

AFPC

Sample

2021-08

Grade

18-46-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
AMMONIACAL NITROGEN					
Ammoniacal Nitrogen, Other		001.99	13	18.05	0.13
Method Group 001.XX PCT			13	18.05	0.16
AMMON & NITRATE N					
Ammon & Nitrate N, Other		009.99	2	18.12	0.01
Method Group 009.XX PCT			2	18.12	0.02
TOTAL NITROGEN					
Total Nitrogen, Modified Comprehensive	978.02	010.11	2	18.08	0.09
Total Nitrogen, Combustion	993.13	010.60	11	18.15	0.16
Total Nitrogen, Other		010.99	2	18.23	0.01
Method Group 010.XX PCT			15	18.17	0.19
TOTAL PHOSPHATE					
Total Phosphate, Gravimetric Quimociac		020.10	4	45.87	0.04
Total Phosphate, Spectrometric	978.02	020.20	21	46.24	0.25
Total Phosphate, ICP	970.03	020.40	2	46.03	0.57
Total Phosphate, Other	993.13	020.99	1	45.99	0.00
Method Group 020.XX PCT			28	46.13	0.35
INSOLUBLE PHOSPHATE					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	10	0.06	0.02
Insoluble Phosphate, Automated	978.01	030.40	3	0.06	0.00
Method Group 030.XX PCT			13	0.06	0.01
INDIRECT AVAILABLE PHOSPHATE					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	46.22	0.06
Indirect Available Phosphate, Other		040.99	1	46.30	0.00
Method Group 040.XX PCT			11	46.24	0.09
DIRECT AVAILABLE PHOSPHATE					
Direct Available Phosphate, Spectrometric	960.03D	041.20	1	46.55	0.00
Direct Available Phosphate, ICP		041.50	2	45.88	0.55
Direct Available Phosphate, EDTA Extract	993.01	041.60	3	45.64	0.63
Direct Available Phosphate, Other		041.99	1	45.21	0.00
Method Group 041.XX PCT			7	45.64	1.27
WATER SOLUBLE PHOSPHATE					
Water Soluble Phosphate, Spectrometric	970.01	048.20	16	43.51	0.47
Water Soluble Phosphate, Other		048.99	2	41.76	1.48
Method Group 048.XX PCT			18	43.51	0.57
SOLUBLE POTASH AS K₂O					
Soluble Potash, ICP(Oxalate)		050.50	2	0.18	0.00
Soluble Potash, ICP(Citrate)		050.51	1	0.19	0.00
Soluble Potash, Other		050.99	7	0.18	0.01
Method Group 050.XX PCT			10	0.18	0.01
FREE WATER					
Free Water, Vacuum Oven	965.08B	060.00	13	1.04	0.23
Free Water, Other		060.99	2	1.23	0.00
Method Group 060.XX PCT			15	1.05	0.33
ACID SOLUBLE CALCIUM AS CaO					
Acid Soluble Calcium, ICP		101.30	19	0.41	0.04
Method Group 101.XX PCT			19	0.41	0.05
ACID SOLUBLE MAGNESIUM AS MgO					
Acid Soluble Magnesium, ICP		121.30	19	1.33	0.07
Method Group 121.XX PCT			19	1.33	0.09
SULFATE SULFUR (S)					
Sulfur, Gravimetric	980.02(a)	144.01	5	2.17	0.09

