

# AFPC Rock Check Program

Sample No. 2013-09

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	30	0.90	0.035
Other (describe)	102	1	0.68	
<b>Method Group 100</b>		<b>31</b>	<b>0.90</b>	<b>0.04</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	3	31.42	0.149
ICP-induced coupled plasma AFPC IX.3.D	202	6	31.52	0.124
Photometric-AFPC IX.3.C	203	17	31.43	0.157
Automated -AOAC 978.01-15th	204	11	31.37	0.155
Other(describe)	205	1	31.60	0.000
<b>Method Group 200</b>		<b>38</b>	<b>31.47</b>	<b>0.16</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	31.81	0.102
ICP-induced coupled plasma AFPC IX.3.D	212	6	31.82	0.124
Photometric-AFPC IX.3.C	213	12	31.69	0.169
Automated -AOAC 978.01-15th	214	11	31.68	0.167
Other(describe)	215			
<b>Method Group 210</b>		<b>31</b>	<b>31.71</b>	<b>0.17</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.95	0.067
ICP-induced coupled plasma-AFPC IX.6.C	302	31	0.94	0.049
Other(describe)	303	3	1.32	0.093
<b>Method Group 300</b>		<b>36</b>	<b>0.95</b>	<b>0.06</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	1.49	0.041
ICP-induced coupled plasma-AFPC IX.7.C	402	31	1.29	0.078
Other(describe)	403	3	1.83	0.119
<b>Method Group 400</b>		<b>36</b>	<b>1.29</b>	<b>0.12</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	4	0.39	0.013
ICP-induced coupled plasma-AFPC IX.8.B	502	28	0.40	0.015
Other(describe)	503	3	0.38	0.022
<b>Method Group 500</b>		<b>35</b>	<b>0.40</b>	<b>0.01</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	23	7.37	0.144
Other(describe)	602	4	7.26	0.840
<b>Method Group 600</b>		<b>27</b>	<b>7.35</b>	<b>0.16</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	15	3.74	0.254
Other(describe)	652	6	3.53	2.532
<b>Method Group 650</b>		<b>21</b>	<b>3.73</b>	<b>0.34</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	20	45.82	0.515
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	45.15	0.000
EDTA Volumetric-AFPC IX.12.C	705	5	45.92	0.866
Other(describe)	706	10	46.09	0.497
<b>Method Group 700</b>		<b>36</b>	<b>45.88</b>	<b>0.55</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	15	46.26	0.211
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	45.52	0.000
EDTA Volumetric-AFPC IX.12.C	715	5	46.33	0.942
Other(describe)	716	9	46.45	0.092
<b>Method Group 710</b>		<b>29</b>	<b>46.39</b>	<b>0.30</b>

	Method #	# of Anal.	Grand Median	Std Dev
<b>Fluorine, F</b>				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	21	3.59	0.134
Other (describe)	803	3	3.62	0.045
<b>Method Group 800</b>		<b>24</b>	<b>3.60</b>	<b>0.13</b>
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	9	7.0	2.86
Other(describe)	913	2	7.6	0.41
<b>Method Group 900</b>		<b>11</b>	<b>7.0</b>	<b>2.59</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	27	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	14	6	1.1
Other(describe)	923	1	3	0.0
<b>Method Group 910</b>		<b>16</b>	<b>6</b>	<b>1.2</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	13	4	1.2
Other(describe)	933	1	4	0.0
<b>Method Group 920</b>		<b>14</b>	<b>4</b>	<b>1.2</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	5	0.1	0.12
Other(describe)	943	1	0.7	0.00
<b>Method Group 930</b>		<b>6</b>	<b>0.1</b>	<b>0.23</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	58	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	8	6	2.1
Other(describe)	953	1	7	0.0
<b>Method Group 940</b>		<b>10</b>	<b>6</b>	<b>1.8</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	36	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	13	26	3.9
Other(describe)	963	3	28	3.3
<b>Method Group 950</b>		<b>17</b>	<b>26</b>	<b>3.4</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	12	10	2.9
Other(describe)	973	1	11	0.0
<b>Method Group 960</b>		<b>13</b>	<b>10</b>	<b>2.9</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	2	1.5
Other(describe)	983	1	3	0.0
<b>Method Group 970</b>		<b>6</b>	<b>2</b>	<b>1.6</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	123	0
ICP-induced coupled plasma-AFPC IX.16.A	992	13	81	13
Other(describe)	993	3	75	9
<b>Method Group 980</b>		<b>17</b>	<b>81</b>	<b>15</b>

