

## AFPC

Sample

2023-08

Grade

11-52-0

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
<b>AMMONIACAL NITROGEN</b>					
Ammoniacal Nitrogen, Other		001.99	13	11.89	0.10
Method Group 001.XX PCT			13	11.89	0.12
<b>TOTAL NITROGEN</b>					
Total Nitrogen, Reduced Iron		010.10	1	11.88	0.00
Total Nitrogen, Combustion	993.13	010.60	10	11.91	0.04
Method Group 010.XX PCT			11	11.90	0.05
<b>TOTAL PHOSPHATE</b>					
Total Phosphate, Gravimetric Quimociac		020.10	5	51.84	0.07
Total Phosphate, Spectrometric	978.02	020.20	17	51.94	0.30
Total Phosphate, ICP	970.03	020.40	2	52.24	0.07
Method Group 020.XX PCT			24	51.93	0.32
<b>INSOLUBLE PHOSPHATE</b>					
Insoluble Phosphate, Gravimetric Quimociac	963.03C(a)	030.10	2	0.09	0.01
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.05	0.03
Insoluble Phosphate, Automated	978.01	030.40	2	0.03	0.00
Method Group 030.XX PCT			13	0.05	0.05
<b>INDIRECT AVAILABLE PHOSPHATE</b>					
Indirect Available Phosphate, Gravimetric Quimociac	960.02	040.10	2	51.80	0.06
Indirect Available Phosphate, Spectrometric	960.02	040.20	12	51.87	0.37
Indirect Available Phosphate, Other		040.99	1	51.73	0.00
Method Group 040.XX PCT			15	51.86	0.41
<b>DIRECT AVAILABLE PHOSPHATE</b>					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	2	51.89	0.01
Direct Available Phosphate, Automated	978.01	041.40	1	48.70	0.00
Direct Available Phosphate, ICP		041.50	2	51.56	0.38
Direct Available Phosphate, EDTA Extract	993.01	041.60	1	52.24	0.00
Method Group 041.XX PCT			6	51.89	0.70
<b>WATER SOLUBLE PHOSPHATE</b>					
Water Soluble Phosphate, Gravimetric Quimociac	962.03	048.10	2	48.65	0.13
Water Soluble Phosphate, Spectrometric	970.01	048.20	14	48.37	0.50
Water Soluble Phosphate, Other		048.99	1	47.92	0.00
Method Group 048.XX PCT			17	48.44	0.55
<b>SOLUBLE POTASH AS K<sub>2</sub>O</b>					
Soluble Potash, ICP(Oxalate)		050.50	2	0.20	0.00
Soluble Potash, Other		050.99	6	0.20	0.01
Method Group 050.XX PCT			8	0.20	0.00
<b>FREE WATER</b>					
Free Water, Vacuum Oven	965.08B	060.00	15	1.61	0.34
Free Water, Other		060.99	2	1.80	0.00
Method Group 060.XX PCT			17	1.72	0.40
<b>ACID SOLUBLE CALCIUM AS CaO</b>					
Acid Soluble Calcium, ICP		101.30	14	0.30	0.03
Method Group 101.XX PCT			14	0.30	0.04
<b>ACID SOLUBLE MAGNESIUM AS MgO</b>					
Acid Soluble Magnesium, ICP		121.30	14	2.24	0.09
Method Group 121.XX PCT			14	2.24	0.11
<b>SULFATE SULFUR (S)</b>					
Sulfur, Gravimetric	980.02(a)	144.01	7	2.10	0.07
Sulfur, Spectrometric		144.70	1	2.03	0.00
Sulfur, Other		144.99	10	2.06	0.07
Method Group 144.XX PCT			18	2.08	0.09
<b>TOTAL SULFUR (S)</b>					