Sulfur, Other		144.99	12	2.22	0.04
Method Group 144.XX PCT			17	2.21	0.06
TOTAL SULFUR (S)					
Sulfur, Other		145.99	4	2.13	0.1
Method Group 145.XX PCT			4	2.13	0.1
TOTAL ARSENIC					
Total Arsenic, ICP	980.02(b)	151.02	8	5.4	3.5
Method Group 151.XX PPM			8	5.4	4.2
TOTAL CADMIUM					
Total Cadmium, ICP		181.30	10	31.2	1.7
Method Group 181.XX PPM			10	31.2	2.0
ALUMINUM AS Al₂O₃					
ICP, %			18	0.56	0.02
Method Group 190.XX PCT			18	0.56	0.02
TOTAL CHROMIUM					
Total Chromium, ICP		191.30	10	204	9.8
Method Group 191.XX PPM			10	204	11.9
ACID SOLUBLE COBALT					
Acid Soluble Cobalt, ICP		202.30	8	2	0.7
Method Group 202.XX PPM			8	2	0.9
ACID SOLUBLE COPPER					
Method Group 221.XX PPM			9	2.4	1.8
ACID SOLUBLE IRON AS Fe₂O₃					
Acid Soluble Iron, ICP		241.30	18	0.73	0.01
Method Group 241.XX PCT			18	0.73	0.02
TOTAL LEAD					
Total Lead, ICP		251.30	8	1.1	0.8
Method Group 251.XX PPM			8	1.1	0.9
ACID SOLUBLE MANGANESE					
Acid Soluble Manganese, ICP	972.02a	261.30	7	124	95.3
Acid Soluble Manganese, Other		261.99	2	131	1.3
Method Group 261.XX PPM			9	125	9.5
WATER SOLUBLE MANGANESE					
Water Soluble Manganese, ICP	972.03	271.30	2	128	0
Method Group 271.XX PCT			2	128	0.4
TOTAL MERCURY					
Total Mercury, Atomic Absorbion		281.00	1	1	0.00
Total Mercury, ICP		281.30	1	0.00	0.00
Method Group 281.XX PPM			2	0.51	0.45
TOTAL MOLYBDENUM					
Total Molybdenum, ICP		289.30	7	6	3.6
Method Group 289.XX PPM			7	6	4.4
TOTAL NICKEL					
Total Nickel, ICP		291.30	10	7.7	2.1
Method Group 291.XX PPM			10	7.7	2.6
TOTAL SELENIUM					
Total Selenium, ICP		301.30	2	0.8	0.6
Method Group 301.XX PPM			2	0.8	0.7
SODIUM AS Na₂O					
Sodium, Other		311.99	12	0.24	0.02
Method Group 311.XX PCT			12	0.24	0.02
ACID SOLUBLE ZINC					
Acid Soluble Zinc, ICP		321.30	9	411.0	16.8
Method Group 321.XX %			9	411.0	20.5
FLUORIDE					
Volumetric		325.10	13	1.74	0.10
Electrode	AFPC	325.30	1	1.80	0.00

Distilled/Electrode	325.99	3	1.72	0.08
Method Group 325.XX PCT		17	1.74	0.14

001.99 Ammoniacal Nitrogen		
Lab		Other
335	18.81	-5.695
Std Dev	18.18	-1.000
79	18.15	-0.782
61	18.12	-0.558
34	18.11	-0.484
79	18.08	-0.261
275	18.08	-0.223
24	18.05	0.000
Median	18.05	0.000
61	18.03	0.112
24	18.01	0.298
23	17.93	0.856
23	17.92	0.968
Std Dev	17.91	1.000
81	17.89	1.154
38	17.79	1.936

001.XX Ammoniacal Nitrogen		
Lab		Total Method
335	18.81	-5.695
Std Dev	18.18	-1.000
79	18.15	-0.782
61	18.12	-0.558
34	18.11	-0.484
79	18.08	-0.261
275	18.08	-0.223
24	18.05	0.000
Median	18.05	0.000
61	18.03	0.112
24	18.01	0.298
23	17.93	0.856
23	17.92	0.968
Std Dev	17.91	1.000
81	17.89	1.154
38	17.79	1.936

009.99 Ammon & Nitrate N		
Lab		Other
32	18.14	-1.340
Std Dev	18.13	-1.000
Median	18.12	0.000
Std Dev	18.11	1.000

32	18.10	1.340
009.XX Ammon & Nitrate N		
Lab		Total Method
32	18.14	-1.340
Std Dev	18.13	-1.000
Median	18.12	0.000
Std Dev	18.11	1.000
32	18.10	1.340

010.11 Total Nitrogen		
Lab		Modified Comprehensive
43	18.20	-1.340
Std Dev	18.17	-1.000
Median	18.08	0.000
Std Dev	17.99	1.000
43	17.97	1.340

010.60 Total Nitrogen		
Lab		Combustion
38	18.45	-1.848
Std Dev	18.31	-1.000
77	18.29	-0.832
63	18.27	-0.709
79	18.20	-0.308
79	18.17	-0.123
80	18.15	0.000
Median	18.15	0.000
137	18.08	0.431
140	18.04	0.709
103	18.00	0.955
Std Dev	17.99	1.000
14	17.95	1.232
14	17.95	1.232

010.99 Total Nitrogen		
Lab		Other
23	18.25	-1.340
Std Dev	18.24	-1.000
Median	18.23	0.000
Std Dev	18.21	1.000
23	18.21	1.340