101 Ground Sample AFPC IX.2.A		
Lab	%	H <sub>2</sub> O
266	1.10	-5.713
21	0.97	-2.045
26	0.96	-1.763
10	0.96	-1.622
21	0.95	-1.481
15	0.95	-1.340
24	0.94	-1.199
<b>Std Dev</b>	<b>0.93</b>	<b>-1.000</b>
15	0.92	-0.494
13	0.91	-0.353
49	0.91	-0.353
275	0.91	-0.353
10	0.91	-0.212
75	0.91	-0.212
13	0.90	-0.071
16	0.90	-0.071
<b>Median</b>	<b>0.90</b>	<b>0.000</b>
16	0.90	0.071
6	0.89	0.212
9	0.89	0.212
9	0.89	0.212
275	0.89	0.212
75	0.88	0.635
61	0.87	0.776
24	0.87	0.917
<b>Std Dev</b>	<b>0.86</b>	<b>1.000</b>
35	0.84	1.622
6	0.82	2.186
241	0.81	2.468
61	0.74	4.443
35	0.71	5.289
77	0.47	12.060
77	0.11	22.216

  

102 Other (describe)		
Lab	%	H <sub>2</sub> O
55	0.68	0.000
<b>Median</b>	<b>0.68</b>	<b>0.000</b>

  

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
77	31.80	-2.546

<b>Std Dev</b>	<b>31.57</b>	<b>-1.000</b>
241	31.42	0.000
<b>Median</b>	<b>31.42</b>	<b>0.000</b>
55	31.40	0.134

  

202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
266	33.46	-15.617
<b>Std Dev</b>	<b>31.65</b>	<b>-1.000</b>
10	31.64	-0.907
16	31.54	-0.141
<b>Median</b>	<b>31.52</b>	<b>0.000</b>
10	31.51	0.141
16	31.43	0.786
<b>Std Dev</b>	<b>31.40</b>	<b>1.000</b>
6	31.31	1.713

  

203 Photometric-AFPC IX.3.C		
Lab	%	P2O5
270	32.09	-4.227
55	31.87	-2.808
45	31.60	-1.085
<b>Std Dev</b>	<b>31.59</b>	<b>-1.000</b>
9	31.58	-0.957
49	31.57	-0.893
9	31.56	-0.830
35	31.52	-0.574
92	31.50	-0.447
35	31.43	0.000
<b>Median</b>	<b>31.43</b>	<b>0.000</b>
6	31.40	0.191
92	31.40	0.191
26	31.38	0.351
275	31.36	0.447
45	31.31	0.766
<b>Std Dev</b>	<b>31.27</b>	<b>1.000</b>
275	31.26	1.085
61	31.20	1.468
61	31.10	2.106

  

204 Automated -AOAC 978.01-15th		
Lab	%	P2O5
15	31.82	-2.874
15	31.80	-2.777

13	31.57	-1.292
24	31.54	-1.066
<b>Std Dev</b>	<b>31.52</b>	<b>-1.000</b>
24	31.52	-0.936
21	31.37	0.000
21	31.37	0.000
<b>Median</b>	<b>31.37</b>	<b>0.000</b>
75	31.35	0.129
77	31.34	0.194
75	31.32	0.355
13	31.27	0.646

  

205 Other(describe)		
Lab	%	P2O5
19	31.60	0.000
<b>Median</b>	<b>31.60</b>	<b>0.000</b>

  

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	31.95		-1.340
<b>Std Dev</b>	<b>31.92</b>	<b>-1.000</b>	
<b>Median</b>	<b>31.81</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>31.71</b>	<b>1.000</b>	
241	31.68		1.340

  

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	33.83		-16.286
<b>Std Dev</b>	<b>31.94</b>	<b>-1.000</b>	
10	31.92		-0.859
16	31.83		-0.071
<b>Median</b>	<b>31.82</b>	<b>0.000</b>	
10	31.81		0.071
16	31.71		0.880
<b>Std Dev</b>	<b>31.69</b>	<b>1.000</b>	
6	31.57		2.011

  

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
55	32.09		-2.363
9	31.86		-1.033
49	31.86		-1.011
<b>Std Dev</b>	<b>31.86</b>	<b>-1.000</b>	
9	31.84		-0.913

