

AFPC

Sample

2020-08

Grade

18-46-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, MgO distillation	920.03	001.10	1	17.18	0.00
Ammoniacal Nitrogen, Other		001.99	12	17.58	0.10
Method Group 001.XX PCT			13	17.58	0.12
AMMON & NITRATE N					
Ammon & Nitrate N, Other		009.99	2	17.60	0.01
Method Group 009.XX PCT			2	17.60	0.01
TOTAL NITROGEN					
Total Nitrogen, Modified Comprehensive	978.02	010.11	1	17.67	0.00
Total Nitrogen, Combustion	993.13	010.60	14	17.68	0.13
Total Nitrogen, Other		010.99	2	17.76	0.01
Method Group 010.XX PCT			17	17.69	0.15
TOTAL PHOSPHATE					
Total Phosphate, Spectrometric	978.02	020.20	17	46.82	0.22
Total Phosphate, ICP	970.03	020.40	1	46.56	0.00
Method Group 020.XX PCT			18	46.82	0.27
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.02	0.02
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.10	0.00
Insoluble Phosphate, Automated	978.01	030.40	3	0.02	0.02
Method Group 030.XX PCT			13	0.02	0.04
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	12	46.80	0.15
Indirect Available Phosphate, Other		040.99	1	46.87	0.00
Method Group 040.XX PCT			13	46.80	0.17
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	1	46.88	0.00
Direct Available Phosphate, Spectrometric	960.03D	041.20	1	47.03	0.00
Direct Available Phosphate, Automated	978.01	041.40	1	45.10	0.00
Direct Available Phosphate, ICP		041.50	3	46.66	0.91
Direct Available Phosphate, EDTA Extract	993.01	041.60	4	46.79	0.54
Method Group 041.XX PCT			10	46.79	1.30
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	15	43.68	1.15
Water Soluble Phosphate, Other		048.99	2	43.10	0.50
Method Group 048.XX PCT			17	43.68	1.45
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.17	0.01
Soluble Potash, Other		050.99	5	0.18	0.01
Method Group 050.XX PCT			7	0.18	0.01
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	15	0.85	0.17
Free Water, Other		060.99	1	6.25	0.00
Method Group 060.XX PCT			16	0.85	0.23
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	13	0.45	0.02
Method Group 101.XX PCT			13	0.45	0.03
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	13	1.19	0.04
Method Group 121.XX PCT			13	1.19	0.05
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	2	2.12	0.01
Sulfur, Spectrometric		144.70	2	2.22	0.02
Sulfur, Other		144.99	11	2.18	0.12

Method Group 144.XX PCT		15	2.18	0.12
TOTAL SULFUR (S)				
Sulfur, Other	145.99	1	2.41	0.0
Method Group 145.XX PCT		1	2.41	0.0
TOTAL ARSENIC				
Total Arsenic, ICP	980.02(b) 151.02	5		4.2
Method Group 151.XX PPM		5	0.0	5.2
ACID SOLUBLE BORON				
Acid Soluble Boron, Other	165.99	1	111	0.0
Method Group 165.XX PPM		1	111	0.0
WATER SOLUBLE BORON				
Water Soluble Boron, Other	171.99	1	70	0.0
Method Group 171.XX PPM		1	70	0.0
TOTAL CADMIUM				
Total Cadmium, ICP	181.30	5	34.1	4.5
Method Group 181.XX PPM		5	34.1	5.5
ALUMINUM AS Al₂O₃				
ICP, %		12	0.52	0.02
Water Soluble Chlorine, Other, %	190.99	1	1.17	0.00
Method Group 190.XX PCT		13	0.53	0.03
TOTAL CHROMIUM				
Total Chromium, ICP	191.30	5	216	0.7
Method Group 191.XX PPM		5	216	0.9
ACID SOLUBLE COBALT				
Acid Soluble Cobalt, ICP	202.30	4	2	0.0
Method Group 202.XX PPM		4	2	0.0
ACID SOLUBLE COPPER				
Method Group 221.XX PPM		4	0.0	0.7
ACID SOLUBLE IRON AS Fe₂O₃				
Acid Soluble Iron, ICP	241.30	13	0.82	0.02
Method Group 241.XX PCT		13	0.82	0.03
TOTAL LEAD				
Total Lead, ICP	251.30	4	0.5	0.8
Method Group 251.XX PPM		4	0.5	0.9
ACID SOLUBLE MANGANESE				
Acid Soluble Manganese, ICP	972.02a 261.30	5	155	14.4
Method Group 261.XX PPM		5	155	17.5
WATER SOLUBLE MANGANESE				
Water Soluble Manganese, ICP	972.03 271.30	1	22	0
Method Group 271.XX PCT		1	22	0.0
TOTAL MOLYBDENUM				
Total Molybdenum, ICP	289.30	4	3	3.4
Method Group 289.XX PPM		4	3	4.1
TOTAL NICKEL				
Total Nickel, ICP	291.30	5	13.2	0.7
Method Group 291.XX PPM		5	13.2	0.9
TOTAL SELENIUM				
Total Selenium, ICP	301.30	3		0.0
Method Group 301.XX PPM		3	0.0	0.0
SODIUM AS Na₂O				
Sodium, Other	311.99	8	0.23	0.02
Method Group 311.XX PCT		8	0.23	0.03
ACID SOLUBLE ZINC				
Acid Soluble Zinc, ICP	321.30	5	460.0	65.4
Method Group 321.XX %		5	460.0	79.7
FLUORIDE				
Volumetric	325.10	10	1.42	0.10
Distilled/Electrode	325.99	3	1.47	0.02
Method Group 325.XX PCT		13	1.44	0.05