Sulfur, Other	145.99	2	2.15	0.0	
Method Group 145.XX PCT		2	2.15	0.0	
<b>TOTAL ARSENIC</b>					
Total Arsenic, ICP	980.02(b)	151.02	4	2.5	0.4
Method Group 151.XX PPM			4	2.5	0.5
<b>TOTAL CADMIUM</b>					
Total Cadmium, ICP	181.30	6	48.9	5.6	
Method Group 181.XX PPM		6	48.9	6.8	
<b>ALUMINUM AS Al<sub>2</sub>O<sub>3</sub></b>					
ICP, %		14	0.63	0.01	
Method Group 190.XX PCT		14	0.63	0.01	
<b>TOTAL CHROMIUM</b>					
Total Chromium, ICP	191.30	6	232	12.3	
Method Group 191.XX PPM		6	232	15.0	
<b>ACID SOLUBLE COBALT</b>					
Acid Soluble Cobalt, ICP	202.30	6	3	0.1	
Method Group 202.XX PPM		6	3	0.1	
<b>ACID SOLUBLE COPPER</b>					
Method Group 221.XX PPM		4	5.6	3.3	
<b>ACID SOLUBLE IRON AS Fe<sub>2</sub>O<sub>3</sub></b>					
Acid Soluble Iron, ICP	241.30	14	1.41	0.06	
Method Group 241.XX PCT		14	1.41	0.07	
<b>TOTAL LEAD</b>					
Total Lead, ICP	251.30	5	1.8	0.1	
Method Group 251.XX PPM		5	1.8	0.1	
<b>ACID SOLUBLE MANGANESE</b>					
Acid Soluble Manganese, ICP	972.02a	261.30	4	229	4.2
Method Group 261.XX PPM			4	229	5.2
<b>TOTAL MERCURY</b>					
Total Mercury, Atomic Absorbtion	281.00	1		0.00	
Method Group 281.XX PPM		1	0.00	0.00	
<b>TOTAL MOLYBDENUM</b>					
Total Molybdenum, ICP	289.30	4	10	4.3	
Method Group 289.XX PPM		4	10	5.3	
<b>TOTAL NICKEL</b>					
Total Nickel, ICP	291.30	6	38.1	4.4	
Method Group 291.XX PPM		6	38.1	5.4	
<b>TOTAL SELENIUM</b>					
Total Selenium, ICP	301.30	2	0.5	0.0	
Method Group 301.XX PPM		2	0.5	0.0	
<b>SODIUM AS Na<sub>2</sub>O</b>					
Sodium, Other	311.99	8	0.23	0.00	
Method Group 311.XX PCT		8	0.23	0.01	
<b>ACID SOLUBLE ZINC</b>					
Acid Soluble Zinc, ICP	321.30	6	695.5	43.7	
Method Group 321.XX %		6	695.5	53.2	
<b>FLUORIDE</b>					
Volumetric	325.10	12	0.56	0.01	
Distilled/Electrode	325.99	2	0.58	0.01	
Method Group 325.XX PCT		14	0.56	0.02	

001.99 Ammoniacal Nitrogen		
Lab		Other
23	12.00	-1.092
Std Dev	11.99	-1.000
61	11.98	-0.844
32	11.97	-0.794
61	11.94	-0.496
24	11.90	-0.050
32	11.90	-0.050
23	11.89	0.000
Median	11.89	0.000
24	11.87	0.199
81	11.86	0.298
34	11.81	0.844
Std Dev	11.79	1.000
113	11.79	1.017
79	11.47	4.169
79	11.46	4.268

001.XX Ammoniacal Nitrogen		
Lab		Total Method
23	12.00	-1.092
Std Dev	11.99	-1.000
61	11.98	-0.844
32	11.97	-0.794
61	11.94	-0.496
24	11.90	-0.050
32	11.90	-0.050
23	11.89	0.000
Median	11.89	0.000
24	11.87	0.199
81	11.86	0.298
34	11.81	0.844
Std Dev	11.79	1.000
113	11.79	1.017
79	11.47	4.169
79	11.46	4.268

010.10 Total Nitrogen		
Lab		Reduced Iron
55	11.88	0.000
Median	11.88	0.000

010.60 Total Nitrogen		
Lab		Combustion
80	12.20	-6.772
Std Dev	11.95	-1.000
140	11.95	-0.868
14	11.93	-0.405
14	11.93	-0.405
113	11.92	-0.289
Median	11.91	0.000
103	11.90	0.289
39	11.89	0.440
Std Dev	11.86	1.000
113	11.86	1.100
63	11.84	1.679
110	11.34	13.082