35	31.75	-0.333
35	31.70	-0.042
<b>Median</b>	<b>31.69</b>	<b>0.000</b>
6	31.68	0.042
26	31.68	0.059
275	31.65	0.243
275	31.54	0.878
<b>Std Dev</b>	<b>31.52</b>	<b>1.000</b>
61	31.43	1.518
61	31.37	1.872

  

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	32.11		-2.592
15	32.10		-2.559
13	31.86		-1.097
<b>Std Dev</b>	<b>31.84</b>	<b>-1.000</b>	
24	31.81		-0.821
24	31.81		-0.798
21	31.68		0.000
<b>Median</b>	<b>31.68</b>	<b>0.000</b>	
21	31.67		0.038
75	31.63		0.303
75	31.60		0.458
13	31.55		0.740
<b>Std Dev</b>	<b>31.51</b>	<b>1.000</b>	
77	31.37		1.818

  

215 Other(describe)			
Lab	%	P2O5	dB
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	

  

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
241	1.04	-1.340
<b>Std Dev</b>	<b>1.02</b>	<b>-1.000</b>
<b>Median</b>	<b>0.95</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.88</b>	<b>1.000</b>
55	0.86	1.340

  

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
266	1.16	-4.535
61	1.04	-2.062

15	1.01	-1.340
15	1.01	-1.340
61	1.00	-1.216
75	1.00	-1.166
6	0.99	-1.031
<b>Std Dev</b>	<b>0.99</b>	<b>-1.000</b>
6	0.98	-0.825
92	0.98	-0.825
270	0.97	-0.618
75	0.97	-0.551
92	0.96	-0.412
9	0.95	-0.206
45	0.95	-0.206
9	0.94	0.000
13	0.94	0.000
16	0.94	0.000
<b>Median</b>	<b>0.94</b>	<b>0.000</b>
10	0.94	0.103
10	0.93	0.206
16	0.93	0.206
45	0.93	0.206
49	0.93	0.206
13	0.92	0.412
21	0.91	0.618
<b>Std Dev</b>	<b>0.89</b>	<b>1.000</b>
24	0.85	1.855
275	0.83	2.268
35	0.82	2.474
275	0.81	2.680
24	0.81	2.783
21	0.80	2.886
35	0.79	3.092

303 Other(describe)		
Lab	%	Fe2O3
77	1.32	0.000
77	1.32	0.000
<b>Median</b>	<b>1.32</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.23</b>	<b>1.000</b>
19	1.07	2.680

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.54	-1.340

<b>Std Dev</b>	<b>1.53</b>	<b>-1.000</b>
<b>Median</b>	<b>1.49</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.44</b>	<b>1.000</b>
241	1.43	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.70	-5.296
35	1.57	-3.637
35	1.53	-3.127
61	1.45	-2.042
61	1.44	-1.978
92	1.42	-1.723
21	1.38	-1.212
92	1.38	-1.212
275	1.37	-1.085
275	1.37	-1.085

<b>Std Dev</b>	<b>1.36</b>	<b>-1.000</b>
9	1.30	-0.128
75	1.29	-0.112
15	1.29	-0.064
16	1.29	-0.064
49	1.29	-0.064
270	1.29	0.000
<b>Median</b>	<b>1.29</b>	<b>0.000</b>
6	1.28	0.064
10	1.28	0.064
10	1.28	0.064
16	1.28	0.064
15	1.28	0.128
24	1.28	0.128
6	1.27	0.191
9	1.27	0.191
13	1.27	0.191
13	1.26	0.319
45	1.25	0.447
75	1.24	0.533
24	1.21	0.957
45	1.21	0.957
<b>Std Dev</b>	<b>1.21</b>	<b>1.000</b>
21	1.16	1.659

403 Other(describe)		
Lab	%	Al2O3

77	1.85	-0.168
77	1.83	0.000
<b>Median</b>	<b>1.83</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.71</b>	<b>1.000</b>
19	1.53	2.513

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
241	0.41	-1.531
<b>Std Dev</b>	<b>0.40</b>	<b>-1.000</b>
35	0.39	0.000
35	0.39	0.000
<b>Median</b>	<b>0.39</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.38</b>	<b>1.000</b>
55	0.34	3.829