001.10		Ammoniacal Nitrogen	
Lab		MgO distillation	
31	17.18		0.000
Median	17.18		0.000

001.99		Ammoniacal Nitrogen	
Lab		Other	
38	17.85		-2.791
61	17.73		-1.492
24	17.71		-1.340
61	17.69		-1.087
Std Dev	17.68		-1.000
275	17.66		-0.784
140	17.58		-0.025
Median	17.58		0.000
24	17.58		0.025
79	17.57		0.076
79	17.56		0.177
23	17.56		0.228
34	17.56		0.228
23	17.52		0.582

001.XX		Ammoniacal Nitrogen	
Lab		Total Method	
38	17.85		-2.871
61	17.73		-1.546
24	17.71		-1.392
61	17.69		-1.134
Std Dev	17.67		-1.000
275	17.66		-0.825
140	17.58		-0.052
24	17.58		0.000
Median	17.58		0.000
79	17.57		0.052
79	17.56		0.155
23	17.56		0.206
34	17.56		0.206
23	17.52		0.567
Std Dev	17.48		1.000
31	17.18		4.097

009.99		Ammon & Nitrate N	
Lab		Other	
32	17.62		-1.340

Std Dev	17.61		-1.000
Median	17.60		0.000
Std Dev	17.59		1.000
32	17.59		1.340

009.XX		Ammon & Nitrate N	
Lab		Total Method	
32	17.62		-1.340
Std Dev	17.61		-1.000
Median	17.60		0.000
Std Dev	17.59		1.000
32	17.59		1.340

010.11		Total Nitrogen	
Lab		Modified Comprehensive	
219	17.67		0.000
Median	17.67		0.000

010.60		Total Nitrogen	
Lab		Combustion	
31	18.09		-3.045
79	17.86		-1.353
79	17.83		-1.128
38	17.82		-1.022
Std Dev	17.81		-1.000
140	17.81		-0.977
103	17.76		-0.601
47	17.69		-0.038
Median	17.68		0.000
63	17.68		0.038
77	17.65		0.226
219	17.64		0.301
14	17.64		0.338
14	17.63		0.413
111	17.60		0.639
Std Dev	17.55		1.000
66	17.30		2.857

010.99		Total Nitrogen	
Lab		Other	
23	17.78		-1.340
Std Dev	17.77		-1.000
Median	17.76		0.000
Std Dev	17.74		1.000

23	17.74		1.340
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010.XX		Total Nitrogen	
Lab		Total Method	
31	18.09		-3.153
79	17.86		-1.379
79	17.83		-1.143
38	17.82		-1.033
Std Dev	17.81		-1.000
140	17.81		-0.985
23	17.78		-0.709
103	17.76		-0.591
23	17.74		-0.434
47	17.69		0.000
Median	17.69		0.000
63	17.68		0.079
219	17.67		0.118
77	17.65		0.276
219	17.64		0.355
14	17.64		0.394
14	17.63		0.473
111	17.60		0.709
Std Dev	17.56		1.000
66	17.30		3.035

