

# AFPC Rock Check Program

Sample No. 2013-12

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	32	0.84	0.122
Other (describe)	102			
<b>Method Group 100</b>		<b>32</b>	<b>0.84</b>	<b>0.12</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	3	29.06	0.179
ICP-induced coupled plasma AFPC IX.3.D	202	6	29.09	0.082
Photometric-AFPC IX.3.C	203	17	29.02	0.201
Automated -AOAC 978.01-15th	204	11	29.13	0.086
Other(describe)	205			
<b>Method Group 200</b>		<b>37</b>	<b>29.07</b>	<b>0.15</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	3	29.28	0.142
ICP-induced coupled plasma AFPC IX.3.D	212	5	29.39	0.095
Photometric-AFPC IX.3.C	213	10	29.33	0.296
Automated -AOAC 978.01-15th	214	11	29.37	0.081
Other(describe)	215			
<b>Method Group 210</b>		<b>29</b>	<b>29.35</b>	<b>0.11</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	3	1.13	0.054
ICP-induced coupled plasma-AFPC IX.6.C	302	29	1.17	0.022
Other(describe)	303	2	1.22	0.015
<b>Method Group 300</b>		<b>34</b>	<b>1.17</b>	<b>0.03</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	3	1.09	0.127
ICP-induced coupled plasma-AFPC IX.7.C	402	29	1.09	0.063
Other(describe)	403	2	1.29	0.015
<b>Method Group 400</b>		<b>34</b>	<b>1.09</b>	<b>0.07</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	7	0.69	0.030
ICP-induced coupled plasma-AFPC IX.8.B	502	27	0.77	0.032
Other(describe)	503	2	0.93	0.030
<b>Method Group 500</b>		<b>36</b>	<b>0.76</b>	<b>0.04</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	19	10.68	0.278
Other(describe)	602	4	10.63	0.375
<b>Method Group 600</b>		<b>23</b>	<b>10.68</b>	<b>0.28</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	11	3.88	0.146
Other(describe)	652	8	4.65	1.512
<b>Method Group 650</b>		<b>19</b>	<b>3.88</b>	<b>0.44</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	22	43.50	0.671
Ceric Sulfate volumetric-AFPC IX.12.B	703	1	43.80	0.000
Permanganate	704	3	43.28	0.519
EDTA Volumetric-AFPC IX.12.C	705	5	43.80	0.963
Other(describe)	706	7	42.95	0.918
<b>Method Group 700</b>		<b>38</b>	<b>43.50</b>	<b>0.78</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	15	43.92	0.314
Ceric Sulfate volumetric-AFPC IX.12.B	713	1	43.98	0.000
Permanganate	714	2	43.10	0.375
EDTA Volumetric-AFPC IX.12.C	715	5	44.11	0.940
Other(describe)	716	7	43.31	1.001
<b>Method Group 710</b>		<b>29</b>	<b>43.92</b>	<b>0.71</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	23	3.37	0.179
Other (describe)	803	2	3.45	0.007
<b>Method Group 800</b>		<b>25</b>	<b>3.38</b>	<b>0.15</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	16.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	9	16.4	4.14
Other(describe)	913	2	12.0	0.41
<b>Method Group 900</b>		<b>12</b>	<b>14.5</b>	<b>3.74</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	2	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	14	3	0.3
Other(describe)	923	1	2	0.0
<b>Method Group 910</b>		<b>16</b>	<b>2</b>	<b>0.2</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	10	3	0.7
Other(describe)	933	1	4	0.0
<b>Method Group 920</b>		<b>12</b>	<b>3</b>	<b>1.0</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	1	0.9	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	1	0.1	0.00
Other(describe)	943	1	0.4	0.00
<b>Method Group 930</b>		<b>3</b>	<b>0.4</b>	<b>0.30</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	7	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	10	7	2.0
Other(describe)	953	1	8	0.0
<b>Method Group 940</b>		<b>12</b>	<b>7</b>	<b>1.4</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	14	11	0.3
Other(describe)	963	1	15	0.0
<b>Method Group 950</b>		<b>16</b>	<b>11</b>	<b>0.5</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	26	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	12	13	4.0
Other(describe)	973	1	15	0.0
<b>Method Group 960</b>		<b>14</b>	<b>14</b>	<b>4.2</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981	1	5	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	4	3	7.9
Other(describe)	983	1	3	0.0
<b>Method Group 970</b>		<b>6</b>	<b>4</b>	<b>2.2</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	38	8
ICP-induced coupled plasma-AFPC IX.16.A	992	14	34	4
Other(describe)	993	1	30	0
<b>Method Group 980</b>		<b>17</b>	<b>33</b>	<b>4</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
26	0.96		-0.941
26	0.95		-0.900
10	0.93		-0.736
75	0.92		-0.614
241	0.90		-0.491
16	0.89		-0.409
21	0.88		-0.286
24	0.88		-0.286
16	0.87		-0.245
21	0.87		-0.205
24	0.87		-0.205
10	0.86		-0.164
49	0.86		-0.164
75	0.86		-0.123
13	0.85		-0.041
9	0.84		0.000
<b>Median</b>	<b>0.84</b>		<b>0.000</b>
55	0.84		0.000
13	0.83		0.123
15	0.82		0.164
9	0.81		0.245
15	0.81		0.286
35	0.79		0.409
30	0.73		0.900
<b>Std Dev</b>	<b>0.72</b>		<b>1.000</b>
275	0.71		1.064
266	0.70		1.146
35	0.69		1.227
275	0.64		1.637
61	0.60		2.005
61	0.59		2.046
77	0.47		3.028
27	0.41		3.519
77	0.35		4.010