010.XX Total Nitrogen		
Lab		Total Method
38	18.45	-1.787
Std Dev	18.33	-1.000
77	18.29	-0.734
63	18.27	-0.606
23	18.25	-0.479
23	18.21	-0.223
79	18.20	-0.191
43	18.20	-0.160
79	18.17	0.000
Median	18.17	0.000
80	18.15	0.128
137	18.08	0.574
140	18.04	0.861
Std Dev	18.01	1.000
103	18.00	1.117
43	17.97	1.308
14	17.95	1.404
14	17.95	1.404

020.10 Total Phosphate		
Lab		Gravimetric Quimociac
84	45.92	-1.411
Std Dev	45.91	-1.000
83	45.89	-0.564
Median	45.87	0.000
241	45.85	0.564
241	45.85	0.564

020.20 Total Phosphate		
Lab		Spectrometric
38	46.56	-1.299
Std Dev	46.49	-1.000
61	46.37	-0.508
34	46.35	-0.447
24	46.33	-0.345
79	46.32	-0.325
140	46.31	-0.264
79	46.30	-0.244
16	46.29	-0.183
23	46.25	-0.020
23	46.25	-0.020
43	46.24	0.000

Median		
46.24	0.000	
43	46.23	0.061
32	46.15	0.365
24	46.11	0.548
84	46.04	0.812
Std Dev	45.99	1.000
82	45.98	1.076
32	45.97	1.117
61	45.94	1.238
14	45.92	1.320
14	45.86	1.543
81	45.86	1.543

020.40 Total Phosphate		
Lab		Automated
137	46.79	-1.340
Std Dev	46.60	-1.000
Median	46.03	0.000
Std Dev	45.47	1.000
335	45.28	1.340

020.99 Total Phosphate		
Lab		Other
275	45.99	0.000
Median	45.99	0.000

020.XX Total Phosphate		
Lab		Total Method
137	46.79	-2.321
38	46.56	-1.515
Std Dev	46.41	-1.000
61	46.37	-0.832
34	46.35	-0.779
24	46.33	-0.692
79	46.32	-0.674
140	46.31	-0.622
79	46.30	-0.604
16	46.29	-0.552
23	46.25	-0.412
23	46.25	-0.412
43	46.24	-0.394
43	46.23	-0.342
32	46.15	-0.079
Median	46.13	0.000

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24	46.11	0.079
84	46.04	0.307
275	45.99	0.482
82	45.98	0.534
32	45.97	0.569
61	45.94	0.674
84	45.92	0.727
14	45.92	0.744
83	45.89	0.832
14	45.86	0.937
81	45.86	0.937
241	45.85	0.972
241	45.85	0.972
Std Dev	45.84	1.000
335	45.28	2.987

030.20 Insoluble Phosphate		
Lab	Spectrometric	
16	0.08	-1.200
Std Dev	0.08	-1.000
61	0.08	-0.766
23	0.07	-0.510
23	0.06	0.000
79	0.06	0.000
79	0.06	0.000
Median	0.06	0.000
140	0.05	0.766
Std Dev	0.04	1.000
61	0.04	1.021
24	0.01	2.552
24	0.01	2.552

030.40 Insoluble Phosphate		
Lab	Automated	
32	0.06	-1.340
Std Dev	0.06	-1.000
32	0.06	0.000
Median	0.06	0.000
Std Dev	0.05	1.000
34	0.05	1.340

030.XX Insoluble Phosphate		
Lab	Total Method	
16	0.08	-2.099

61	0.08	-1.340
Std Dev	0.07	-1.000
23	0.07	-0.893
23	0.06	0.000
32	0.06	0.000
79	0.06	0.000
79	0.06	0.000
Median	0.06	0.000
32	0.06	0.447
34	0.05	0.893
Std Dev	0.05	1.000
140	0.05	1.340
61	0.04	1.787
24	0.01	4.467
24	0.01	4.467

040.20 Indirect Available Phosphate		
Lab	Spectrometric	
24	46.32	-1.531
61	46.29	-1.125
Std Dev	46.28	-1.000
140	46.26	-0.638
79	46.26	-0.638
79	46.24	-0.313
Median	46.22	0.000
16	46.20	0.313
23	46.19	0.581
23	46.18	0.743
Std Dev	46.16	1.000
24	46.10	2.042
61	45.90	5.291

040.99 Indirect Available Phosphate		
Lab	Other	
34	46.30	0.000
Median	46.30	0.000

040.XX Indirect Available Phosphate		
Lab	Total Method	
24	46.32	-1.058
Std Dev	46.31	-1.000
34	46.30	-0.846
61	46.29	-0.705
140	46.26	-0.282

