

## AFPC

2017-02

Grade

11-52-0

## Sample

	AOAC Ref.	Method #	# of Labs.	Grand Median	Std Dev
<b>AMMONIACAL NITROGEN</b>					
Ammoniacal Nitrogen, Other		001.99	18	11.27	0.08
Method Group 001.XX PCT			18	11.27	0.10
<b>TOTAL NITROGEN</b>					
Total Nitrogen, Modified Comprehensive	978.02	010.11	3	11.32	0.01
Total Nitrogen, Combustion	993.13	010.60	24	11.26	0.11
Total Nitrogen, Other		010.99	5	11.34	0.53
Method Group 010.XX PCT			32	11.28	0.12
<b>TOTAL PHOSPHATE</b>					
Total Phosphate, Gravimetric Quimociac		020.10	1	53.45	0.00
Total Phosphate, Spectrometric	978.02	020.20	24	53.06	0.31
Total Phosphate, ICP	970.03	020.40	4	53.10	0.18
Total Phosphate, ICP, Lithium	970.02	020.50	1	52.81	0.00
Total Phosphate, Other	993.13	020.99	2	53.54	0.26
Method Group 020.XX PCT			32	53.09	0.38
<b>INSOLUBLE PHOSPHATE</b>					
Insoluble Phosphate, Spectrometric	963.03C(b)	030.20	9	0.16	0.02
Insoluble Phosphate, Alka. Quimociac	963.03C(c)	030.30	1	0.15	0.00
Insoluble Phosphate, Automated	978.01	030.40	3	0.23	0.01
Insoluble Phosphate, Other		030.99	2	0.11	0.02
Method Group 030.XX PCT			15	0.16	0.06
<b>INDIRECT AVAILABLE PHOSPHATE</b>					
Indirect Available Phosphate, Spectrometric	960.02	040.20	10	52.92	0.13
Indirect Available Phosphate, Automated	960.02	040.40	2	52.87	0.02
Indirect Available Phosphate, Other		040.99	3	52.71	0.01
Method Group 040.XX PCT			15	52.85	0.22
<b>DIRECT AVAILABLE PHOSPHATE</b>					
Direct Available Phosphate, Gravimetric Quimociac	960.03E	041.10	3	52.70	0.14
Direct Available Phosphate, Spectrometric	960.03D	041.20	3	51.86	0.46
Direct Available Phosphate, Automated	978.01	041.40	1	52.62	0.00
Direct Available Phosphate, ICP		041.50	3	51.79	0.78
Direct Available Phosphate, EDTA Extract	993.01	041.60	4	52.39	0.46
Direct Available Phosphate, Other		041.99	1	52.30	0.00
Method Group 041.XX PCT			15	52.46	0.64
<b>WATER SOLUBLE PHOSPHATE</b>					
Water Soluble Phosphate, Spectrometric	970.01	048.20	15	47.87	0.40
Water Soluble Phosphate, Other		048.99	8	47.98	0.48
Method Group 048.XX PCT			23	47.88	0.59
<b>SOLUBLE POTASH AS K<sub>2</sub>O</b>					
Soluble Potash, ICP(Oxalate)		050.50	3	0.11	0.01
Soluble Potash, ICP(Citrate)		050.51	1	0.12	0.00
Soluble Potash, Other		050.99	11	0.12	0.02
Method Group 050.XX PCT			15	0.12	0.02
<b>FREE WATER</b>					
Free Water, Vacuum Oven	965.08B	060.00	17	1.36	0.13
Free Water, Vacuum Desiccate	965.08A	060.10	2	1.15	0.07
Free Water, Other		060.99	6	1.81	0.86
Method Group 060.XX PCT			25	1.36	0.18
<b>ACID SOLUBLE CALCIUM AS CaO</b>					
Acid Soluble Calcium, Atomic Absorption	945.04	101.00	1	0.77	0.00
Acid Soluble Calcium, ICP		101.30	19	0.73	0.05
Acid Soluble Calcium, Other		101.99	1	0.71	0.00
Method Group 101.XX PCT			21	0.73	0.06
<b>ACID SOLUBLE MAGNESIUM AS MgO</b>					
Acid Soluble Magnesium, Atomic Absorption	984.01	121.00	1	0.75	0.00
Acid Soluble Magnesium, ICP		121.30	16	1.29	0.04
Acid Soluble Magnesium, Other		121.99	4	1.34	0.17

Method Group 121.XX PCT		21	1.28	0.05
<b>WATER SOLUBLE MAGNESIUM</b>				
Water Soluble Magnesium, Other	131.99	2	0.01	0.00
Method Group 131.XX PCT		2	0.01	0.00
<b>SULFATE SULFUR (S)</b>				
Sulfur, Gravimetric	980.02(a) 144.01	2	1.49	0.02
Sulfur, Other	144.99	19	1.46	0.04
Method Group 144.XX PCT		21	1.46	0.04
<b>TOTAL SULFUR (S)</b>				
Sulfur, Other	145.99	3	1.42	0.0
Method Group 145.XX PCT		3	1.42	0.0
<b>TOTAL ARSENIC</b>				
Total Arsenic, ICP	980.02(b) 151.02	10	22.2	3.3
Total Arsenic, Other	151.99	3	25.4	3.3
Method Group 151.XX PPM		13	22.2	4.5
<b>ACID SOLUBLE BORON</b>				
Acid Soluble Boron, Other	165.99	1	24	0.0
Method Group 165.XX PPM		1	24	0.0
<b>TOTAL CADMIUM</b>				
Total Cadmium, Atomic Absorbtion	181.00	3	2	56.8
Total Cadmium, ICP	181.30	13	140.4	6.6
Total Cadmium, Other	181.99	1	138.0	0.0
Method Group 181.XX PPM		17	139.2	10.4
<b>ALUMINUM AS Al<sub>2</sub>O<sub>3</sub></b>				
ICP, %		18	1.69	0.06
Water Soluble Chlorine, Other, %	190.99	4	1.83	0.09
Method Group 190.XX PCT		22	1.69	0.08
<b>TOTAL CHROMIUM</b>				
Total Chromium, Atomic Absorbtion	191.00	2	6	0.2
Total Chromium, ICP	191.30	11	560	7.3
Total Chromium, Other	191.99	1	565	0.0
Method Group 191.XX PPM		14	559	48.9
<b>ACID SOLUBLE COBALT</b>				
Acid Soluble Cobalt, ICP	202.30	10	4	0.7
Acid Soluble Cobalt, Other	202.99	1	4	0.0
Method Group 202.XX PPM		11	4	1.0
<b>ACID SOLUBLE COPPER</b>				
Acid Soluble Copper, Other	221.99	2	0.9	1.5
Method Group 221.XX PPM		13	62.8	6.1
<b>ACID SOLUBLE IRON AS Fe<sub>2</sub>O<sub>3</sub></b>				
Acid Soluble Iron, ICP	241.30	19	1.17	0.02
Acid Soluble Iron, Other	241.99	4	1.30	0.12
Method Group 241.XX PCT		24	1.17	0.04
<b>TOTAL LEAD</b>				
Total Lead, Atomic Absorbtion	251.00	2	1	0.3
Total Lead, ICP	251.30	8	2	1.4
Total Lead, Other	251.99	1	1.2	0.0
Method Group 251.XX PPM		11	1	1.5
<b>ACID SOLUBLE MANGANESE</b>				
Acid Soluble Manganese, ICP	972.02a 261.30	3	181	17.2
Acid Soluble Manganese, Other	261.99	7	180	9.6
Method Group 261.XX PPM		10	181	9.3
<b>WATER SOLUBLE MANGANESE</b>				
Water Soluble Manganese, Other	271.99	2	186	1
Method Group 271.XX PCT		2	186	1.3
<b>TOTAL MERCURY</b>				
Total Mercury, ICP	281.30	1	0.00	0.00
Method Group 281.XX PPM		1	0.04	0.00
<b>TOTAL MOLYBDENUM</b>				
Total Molybdenum, ICP	289.30	11	20	3.3
Total Molybdenum, Other	289.99	1	22	0.0
Method Group 289.XX PPM		12	20	3.9