010.XX Total Nitrogen		
Lab		Total Method
80	12.20	-7.108
140	11.95	-1.165
Std Dev	11.94	-1.000
14	11.93	-0.699
14	11.93	-0.699
113	11.92	-0.583
103	11.90	0.000
Median	11.90	0.000
39	11.89	0.151
55	11.88	0.466
113	11.86	0.816
Std Dev	11.85	1.000
63	11.84	1.398
110	11.34	12.876

020.10 Total Phosphate		
Lab		Gravimetric Quimociac
113	51.97	-1.834
82	51.92	-1.058
Std Dev	51.91	-1.000
241	51.84	0.000
Median	51.84	0.000
241	51.82	0.282
113	51.81	0.423

020.20 Total Phosphate		
Lab		Spectrometric
24	52.32	-1.241
79	52.31	-1.224
61	52.30	-1.191
Std Dev	52.24	-1.000
79	52.24	-0.993
61	52.18	-0.778
81	52.11	-0.562
55	52.02	-0.248
23	51.97	-0.083
23	51.94	0.000
Median	51.94	0.000
14	51.82	0.414
14	51.82	0.414
16	51.78	0.546
34	51.77	0.562
32	51.76	0.612
32	51.74	0.662
24	51.72	0.744
140	51.69	0.827

020.40 Total Phosphate		
Lab		Automated
16	52.34	-1.340
Std Dev	52.31	-1.000
Median	52.24	0.000
Std Dev	52.16	1.000
110	52.14	1.340

020.XX Total Phosphate		
Lab		Total Method
16	52.34	-1.571
24	52.32	-1.494
79	52.31	-1.475
61	52.30	-1.436
79	52.24	-1.205
Std Dev	52.19	-1.000
61	52.18	-0.954
110	52.14	-0.819
81	52.11	-0.704
55	52.02	-0.337
113	51.97	-0.164
23	51.97	-0.145

23	51.94	-0.048
Median	51.93	0.000
82	51.92	0.048
241	51.84	0.337
241	51.82	0.415
14	51.82	0.434
14	51.82	0.434
113	51.81	0.453
16	51.78	0.588
34	51.77	0.607
32	51.76	0.665
32	51.74	0.723
24	51.72	0.819
140	51.69	0.916

030.10 Insoluble Phosphate		
Lab		Gravimetric Quimociac
113	0.10	-1.340
Std Dev	0.09	-1.000
Median	0.09	0.000
Std Dev	0.08	1.000
113	0.08	1.340

030.20 Insoluble Phosphate		
Lab		Spectrometric
23	0.09	-1.531
23	0.09	-1.340
Std Dev	0.08	-1.000
140	0.07	-0.574
24	0.05	0.000
24	0.05	0.000
Median	0.05	0.000
61	0.04	0.383
32	0.03	0.766
61	0.03	0.766
Std Dev	0.02	1.000
32	0.01	1.531

030.40 Insoluble Phosphate		
Lab		Automated
34	0.04	-1.340
Std Dev	0.04	-1.000
Median	0.03	0.000
Std Dev	0.03	1.000

16	0.03	1.340
<b>030.XX Insoluble Phosphate</b>		
Lab	Total Method	
113	0.10	-1.206
23	0.09	-1.072
<b>Std Dev</b>	<b>0.09</b>	<b>-1.000</b>
23	0.09	-0.938
113	0.08	-0.804
140	0.07	-0.402
24	0.05	0.000
24	0.05	0.000
<b>Median</b>	<b>0.05</b>	<b>0.000</b>
34	0.04	0.268
61	0.04	0.268
32	0.03	0.536
61	0.03	0.536
16	0.03	0.603
<b>Std Dev</b>	<b>0.01</b>	<b>1.000</b>
32	0.01	1.072

<b>040.10 Indirect Available Phosphate</b>		
Lab	Gravimetric Quimociac	
113	51.88	-1.340
<b>Std Dev</b>	<b>51.86</b>	<b>-1.000</b>
<b>Median</b>	<b>51.80</b>	<b>0.000</b>
<b>Std Dev</b>	<b>51.74</b>	<b>1.000</b>
113	51.72	1.340