79	46.26	-0.282
79	46.24	0.000
Median	46.24	0.000
16	46.20	0.543
23	46.19	0.776
23	46.18	0.917
Std Dev	46.17	1.000
24	46.10	2.045
61	45.90	4.866

041.20 Direct Available Phosphate		
Lab	Spectrometric	
38	46.55	0.000
Median	46.55	0.000

041.50 Direct Available Phosphate		
Lab	ICP	
63	46.62	-1.340
Std Dev	46.43	-1.000
Median	45.88	0.000
Std Dev	45.34	1.000
80	45.15	1.340

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
77	46.81	-1.866
Std Dev	46.27	-1.000
137	45.64	0.000
Median	45.64	0.000
103	45.13	0.814

041.99 Direct Available Phosphate		
Lab	Other	
335	45.21	0.000
Median	45.21	0.000

041.XX Direct Available Phosphate		
Lab	Total Method	
77	46.81	-1.118
Std Dev	46.69	-1.000
63	46.62	-0.932
38	46.55	-0.869
137	45.64	0.000
Median	45.64	0.000

335	45.21	0.411
80	45.15	0.468
103	45.13	0.487

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
23	43.91	-0.842
23	43.87	-0.746
140	43.81	-0.620
82	43.80	-0.609
24	43.74	-0.472
24	43.73	-0.461
32	43.57	-0.112
16	43.55	-0.089
Median	43.51	0.000
32	43.47	0.089
79	43.15	0.765
81	43.14	0.787
79	43.12	0.829
14	43.11	0.850
14	43.11	0.850
Std Dev	43.04	1.000
61	42.71	1.696
61	42.30	2.573

048.99 Water Soluble Phosphate		
Lab	Other	
34	43.74	-1.340
Std Dev	43.24	-1.000
Median	41.76	0.000
Std Dev	40.28	1.000
335	39.78	1.340

048.XX Water Soluble Phosphate		
Lab	Total Method	
23	43.91	-0.852
23	43.87	-0.755
140	43.81	-0.627
82	43.80	-0.616
34	43.74	-0.488
24	43.74	-0.477
24	43.73	-0.466
32	43.57	-0.113
16	43.55	-0.090

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Median	43.51	0.000
32	43.47	0.090
79	43.15	0.775
81	43.14	0.796
79	43.12	0.839
14	43.11	0.860
14	43.11	0.860
Std Dev	43.04	1.000
61	42.71	1.716
61	42.30	2.604
335	39.78	7.985

050.50	%K ₂ O	Soluble Potash
Lab		ICP(Oxalate)
23	0.18	-1.340
Std Dev	0.18	-1.000
Median	0.18	0.000
Std Dev	0.17	1.000
23	0.17	1.340

050.51	%K ₂ O	Soluble Potash
Lab		ICP(Citrate)
137	0.19	0.000
Median	0.19	0.000

050.99	%K ₂ O	Soluble Potash
Lab		Other
24	0.19	-1.700
Std Dev	0.19	-1.000
24	0.19	-0.815
61	0.19	-0.815
43	0.18	0.000
Median	0.18	0.000
61	0.18	0.069
43	0.17	0.980
Std Dev	0.17	1.000
80	0.00	31.910

050.XX	%K ₂ O	Soluble Potash
Lab		Total Method
24	0.19	-1.482
137	0.19	-1.482
Std Dev	0.19	-1.000
24	0.19	-0.726

61	0.19	-0.726
43	0.18	-0.030
Median	0.18	0.000
23	0.18	0.030
61	0.18	0.030
43	0.17	0.808
Std Dev	0.17	1.000
23	0.17	1.542
80	0.00	27.245

060.00	Free Water	
Lab	Vacuum Oven	
24	1.53	-2.140
24	1.45	-1.794
Std Dev	1.27	-1.000
16	1.15	-0.475
32	1.13	-0.411
23	1.07	-0.130
32	1.05	-0.065
23	1.04	0.000
Median	1.04	0.000
140	1.00	0.151
79	0.82	0.929
79	0.82	0.929
Std Dev	0.80	1.000
61	0.76	1.189
61	0.67	1.578
34	0.40	2.745