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
92	0.46	-4.020
92	0.44	-2.680
61	0.43	-2.010
13	0.42	-1.340
<b>Std Dev</b>	<b>0.41</b>	<b>-1.000</b>
16	0.41	-0.670
13	0.41	-0.670
16	0.41	-0.670
21	0.41	-0.670
24	0.41	-0.670
275	0.41	-0.670
10	0.41	-0.335
10	0.41	-0.335
6	0.40	0.000
9	0.40	0.000
15	0.40	0.000
15	0.40	0.000
49	0.40	0.000
<b>Median</b>	<b>0.40</b>	<b>0.000</b>
9	0.40	0.335
6	0.39	0.670
24	0.39	0.670
45	0.39	0.670
45	0.39	0.670
275	0.39	0.670
<b>Std Dev</b>	<b>0.39</b>	<b>1.000</b>

75	0.38	1.500
21	0.38	1.675
270	0.37	2.332
75	0.36	2.622
266	0.36	2.680

503 Other(describe)		
Lab	%	MgO
19	0.39	-0.447
77	0.38	0.000
<b>Median</b>	<b>0.38</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.36</b>	<b>1.000</b>
77	0.33	2.233

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
45	7.98	-4.281
16	7.53	-1.149
24	7.52	-1.079
<b>Std Dev</b>	<b>7.51</b>	<b>-1.000</b>
10	7.51	-0.975
13	7.50	-0.940
9	7.49	-0.870
21	7.49	-0.870
49	7.47	-0.731
10	7.46	-0.661
16	7.45	-0.592
45	7.41	-0.313
24	7.37	0.000
<b>Median</b>	<b>7.37</b>	<b>0.000</b>
21	7.35	0.104
35	7.34	0.174
13	7.32	0.313
15	7.32	0.313
9	7.31	0.418
15	7.29	0.522
6	7.24	0.870
55	7.24	0.870
<b>Std Dev</b>	<b>7.22</b>	<b>1.000</b>
6	7.19	1.218
35	7.10	1.845
26	7.09	1.949

602 Other(describe)			
Lab	%	Al	
275	7.44		-0.220
275	7.31		-0.066
<b>Median</b>	<b>7.26</b>		<b>0.000</b>
19	7.20		0.066
<b>Std Dev</b>	<b>6.42</b>		<b>1.000</b>
266	3.27		4.747

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
13	4.98		-4.907
61	4.60		-3.409
61	4.55		-3.212
6	4.01		-1.084
<b>Std Dev</b>	<b>3.99</b>		<b>-1.000</b>
6	3.93		-0.769
49	3.83		-0.374
15	3.75		-0.039
15	3.74		0.000
<b>Median</b>	<b>3.74</b>		<b>0.000</b>
13	3.73		0.020
21	3.70		0.138
21	3.68		0.236
24	3.59		0.591
77	3.58		0.611
9	3.56		0.690
9	3.56		0.690

652 Other(describe)			
Lab	%	CO2	
35	8.10		-1.807
35	8.01		-1.772
<b>Std Dev</b>	<b>6.06</b>		<b>-1.000</b>
266	3.53		-0.002
<b>Median</b>	<b>3.53</b>		<b>0.000</b>
55	3.52		0.002
275	3.49		0.014
275	3.48		0.018

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
92	48.30		-4.821
92	48.04		-4.316
61	47.00		-2.296
75	46.63		-1.572
<b>Std Dev</b>	<b>46.33</b>		<b>-1.000</b>
6	46.09		-0.529
49	46.04		-0.432
6	46.01		-0.374
21	45.95		-0.257
10	45.85		-0.053
10	45.83		-0.024
<b>Median</b>	<b>45.82</b>		<b>0.000</b>
9	45.81		0.024
16	45.78		0.073
9	45.78		0.083
16	45.69		0.248
21	45.55		0.519
<b>Std Dev</b>	<b>45.30</b>		<b>1.000</b>
75	44.80		1.976
270	44.20		3.139
45	42.89		5.685
45	42.81		5.841
61	42.24		6.948

703 Ceric Sulfate volumetric-AFPC IX.12.B			
Lab	%	CaO	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

704 Permanganate			
Lab	%	CaO	
241	45.15		0.000
<b>Median</b>	<b>45.15</b>		<b>0.000</b>

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	49.02		-3.581
<b>Std Dev</b>	<b>46.79</b>		<b>-1.000</b>
275	46.56		-0.739
275	45.92		0.000
<b>Median</b>	<b>45.92</b>		<b>0.000</b>
35	45.40		0.601
<b>Std Dev</b>	<b>45.05</b>		<b>1.000</b>