<b>040.20 Indirect Available Phosphate</b>		
Lab	Spectrometric	
79	52.31	-1.205
61	52.27	-1.096
24	52.27	-1.083
<b>Std Dev</b>	<b>52.23</b>	<b>-1.000</b>
79	52.22	-0.961
61	52.13	-0.704
23	51.88	-0.027
<b>Median</b>	<b>51.87</b>	<b>0.000</b>
23	51.86	0.027
16	51.75	0.325
32	51.75	0.325
32	51.71	0.420
24	51.67	0.541

<b>040.99 Indirect Available Phosphate</b>		
Lab	Other	
34	51.73	0.000
<b>Median</b>	<b>51.73</b>	<b>0.000</b>

<b>040.XX Indirect Available Phosphate</b>		
Lab	Total Method	
79	52.31	-1.362
61	52.27	-1.243
24	52.27	-1.228
79	52.22	-1.093
<b>Std Dev</b>	<b>52.19</b>	<b>-1.000</b>
61	52.13	-0.808
113	51.88	-0.075
23	51.88	-0.060
23	51.86	0.000
<b>Median</b>	<b>51.86</b>	<b>0.000</b>
16	51.75	0.329
32	51.75	0.329
34	51.73	0.374
113	51.72	0.404
32	51.71	0.434
24	51.67	0.569
140	51.63	0.689

<b>041.10 Direct Available Phosphate</b>		
Lab	Gravimetric Quimociac	
79	51.90	-1.340
<b>Std Dev</b>	<b>51.90</b>	<b>-1.000</b>
<b>Median</b>	<b>51.89</b>	<b>0.000</b>
<b>Std Dev</b>	<b>51.88</b>	<b>1.000</b>
79	51.88	1.340

<b>041.40 Direct Available Phosphate</b>		
Lab	Automated	
39	48.70	0.000
<b>Median</b>	<b>48.70</b>	<b>0.000</b>

<b>041.50 Direct Available Phosphate</b>		
Lab	ICP	
63	52.08	-1.340
<b>Std Dev</b>	<b>51.94</b>	<b>-1.000</b>

<b>Median</b>	<b>51.56</b>	<b>0.000</b>
<b>Std Dev</b>	<b>51.18</b>	<b>1.000</b>
80	51.05	1.340

<b>041.60 Direct Available Phosphate</b>		
Lab	EDTA Extract	
103	52.24	0.000
<b>Median</b>	<b>52.24</b>	<b>0.000</b>

<b>041.XX Direct Available Phosphate</b>		
Lab	Total Method	
103	52.24	-0.606
63	52.08	-0.320
79	51.90	-0.017
<b>Median</b>	<b>51.89</b>	<b>0.000</b>
79	51.88	0.017
<b>Std Dev</b>	<b>51.31</b>	<b>1.000</b>
80	51.05	1.455
39	48.70	5.525

<b>048.10 Water Soluble Phosphate</b>		
Lab	Gravimetric Quimociac	
82	48.83	-1.340
<b>Std Dev</b>	<b>48.78</b>	<b>-1.000</b>
<b>Median</b>	<b>48.65</b>	<b>0.000</b>
<b>Std Dev</b>	<b>48.52</b>	<b>1.000</b>
113	48.48	1.340

<b>048.20 Water Soluble Phosphate</b>		
Lab	Spectrometric	
140	48.74	-0.725
61	48.70	-0.655
61	48.67	-0.596
24	48.52	-0.298
24	48.52	-0.298
23	48.50	-0.248
23	48.44	-0.139
<b>Median</b>	<b>48.37</b>	<b>0.000</b>
79	48.30	0.139
79	48.16	0.417
16	47.92	0.893
<b>Std Dev</b>	<b>47.87</b>	<b>1.000</b>
32	47.82	1.092
81	47.53	1.677

32	47.42	1.886
16	46.52	3.680

<b>048.99 Water Soluble Phosphate</b>		
Lab	Other	
34	47.92	0.000
<b>Median</b>	<b>47.92</b>	<b>0.000</b>