060.99	Free Water	
Lab	Other	
14	1.23	0.000
14	1.23	0.000
Median	1.23	0.000

060.XX	Free Water	
Lab	Total Method	
24	1.53	-1.750
24	1.45	-1.459
Std Dev	1.32	-1.000
14	1.23	-0.656
14	1.23	-0.656
16	1.15	-0.346
32	1.13	-0.292

23	1.07	-0.055
32	1.05	0.000
Median	1.05	0.000
23	1.04	0.055
140	1.00	0.182
79	0.82	0.839
79	0.82	0.839
Std Dev	0.78	1.000
61	0.76	1.057
61	0.67	1.386
34	0.40	2.370

101.30	Acid Soluble Calcium	
Lab	%CaO ICP	
32	0.48	-1.876
32	0.47	-1.608
Std Dev	0.45	-1.000
61	0.44	-0.804
34	0.44	-0.670
61	0.44	-0.670
82	0.42	-0.268
16	0.42	-0.194
24	0.42	-0.134
43	0.41	-0.022
81	0.41	0.000
Median	0.41	0.000
24	0.40	0.268
43	0.39	0.502
23	0.39	0.536
23	0.38	0.804
335	0.38	0.938
Std Dev	0.37	1.000
14	0.29	3.216
14	0.29	3.216
83	0.24	4.690
84	0.23	4.824

101.XX	Acid Soluble Calcium	
Lab	%CaO Total Method	
32	0.48	-1.876
32	0.47	-1.608
Std Dev	0.45	-1.000
61	0.44	-0.804
34	0.44	-0.670

61	0.44	-0.670
82	0.42	-0.268
16	0.42	-0.194
24	0.42	-0.134
43	0.41	-0.022
81	0.41	0.000
Median	0.41	0.000
24	0.40	0.268
43	0.39	0.502
23	0.39	0.536
23	0.38	0.804
335	0.38	0.938
Std Dev	0.37	1.000
14	0.29	3.216
14	0.29	3.216
83	0.24	4.690
84	0.23	4.824

121.30	Acid Soluble Magnesium	
Lab	%MgO ICP	
335	1.38	-0.687
32	1.37	-0.618
61	1.37	-0.618
81	1.37	-0.618
32	1.36	-0.481
34	1.36	-0.481
82	1.36	-0.412
61	1.34	-0.206
23	1.33	-0.069
24	1.33	0.000
Median	1.33	0.000
24	1.32	0.069
23	1.30	0.412
16	1.29	0.460
84	1.27	0.825
43	1.26	0.893
Std Dev	1.25	1.000
83	1.25	1.099
43	1.23	1.306
14	0.77	7.628
14	0.77	7.628

121.XX	Acid Soluble Magnesium	
Lab	%MgO Total Method	
14	0.77	7.628
14	0.77	7.628

335	1.38	-0.687
32	1.37	-0.618
61	1.37	-0.618
81	1.37	-0.618
32	1.36	-0.481
34	1.36	-0.481
82	1.36	-0.412
61	1.34	-0.206
23	1.33	-0.069
24	1.33	0.000
Median	1.33	0.000
24	1.32	0.069
23	1.30	0.412
16	1.29	0.460
84	1.27	0.825
43	1.26	0.893
Std Dev	1.25	1.000
83	1.25	1.099
43	1.23	1.306
14	0.77	7.628
14	0.77	7.628

144..01 Sulfate Sulfur (S)		
Lab	Gravimetric	
241	2.30	-1.452
241	2.29	-1.340
Std Dev	2.26	-1.000
79	2.17	0.000
79	2.17	0.000
Median	2.17	0.000
Std Dev	2.08	1.000
16	0.82	15.103

144.99 Sulfate Sulfur (S)		
Lab	Other	
24	2.28	-1.483
24	2.26	-1.026
Std Dev	2.26	-1.000
23	2.25	-0.798
23	2.25	-0.798
61	2.24	-0.570
34	2.22	-0.114
Median	2.22	0.000
61	2.21	0.114

83	2.20	0.342
84	2.20	0.456
32	2.18	0.798
32	2.18	0.798
Std Dev	2.17	1.000
81	2.00	4.904

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
241	2.30	-1.723
241	2.29	-1.531
24	2.28	-1.340
Std Dev	2.26	-1.000
24	2.26	-0.957
23	2.25	-0.766
23	2.25	-0.766
61	2.24	-0.574
34	2.22	-0.191
61	2.21	0.000
Median	2.21	0.000
83	2.20	0.191
84	2.20	0.287
32	2.18	0.574
32	2.18	0.574
79	2.17	0.766
79	2.17	0.766
Std Dev	2.16	1.000
81	2.00	4.020
16	0.82	26.656

