.51		1.000
49	18.44		1.340

041.60		Direct Available Phosphate	
Lab		EDTA Extract	
65	13.61		0.000
Median	13.61		0.000

041.XX		Direct Available Phosphate	
Lab		Total Method	
44	19.03		-0.156
49	18.70		-0.070
49	18.44		0.000
Median	18.44		0.000
Std Dev	14.63		1.000
65	13.61		1.270
65	8.14		2.709

048.20		Water Soluble Phosphate	
Lab		Spectrometric	
123	0.18		-2.680
Std Dev	0.13		-1.000
24	0.10		0.000
24	0.10		0.000
Median	0.10		0.000

048.XX		Water Soluble Phosphate	
Lab		Total Method	
123	0.18		-2.680
Std Dev	0.13		-1.000
24	0.10		0.000
24	0.10		0.000
Median	0.10		0.000

050.30		Soluble Potash	
Lab		Atomic Absorption(Oxalate)	

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95	0.32	0.000
Median	0.32	0.000

050.50	%K ₂ O	Soluble Potash
Lab		ICP(Oxalate)
41	0.14	0.000
Median	0.14	0.000

050.99	%K ₂ O	Soluble Potash
Lab		Other
102	0.07	0.000
Median	0.07	0.000

050.XX	%K ₂ O	Soluble Potash
Lab		Total Method
95	0.32	0.000
41	0.14	0.000
Std Dev	0.00	-1.000
Median	0.00	0.000
102	0.07	0.000

060.00	Lab	Free Water	Vacuum Oven
	9	0.13	-2.193
	Std Dev	0.08	-1.000
	123	0.04	0.000
	Median	0.04	0.000
	18	0.02	0.487

060.99	Lab	Free Water	Other
	24	0.15	-1.340
	Std Dev	0.15	-1.000
	Median	0.15	0.000
	Std Dev	0.14	1.000
	24	0.14	1.340

060.XX	Lab	Free Water	Total Method
	24	0.15	-0.268
	24	0.14	-0.134
	9	0.13	0.000
	Median	0.13	0.000
	Std Dev	0.06	1.000

123	0.04	1.206
18	0.02	1.474

101.00	Lab	%CaO	Acid Soluble Calcium
			Atomic Absorption
	49	29.57	-1.340
	Std Dev	29.46	-1.000
	Median	29.13	0.000
	Std Dev	28.81	1.000
	95	28.70	1.340

101.30	Lab	%CaO	Acid Soluble Calcium
			ICP
	41	32.75	-2.158
	Std Dev	31.70	-1.000
	31	31.10	-0.346
	79	31.08	-0.324
	14	30.89	-0.115
	14	30.82	-0.033
	44	30.79	0.000
	Median	30.79	0.000
	66	30.17	0.675
	Std Dev	29.87	1.000
	61	29.86	1.016
	61	29.67	1.225
	9	29.47	1.444
	102	29.22	1.719

101.70	Lab	%CaO	Acid Soluble Calcium
			Titrimetric
	242	32.77	-0.896
	241	32.20	0.000
	Median	32.20	0.000
	Std Dev	31.57	1.000
	18	31.08	1.784

101.99	Lab	%CaO	Acid Soluble Calcium
			Other
	24	31.02	-1.340
	Std Dev	30.93	-1.000
	Median	30.65	0.000
	Std Dev	30.37	1.000
	24	30.28	1.340

101.XX	Lab	%CaO	Acid Soluble Calcium
			Total Method
	242	32.77	-1.934
	41	32.75	-1.920
	241	32.20	-1.378
	Std Dev	31.82	-1.000
	31	31.10	-0.295
	79	31.08	-0.276
	18	31.08	-0.271
	24	31.02	-0.217
	14	30.89	-0.089
	14	30.82	-0.015
	Median	30.80	0.000
	44	30.79	0.015
	24	30.28	0.517
	66	30.17	0.620
	61	29.86	0.925
	Std Dev	29.78	1.000
	61	29.67	1.112
	49	29.57	1.216
	9	29.47	1.309
	102	29.22	1.555
	95	28.70	2.067