020.20		Total Phosphate	
Lab		Spectrometric	
111	47.04		-0.993
79	47.00		-0.832
23	46.94		-0.554
34	46.92		-0.462
23	46.89		-0.323
140	46.89		-0.323
24	46.87		-0.208
24	46.82		0.000
79	46.82		0.000
Median	46.82		0.000
32	46.81		0.046
61	46.75		0.323
32	46.69		0.624
Std Dev	46.60		1.000
61	46.60		1.017
14	46.59		1.063
14	46.58		1.132

31	46.37		2.102
38	45.36		6.769

020.40		Total Phosphate	
Lab		Automated	
111	46.56		0.000
Median	46.56		0.000

020.XX		Total Phosphate	
Lab		Total Method	
111	47.04		-0.991
79	47.00		-0.833
23	46.94		-0.563
34	46.92		-0.473
23	46.89		-0.338
140	46.89		-0.338
24	46.87		-0.225
24	46.82		-0.023
79	46.82		-0.023
Median	46.82		0.000
32	46.81		0.023
61	46.75		0.293
32	46.69		0.586
61	46.60		0.968
Std Dev	46.59		1.000
14	46.59		1.013
14	46.58		1.081
111	46.56		1.160
31	46.37		2.027
38	45.36		6.576

030.20		Insoluble Phosphate	
Lab		Spectrometric	
61	0.12		-5.360
61	0.11		-4.824
79	0.04		-1.072
79	0.04		-1.072
Std Dev	0.04		-1.000
23	0.02		0.000
Median	0.02		0.000
23	0.02		0.268
24	0.02		0.268
24	0.01		0.536
140	0.01		0.536

030.30 Insoluble Phosphate		
Lab	Alka. Quimociac	
31	0.10	0.000
Median	0.10	0.000

030.40 Insoluble Phosphate		
Lab	Automated	
34	0.06	-2.144
Std Dev	0.04	-1.000
32	0.02	0.000
Median	0.02	0.000
32	0.01	0.536

030.XX Insoluble Phosphate		
Lab	Total Method	
61	0.12	-2.978
61	0.11	-2.680
31	0.10	-2.308
34	0.06	-1.191
Std Dev	0.05	-1.000
79	0.04	-0.596
79	0.04	-0.596
23	0.02	0.000
32	0.02	0.000
Median	0.02	0.000
23	0.02	0.149
24	0.02	0.149
24	0.01	0.298
32	0.01	0.298
140	0.01	0.298

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
79	46.96	-1.127
Std Dev	46.94	-1.000
23	46.93	-0.888
140	46.88	-0.580
23	46.87	-0.512
24	46.87	-0.478
32	46.80	-0.034
Median	46.80	0.000
24	46.79	0.034
79	46.78	0.102

61	46.68	0.785
32	46.67	0.888
Std Dev	46.65	1.000
61	46.64	1.058
31	46.27	3.602

040.99 Indirect Available Phosphate		
Lab	Other	
34	46.87	0.000
Median	46.87	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	
79	46.96	-1.128
Std Dev	46.94	-1.000
23	46.93	-0.882
140	46.88	-0.564
34	46.87	-0.494
23	46.87	-0.494
24	46.87	-0.458
32	46.80	0.000
Median	46.80	0.000
24	46.79	0.071
79	46.78	0.141
61	46.68	0.846
32	46.67	0.952
Std Dev	46.66	1.000
61	46.64	1.128
31	46.27	3.756

041.10 Direct Available Phosphate		
Lab	Gravimetric Quimociac	
47	46.88	0.000
Median	46.88	0.000

041.20 Direct Available Phosphate		
Lab	Spectrometric	
47	47.03	0.000
Median	47.03	0.000

041.40 Direct Available Phosphate		
Lab	Automated	
111	45.10	0.000
Median	45.10	0.000

041.50 Direct Available Phosphate		
Lab	ICP	
63	46.95	-0.314
66	46.66	0.000
Median	46.66	0.000
Std Dev	45.75	1.000
111	44.51	2.366