145.99 Total Sulfur (S)		
Lab	Other	
82	2.28	-1.619
Std Dev	2.22	-1.000
43	2.18	-0.504
Median	2.13	0.000
43	2.08	0.504
335	2.06	0.716

145.XX Total Sulfur (S)		
Lab	Total Method	
82	2.28	-1.619
Std Dev	2.22	-1.000
43	2.18	-0.504

Median	2.13	0.000
43	2.08	0.504
335	2.06	0.716

151.30 Total Arsenic		
Lab	ICP	
84	9.55	-1.200
83	9.35	-1.142
Std Dev	8.85	-1.000
81	8.50	-0.898
140	5.40	-0.007
Median	5.38	0.000
43	5.35	0.007
43	4.55	0.237
82	2.55	0.812
Std Dev	1.90	1.000
335	1.06	1.240

151.XX Total Arsenic		
Lab	Total Method	
84	9.55	-1.200
83	9.35	-1.142
Std Dev	8.85	-1.000
81	8.50	-0.898
140	5.40	-0.007
Median	5.38	0.000
43	5.35	0.007
43	4.55	0.237
82	2.55	0.812
Std Dev	1.90	1.000
335	1.06	1.240

181.30 Total Cadmium		
Lab	PPM	ICP
81	36.00	-2.839
Std Dev	32.91	-1.000
61	32.00	-0.461
61	32.00	-0.461
84	32.00	-0.461
83	31.50	-0.164
Median	31.23	0.000
82	30.95	0.164
16	29.77	0.868
43	29.74	0.883

43	29.56	0.993
Std Dev	29.54	1.000
335	24.75	3.850

181.XX Total Cadmium		
Lab	PPM	Total Method
81	36.00	-2.839
Std Dev	32.91	-1.000
61	32.00	-0.461
61	32.00	-0.461
84	32.00	-0.461
83	31.50	-0.164
Median	31.23	0.000
82	30.95	0.164
16	29.77	0.868
43	29.74	0.883
43	29.56	0.993
Std Dev	29.54	1.000
335	24.75	3.850

190.00 Aluminum		
Lab	%Al ₂ O ₃	ICP
83	0.61	-2.962
84	0.61	-2.962
81	0.60	-2.398
16	0.58	-1.484
Std Dev	0.58	-1.000
82	0.58	-0.987
34	0.57	-0.705
14	0.56	-0.141
14	0.56	-0.141
24	0.56	-0.141
Median	0.56	0.000
23	0.56	0.141
24	0.56	0.141
43	0.56	0.141
32	0.55	0.423
32	0.55	0.423
61	0.55	0.423
43	0.55	0.705
23	0.54	0.987
61	0.54	0.987

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190.XX		
Lab	%Al ₂ O ₃	Aluminum Total Method
83	0.61	-2.962
84	0.61	-2.962
81	0.60	-2.398
16	0.58	-1.484
Std Dev	0.58	-1.000
82	0.58	-0.987
34	0.57	-0.705
14	0.56	-0.141
14	0.56	-0.141
24	0.56	-0.141
Median	0.56	0.000
23	0.56	0.141
24	0.56	0.141
43	0.56	0.141
32	0.55	0.423
32	0.55	0.423
61	0.55	0.423
43	0.55	0.705
23	0.54	0.987
61	0.54	0.987

191.30		
Lab	PPM	Total Chromium ICP
81	253.00	-5.054
Std Dev	213.29	-1.000
83	207.00	-0.357
84	207.00	-0.357
61	204.00	-0.051
61	204.00	-0.051
Median	203.50	0.000
82	203.00	0.051
16	198.00	0.562
Std Dev	193.71	1.000
43	191.50	1.225
43	189.50	1.429
335	186.47	1.739

191.XX		
Lab	PPM	Total Chromium Total Method
81	253.00	-5.054
Std Dev	213.29	-1.000
83	207.00	-0.357

84	207.00	-0.357
61	204.00	-0.051
61	204.00	-0.051
Median	203.50	0.000
82	203.00	0.051
16	198.00	0.562
Std Dev	193.71	1.000
43	191.50	1.225
43	189.50	1.429
335	186.47	1.739