35	44.81		1.282
706 Other(describe)			
Lab	%	CaO	
55	47.73		-3.303
<b>Std Dev</b>	<b>46.58</b>		<b>-1.000</b>
24	46.47		-0.759
77	46.40		-0.629
77	46.20		-0.226
15	46.12		-0.055
<b>Median</b>	<b>46.09</b>		<b>0.000</b>
15	46.06		0.055
24	46.03		0.126
<b>Std Dev</b>	<b>45.59</b>		<b>1.000</b>
13	45.57		1.041
13	45.51		1.162
19	45.50		1.182

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
61	47.41		-5.451
75	47.05		-3.744
6	46.50		-1.140
<b>Std Dev</b>	<b>46.47</b>		<b>-1.000</b>
49	46.46		-0.945
21	46.39		-0.603
6	46.39		-0.601
10	46.27		-0.039
10	46.26		0.000
<b>Median</b>	<b>46.26</b>		<b>0.000</b>
9	46.22		0.225
16	46.20		0.322
9	46.19		0.368
16	46.10		0.764
<b>Std Dev</b>	<b>46.05</b>		<b>1.000</b>
21	46.00		1.269
75	45.20		5.068
61	42.55		17.597

713 Ceric Sulfate volumetric-AFPC IX.12.B			
Lab	%	CaO	dB
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

714 Permanganate			
Lab	%	CaO	dB
241	45.52		0.000
<b>Median</b>	<b>45.52</b>		<b>0.000</b>

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	49.57		-3.430
<b>Std Dev</b>	<b>47.27</b>		<b>-1.000</b>
275	46.99		-0.695
275	46.33		0.000
<b>Median</b>	<b>46.33</b>		<b>0.000</b>
35	45.72		0.645
<b>Std Dev</b>	<b>45.39</b>		<b>1.000</b>
35	45.19		1.212

716 Other(describe)			
Lab	%	CaO	dB
55	48.06		-17.538
24	46.91		-4.968
<b>Std Dev</b>	<b>46.54</b>		<b>-1.000</b>
15	46.54		-0.980
15	46.50		-0.528
77	46.45		0.000
<b>Median</b>	<b>46.45</b>		<b>0.000</b>
24	46.43		0.268
77	46.42		0.360
<b>Std Dev</b>	<b>46.36</b>		<b>1.000</b>
13	45.98		5.103
13	45.93		5.714

801 Volumetric-AFPC IX.14.A			
Lab	%	Fluorine, F	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

802 Specific Ion Electrode-AFPC IX.14.B			
Lab	%	Fluorine, F	
35	3.83		-1.787
26	3.75		-1.154
<b>Std Dev</b>	<b>3.72</b>		<b>-1.000</b>

270	3.70	-0.819
21	3.70	-0.782
9	3.67	-0.558
35	3.66	-0.521
49	3.65	-0.447
6	3.64	-0.372
9	3.62	-0.186
275	3.61	-0.149
13	3.59	0.000
<b>Median</b>	<b>3.59</b>	<b>0.000</b>
21	3.55	0.335
13	3.53	0.447
266	3.52	0.521
275	3.49	0.744
15	3.48	0.819
24	3.47	0.931
24	3.47	0.931
<b>Std Dev</b>	<b>3.46</b>	<b>1.000</b>
15	3.43	1.228
75	3.28	2.345
75	2.89	5.211

803 Other( describe)		
Lab	%	Fluorine, F
77	3.70	-1.787
<b>Std Dev</b>	<b>3.66</b>	<b>-1.000</b>
77	3.62	0.000
<b>Median</b>	<b>3.62</b>	<b>0.000</b>
19	3.58	0.893

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
6	11.1	-1.434
<b>Std Dev</b>	<b>9.9</b>	<b>-1.000</b>
270	8.6	-0.542
61	7.8	-0.290
266	7.1	-0.035
77	7.0	0.000
<b>Median</b>	<b>7.0</b>	<b>0.000</b>
35	5.0	0.700