<b>TOTAL NICKEL</b>					
Total Nickel, ICP	291.30		11	266.0	8.6
Total Nickel, icp	291.99		2	242.3	14.7
Method Group 291.XX PPM			13	266.0	13.1
<b>TOTAL SELENIUM</b>					
Total Selenium, ICP	301.30		7	0.1	0.2
Total Selenium, Other	301.99		1	1	0.0
Method Group 301.XX PPM			8	0.1	0.4
<b>SODIUM AS Na<sub>2</sub>O</b>					
Sodium, Atomic Absorbtion	983.04	311.00	2	0.32	0.00
Sodium, Other		311.99	11	0.14	0.01
Method Group 311.XX PCT			13	0.14	0.02
<b>ACID SOLUBLE ZINC</b>					
Acid Soluble Zinc, Atomic Absorption	975.02	321.00	1	2011.5	0.0
Acid Soluble Zinc, ICP		321.30	10	1965.8	149.6
Acid Soluble Zinc, Other		321.99	5	1984.0	328.4
Method Group 321.XX %			16	1997.8	250.7
<b>FLUORIDE</b>					
Volumentric	325.10		15	1.48	0.10
Distilled/Electrode	325.99		6	1.51	0.12
Method Group 325.XX PCT			21	1.49	0.12

001.99 Ammoniacal Nitrogen		
Lab		Other
330	11.63	-4.258
330	11.57	-3.603
<b>Std Dev</b>	<b>11.35</b>	<b>-1.000</b>
140	11.34	-0.864
24	11.32	-0.625
24	11.31	-0.506
275	11.31	-0.447
79	11.29	-0.208
275	11.28	-0.149
34	11.28	-0.089
<b>Median</b>	<b>11.27</b>	<b>0.000</b>
23	11.26	0.089
61	11.25	0.268
23	11.24	0.328
310	11.20	0.804
32	11.20	0.864
32	11.20	0.864
<b>Std Dev</b>	<b>11.18</b>	<b>1.000</b>
38	11.16	1.340
61	11.06	2.472
340	10.20	12.715

001.XX Ammoniacal Nitrogen		
Lab		Total Method
330	11.63	-4.258
330	11.57	-3.603
<b>Std Dev</b>	<b>11.35</b>	<b>-1.000</b>
140	11.34	-0.864
24	11.32	-0.625
24	11.31	-0.506
275	11.31	-0.447
79	11.29	-0.208
275	11.28	-0.149
34	11.28	-0.089
<b>Median</b>	<b>11.27</b>	<b>0.000</b>
23	11.26	0.089
61	11.25	0.268
23	11.24	0.328
310	11.20	0.804
32	11.20	0.864
32	11.20	0.864
<b>Std Dev</b>	<b>11.18</b>	<b>1.000</b>

38	11.16	1.340
61	11.06	2.472
340	10.20	12.715

010.11 Total Nitrogen		
Lab		Modified Comprehensive
43	11.33	-0.670
43	11.32	0.000
<b>Median</b>	<b>11.32</b>	<b>0.000</b>
<b>Std Dev</b>	<b>11.30</b>	<b>1.000</b>
219	11.29	2.010

010.60 Total Nitrogen		
Lab		Combustion
31	61.84	-455.645
66	11.43	-1.576
14	11.39	-1.216
47	11.38	-1.162
<b>Std Dev</b>	<b>11.37</b>	<b>-1.000</b>
24	11.33	-0.676
79	11.33	-0.631
49	11.32	-0.541
219	11.31	-0.495
39	11.31	-0.486
14	11.28	-0.225
64	11.27	-0.135
9	11.26	-0.045
<b>Median</b>	<b>11.26</b>	<b>0.000</b>
24	11.25	0.045
38	11.25	0.045
9	11.25	0.090
63	11.23	0.225
110	11.20	0.541
77	11.17	0.766
137	11.17	0.811
80	11.15	0.946
<b>Std Dev</b>	<b>11.14</b>	<b>1.000</b>
99	11.08	1.622
111	11.05	1.847
29	10.94	2.838
103	10.85	3.693

010.99 Total Nitrogen		
Lab		Other
330	11.92	-1.104
330	11.91	-1.076
<b>Std Dev</b>	<b>11.86</b>	<b>-1.000</b>
335	11.34	0.000
<b>Median</b>	<b>11.34</b>	<b>0.000</b>
32	11.20	0.264
32	11.20	0.264

010.XX Total Nitrogen		
Lab		Total Method
31	61.84	-516.194
330	11.92	-6.585
330	11.91	-6.432
66	11.43	-1.582
14	11.39	-1.174
47	11.38	-1.113
<b>Std Dev</b>	<b>11.37</b>	<b>-1.000</b>
335	11.34	-0.613
24	11.33	-0.562
43	11.33	-0.510
79	11.33	-0.510
43	11.32	-0.408
49	11.32	-0.408
219	11.31	-0.357
39	11.31	-0.347
219	11.29	-0.102
14	11.28	-0.051
<b>Median</b>	<b>11.28</b>	<b>0.000</b>
64	11.27	0.051
9	11.26	0.153
24	11.25	0.255
38	11.25	0.255
9	11.25	0.306
63	11.23	0.459
32	11.20	0.817
32	11.20	0.817
110	11.20	0.817
<b>Std Dev</b>	<b>11.18</b>	<b>1.000</b>
77	11.17	1.072
137	11.17	1.123
80	11.15	1.276
99	11.08	2.042
111	11.05	2.297
29	10.94	3.420