202.30		
Lab	PPM	Acid Soluble Cobalt ICP

202.XX		
Lab	PPM	Acid Soluble Cobalt Total Method
61	<1	0.000
61	<1	0.000
81	2.40	-0.940
82	2.35	-0.872
43	2.00	-0.389
16	1.94	-0.300
Median	1.72	0.000
43	1.50	0.300
335	1.42	0.410
Std Dev	0.99	1.000
83	0.20	2.091
84	0.15	2.160

221.30		
Lab	PPM	Acid Soluble Copper ICP
61	7.00	-3.116
Std Dev	3.84	-1.000
61	3.00	-0.436
81	3.00	-0.436
82	2.80	-0.302
83	2.35	0.000
Median	2.35	0.000
84	2.30	0.034
43	1.00	0.905
43	1.00	0.905
Std Dev	0.86	1.000
16	0.63	1.151

221.XX		
Lab	PPM	Acid Soluble Copper Total Method
61	7.00	-3.116
Std Dev	3.84	-1.000
61	3.00	-0.436
81	3.00	-0.436
82	2.80	-0.302
83	2.35	0.000
Median	2.35	0.000
84	2.30	0.034
43	1.00	0.905
43	1.00	0.905
Std Dev	0.86	1.000
16	0.63	1.151

241.30		
Lab	%Fe ₂ O ₃	Acid Soluble Iron ICP
81	0.78	-3.350
61	0.76	-1.675
82	0.76	-1.675
84	0.75	-1.005
Std Dev	0.74	-1.000
32	0.74	-0.670
61	0.74	-0.670
83	0.74	-0.670
24	0.74	-0.335
23	0.73	0.000
24	0.73	0.000
34	0.73	0.000
Median	0.73	0.000
43	0.73	0.335
14	0.72	0.670
14	0.72	0.670
32	0.72	0.670
16	0.72	0.797
Std Dev	0.72	1.000
23	0.71	1.340
43	0.71	1.675

241.XX		
Lab	%Fe ₂ O ₃	Acid Soluble Iron Total Method
81	0.78	-3.350
61	0.76	-1.675
82	0.76	-1.675

84	0.75	-1.005
Std Dev	0.74	-1.000
32	0.74	-0.670
61	0.74	-0.670
83	0.74	-0.670
24	0.74	-0.335
23	0.73	0.000
24	0.73	0.000
34	0.73	0.000
Median	0.73	0.000
43	0.73	0.335
14	0.72	0.670
14	0.72	0.670
32	0.72	0.670
16	0.72	0.797
Std Dev	0.72	1.000
23	0.71	1.340
43	0.71	1.675

251.30		
Lab	PPM	Total Lead ICP
61	<1	0.000
61	<1	0.000
16	5.38	-5.678
81	2.00	-1.194
Std Dev	1.85	-1.000
43	1.25	-0.199
43	1.20	-0.133
Median	1.10	0.000
82	1.00	0.133
83	0.43	0.889
335	0.42	0.902
84	0.40	0.929

251.XX		
Lab	PPM	Total Lead Total Method
61	<1	0.000
61	<1	0.000
16	5.38	-5.678
81	2.00	-1.194
Std Dev	1.85	-1.000
43	1.25	-0.199
43	1.20	-0.133
Median	1.10	0.000

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82	1.00	0.133
83	0.43	0.889
335	0.42	0.902
84	0.40	0.929

261.30 Acid Soluble Manganese		
Lab	ICP	
84	376.00	-2.638
83	375.50	-2.633
Std Dev	219.81	-1.000
81	125.00	-0.006
16	124.47	0.000
Median	124.47	0.000
61	122.50	0.021
61	122.50	0.021
82	116.50	0.084

261.99 Acid Soluble Manganese		
Lab	PPM	Other
43	133.00	-1.340
Std Dev	132.56	-1.000
Median	131.25	0.000
Std Dev	129.94	1.000
43	129.50	1.340

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
84	376.00	-32.032
83	375.50	-31.969
43	133.00	-1.021
Std Dev	132.84	-1.000
43	129.50	-0.574
81	125.00	0.000
Median	125.00	0.000
16	124.47	0.068
61	122.50	0.319
61	122.50	0.319
Std Dev	117.16	1.000
82	116.50	1.085

271.30 Water Soluble Manganese		
Lab	ICP	
84	128.90	-1.340
Std Dev	128.79	-1.000

Median	128.45	0.000
Std Dev	128.11	1.000
83	128.00	1.340

271.XX Water Soluble Manganese		
Lab	PPM	Total Method
84	128.90	-1.340
Std Dev	128.79	-1.000
Median	128.45	0.000
Std Dev	128.11	1.000
83	128.00	1.340