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
77	47.90	-2.072
Std Dev	47.32	-1.000
79	46.80	-0.028
Median	46.79	0.000
79	46.77	0.028
Std Dev	46.25	1.000
103	45.11	3.121

041.XX Direct Available Phosphate		
Lab	Total Method	
77	47.90	-1.042
Std Dev	47.85	-1.000
47	47.03	-0.224
63	46.95	-0.150
47	46.88	-0.084
79	46.80	-0.014
Median	46.79	0.000
79	46.77	0.014
66	46.66	0.117
Std Dev	45.72	1.000
103	45.11	1.570
111	45.10	1.576
111	44.51	2.125

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
32	44.85	-1.012
Std Dev	44.83	-1.000
32	44.58	-0.782
140	44.20	-0.452
79	44.07	-0.339
23	44.02	-0.295
79	43.99	-0.269

23	43.99	-0.265
24	43.68	0.000
Median	43.68	0.000
24	43.55	0.113
61	42.91	0.669
61	42.60	0.938
Std Dev	42.53	1.000
111	42.41	1.108
14	42.09	1.381
14	42.05	1.420
31	41.70	1.722

048.99 Water Soluble Phosphate		
Lab	Other	
34	43.77	-1.340
Std Dev	43.60	-1.000
Median	43.10	0.000
Std Dev	42.59	1.000
111	42.42	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
32	44.85	-0.977
32	44.58	-0.755
140	44.20	-0.436
79	44.07	-0.327
23	44.02	-0.285
79	43.99	-0.260
23	43.99	-0.256
34	43.77	-0.075
24	43.68	0.000
Median	43.68	0.000
24	43.55	0.109
61	42.91	0.646
61	42.60	0.906
Std Dev	42.49	1.000
111	42.42	1.055
111	42.41	1.069
14	42.09	1.334
14	42.05	1.371
31	41.70	1.663

050.50 %K ₂ O Soluble Potash		
Lab	ICP(Oxalate)	

23	0.18	-1.340
Std Dev	0.17	-1.000
Median	0.17	0.000
Std Dev	0.16	1.000
23	0.16	1.340

050.99 Soluble Potash		
Lab	%K ₂ O	Other
31	0.24	-8.040
Std Dev	0.18	-1.000
61	0.18	-0.670
24	0.18	0.000
Median	0.18	0.000
24	0.17	0.670
61	0.17	0.670

050.XX Soluble Potash		
Lab	%K ₂ O	Total Method
31	0.24	-10.720
Std Dev	0.18	-1.000
61	0.18	-0.893
23	0.18	0.000
24	0.18	0.000
Median	0.18	0.000
24	0.17	0.893
61	0.17	0.893
Std Dev	0.17	1.000
23	0.16	2.680

060.00 Free Water		
Lab		Vacuum Oven
31	3.03	-12.701
32	1.09	-1.398
32	1.07	-1.311
34	1.07	-1.311
24	1.02	-1.020
Std Dev	1.02	-1.000
24	0.92	-0.437
14	0.86	-0.087
14	0.85	0.000
Median	0.85	0.000
61	0.84	0.058
79	0.82	0.146
79	0.82	0.146

140	0.81	0.204
Std Dev	0.67	1.000
23	0.61	1.398
23	0.59	1.486
61	0.59	1.515

060.99 Free Water		
Lab		Other
111	6.25	0.000
Median	6.25	0.000

060.XX Free Water		
Lab		Total Method
111	6.25	-28.644
31	3.03	-11.529
32	1.09	-1.234
32	1.07	-1.154
34	1.07	-1.154
Std Dev	1.04	-1.000
24	1.02	-0.889
24	0.92	-0.358
14	0.86	-0.040
Median	0.85	0.000
14	0.85	0.040
61	0.84	0.093
79	0.82	0.172
79	0.82	0.172
140	0.81	0.226
Std Dev	0.66	1.000
23	0.61	1.313
23	0.59	1.393
61	0.59	1.420

101.30 Acid Soluble Calcium		
Lab	%CaO	ICP
111	0.57	-5.405
24	0.52	-3.350
32	0.48	-1.563
Std Dev	0.47	-1.000
61	0.46	-0.670
34	0.45	-0.223
24	0.45	0.000
32	0.45	0.000
61	0.45	0.000