020.10 Total Phosphate		
Lab		Gravimetric Quimociac
219	53.45	0.000
<b>Median</b>	<b>53.45</b>	<b>0.000</b>

020.20 Total Phosphate		
Lab		Spectrometric
14	53.51	-1.424
275	53.43	-1.169
<b>Std Dev</b>	<b>53.37</b>	<b>-1.000</b>
61	53.36	-0.962
275	53.34	-0.899
14	53.28	-0.692
99	53.27	-0.660
111	53.22	-0.517
24	53.18	-0.390
31	53.14	-0.247
61	53.13	-0.215
310	53.10	-0.135
24	53.07	-0.040
<b>Median</b>	<b>53.06</b>	<b>0.000</b>
23	53.05	0.040
23	53.01	0.167
340	53.00	0.183
34	52.92	0.453
43	52.90	0.517
32	52.82	0.771
140	52.80	0.835
32	52.79	0.851
79	52.78	0.875
<b>Std Dev</b>	<b>52.74</b>	<b>1.000</b>
220	52.59	1.495
43	52.43	1.996
110	51.84	3.873

020.40 Total Phosphate		
Lab		Automated
219	53.15	-0.287
9	53.12	-0.123
<b>Median</b>	<b>53.10</b>	<b>0.000</b>
9	53.08	0.123
<b>Std Dev</b>	<b>52.91</b>	<b>1.000</b>

137	52.31	4.334
<b>020.50 Total Phosphate</b>		
Lab	ICP	
111	52.81	0.000
Median	52.81	0.000
<b>020.99 Total Phosphate</b>		
Lab	Other	
330	53.89	-1.340
Std Dev	53.80	-1.000
Median	53.54	0.000
Std Dev	53.28	1.000
330	53.19	1.340
<b>020.XX Total Phosphate</b>		
Lab	Total Method	
330	53.89	-2.576
14	53.51	-1.340
219	53.45	-1.147
275	53.43	-1.083
Std Dev	53.40	-1.000
61	53.36	-0.875
275	53.34	-0.810
14	53.28	-0.602
99	53.27	-0.570
111	53.22	-0.425
330	53.19	-0.329
24	53.18	-0.297
219	53.15	-0.201
31	53.14	-0.152
61	53.13	-0.120
9	53.12	-0.104
310	53.10	-0.040
Median	53.09	0.000
9	53.08	0.040
24	53.07	0.056
23	53.05	0.136
23	53.01	0.265
340	53.00	0.281
34	52.92	0.554
43	52.90	0.618
32	52.82	0.875
111	52.81	0.891

140	52.80	0.939
32	52.79	0.955
79	52.78	0.979
Std Dev	52.78	1.000
220	52.59	1.604
43	52.43	2.110
137	52.31	2.511
110	51.84	4.004
<b>030.20 Insoluble Phosphate</b>		
Lab	Spectrometric	
340	0.21	-2.781
61	0.19	-1.770
Std Dev	0.17	-1.000
79	0.17	-0.834
61	0.17	-0.758
23	0.16	0.000
Median	0.16	0.000
140	0.15	0.253
23	0.15	0.506
Std Dev	0.14	1.000
24	0.13	1.264
24	0.13	1.264
<b>030.30 Insoluble Phosphate</b>		
Lab	Alka. Quimociac	
31	0.15	0.000
Median	0.15	0.000
<b>030.40 Insoluble Phosphate</b>		
Lab	Automated	
9	0.24	-0.670
9	0.23	0.000
Median	0.23	0.000
Std Dev	0.22	1.000
34	0.22	2.010
<b>030.99 Insoluble Phosphate</b>		
Lab	Other	
32	0.13	-1.340
Std Dev	0.12	-1.000
Median	0.11	0.000
Std Dev	0.09	1.000
32	0.08	1.340

<b>030.XX Insoluble Phosphate</b>		
Lab	Total Method	
9	0.24	-1.715
9	0.23	-1.608
34	0.22	-1.286
340	0.21	-1.179
Std Dev	0.20	-1.000
61	0.19	-0.750
79	0.17	-0.354
61	0.17	-0.322
23	0.16	0.000
Median	0.16	0.000
31	0.15	0.107
140	0.15	0.107
23	0.15	0.214
24	0.13	0.536
24	0.13	0.536
32	0.13	0.536
Std Dev	0.11	1.000
32	0.08	1.608
<b>040.20 Indirect Available Phosphate</b>		
Lab	Spectrometric	
61	53.17	-1.901
24	53.06	-1.064
Std Dev	53.05	-1.000
31	52.99	-0.532
61	52.96	-0.266
24	52.94	-0.152
Median	52.92	0.000
23	52.90	0.152
23	52.85	0.532
340	52.79	0.988
Std Dev	52.79	1.000
140	52.65	2.091
79	52.61	2.349
<b>040.40 Indirect Available Phosphate</b>		
Lab	Automated	
9	52.89	-1.340
Std Dev	52.88	-1.000
Median	52.87	0.000
Std Dev	52.85	1.000

9	52.85	1.340
<b>040.99 Indirect Available Phosphate</b>		
Lab	Other	
32	52.71	-0.536
34	52.71	0.000
Median	52.71	0.000
Std Dev	52.70	1.000
32	52.69	2.144
<b>040.XX Indirect Available Phosphate</b>		
Lab	Total Method	
61	53.17	-1.787
24	53.06	-1.173
Std Dev	53.03	-1.000
31	52.99	-0.782
61	52.96	-0.586
24	52.94	-0.503
23	52.90	-0.279
9	52.89	-0.223
23	52.85	0.000
Median	52.85	0.000
9	52.85	0.028
340	52.79	0.335
32	52.71	0.782
34	52.71	0.810
32	52.69	0.921
Std Dev	52.67	1.000
140	52.65	1.145
79	52.61	1.334
<b>041.10 Direct Available Phosphate</b>		
Lab	Gravimetric Quimociac	
219	52.85	-1.108
Std Dev	52.83	-1.000
107	52.70	0.000
Median	52.70	0.000
Std Dev	52.56	1.000
47	52.48	1.572
<b>041.20 Direct Available Phosphate</b>		
Lab	Spectrometric	
47	52.46	-1.284
Std Dev	52.32	-1.000

38	51.86	0.000
Median	51.86	0.000
Std Dev	51.40	1.000
220	51.21	1.396

041.40 Direct Available Phosphate		
Lab	Automated	
49	52.62	0.000
Median	52.62	0.000

041.50 Direct Available Phosphate		
Lab	ICP	
63	52.79	-1.289
Std Dev	52.56	-1.000
66	51.79	0.000
Median	51.79	0.000
Std Dev	51.01	1.000
80	50.70	1.391