<b>048.XX Water Soluble Phosphate</b>		
Lab	Total Method	
82	48.83	-0.871
140	48.74	-0.659
61	48.70	-0.581
61	48.67	-0.514
24	48.52	-0.179
24	48.52	-0.179
23	48.50	-0.123
113	48.48	-0.078
23	48.44	0.000
<b>Median</b>	<b>48.44</b>	<b>0.000</b>
79	48.30	0.313
79	48.16	0.625
<b>Std Dev</b>	<b>47.99</b>	<b>1.000</b>
16	47.92	1.161
34	47.92	1.161
32	47.82	1.385
81	47.53	2.043
32	47.42	2.278
16	46.52	4.296

<b>050.50 %K<sub>2</sub>O Soluble Potash</b>		
Lab	ICP(Oxalate)	
23	0.20	0.000
23	0.20	0.000
<b>Median</b>	<b>0.20</b>	<b>0.000</b>

<b>050.99 Soluble Potash</b>		
Lab	%K <sub>2</sub> O	Other
80	0.25	-5.956
<b>Std Dev</b>	<b>0.21</b>	<b>-1.000</b>
24	0.21	-0.596
24	0.20	0.000
81	0.20	0.000
<b>Median</b>	<b>0.20</b>	<b>0.000</b>

Std Dev	0.19	1.000
61	0.19	1.191
61	0.19	1.191

050.XX		Soluble Potash
Lab	%K <sub>2</sub> O	Total Method
80	0.25	-17.867
24	0.21	-1.787
Std Dev	0.20	-1.000
23	0.20	0.000
23	0.20	0.000
24	0.20	0.000
81	0.20	0.000
Median	0.20	0.000
Std Dev	0.20	1.000
61	0.19	3.573
61	0.19	3.573

060.00		Free Water
Lab	Vacuum Oven	
24	2.06	-1.325
Std Dev	1.95	-1.000
16	1.94	-0.972
55	1.91	-0.869
140	1.80	-0.545
32	1.76	-0.442
24	1.74	-0.383
113	1.72	-0.324
34	1.61	0.000
Median	1.61	0.000
32	1.53	0.236
79	1.41	0.589
23	1.36	0.751
23	1.29	0.942
79	1.29	0.942
Std Dev	1.27	1.000
61	1.09	1.531
61	1.02	1.738

060.99		Free Water
Lab	Other	
14	1.80	0.000
14	1.80	0.000
Median	1.80	0.000

060.XX		Free Water
Lab	Total Method	
24	2.06	-1.035
Std Dev	2.05	-1.000
16	1.94	-0.670
55	1.91	-0.563
14	1.80	-0.228
14	1.80	-0.228
140	1.80	-0.228
32	1.76	-0.122
24	1.74	-0.061
113	1.72	0.000
Median	1.72	0.000
34	1.61	0.335
32	1.53	0.579
79	1.41	0.944
Std Dev	1.39	1.000
23	1.36	1.112
23	1.29	1.310
79	1.29	1.310
61	1.09	1.919
61	1.02	2.132

101.30			Acid Soluble Calcium
Lab	%CaO	ICP	
61	0.39	-2.759	
Std Dev	0.33	-1.000	
24	0.33	-0.867	
23	0.32	-0.552	
24	0.32	-0.552	
34	0.32	-0.552	
32	0.31	-0.236	
61	0.31	-0.079	
Median	0.30	0.000	
23	0.30	0.079	
32	0.30	0.079	
82	0.30	0.079	
Std Dev	0.27	1.000	
81	0.27	1.025	
14	0.27	1.182	
14	0.27	1.182	
16	0.25	1.608	

101.XX		Acid Soluble Calcium
Lab	%CaO	Total Method
61	0.39	-2.759
Std Dev	0.33	-1.000
24	0.33	-0.867
23	0.32	-0.552
24	0.32	-0.552
34	0.32	-0.552
32	0.31	-0.236
61	0.31	-0.079
Median	0.30	0.000
23	0.30	0.079
32	0.30	0.079
82	0.30	0.079
Std Dev	0.27	1.000
81	0.27	1.025
14	0.27	1.182
14	0.27	1.182
16	0.25	1.608