Median	0.45	0.000
14	0.44	0.223
14	0.43	0.670
23	0.43	0.670
Std Dev	0.42	1.000
23	0.42	1.117
31	0.16	12.618

101.XX Acid Soluble Calcium		
Lab	%CaO	Total Method
111	0.57	-5.405
24	0.52	-3.350
32	0.48	-1.563
Std Dev	0.47	-1.000
61	0.46	-0.670
34	0.45	-0.223
24	0.45	0.000
32	0.45	0.000
61	0.45	0.000
Median	0.45	0.000
14	0.44	0.223
14	0.43	0.670
23	0.43	0.670
Std Dev	0.42	1.000
23	0.42	1.117
31	0.16	12.618

121.30 Acid Soluble Magnesium		
Lab	%MgO	ICP
31	1.29	-2.881
Std Dev	1.22	-1.000
32	1.22	-0.938
34	1.22	-0.938
14	1.21	-0.670
14	1.20	-0.268
61	1.20	-0.268
24	1.19	0.000
Median	1.19	0.000
61	1.17	0.402
24	1.17	0.536
32	1.16	0.670
Std Dev	1.15	1.000
23	1.14	1.340
23	1.13	1.474

111	1.11	2.003
121.XX	Acid Soluble Magnesium	
Lab	%MgO	Total Method
31	1.29	-2.881
Std Dev	1.22	-1.000
32	1.22	-0.938
34	1.22	-0.938
14	1.21	-0.670
14	1.20	-0.268
61	1.20	-0.268
24	1.19	0.000
Median	1.19	0.000
61	1.17	0.402
24	1.17	0.536
32	1.16	0.670
Std Dev	1.15	1.000
23	1.14	1.340
23	1.13	1.474
111	1.11	2.003

144..01 Sulfate Sulfur (S)		
Lab		Gravimetric
79	2.13	-1.340
Std Dev	2.13	-1.000
Median	2.12	0.000
Std Dev	2.11	1.000
79	2.11	1.340

144.70 Sulfur		
Lab		Spectrometric
14	2.25	-1.340
Std Dev	2.24	-1.000
Median	2.22	0.000
Std Dev	2.19	1.000
14	2.19	1.340

144.99 Sulfate Sulfur (S)		
Lab		Other
24	2.28	-0.875
24	2.25	-0.625
23	2.22	-0.389
32	2.21	-0.292
34	2.18	-0.042

32	2.18	0.000
Median	2.18	0.000
23	2.17	0.028
61	2.07	0.916
Std Dev	2.05	1.000
61	2.05	1.083
31	1.67	4.207
31	1.64	4.457

144.XX	Sulfate Sulfur (S)
Lab	Total Method

24	2.28	-1.096
Std Dev	2.27	-1.000
14	2.25	-0.783
24	2.25	-0.783
23	2.22	-0.487
32	2.21	-0.365
14	2.19	-0.104
34	2.18	-0.052
32	2.18	0.000
Median	2.18	0.000
23	2.17	0.035
79	2.13	0.470
79	2.11	0.679
Std Dev	2.08	1.000
61	2.07	1.149
61	2.05	1.357
31	1.67	5.273
31	1.64	5.586

145.99	Total Sulfur (S)
Lab	Other

111	2.41	0.000
Median	2.41	0.000

145.XX	Total Sulfur (S)
Lab	Total Method

111	2.41	0.000
Median	2.41	0.000

151.30	Total Arsenic
Lab	ICP

31	9.20	-2.169
140	5.69	-1.340

Std Dev	4.24	-1.000
61	0.00	0.000
61	0.00	0.000
111	0.00	0.000
Median	0.00	0.000

151.XX	Total Arsenic
Lab	Total Method

31	9.20	-2.169
140	5.69	-1.340
Std Dev	4.24	-1.000
61	0.00	0.000
61	0.00	0.000
111	0.00	0.000
Median	0.00	0.000