041.60 Direct Available Phosphate		
Lab	EDTA Extract	
77	53.04	-1.411
Std Dev	52.85	-1.000
219	52.64	-0.545
Median	52.39	0.000
29	52.14	0.545
137	52.08	0.679

041.99 Direct Available Phosphate		
Lab	Other	
335	52.30	0.000
Median	52.30	0.000

041.XX Direct Available Phosphate		
Lab	Total Method	
77	53.04	-1.120
Std Dev	52.98	-1.000
219	52.85	-0.756
63	52.79	-0.641
107	52.70	-0.459
219	52.64	-0.354
49	52.62	-0.316
47	52.48	-0.038
47	52.46	0.000

Median	52.46	0.000
335	52.30	0.306
29	52.14	0.609
137	52.08	0.727
Std Dev	51.93	1.000
38	51.86	1.139
66	51.79	1.283
220	51.21	2.378
80	50.70	3.360

048.20 Water Soluble Phosphate		
Lab	Spectrometric	
330	49.95	-5.247
330	49.83	-4.944
Std Dev	48.27	-1.000
79	48.14	-0.668
61	48.13	-0.643
23	48.09	-0.555
14	48.06	-0.479
61	47.88	-0.013
14	47.87	0.000
Median	47.87	0.000
31	47.86	0.038
23	47.77	0.252
140	47.76	0.290
Std Dev	47.47	1.000
220	47.40	1.192
111	47.26	1.539
24	47.24	1.589
24	47.09	1.968

048.99 Water Soluble Phosphate		
Lab	Other	
39	54.24	-13.122
Std Dev	48.46	-1.000
32	48.16	-0.378
32	48.14	-0.336
9	48.00	-0.031
Median	47.98	0.000
9	47.97	0.031
34	47.56	0.892
Std Dev	47.50	1.000
111	47.36	1.301
340	46.50	3.105

048.XX Water Soluble Phosphate		
Lab	Total Method	
39	54.24	-13.037
330	49.95	-4.254
330	49.83	-4.008
Std Dev	48.36	-1.000
32	48.16	-0.584
32	48.14	-0.543
79	48.14	-0.533
61	48.13	-0.512
23	48.09	-0.441
14	48.06	-0.379
9	48.00	-0.246
9	47.97	-0.184
61	47.88	0.000
Median	47.88	0.000
14	47.87	0.010
31	47.86	0.041
23	47.77	0.215
140	47.76	0.246
34	47.56	0.656
220	47.40	0.979
Std Dev	47.39	1.000
111	47.36	1.056
111	47.26	1.261
24	47.24	1.302
24	47.09	1.609
340	46.50	2.819

050.50 %K <sub>2</sub> O Soluble Potash		
Lab	ICP(Oxalate)	
99	0.14	-2.680
Std Dev	0.12	-1.000
23	0.11	0.000
23	0.11	0.000
Median	0.11	0.000

050.51 %K <sub>2</sub> O Soluble Potash		
Lab	ICP(Citrate)	
137	0.12	0.000
Median	0.12	0.000

050.99 Soluble Potash		
Lab	%K <sub>2</sub> O	Other
61	0.13	-0.529
61	0.13	-0.529
330	0.13	-0.529
330	0.13	-0.529
31	0.12	0.000
111	0.12	0.000
Median	0.12	0.000
43	0.11	0.492
43	0.11	0.562
Std Dev	0.10	1.000
24	0.10	1.059
80	0.10	1.059
24	0.07	2.647

050.XX Soluble Potash		
Lab	%K <sub>2</sub> O	Total Method
99	0.14	-1.320
Std Dev	0.13	-1.000
61	0.13	-0.990
61	0.13	-0.990
330	0.13	-0.990
330	0.13	-0.990
31	0.12	-0.330
111	0.12	-0.330
137	0.12	0.000
Median	0.12	0.000
43	0.11	0.283
23	0.11	0.330
23	0.11	0.330
43	0.11	0.371
24	0.10	0.990
80	0.10	0.990
Std Dev	0.10	1.000
24	0.07	2.969

060.00 Free Water		
Lab	Vacuum Oven	
79	1.63	-2.128
31	1.51	-1.222
Std Dev	1.48	-1.000
24	1.44	-0.670
24	1.43	-0.591

23	1.43	-0.552
9	1.41	-0.394
9	1.40	-0.355
23	1.38	-0.158
34	1.36	0.000
<b>Median</b>	<b>1.36</b>	<b>0.000</b>
32	1.33	0.197
111	1.27	0.709
340	1.26	0.749
43	1.26	0.788
43	1.25	0.828
140	1.24	0.906
<b>Std Dev</b>	<b>1.23</b>	<b>1.000</b>
32	1.21	1.143
220	0.02	10.523

060.10		Free Water
Lab		Vacuum Desiccate
61	1.24	-1.340
<b>Std Dev</b>	<b>1.22</b>	<b>-1.000</b>
<b>Median</b>	<b>1.15</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.07</b>	<b>1.000</b>
61	1.05	1.340

060.99		Free Water
Lab		Other
330	2.79	-1.135
330	2.77	-1.111
<b>Std Dev</b>	<b>2.67</b>	<b>-1.000</b>
14	1.83	-0.023
<b>Median</b>	<b>1.81</b>	<b>0.000</b>
14	1.79	0.023
275	1.24	0.660
275	1.19	0.718

060.XX		Free Water
Lab		Total Method
330	2.79	-9.615
330	2.77	-9.481
14	1.83	-3.183
14	1.79	-2.915
79	1.63	-1.809
31	1.51	-1.039
<b>Std Dev</b>	<b>1.50</b>	<b>-1.000</b>

24	1.44	-0.570
24	1.43	-0.503
23	1.43	-0.469
9	1.41	-0.335
9	1.40	-0.302
23	1.38	-0.134
34	1.36	0.000
<b>Median</b>	<b>1.36</b>	<b>0.000</b>
32	1.33	0.167
111	1.27	0.603
340	1.26	0.637
43	1.26	0.670
43	1.25	0.704
61	1.24	0.771
140	1.24	0.771
275	1.24	0.771
32	1.21	0.972
<b>Std Dev</b>	<b>1.21</b>	<b>1.000</b>
275	1.19	1.106
61	1.05	2.044
220	0.02	8.945