281.00 Total Mercury		
Lab	PPM	Atomic Absorbtion
81	1.00	0.000
Median	1.00	0.000

281.30 Total Mercury		
Lab	PPM	ICP
335	0.01	0.000
Median	0.01	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
81	1.00	-1.340
Std Dev	0.87	-1.000
Median	0.51	0.000
Std Dev	0.14	1.000
335	0.01	1.340

289.30 Total Molybdenum		
Lab	PPM	ICP

289.XX Total Molybdenum		
Lab	PPM	Total Method
16	8.53	-0.846
61	8.00	-0.698
61	8.00	-0.698
81	5.50	0.000
Median	5.50	0.000
82	3.50	0.558
43	2.90	0.726
43	2.85	0.740

291.30 Total Nickel	
Lab	ICP

291.XX Total Nickel		
Lab	PPM	Total Method
81	9.50	-0.842
16	9.40	-0.796
43	9.00	-0.609
43	8.50	-0.376
82	8.25	-0.260
Median	7.69	0.000
335	7.14	0.260
61	6.00	0.789
61	6.00	0.789
Std Dev	5.55	1.000
84	3.25	2.071
83	3.00	2.187

301.30 Total Selenium		
Lab	PPM	ICP
84	1.60	-1.340
Std Dev	1.40	-1.000
Median	0.81	0.000
Std Dev	0.22	1.000
335	0.02	1.340

301.XX Total Selenium		
Lab	PPM	Total Mthod
84	1.60	-1.340
Std Dev	1.40	-1.000
Median	0.81	0.000
Std Dev	0.22	1.000
335	0.02	1.340

311.99 Sodium		
Lab	%Na ₂ O	Other
23	0.27	-1.231
Std Dev	0.26	-1.000
23	0.26	-0.739
82	0.26	-0.739
84	0.26	-0.739
83	0.25	-0.492
61	0.25	-0.246
Median	0.24	0.000

24	0.24	0.246
61	0.24	0.246
24	0.23	0.492
43	0.22	0.929
81	0.22	0.985
43	0.22	0.988

311.XX Sodium		
Lab	%Na ₂ O	Total Method
23	0.27	-1.231
Std Dev	0.26	-1.000
23	0.26	-0.739
82	0.26	-0.739
84	0.26	-0.739
83	0.25	-0.492
61	0.25	-0.246
Median	0.24	0.000
24	0.24	0.246
61	0.24	0.246
24	0.23	0.492
43	0.22	0.929
81	0.22	0.985
43	0.22	0.988

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
81	465.00	-3.216
16	432.00	-1.251
61	429.50	-1.102
Std Dev	427.79	-1.000
61	427.50	-0.983
84	411.00	0.000
Median	411.00	0.000
83	410.50	0.030
43	407.00	0.238
82	401.00	0.596
Std Dev	394.21	1.000
43	388.00	1.370

321.XX Acid Soluble Zinc		
Lab	PPM	Total Method
81	465.00	-3.216
16	432.00	-1.251
61	429.50	-1.102

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Std Dev	427.79	-1.000	61	1.78	-0.315
61	427.50	-0.983	32	1.77	-0.270
84	411.00	0.000	24	1.76	-0.135
Median	411.00	0.000	34	1.75	-0.090
83	410.50	0.030	16	1.74	0.000
43	407.00	0.238	23	1.74	0.000
82	401.00	0.596	Median	1.74	0.000
Std Dev	394.21	1.000	24	1.72	0.180
43	388.00	1.370	61	1.72	0.180
			23	1.71	0.270

325.10		Fluoride
Lab	%	Electrode
81	1.80	-0.600
32	1.78	-0.400
32	1.77	-0.300
24	1.76	-0.150
34	1.75	-0.100
16	1.74	0.000
23	1.74	0.000
Median	1.74	0.000
24	1.72	0.200
23	1.71	0.300
14	1.62	1.190
14	1.62	1.190
83	0.59	11.500
84	0.58	11.600

275	1.55	1.709
83	0.59	10.342
84	0.58	10.432

325.30		Fluoride
Lab	%	Distilled/Electrode
82	1.80	0.000
Median	1.80	0.000

325.99		Fluoride
Lab	%	Other
61	1.78	-0.655
61	1.72	0.000
Median	1.72	0.000
275	1.55	2.025

325.XX		Fluoride
Lab	%	Total Method
81	1.80	-0.540
82	1.80	-0.495
32	1.78	-0.360