165.99	Acid Soluble Boron	
Lab	PPM	Other

111	111.00	0.000
Median	111.00	0.000

165.XX, ppm	Acid Soluble Boron	
Lab	PPM	Total Method

111	111.00	0.000
Median	111.00	0.000

171.99	Water Soluble Boron	
Lab	PPM	Other

111	70.00	0.000
Median	70.00	0.000

171.XX	Water Soluble Boron	
Lab	PPM	Total Method

111	70.00	0.000
Median	70.00	0.000

181.30	Total Cadmium	
Lab	PPM	ICP

61	39.00	-1.099
Std Dev	38.55	-1.000
61	38.00	-0.876
275	34.08	0.000
Median	34.08	0.000
111	32.00	0.464

Std Dev	29.60	1.000
31	27.50	1.469

181.XX	Total Cadmium	
Lab	PPM	Total Method

61	39.00	-1.099
Std Dev	38.55	-1.000
61	38.00	-0.876
275	34.08	0.000
Median	34.08	0.000
111	32.00	0.464
Std Dev	29.60	1.000
31	27.50	1.469

190.00	Aluminum	
Lab	%Al ₂ O ₃	ICP

14	0.56	-2.233
14	0.55	-1.340
34	0.54	-1.042
Std Dev	0.54	-1.000
32	0.53	-0.447
24	0.53	-0.149
32	0.53	-0.149
Median	0.52	0.000
24	0.52	0.149
61	0.52	0.149
23	0.51	0.744
61	0.51	0.744
Std Dev	0.51	1.000
23	0.49	1.936
111	0.37	8.933

190.99	Aluminum	
Lab	%Al ₂ O ₃	Atomic Absorption

31	1.17	0.000
Median	1.17	0.000

190.XX	Aluminum	
Lab	%Al ₂ O ₃	Total Method

31	1.17	-28.587
14	0.56	-1.563
Std Dev	0.55	-1.000
14	0.55	-0.893
34	0.54	-0.670

32	0.53	-0.223
24	0.53	0.000
32	0.53	0.000
Median	0.53	0.000
24	0.52	0.223
61	0.52	0.223
23	0.51	0.670
61	0.51	0.670
Std Dev	0.50	1.000
23	0.49	1.563
111	0.37	6.812

191.30	Total Chromium
Lab	ICP

61	220.50	-6.270
Std Dev	216.57	-1.000
61	216.00	-0.240
275	215.82	0.000
Median	215.82	0.000
Std Dev	215.07	1.000
111	215.00	1.100
31	206.20	12.892

191.XX	Total Chromium	
Lab	PPM	Total Method

61	220.50	-6.270
Std Dev	216.57	-1.000
61	216.00	-0.240
275	215.82	0.000
Median	215.82	0.000
Std Dev	215.07	1.000
111	215.00	1.100
31	206.20	12.892

202.30	Acid Soluble Cobalt	
Lab	PPM	ICP

202.XX	Acid Soluble Cobalt	
Lab	PPM	Total Method

61	2.00	0.000
61	2.00	0.000
111	2.00	0.000
Median	2.00	0.000
Std Dev	1.97	1.000

275	1.82	5.360
221.30 Acid Soluble Copper		
Lab	PPM	ICP
275	2.95	-5.360
Std Dev	0.55	-1.000
61	0.00	0.000
61	0.00	0.000
111	0.00	0.000
Median	0.00	0.000

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
275	2.95	-5.360
Std Dev	0.55	-1.000
61	0.00	0.000
61	0.00	0.000
111	0.00	0.000
Median	0.00	0.000

241.30 Acid Soluble Iron		
Lab	%Fe ₂ O ₃	ICP
31	0.92	-4.355
111	0.85	-1.161
Std Dev	0.84	-1.000
14	0.84	-0.893
61	0.83	-0.447
61	0.83	-0.447
14	0.83	-0.223
24	0.82	0.000
34	0.82	0.000
Median	0.82	0.000
23	0.80	0.893
24	0.80	0.893
Std Dev	0.80	1.000
32	0.80	1.117
23	0.77	2.233
32	0.75	3.127

241.XX Acid Soluble Iron		
Lab	%Fe ₂ O ₃	Total Method
31	0.92	-4.355
111	0.85	-1.161
Std Dev	0.84	-1.000

14	0.84	-0.893
61	0.83	-0.447
61	0.83	-0.447
14	0.83	-0.223
24	0.82	0.000
34	0.82	0.000
Median	0.82	0.000
23	0.80	0.893
24	0.80	0.893
Std Dev	0.80	1.000
32	0.80	1.117
23	0.77	2.233
32	0.75	3.127