101.00		Acid Soluble Calcium
Lab	%CaO	Atomic Absorption
219	0.77	0.000
<b>Median</b>	<b>0.77</b>	<b>0.000</b>

101.30		Acid Soluble Calcium
Lab	%CaO	ICP
330	0.98	-4.786
111	0.88	-2.871
330	0.83	-1.914
32	0.81	-1.627
61	0.78	-1.053
<b>Std Dev</b>	<b>0.78</b>	<b>-1.000</b>
32	0.78	-0.957
61	0.75	-0.479
34	0.74	-0.287
9	0.73	0.000
14	0.73	0.000
<b>Median</b>	<b>0.73</b>	<b>0.000</b>
24	0.72	0.096
24	0.72	0.096
9	0.71	0.287
23	0.71	0.383
219	0.71	0.383
31	0.70	0.412
23	0.70	0.479
<b>Std Dev</b>	<b>0.67</b>	<b>1.000</b>
43	0.66	1.225
43	0.66	1.311

14	0.71	0.287
23	0.71	0.383
31	0.70	0.412
23	0.70	0.479
<b>Std Dev</b>	<b>0.67</b>	<b>1.000</b>
43	0.66	1.225
43	0.66	1.311

101.99		Acid Soluble Calcium
Lab	%CaO	Other
219	0.71	0.000
<b>Median</b>	<b>0.71</b>	<b>0.000</b>

101.XX		Acid Soluble Calcium
Lab	%CaO	Total Method
330	0.98	-4.786
111	0.88	-2.871
330	0.83	-1.914
32	0.81	-1.627
61	0.78	-1.053
<b>Std Dev</b>	<b>0.78</b>	<b>-1.000</b>
32	0.78	-0.957
219	0.77	-0.766
61	0.75	-0.479
34	0.74	-0.287
9	0.73	0.000
14	0.73	0.000
<b>Median</b>	<b>0.73</b>	<b>0.000</b>
24	0.72	0.096
24	0.72	0.096
9	0.71	0.287
14	0.71	0.287
23	0.71	0.383
219	0.71	0.383
31	0.70	0.412
23	0.70	0.479
<b>Std Dev</b>	<b>0.67</b>	<b>1.000</b>
43	0.66	1.225
43	0.66	1.311

121.00		Acid Soluble Magnesium
Lab	%MgO	Atomic Absorption
219	0.75	0.000
<b>Median</b>	<b>0.75</b>	<b>0.000</b>

121.30		Acid Soluble Magnesium
Lab	%MgO	ICP
24	1.35	-1.548
32	1.35	-1.429
<b>Std Dev</b>	<b>1.33</b>	<b>-1.000</b>
61	1.31	-0.476
24	1.30	-0.357
32	1.30	-0.357
34	1.30	-0.357
61	1.30	-0.357
23	1.29	-0.119
<b>Median</b>	<b>1.29</b>	<b>0.000</b>
23	1.28	0.119
9	1.28	0.238
9	1.28	0.238
14	1.25	0.953
<b>Std Dev</b>	<b>1.24</b>	<b>1.000</b>
14	1.24	1.072
31	1.23	1.310
43	1.08	5.003
43	1.07	5.122

121.99		Acid Soluble Magnesium
Lab	%MgO	Other
330	1.44	-0.530
330	1.41	-0.358
<b>Median</b>	<b>1.34</b>	<b>0.000</b>
111	1.28	0.358
<b>Std Dev</b>	<b>1.17</b>	<b>1.000</b>
219	0.88	2.680

121.XX		Acid Soluble Magnesium
Lab	%MgO	Total Method
330	1.44	-3.462
330	1.41	-2.792
24	1.35	-1.563
32	1.35	-1.452
<b>Std Dev</b>	<b>1.32</b>	<b>-1.000</b>
61	1.31	-0.558
24	1.30	-0.447
32	1.30	-0.447
34	1.30	-0.447
61	1.30	-0.447

23	1.29	-0.223
23	1.28	0.000
111	1.28	0.000
<b>Median</b>	<b>1.28</b>	<b>0.000</b>
9	1.28	0.112
9	1.28	0.112
14	1.25	0.782
14	1.24	0.893
<b>Std Dev</b>	<b>1.24</b>	<b>1.000</b>
31	1.23	1.117
43	1.08	4.578
43	1.07	4.690
219	0.88	9.045
219	0.75	11.837

144..01	Sulfate Sulfur (S)	
Lab	Gravimetric	
220	1.52	-1.340
<b>Std Dev</b>	<b>1.51</b>	<b>-1.000</b>
<b>Median</b>	<b>1.49</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.47</b>	<b>1.000</b>
79	1.46	1.340

144.99	Sulfate Sulfur (S)	
Lab	Other	
340	5.66	-112.694
330	4.98	-94.470
330	4.74	-88.038
<b>Std Dev</b>	<b>1.49</b>	<b>-1.000</b>
9	1.49	-0.804
24	1.48	-0.670
61	1.48	-0.670
9	1.47	-0.402
24	1.47	-0.402
34	1.47	-0.402
23	1.46	0.000
32	1.46	0.000
<b>Median</b>	<b>1.46</b>	<b>0.000</b>
23	1.45	0.268
14	1.44	0.402
32	1.44	0.536
61	1.43	0.804
<b>Std Dev</b>	<b>1.42</b>	<b>1.000</b>
275	1.39	1.876

14	1.38	2.010
275	1.38	2.010
31	1.37	2.412

144.XX	Sulfate Sulfur (S)	
Lab	Total Method	
340	5.66	-125.067
330	4.98	-104.818
330	4.74	-97.671
220	1.52	-1.787
<b>Std Dev</b>	<b>1.49</b>	<b>-1.000</b>
9	1.49	-0.744
24	1.48	-0.596
61	1.48	-0.596
9	1.47	-0.298
24	1.47	-0.298
34	1.47	-0.298
79	1.46	0.000
<b>Median</b>	<b>1.46</b>	<b>0.000</b>
23	1.46	0.149
32	1.46	0.149
23	1.45	0.447
14	1.44	0.596
32	1.44	0.744
<b>Std Dev</b>	<b>1.43</b>	<b>1.000</b>
61	1.43	1.042
275	1.39	2.233
14	1.38	2.382
275	1.38	2.382
31	1.37	2.829

145.99	Total Sulfur (S)	
Lab	Other	
111	1.46	-2.382
<b>Std Dev</b>	<b>1.44</b>	<b>-1.000</b>
43	1.42	0.000
<b>Median</b>	<b>1.42</b>	<b>0.000</b>
43	1.42	0.298

145.XX	Total Sulfur (S)	
Lab	Total Method	
111	1.46	-2.382
<b>Std Dev</b>	<b>1.44</b>	<b>-1.000</b>
43	1.42	0.000

<b>Median</b>	<b>1.42</b>	<b>0.000</b>
43	1.42	0.298

151.30	Total Arsenic	
Lab	ICP	
335	25.72	-1.068
<b>Std Dev</b>	<b>25.49</b>	<b>-1.000</b>
43	24.50	-0.697
340	24.50	-0.697
43	24.25	-0.621
64	22.24	-0.005
<b>Median</b>	<b>22.22</b>	<b>0.000</b>
61	22.20	0.005
61	21.40	0.250
24	19.60	0.799
<b>Std Dev</b>	<b>18.94</b>	<b>1.000</b>
31	17.10	1.563
111	3.50	5.717