121.30		Acid Soluble Magnesium
Lab	%MgO	ICP
34	2.33	-1.023
Std Dev	2.33	-1.000
32	2.31	-0.802
61	2.30	-0.691
16	2.29	-0.597
32	2.28	-0.470
82	2.25	-0.138
81	2.24	-0.028
Median	2.24	0.000
24	2.24	0.028
24	2.22	0.249
23	2.21	0.360
61	2.16	0.913
Std Dev	2.15	1.000
23	2.14	1.134
14	2.12	1.300
14	2.12	1.300

121.XX		Acid Soluble Magnesium
Lab	%MgO	Total Method
34	2.33	-1.023
Std Dev	2.33	-1.000

32	2.31	-0.802
61	2.30	-0.691
16	2.29	-0.597
32	2.28	-0.470
82	2.25	-0.138
81	2.24	-0.028
Median	2.24	0.000
24	2.24	0.028
24	2.22	0.249
23	2.21	0.360
61	2.16	0.913
Std Dev	2.15	1.000
23	2.14	1.134
14	2.12	1.300
14	2.12	1.300

144..01		Sulfate Sulfur (S)
Lab	Gravimetric	
16	2.21	-1.587
Std Dev	2.17	-1.000
113	2.13	-0.449
241	2.12	-0.225
241	2.10	0.000
Median	2.10	0.000
113	2.08	0.359
Std Dev	2.03	1.000
79	1.99	1.647
79	1.88	3.294

144.70		Sulfur
Lab	Spectrometric	
16	2.03	0.000
Median	2.03	0.000

144.99		Sulfate Sulfur (S)
Lab	Other	
81	2.11	-0.688
24	2.11	-0.616
32	2.11	-0.616
32	2.10	-0.543
34	2.08	-0.254
Median	2.06	0.000
24	2.05	0.254
23	2.04	0.326

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23	2.00	0.881
61	2.00	0.905
61	2.00	0.905

144.XX Sulfate Sulfur (S)		
Lab	Total Method	
16	2.21	-1.782
Std Dev	2.15	-1.000
113	2.13	-0.724
241	2.12	-0.515
81	2.11	-0.446
24	2.11	-0.376
32	2.11	-0.376
32	2.10	-0.306
241	2.10	-0.306
34	2.08	-0.028
Median	2.08	0.000
113	2.08	0.028
24	2.05	0.459
23	2.04	0.529
16	2.03	0.668
Std Dev	2.01	1.000
23	2.00	1.063
61	2.00	1.086
61	2.00	1.086
79	1.99	1.225
79	1.88	2.757

145.99 Total Sulfur (S)		
Lab	Other	
113	2.18	-1.340
Std Dev	2.17	-1.000
Median	2.15	0.000
Std Dev	2.13	1.000
113	2.13	1.340

145.XX Total Sulfur (S)		
Lab	Total Method	
113	2.18	-1.340
Std Dev	2.17	-1.000
Median	2.15	0.000
Std Dev	2.13	1.000
113	2.13	1.340

151.30 Total Arsenic		
Lab	ICP	
113	3.00	-1.357
Std Dev	2.85	-1.000
113	2.67	-0.523
Median	2.46	0.000
81	2.25	0.523
140	2.12	0.864

151.XX Total Arsenic		
Lab	Total Method	
113	3.00	-1.357
Std Dev	2.85	-1.000
113	2.67	-0.523
Median	2.46	0.000
81	2.25	0.523
140	2.12	0.864

181.30 Total Cadmium		
Lab	PPM	ICP
61	56.00	-1.273
Std Dev	54.48	-1.000
82	51.30	-0.427
81	51.00	-0.373
Median	48.93	0.000
113	46.85	0.373
Std Dev	43.37	1.000
113	42.75	1.111
16	0.08	8.786

181.XX Total Cadmium		
Lab	PPM	Total Method
61	56.00	-1.273
Std Dev	54.48	-1.000
82	51.30	-0.427
81	51.00	-0.373
Median	48.93	0.000
113	46.85	0.373
Std Dev	43.37	1.000
113	42.75	1.111
16	0.08	8.786