251.30 Total Lead		
Lab	PPM	ICP
275	1.14	-0.829
61	1.00	-0.647
Median	0.50	0.000
61	0.00	0.647
111	0.00	0.647

251.XX Total Lead		
Lab	PPM	Total Method
275	1.14	-0.829
61	1.00	-0.647
Median	0.50	0.000
61	0.00	0.647
111	0.00	0.647

261.30 Acid Soluble Manganese		
Lab	PPM	ICP
61	167.50	-0.871
61	163.50	-0.592
111	155.00	0.000
Median	155.00	0.000
275	144.26	0.748
Std Dev	140.64	1.000
31	123.60	2.187

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
61	167.50	-0.871
61	163.50	-0.592

111	155.00	0.000
Median	155.00	0.000
275	144.26	0.748
Std Dev	140.64	1.000
31	123.60	2.187

271.30 Water Soluble Manganese		
Lab	PPM	ICP
111	22.00	0.000
Median	22.00	0.000

271.XX Water Soluble Manganese		
Lab	PPM	Total Method
111	22.00	0.000
Median	22.00	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP

289.XX Total Molybdenum		
Lab	PPM	Total Method
31	16.70	-3.942
Std Dev	6.74	-1.000
111	4.00	-0.192
Median	3.35	0.000
61	2.70	0.192
61	2.45	0.266

291.30 Total Nickel		
Lab	PPM	ICP

291.XX Total Nickel		
Lab	PPM	Total Method
31	14.78	-2.137
61	14.00	-1.099
Std Dev	13.93	-1.000
275	13.18	0.000
Median	13.18	0.000
61	13.00	0.241
Std Dev	12.43	1.000
111	0.00	17.661

301.30 Total Selenium		
Lab	PPM	ICP

61	0.00	0.000
61	0.00	0.000
111	0.00	0.000
Median	0.00	0.000

301.XX Total Selenium		
Lab	PPM	Total Method
61	0.00	0.000
61	0.00	0.000
111	0.00	0.000
Median	0.00	0.000

311.99 Sodium Other		
Lab	%Na ₂ O	Total Method
31	0.58	-14.495
Std Dev	0.25	-1.000
24	0.25	-0.834
111	0.24	-0.605
24	0.24	-0.209
Median	0.23	0.000
61	0.23	0.209
61	0.22	0.626
23	0.21	0.834
Std Dev	0.21	1.000
23	0.20	1.251

311.XX Sodium Other		
Lab	%Na ₂ O	Total Method
31	0.58	-14.495
Std Dev	0.25	-1.000
24	0.25	-0.834
111	0.24	-0.605
24	0.24	-0.209
Median	0.23	0.000
61	0.23	0.209
61	0.22	0.626
23	0.21	0.834
Std Dev	0.21	1.000
23	0.20	1.251

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
111	476.50	-0.252
61	462.50	-0.038

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61	460.00	0.000
Median	460.00	0.000
Std Dev	394.59	1.000
275	374.85	1.302
31	139.08	4.906

32	1.47	-0.598
34	1.44	0.000
Median	1.44	0.000
24	1.43	0.239
23	1.42	0.598
23	1.41	0.718
14	1.29	3.589
14	1.29	3.709
31	0.53	21.895

321.XX		Acid Soluble Zinc
Lab	PPM	Total Method
111	476.50	-0.252
61	462.50	-0.038
61	460.00	0.000
Median	460.00	0.000
Std Dev	394.59	1.000
275	374.85	1.302
31	139.08	4.906

325.10		Fluoride
Lab	%	Electrode
32	1.50	-0.700
24	1.47	-0.410
32	1.47	-0.410
34	1.44	-0.169
24	1.43	-0.072
Median	1.42	0.000
23	1.42	0.072
23	1.41	0.121
14	1.29	1.280
14	1.29	1.328
31	0.53	8.668

325.99		Fluoride
Lab	%	Other
61	1.51	-2.436
61	1.47	0.000
Median	1.47	0.000
275	1.47	0.244

325.XX		Fluoride
Lab	%	Total Method
61	1.51	-1.675
32	1.50	-1.316
61	1.47	-0.718
275	1.47	-0.622
24	1.47	-0.598