151.99	Total Arsenic	
Lab	Other	
18	27.40	-0.622
18	25.35	0.000
<b>Median</b>	<b>25.35</b>	<b>0.000</b>
<b>Std Dev</b>	<b>22.06</b>	<b>1.000</b>
140	18.57	2.058

151.XX	Total Arsenic	
Lab	Total Method	
18	27.40	-1.412
<b>Std Dev</b>	<b>25.89</b>	<b>-1.000</b>
335	25.72	-0.952
18	25.35	-0.852
43	24.50	-0.619
340	24.50	-0.619
43	24.25	-0.551
64	22.24	0.000
<b>Median</b>	<b>22.24</b>	<b>0.000</b>
61	22.20	0.010
61	21.40	0.228
24	19.60	0.721
<b>Std Dev</b>	<b>18.58</b>	<b>1.000</b>
140	18.57	1.002
31	17.10	1.404

111	3.50	5.123
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165.99	Acid Soluble Boron	
Lab	PPM	Other
24	24.00	0.000
<b>Median</b>	<b>24.00</b>	<b>0.000</b>

165.XX, ppm	Acid Soluble Boron	
Lab	PPM	Total Method
24	24.00	0.000
<b>Median</b>	<b>24.00</b>	<b>0.000</b>

181.00	Total Cadmium	
Lab	Atomic Absorbion	
220	153.67	-2.670
<b>Std Dev</b>	<b>58.81</b>	<b>-1.000</b>
330	2.00	0.000
<b>Median</b>	<b>2.00</b>	<b>0.000</b>
330	1.43	0.010

181.30	Total Cadmium	
Lab	PPM	ICP
340	191.00	-7.617
335	156.11	-2.370
<b>Std Dev</b>	<b>147.00</b>	<b>-1.000</b>
61	141.50	-0.173
64	140.91	-0.084
31	140.80	-0.068
61	140.50	-0.023
275	140.35	0.000
<b>Median</b>	<b>140.35</b>	<b>0.000</b>
275	139.20	0.173
18	133.95	0.963
<b>Std Dev</b>	<b>133.70</b>	<b>1.000</b>
18	132.00	1.256
111	129.50	1.632
43	125.50	2.233
43	125.00	2.309

181.99	Total Cadmium	
Lab	Other	
24	138.00	0.000
<b>Median</b>	<b>138.00</b>	<b>0.000</b>



181.XX		Total Cadmium
Lab	PPM	Total Method
340	191.00	-6.083
335	156.11	-1.986
220	153.67	-1.699
<b>Std Dev</b>	<b>147.71</b>	<b>-1.000</b>
61	141.50	-0.270
64	140.91	-0.201
31	140.80	-0.188
61	140.50	-0.153
275	140.35	-0.135
275	139.20	0.000
<b>Median</b>	<b>139.20</b>	<b>0.000</b>
24	138.00	0.141
18	133.95	0.617
18	132.00	0.846
<b>Std Dev</b>	<b>130.69</b>	<b>1.000</b>
111	129.50	1.139
43	125.50	1.609
43	125.00	1.668
330	2.00	16.113
330	1.43	16.180

190.00		Aluminum
Lab	%Al <sub>2</sub> O <sub>3</sub>	ICP
9	1.74	-0.921
9	1.74	-0.837
14	1.73	-0.754
14	1.72	-0.586
275	1.72	-0.502
23	1.70	-0.251
275	1.70	-0.251
23	1.69	-0.084
32	1.69	-0.084
<b>Median</b>	<b>1.69</b>	<b>0.000</b>
24	1.68	0.084
34	1.68	0.168
24	1.64	0.754
61	1.64	0.838
61	1.63	0.921
<b>Std Dev</b>	<b>1.63</b>	<b>1.000</b>
32	1.62	1.173
43	1.55	2.261
43	1.54	2.429

111	1.22	7.789
190.99		Aluminum
Lab	%Al <sub>2</sub> O <sub>3</sub>	Atomic Absorption
220	1.89	-0.642
330	1.88	-0.530
<b>Median</b>	<b>1.83</b>	<b>0.000</b>
330	1.78	0.530
<b>Std Dev</b>	<b>1.74</b>	<b>1.000</b>
31	1.69	1.535

190.XX		Aluminum
Lab	%Al <sub>2</sub> O <sub>3</sub>	Total Method
220	1.89	-2.864
330	1.88	-2.717
330	1.78	-1.322
<b>Std Dev</b>	<b>1.76</b>	<b>-1.000</b>
9	1.74	-0.734
9	1.74	-0.661
14	1.73	-0.587
14	1.72	-0.441
275	1.72	-0.367
23	1.70	-0.147
275	1.70	-0.147
23	1.69	0.000
31	1.69	0.000
32	1.69	0.000
<b>Median</b>	<b>1.69</b>	<b>0.000</b>
24	1.68	0.147
34	1.68	0.220
24	1.64	0.734
61	1.64	0.808
61	1.63	0.881
<b>Std Dev</b>	<b>1.62</b>	<b>1.000</b>
32	1.62	1.101
43	1.55	2.056
43	1.54	2.203
111	1.22	6.902

191.00		Total Chromium
Lab		Atomic Absorption
330	6.50	-1.340
<b>Std Dev</b>	<b>6.44</b>	<b>-1.000</b>
<b>Median</b>	<b>6.25</b>	<b>0.000</b>

<b>Std Dev</b>	<b>6.06</b>	<b>1.000</b>
330	6.00	1.340

191.30		Total Chromium
Lab		ICP
335	721.04	-21.955
340	670.00	-14.993
<b>Std Dev</b>	<b>567.43</b>	<b>-1.000</b>
64	565.70	-0.763
31	563.95	-0.525
18	562.45	-0.321
18	560.10	0.000
<b>Median</b>	<b>560.10</b>	<b>0.000</b>
61	558.00	0.286
61	557.00	0.423
111	553.00	0.969
<b>Std Dev</b>	<b>552.77</b>	<b>1.000</b>
43	497.00	8.608
43	493.50	9.086

191.99		Total Chromium
Lab	PPM	Other
24	565.00	0.000
<b>Median</b>	<b>565.00</b>	<b>0.000</b>

191.XX		Total Chromium
Lab	PPM	Total Method
335	721.04	-4.039
340	670.00	-2.767
<b>Std Dev</b>	<b>599.15</b>	<b>-1.000</b>
64	565.70	-0.166
24	565.00	-0.148
31	563.95	-0.122
18	562.45	-0.085
18	560.10	-0.026
<b>Median</b>	<b>559.05</b>	<b>0.000</b>
61	558.00	0.026
61	557.00	0.051
111	553.00	0.151
<b>Std Dev</b>	<b>518.95</b>	<b>1.000</b>
43	497.00	1.547
43	493.50	1.635
330	6.50	13.778
330	6.00	13.791