121.00	Lab	%MgO	Acid Soluble Magnesium
			Atomic Absorption
	95	0.44	0.000
	Median	0.44	0.000

121.30	Lab	%MgO	Acid Soluble Magnesium
			ICP
	14	0.96	-13.400
	14	0.95	-13.065
	24	0.61	-1.675
	Std Dev	0.59	-1.000
	24	0.58	-0.502
	39	0.57	-0.318
	31	0.57	-0.167
	9	0.56	0.000
	Median	0.56	0.000
	61	0.55	0.335
	61	0.54	0.670
	66	0.54	0.838
	Std Dev	0.53	1.000

102	0.52	1.338
79	0.52	1.508
41	0.51	1.524

121.XX	Lab	%MgO	Acid Soluble Magnesium
			Total Method
	14	0.96	-10.889
	14	0.95	-10.621
	24	0.61	-1.479
	Std Dev	0.59	-1.000
	24	0.58	-0.538
	39	0.57	-0.390
	31	0.57	-0.269
	9	0.56	-0.134
	Median	0.56	0.000
	61	0.55	0.134
	61	0.54	0.403
	66	0.54	0.538
	102	0.52	0.940
	Std Dev	0.52	1.000
	79	0.52	1.075
	41	0.51	1.089
	95	0.44	3.226

144..01	Lab	Sulfate Sulfur (S)
		Gravimetric
	95	0.12
	Median	0.12

144.99	Lab	Sulfate Sulfur (S)
		Other
	24	ND
	24	ND
	Median	0.00

144.XX	Lab	Sulfate Sulfur (S)
		Total Method
	24	ND
	24	ND
	95	0.12
	Median	0.12

151.99	Lab	Total Arsenic
		Other

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9	3.60	-1.340
Std Dev	3.19	-1.000
Median	2.00	0.000
Std Dev	0.81	1.000
24	0.40	1.340

151.XX		Total Arsenic
Lab	PPM	Total Method
9	3.60	-1.340
Std Dev	3.19	-1.000
Median	2.00	0.000
Std Dev	0.81	1.000
24	0.40	1.340

165.99		Acid Soluble Boron
Lab	PPM	Other
9	24.30	-2.680
Std Dev	15.34	-1.000
24	10.00	0.000
102	10.00	0.000
Median	10.00	0.000

65.XX, ppm		Acid Soluble Boron
Lab	PPM	Total Method
9	24.30	-2.680
Std Dev	15.34	-1.000
24	10.00	0.000
102	10.00	0.000
Median	10.00	0.000

181.30		Total Cadmium
Lab	PPM	ICP
9	5.00	0.000
102	5.00	0.000
Median	5.00	0.000

181.99		Total Cadmium
Lab	PPM	Other
24	6.00	0.000
Median	6.00	0.000

181.XX		Total Cadmium
Lab	PPM	Total Method
24	6.00	-2.680

Std Dev	5.37	-1.000
9	5.00	0.000
102	5.00	0.000
Median	5.00	0.000

190.00		Aluminum
Lab	%Al ₂ O ₃	ICP
14	0.33	-0.912
14	0.32	-0.855
24	0.27	-0.228
31	0.25	-0.057
24	0.25	0.000
79	0.25	0.000
Median	0.25	0.000
9	0.18	0.741
Std Dev	0.16	1.000
61	0.15	1.083
61	0.13	1.311
241	0.13	1.317
102	0.09	1.802

190.XX		Aluminum
Lab	%Al ₂ O ₃	Total Method
14	0.33	-0.912
14	0.32	-0.855
24	0.27	-0.228
31	0.25	-0.057
24	0.25	0.000
79	0.25	0.000
Median	0.25	0.000
9	0.18	0.741
Std Dev	0.16	1.000
61	0.15	1.083
61	0.13	1.311
241	0.13	1.317
102	0.09	1.802