<b>Std Dev</b>	<b>4.1</b>	<b>1.000</b>
35	4.0	1.050
24	3.1	1.364
61	1.4	1.952

913 Other(describe)		
Lab	ppm	Arsenic, As
13	8.1	-1.340
<b>Std Dev</b>	<b>8.0</b>	<b>-1.000</b>
<b>Median</b>	<b>7.6</b>	<b>0.000</b>
<b>Std Dev</b>	<b>7.1</b>	<b>1.000</b>
77	7.0	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	27	0.000
<b>Median</b>	<b>27</b>	<b>0.000</b>

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
270	6	-0.759
75	6	-0.379
75	6	-0.379
77	6	-0.379
77	6	-0.379
275	6	-0.379
275	6	-0.379
<b>Median</b>	<b>6</b>	<b>0.000</b>
6	5	0.379
35	5	0.569
35	5	0.569
<b>Std Dev</b>	<b>5</b>	<b>1.000</b>
61	4	1.091
266	4	1.508
61	4	1.651
24	3	2.229

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	3	0.000
<b>Median</b>	<b>3</b>	<b>0.000</b>

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co

<b>Median</b>	<b>0</b>	<b>0.000</b>
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932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
270	5	-0.963
6	5	-0.854
35	5	-0.838
77	5	-0.838
77	5	-0.838
35	4	0.000
75	4	0.000
75	4	0.000
<b>Median</b>	<b>4</b>	<b>0.000</b>
24	3	0.461
61	3	0.503
61	3	0.620
<b>Std Dev</b>	<b>3</b>	<b>1.000</b>
266	3	1.089
24	1	2.178

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	4	0.000
<b>Median</b>	<b>4</b>	<b>0.000</b>

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
35	0.4	-2.446
<b>Std Dev</b>	<b>0.2</b>	<b>-1.000</b>
270	0.2	-0.436
266	0.1	0.000
<b>Median</b>	<b>0.1</b>	<b>0.000</b>
61	0.0	0.905
61	0.0	0.905

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	0.7	0.000
<b>Median</b>	<b>0.7</b>	<b>0.000</b>

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	58	0.000
<b>Median</b>	<b>58</b>	<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
61	8	-1.305
<b>Std Dev</b>	<b>8</b>	<b>-1.000</b>
6	7	-0.446
61	6	-0.345
270	6	-0.014
<b>Median</b>	<b>6</b>	<b>0.000</b>
266	6	0.014
77	4	0.849
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>
77	3	1.329
24	3	1.545

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	7	0.000
<b>Median</b>	<b>7</b>	<b>0.000</b>

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	36	0.000
<b>Median</b>	<b>36</b>	<b>0.000</b>

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
75	28	-0.513
6	27	-0.154
270	27	-0.128
61	26	-0.056
75	26	0.000
77	26	0.000
77	26	0.000
<b>Median</b>	<b>26</b>	<b>0.000</b>
61	23	0.809
<b>Std Dev</b>	<b>22</b>	<b>1.000</b>
35	22	1.027
35	21	1.284
266	14	3.106

24	7	4.993
24	6	5.101

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	31	-0.903
19	28	0.000
Median	28	0.000
Std Dev	25	1.000
13	22	1.777

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
Median	0	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
266	16	-2.083
Std Dev	12	-1.000
61	12	-0.901
35	12	-0.854
6	12	-0.819
270	12	-0.683
35	10	-0.171
Median	10	0.000
77	9	0.171
275	9	0.171
77	8	0.512
275	8	0.512
24	8	0.632
Std Dev	7	1.000
61	6	1.038

973 Other(describe)		
Lab	ppm	Lead, Pb
13	11	0.000
Median	11	0.000

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
Median	0	0.000

982 ICP-induc coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se

266	3	-0.603
77	2	0.000
77	2	0.000
Median	2	0.000
Std Dev	1	1.000
61	0	1.340
61	0	1.340

983 Other(describe)		
Lab	ppm	Selenium, Se
13	3	0.000
Median	3	0.000

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	123	0.000
Median	123	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
75	108	-2.041
24	105	-1.842
24	103	-1.711
75	97	-1.198
61	95	-1.059
Std Dev	94	-1.000
6	82	-0.096
61	81	0.000
Median	81	0.000
35	79	0.142
35	79	0.142
77	79	0.142
77	76	0.371
Std Dev	68	1.000
270	61	1.520
266	44	2.860

993 Other(describe)		
Lab	ppm	Zinc, Zn
19	94	-2.099
Std Dev	84	-1.000
13	75	0.000
Median	75	0.000
19	70	0.581