190.00 Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP

16	0.67	-4.288
23	0.66	-3.411
23	0.66	-3.411
Std Dev	0.64	-1.000
14	0.63	-0.487
14	0.63	-0.487
32	0.63	0.000
32	0.63	0.000
34	0.63	0.000
Median	0.63	0.000
81	0.62	0.487
82	0.62	0.487
24	0.62	0.975
Std Dev	0.61	1.000
24	0.61	1.462
61	0.61	1.462
61	0.61	1.949

190.XX Aluminum		
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method
16	0.67	-4.288
23	0.66	-3.411
23	0.66	-3.411
Std Dev	0.64	-1.000
14	0.63	-0.487
14	0.63	-0.487
32	0.63	0.000
32	0.63	0.000
34	0.63	0.000
Median	0.63	0.000
81	0.62	0.487
82	0.62	0.487
24	0.62	0.975
Std Dev	0.61	1.000
24	0.61	1.462
61	0.61	1.462
61	0.61	1.949

191.30 Total Chromium		
Lab	ICP	
61	264.00	-2.567
Std Dev	244.67	-1.000
81	242.00	-0.784
16	236.90	-0.371

Median	232.33	0.000
82	227.75	0.371
113	223.00	0.756
Std Dev	219.98	1.000
113	216.00	1.323

191.XX Total Chromium		
Lab	PPM	Total Method
61	264.00	-2.567
Std Dev	244.67	-1.000
81	242.00	-0.784
16	236.90	-0.371
Median	232.33	0.000
82	227.75	0.371
113	223.00	0.756
Std Dev	219.98	1.000
113	216.00	1.323

202.30 Acid Soluble Cobalt		
Lab	PPM	ICP

202.XX Acid Soluble Cobalt		
Lab	PPM	Total Method
61	7.00	-42.524
Std Dev	3.20	-1.000
16	3.16	-0.465
113	3.13	-0.137
Median	3.11	0.000
82	3.10	0.137
Std Dev	3.02	1.000
81	3.00	1.231
113	2.11	11.021

221.30 Acid Soluble Copper		
Lab	PPM	ICP
81	18.00	-4.530
Std Dev	8.37	-1.000
16	5.79	-0.053
Median	5.65	0.000
61	5.50	0.053
82	4.25	0.511

221.XX Acid Soluble Copper		
Lab	PPM	Total Method

81	18.00	-4.530
Std Dev	8.37	-1.000
16	5.79	-0.053
Median	5.65	0.000
61	5.50	0.053
82	4.25	0.511

241.30	%Fe <sub>2</sub> O <sub>3</sub>	Acid Soluble Iron
Lab		ICP
32	1.44	-0.536
16	1.43	-0.402
24	1.42	-0.179
34	1.42	-0.179
81	1.42	-0.179
24	1.41	0.000
32	1.41	0.000
82	1.41	0.000
Median	1.41	0.000
61	1.37	0.804
61	1.36	0.893
Std Dev	1.35	1.000
14	1.34	1.251
14	1.34	1.251
23	1.34	1.340
23	1.33	1.429

241.XX	%Fe <sub>2</sub> O <sub>3</sub>	Acid Soluble Iron
Lab		Total Method
32	1.44	-0.536
16	1.43	-0.402
24	1.42	-0.179
34	1.42	-0.179
81	1.42	-0.179
24	1.41	0.000
32	1.41	0.000
82	1.41	0.000
Median	1.41	0.000
61	1.37	0.804
61	1.36	0.893
Std Dev	1.35	1.000
14	1.34	1.251
14	1.34	1.251
23	1.34	1.340
23	1.33	1.429

251.30	PPM	Total Lead
Lab		ICP
61	6.00	-43.395
Std Dev	1.89	-1.000
81	1.80	-0.103
113	1.79	0.000
Median	1.79	0.000
Std Dev	1.69	1.000
113	1.67	1.237
16	0.00	18.451

251.XX	PPM	Total Lead
Lab		Total Method
61	6.00	-43.395
Std Dev	1.89	-1.000
81	1.80	-0.103
113	1.79	0.000
Median	1.79	0.000
Std Dev	1.69	1.000
113	1.67	1.237
16	0.00	18.451