191.30		Total Chromium
Lab	PPM	ICP
9	130.00	-1.340
Std Dev	127.40	-1.000
Median	119.75	0.000
Std Dev	112.10	1.000
102	109.50	1.340

191.99		Total Chromium
Lab	PPM	Other
24	151.00	0.000
Median	151.00	0.000

191.XX		Total Chromium
Lab	PPM	Total Method
24	151.00	-1.356
Std Dev	145.49	-1.000
9	130.00	0.000
Median	130.00	0.000
Std Dev	114.51	1.000
102	109.50	1.324

202.30		Acid Soluble Cobalt
Lab	PPM	ICP
9	4.50	-1.340
Std Dev	4.13	-1.000
Median	3.03	0.000
Std Dev	1.92	1.000
102	1.55	1.340

202.99		Acid Soluble Cobalt
Lab	PPM	Other
24	2.00	0.000
Median	2.00	0.000

202.XX		Acid Soluble Cobalt
Lab	PPM	Total Method
9	4.50	-2.271
Std Dev	3.10	-1.000
24	2.00	0.000
Median	2.00	0.000
102	1.55	0.409

221.30		Acid Soluble Copper
Lab	PPM	ICP
9	11.00	-0.222
41	10.88	0.000
Median	10.88	0.000
Std Dev	10.34	1.000
102	9.55	2.458

221.99		Acid Soluble Copper
Lab	PPM	Other
24	10.50	0.000
Median	10.50	0.000

221.XX		Acid Soluble Copper
Lab	PPM	Total Method
9	11.00	-0.642
41	10.88	-0.393
Median	10.69	0.000
24	10.50	0.393
Std Dev	10.21	1.000
102	9.55	2.359

241.30		Acid Soluble Iron
Lab	%Fe ₂ O ₃	ICP
14	0.57	-1.908
14	0.57	-1.837
Std Dev	0.51	-1.000
24	0.51	-0.991
66	0.48	-0.638
31	0.47	-0.497
24	0.46	-0.356
79	0.45	-0.145
Median	0.43	0.000
41	0.42	0.145
9	0.41	0.349
61	0.39	0.631
61	0.38	0.772
Std Dev	0.36	1.000
39	0.35	1.174
102	0.32	1.650
241	0.29	2.077

241.XX		Acid Soluble Iron
Lab	%Fe ₂ O ₃	Total Method
14	0.57	-1.908
14	0.57	-1.837
Std Dev	0.51	-1.000
24	0.51	-0.991
66	0.48	-0.638
31	0.47	-0.497
24	0.46	-0.356
79	0.45	-0.145

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Lab	PPM	Total Lead ICP
Median	0.43	0.000
41	0.42	0.145
9	0.41	0.349
61	0.39	0.631
61	0.38	0.772
Std Dev	0.36	1.000
39	0.35	1.174
102	0.32	1.650
241	0.29	2.077

Lab	PPM	Total Lead ICP
251.30	5.25	-1.340
Std Dev	4.90	-1.000
Median	3.88	0.000
Std Dev	2.85	1.000
9	2.50	1.340

Lab	PPM	Total Lead Other
251.99	3.50	0.000
Median	3.50	0.000

Lab	PPM	Total Lead Total Method
251.XX	5.25	-1.705
Std Dev	4.53	-1.000
24	3.50	0.000
Median	3.50	0.000
9	2.50	0.975

Lab	PPM	Acid Soluble Manganese ICP
261.30	51.00	0.000
9	51.00	0.000
Median	51.00	0.000
Std Dev	48.39	1.000
102	44.00	2.680

Lab	PPM	Acid Soluble Manganese Other
261.99	54.50	0.000
24	54.50	0.000
Median	54.50	0.000

Lab	PPM	Acid Soluble Manganese Total Method
261.XX	54.50	-1.787
Std Dev	52.96	-1.000
9	51.00	0.000
41	51.00	0.000
Median	51.00	0.000
Std Dev	49.04	1.000
102	44.00	3.573