202.30		Acid Soluble Cobalt
Lab	PPM	ICP
64		

202.99		Acid Soluble Cobalt
Lab		Other
24	4.47	0.000
<b>Median</b>	<b>4.47</b>	<b>0.000</b>

202.XX		Acid Soluble Cobalt
Lab	PPM	Total Method
64	4.91	-1.128
<b>Std Dev</b>	<b>4.80</b>	<b>-1.000</b>
18	4.60	-0.748
18	4.50	-0.623
24	4.47	-0.586
43	4.00	0.000
43	4.00	0.000
<b>Median</b>	<b>4.00</b>	<b>0.000</b>
111	3.50	0.623
31	3.42	0.723
61	3.40	0.748
<b>Std Dev</b>	<b>3.20</b>	<b>1.000</b>
61	2.95	1.309
330	1.50	3.116

221.00		Acid Soluble Copper
Lab		Atomic Absorption
330	45.00	-1.340
<b>Std Dev</b>	<b>39.44</b>	<b>-1.000</b>
<b>Median</b>	<b>23.10</b>	<b>0.000</b>
<b>Std Dev</b>	<b>6.76</b>	<b>1.000</b>
219	1.20	1.340

221.30		Acid Soluble Copper
Lab	PPM	ICP
111	75.00	-2.107
<b>Std Dev</b>	<b>70.11</b>	<b>-1.000</b>
64	67.60	-0.429
31	66.92	-0.275
18	66.75	-0.238
18	65.70	0.000
<b>Median</b>	<b>65.70</b>	<b>0.000</b>
<b>Std Dev</b>	<b>61.29</b>	<b>1.000</b>

61	61.00	1.065
61	61.00	1.065
43	60.00	1.291
43	59.50	1.405

221.99 Acid Soluble Copper		
Lab		Other
24	62.80	-1.340
Std Dev	62.27	-1.000
Median	60.73	0.000
Std Dev	59.18	1.000
219	58.65	1.340

221.XX Acid Soluble Copper		
Lab	PPM	Total Method
111	75.00	-2.422
Std Dev	67.84	-1.000
64	67.60	-0.952
31	66.92	-0.817
18	66.75	-0.784
18	65.70	-0.576
24	62.80	0.000
219	62.80	0.000
Median	62.80	0.000
61	61.00	0.357
61	61.00	0.357
43	60.00	0.556
43	59.50	0.655
219	58.65	0.824
Std Dev	57.76	1.000
330	45.00	3.534

241.30 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	ICP
23	1.28	-4.913
23	1.27	-4.690
24	1.20	-1.563
Std Dev	1.19	-1.000
24	1.18	-0.670
275	1.18	-0.670
14	1.18	-0.447
14	1.18	-0.447
32	1.18	-0.447
34	1.17	0.000

61	1.17	0.000
275	1.17	0.000
Median	1.17	0.000
61	1.16	0.223
111	1.16	0.223
32	1.16	0.447
Std Dev	1.14	1.000
9	1.14	1.117
9	1.14	1.117
31	1.11	2.457
43	1.11	2.680
43	1.11	2.680

241.99 Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Other
330	1.36	-0.553
330	1.36	-0.510
Median	1.30	0.000
220	1.24	0.510
Std Dev	1.18	1.000
219	1.09	1.744

241.XX Acid Soluble Iron		
Lab	%Fe <sub>2</sub> O <sub>3</sub>	Total Method
330	1.36	-5.223
330	1.36	-5.085
23	1.28	-2.886
23	1.27	-2.749
220	1.24	-1.787
Std Dev	1.21	-1.000
24	1.20	-0.825
219	1.20	-0.825
24	1.18	-0.275
275	1.18	-0.275
14	1.18	-0.137
14	1.18	-0.137
32	1.18	-0.137
Median	1.17	0.000
34	1.17	0.137
61	1.17	0.137
275	1.17	0.137
61	1.16	0.275
111	1.16	0.275
32	1.16	0.412

9	1.14	0.825
9	1.14	0.825
Std Dev	1.13	1.000
31	1.11	1.649
43	1.11	1.787
43	1.11	1.787
219	1.09	2.199

251.00 Total Lead		
Lab		Atomic Absorbtion
330	1.00	-1.340
Std Dev	0.90	-1.000
Median	0.59	0.000
Std Dev	0.28	1.000
330	0.18	1.340

251.30 Total Lead		
Lab	PPM	ICP
18	3.50	-1.273
Std Dev	3.12	-1.000
43	2.55	-0.590
43	2.45	-0.518
335	1.91	-0.130
Median	1.73	0.000
31	1.55	0.130
61	0.65	0.777
61	0.50	0.885
Std Dev	0.34	1.000
340	0.10	1.173

251.99 Total Lead		
Lab		Other
24	1.23	0.000
Median	1.23	0.000

251.XX Total Lead		
Lab	PPM	Total Method
18	3.50	-1.895
43	2.55	-1.102
43	2.45	-1.019
Std Dev	2.43	-1.000
335	1.91	-0.568
31	1.55	-0.267
24	1.23	0.000

Median	1.23	0.000
330	1.00	0.192
61	0.65	0.484
61	0.50	0.609
330	0.18	0.881
340	0.10	0.943

261.30 Acid Soluble Manganese		
Lab		ICP
330	225.00	-2.537
Std Dev	198.61	-1.000
31	181.45	0.000
Median	181.45	0.000
111	179.00	0.143

261.99 Acid Soluble Manganese		
Lab	PPM	Other
43	189.50	-0.989
43	189.00	-0.937
61	184.00	-0.416
61	180.00	0.000
Median	180.00	0.000
24	177.00	0.312
Std Dev	170.39	1.000
18	170.25	1.015
18	169.35	1.108

261.XX Acid Soluble Manganese		
Lab	PPM	Total Method
330	225.00	-5.788
43	189.50	-1.147
43	189.00	-1.082
Std Dev	188.37	-1.000
61	184.00	-0.428
31	181.45	-0.095
Median	180.73	0.000
61	180.00	0.095
111	179.00	0.226
24	177.00	0.487
Std Dev	173.08	1.000
18	170.25	1.369
18	169.35	1.487

271.99 Water Soluble Manganese		
Lab		Other
219	187.15	-1.340
Std Dev	186.79	-1.000
Median	185.75	0.000
Std Dev	184.71	1.000
219	184.35	1.340