261.30	PPM	Acid Soluble Manganese
Lab		ICP
82	243.50	-3.346
Std Dev	233.54	-1.000
61	230.50	-0.285
Median	229.29	0.000
16	228.08	0.285
81	228.00	0.304

261.XX	PPM	Acid Soluble Manganese
Lab		Total Method
82	243.50	-3.346
Std Dev	233.54	-1.000
61	230.50	-0.285
Median	229.29	0.000
16	228.08	0.285
81	228.00	0.304

281.00	PPM	Total Mercury
Lab		Atomic Absorbtion
81	0.00	0.000

Median	0.00	0.000
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281.XX	PPM	Total Mercury
Lab		Total Method
81	0.00	0.000
Median	0.00	0.000

289.30	PPM	Total Molybdenum
Lab		ICP

289.XX	PPM	Total Molybdenum
Lab		Total Method
61	21.00	-2.468
Std Dev	14.64	-1.000
81	12.00	-0.392
Median	10.30	0.000
82	8.60	0.392
16	7.96	0.540

291.30	PPM	Total Nickel
Lab		ICP

291.XX	PPM	Total Nickel
Lab		Total Method
61	56.00	-4.035
Std Dev	42.50	-1.000
16	42.47	-0.992
113	39.15	-0.247
Median	38.05	0.000
113	36.95	0.247
82	35.25	0.629
81	35.00	0.686

301.30	PPM	Total Selenium
Lab		ICP
113	0.50	0.000
113	0.50	0.000
Median	0.50	0.000

301.XX	PPM	Total Selenium
Lab		Total Mthod
113	0.50	0.000
113	0.50	0.000
Median	0.50	0.000

311.99	%Na <sub>2</sub> O	Sodium
Lab		Other
23	0.24	-2.144
23	0.24	-1.072
24	0.24	-1.072
Std Dev	0.23	-1.000
24	0.23	0.000
61	0.23	0.000
82	0.23	0.000
Median	0.23	0.000
Std Dev	0.23	1.000
61	0.23	1.072
81	0.22	3.216

311.XX	%Na <sub>2</sub> O	Sodium
Lab		Total Method
23	0.24	-2.144
23	0.24	-1.072
24	0.24	-1.072
Std Dev	0.23	-1.000
24	0.23	0.000
61	0.23	0.000
82	0.23	0.000
Median	0.23	0.000
Std Dev	0.23	1.000
61	0.23	1.072
81	0.22	3.216

321.30	PPM	Acid Soluble Zinc
Lab		ICP
81	873.00	-4.066
Std Dev	739.16	-1.000
61	722.50	-0.618
82	710.50	-0.344
Median	695.50	0.000
16	680.51	0.344
113	654.50	0.939
Std Dev	651.85	1.000
113	639.50	1.283

321.XX	PPM	Acid Soluble Zinc
Lab		Total Method
81	873.00	-4.066

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Std Dev	739.16	-1.000	32	0.56	0.290
61	722.50	-0.618	16	0.55	1.159
82	710.50	-0.344	34	0.53	2.463
Median	695.50	0.000	81	0.38	13.328
16	680.51	0.344			
113	654.50	0.939			
Std Dev	651.85	1.000			
113	639.50	1.283			

325.10		Fluoride
Lab	%	Electrode
32	0.59	-1.601
24	0.58	-1.253
23	0.58	-1.253
24	0.58	-0.905
23	0.57	-0.209
82	0.56	-0.070
Median	0.56	0.000
14	0.56	0.070
14	0.56	0.070
32	0.56	0.139
16	0.55	0.975
34	0.53	2.228
81	0.38	12.669

325.99		Fluoride
Lab	%	Other
61	0.59	-1.340
Median	0.58	0.000
61	0.57	1.340

325.XX		Fluoride
Lab	%	Total Method
32	0.59	-1.521
61	0.59	-1.521
24	0.58	-1.159
23	0.58	-1.159
24	0.58	-0.797
61	0.57	-0.435
23	0.57	-0.072
Median	0.56	0.000
82	0.56	0.072
14	0.56	0.217
14	0.56	0.217