Lab	PPM	Total Mercury ICP
281.30	<0.5	0.000
Median	0.00	0.000

Lab	PPM	Total Mercury Total Method
281.XX	<0.5	0.000
Median	0.00	0.000

Lab	PPM	Total Molybdenum ICP
289.30	4.00	0.000
Median	4.00	0.000

Lab	PPM	Total Molybdenum Other
289.99	6.00	0.000
Median	6.00	0.000

Lab	PPM	Total Molybdenum Total Method
289.XX	6.00	-1.340
Std Dev	5.75	-1.000
Median	5.00	0.000
Std Dev	4.25	1.000
102	4.00	1.340

Lab	PPM	Total Nickel ICP
291.30	19.00	-1.340
Std Dev	18.72	-1.000
Median	17.90	0.000
Std Dev	17.08	1.000

Lab	PPM	Total Nickel Other
102	16.80	1.340
291.99	24.00	0.000
24	24.00	0.000
Median	24.00	0.000

Lab	PPM	Total Nickel Total Method
291.XX	24.00	-1.861
Std Dev	21.69	-1.000
9	19.00	0.000
Median	19.00	0.000
102	16.80	0.819

Lab	PPM	Total Selenium ICP
301.30	0.40	0.000
24	0.40	0.000
Median	0.40	0.000

Lab	PPM	Total Selenium Total Method
301.XX	0.40	0.000
Median	0.40	0.000

Lab	%Na ₂ O	Sodium Atomic Absorbion
311.00	6.20	-1.175
Std Dev	6.13	-1.000
31	5.83	-0.168
Median	5.76	0.000
61	5.70	0.168
Std Dev	5.39	1.000
95	4.58	3.177

Lab	%Na ₂ O	Sodium Other
311.99	7.71	-2.018
14	7.68	-1.993
Std Dev	6.70	-1.000
102	5.82	-0.098
24	5.72	0.000
Median	5.72	0.000
24	5.51	0.214

Lab	%Na ₂ O	Sodium Total Method
79	5.35	0.376
41	5.29	0.437

Lab	%Na ₂ O	Sodium Total Method
311.XX	7.71	-4.566
14	7.68	-4.509
61	6.20	-1.104
Std Dev	6.15	-1.000
31	5.83	-0.242
102	5.82	-0.221
24	5.72	0.000
Median	5.72	0.000
61	5.70	0.046
24	5.51	0.483
79	5.35	0.851
41	5.29	0.989
Std Dev	5.29	1.000
95	4.58	2.622

Lab	PPM	Acid Soluble Zinc ICP
321.30	384.00	-0.645
9	384.00	-0.645
Median	364.75	0.000
41	345.50	0.645
102	339.50	0.846

Lab	PPM	Acid Soluble Zinc Other
321.99	368.00	0.000
24	368.00	0.000
Median	368.00	0.000

Lab	PPM	Acid Soluble Zinc Total Method
321.XX	384.00	-0.557
9	384.00	-0.557
24	368.00	0.000
Median	368.00	0.000
41	345.50	0.783
102	339.50	0.992

Lab	%	Fluoride Electrode
325.10		

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79	0.15	-4.373
61	0.12	-2.680
61	0.10	-1.552
Std Dev	0.09	-1.000
18	0.08	-0.141
31	0.08	-0.141
Median	0.07	0.000
14	0.07	0.141
24	0.07	0.141
24	0.07	0.141
102	0.07	0.141
14	0.06	0.705

325.99		Fluoride
Lab	%	Other
9	0.17	0.000
Median	0.17	0.000

325.XX		Fluoride
Lab	%	Total Method
9	0.17	-3.183
79	0.15	-2.513
61	0.12	-1.508
Std Dev	0.10	-1.000
61	0.10	-0.838
18	0.08	0.000
31	0.08	0.000
Median	0.08	0.000
14	0.07	0.168
24	0.07	0.168
24	0.07	0.168
102	0.07	0.168
14	0.06	0.503