271.XX Water Soluble Manganese		
Lab	PPM	Total Method
219	187.15	-1.340
Std Dev	186.79	-1.000
Median	185.75	0.000
Std Dev	184.71	1.000
219	184.35	1.340

281.30 Total Mercury		
Lab	PPM	ICP
24	<0.001	0.000
335	0.04	0.000
Median	0.04	0.000

281.XX Total Mercury		
Lab	PPM	Total Method
24	<0.001	0.000
335	0.04	0.000
Median	0.04	0.000

289.30 Total Molybdenum		
Lab	PPM	ICP
340	25.00	-1.683
Std Dev	22.77	-1.000

289.99 Total Molybdenum		
Lab	PPM	Other
24	22.30	0.000
Median	22.30	0.000

289.XX Total Molybdenum		
Lab	PPM	Total Method
340	25.00	-1.482
Std Dev	23.46	-1.000
18	23.05	-0.874
18	23.05	-0.874
64	22.81	-0.799

24	22.30	-0.640
111	21.00	-0.234
Median	20.25	0.000
61	19.50	0.234
43	18.65	0.499
43	18.60	0.515
61	18.50	0.546
Std Dev	17.04	1.000
31	16.65	1.123
330	0.00	6.318

291.30 Total Nickel		
Lab		ICP
340	351.00	-9.922
335	334.48	-7.993
Std Dev	274.57	-1.000

291.99 Total Nickel		
Lab	PPM	Other
24	262.00	-1.340
Std Dev	256.99	-1.000
Median	242.25	0.000
Std Dev	227.51	1.000
111	222.50	1.340

291.XX Total Nickel		
Lab	PPM	Total Method
340	351.00	-7.932
335	334.48	-6.390
Std Dev	276.72	-1.000
31	274.10	-0.756
64	273.41	-0.691
43	268.50	-0.233
43	266.00	0.000
61	266.00	0.000
Median	266.00	0.000
61	265.50	0.047
24	262.00	0.373
18	259.05	0.649
18	257.80	0.765
Std Dev	255.28	1.000
111	222.50	4.059
330	3.00	24.542

301.30 Total Selenium		
Lab	PPM	ICP
18	0.65	-2.586
24	0.49	-1.834
Std Dev	0.31	-1.000
61	0.15	-0.235
61	0.10	0.000
Median	0.10	0.000
18	0.06	0.188
335	0.01	0.423
111	0.00	0.470

301.99 Total Selenium		
Lab	PPM	Other
140	1.19	0.000
Median	1.19	0.000

301.XX Total Selenium		
Lab	PPM	Total Method
140	1.19	-2.944
18	0.65	-1.458
24	0.49	-1.014
Std Dev	0.49	-1.000
61	0.15	-0.069
Median	0.13	0.000
61	0.10	0.069
18	0.06	0.181
335	0.01	0.319
111	0.00	0.347

311.00 Sodium		
Lab	%Na <sub>2</sub> O	Atomic Absorbtion
330	0.32	0.000
330	0.32	0.000
Median	0.32	0.000

311.99 Sodium		
Lab	%Na <sub>2</sub> O	Other
340	1.30	-207.253
24	0.16	-3.573
24	0.15	-1.787
Std Dev	0.15	-1.000
23	0.14	0.000
23	0.14	0.000

61	0.14	0.000
61	0.14	0.000
111	0.14	0.000
Median	0.14	0.000
31	0.14	0.893
Std Dev	0.13	1.000
43	0.11	6.253
43	0.10	6.611

311.XX Sodium		
Lab	%Na <sub>2</sub> O	Total Method
340	1.30	-77.720
330	0.32	-11.725
330	0.32	-11.725
24	0.16	-1.340
Std Dev	0.15	-1.000
24	0.15	-0.670
23	0.14	0.000
23	0.14	0.000
61	0.14	0.000
61	0.14	0.000
111	0.14	0.000
Median	0.14	0.000
31	0.14	0.335
Std Dev	0.13	1.000
43	0.11	2.345
43	0.10	2.479

321.00 Acid Soluble Zinc		
Lab		Atomic Absorption
219	2011.50	0.000
Median	2011.50	0.000

321.30 Acid Soluble Zinc		
Lab	PPM	ICP
275	2249.10	-1.894
275	2243.15	-1.854
Std Dev	2115.38	-1.000
61	2040.00	-0.496
61	2035.50	-0.466
31	2021.50	-0.373
Median	1965.75	0.000
18	1910.00	0.373
18	1896.50	0.463

24	1819.00	0.981
Std Dev	1816.12	1.000
64	202.00	11.788
111	12.50	13.054

321.99		
Lab	Acid Soluble Zinc	
	Other	
330	2227.50	-0.742
330	2130.00	-0.445
219	1984.00	0.000
Median	1984.00	0.000
43	1690.00	0.895
43	1675.50	0.940

321.XX		
Lab	PPM	Acid Soluble Zinc Total Method
275	2249.10	-1.221
275	2243.15	-1.193
330	2227.50	-1.116
Std Dev	2203.53	-1.000
330	2130.00	-0.643
61	2040.00	-0.205
61	2035.50	-0.183
31	2021.50	-0.115
219	2011.50	-0.067
Median	1997.75	0.000
219	1984.00	0.067
18	1910.00	0.426
18	1896.50	0.492
24	1819.00	0.869
Std Dev	1791.97	1.000
43	1690.00	1.496
43	1675.50	1.566
64	202.00	8.726
111	12.50	9.647

325.10		
Lab	%	Fluoride Electrode
111	1.96	-5.045
220	1.62	-1.471
24	1.56	-0.841
32	1.56	-0.841
79	1.56	-0.841
23	1.50	-0.158

32	1.49	-0.053
23	1.48	0.000
Median	1.48	0.000
14	1.45	0.315
275	1.45	0.368
24	1.44	0.420
31	1.43	0.578
275	1.42	0.683
14	1.41	0.788
34	1.38	1.088

325.99		
Lab	%	Fluoride Other
61	1.57	-0.443
9	1.54	-0.242
9	1.54	-0.202
Median	1.51	0.000
61	1.49	0.202
330	1.34	1.411
330	1.34	1.411

325.XX		
Lab	%	Fluoride Total Method
111	1.96	-4.715
220	1.62	-1.340
61	1.57	-0.794
24	1.56	-0.744
32	1.56	-0.744
79	1.56	-0.744
9	1.54	-0.546
9	1.54	-0.496
23	1.50	-0.099
32	1.49	0.000
61	1.49	0.000
Median	1.49	0.000
23	1.48	0.050
14	1.45	0.347
275	1.45	0.397
24	1.44	0.447
31	1.43	0.596
275	1.42	0.695
14	1.41	0.794
34	1.38	1.077
330	1.34	1.489

330 1.34 1.489