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	29.18		-0.670

241	29.06		0.000
<b>Median</b>	<b>29.06</b>		<b>0.000</b>
<b>Std Dev</b>	<b>28.88</b>		<b>1.000</b>
55	28.70		2.010

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
10	29.15		-0.731
10	29.14		-0.548
16	29.13		-0.487
<b>Median</b>	<b>29.09</b>		<b>0.000</b>
266	29.05		0.487
16	29.02		0.914
<b>Std Dev</b>	<b>29.01</b>		<b>1.000</b>
6	28.64		5.482

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	29.26		-1.216
<b>Std Dev</b>	<b>29.22</b>		<b>-1.000</b>
49	29.21		-0.968
35	29.18		-0.819
45	29.17		-0.769
9	29.16		-0.720
9	29.12		-0.496
92	29.04		-0.124
26	29.03		-0.050
78	29.02		0.000
<b>Median</b>	<b>29.02</b>		<b>0.000</b>
60	29.00		0.074
92	28.97		0.223
30	28.95		0.323
78	28.89		0.620
45	28.85		0.819
<b>Std Dev</b>	<b>28.81</b>		<b>1.000</b>
61	28.78		1.166
61	28.74		1.365
27	28.19		4.094

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
75	29.37		-2.855
75	29.27		-1.631
<b>Std Dev</b>	<b>29.21</b>		<b>-1.000</b>

13	29.20		-0.874
15	29.20		-0.874
24	29.19		-0.757
13	29.13		0.000
<b>Median</b>	<b>29.13</b>		<b>0.000</b>
15	29.11		0.175
21	29.10		0.291
24	29.07		0.641
<b>Std Dev</b>	<b>29.04</b>		<b>1.000</b>
77	28.97		1.806
21	28.96		1.923

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

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
241	29.32		-0.292
77	29.28		0.000
<b>Median</b>	<b>29.28</b>		<b>0.000</b>
<b>Std Dev</b>	<b>29.14</b>		<b>1.000</b>
55	28.94		2.388

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
10	29.41		-0.240
10	29.40		-0.181
16	29.39		0.000
<b>Median</b>	<b>29.39</b>		<b>0.000</b>
<b>Std Dev</b>	<b>29.29</b>		<b>1.000</b>
16	29.28		1.159
266	29.25		1.377

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	29.49		-0.554
49	29.46		-0.454
9	29.41		-0.264
35	29.38		-0.182
9	29.35		-0.081
<b>Median</b>	<b>29.33</b>		<b>0.000</b>
26	29.30		0.081
30	29.16		0.560

<b>Std Dev</b>	<b>29.03</b>		<b>1.000</b>
61	28.95		1.275
61	28.91		1.406
27	28.31		3.451

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
75	29.64		-3.395
75	29.52		-1.860
13	29.45		-1.011
<b>Std Dev</b>	<b>29.45</b>		<b>-1.000</b>
24	29.44		-0.959
15	29.44		-0.864
13	29.37		0.000
<b>Median</b>	<b>29.37</b>		<b>0.000</b>
21	29.35		0.166
15	29.35		0.206
24	29.33		0.504
<b>Std Dev</b>	<b>29.29</b>		<b>1.000</b>
21	29.22		1.879
77	29.11		3.228

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

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
30	1.27		-2.588
<b>Std Dev</b>	<b>1.18</b>		<b>-1.000</b>
60	1.13		0.000
<b>Median</b>	<b>1.13</b>		<b>0.000</b>
55	1.13		0.092

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	1.27		-4.467
35	1.24		-3.127
21	1.22		-2.010
21	1.20		-1.340
49	1.20		-1.340
266	1.20		-1.340
<b>Std Dev</b>	<b>1.19</b>		<b>-1.000</b>
75	1.19		-0.940

78	1.19	-0.893
15	1.19	-0.670
10	1.18	-0.447
15	1.18	-0.447
45	1.18	-0.447
45	1.18	-0.447
13	1.18	-0.223
10	1.17	0.000
16	1.17	0.000
61	1.17	0.000
Median	1.17	0.000
9	1.17	0.223
16	1.17	0.223
9	1.16	0.447
13	1.16	0.447
78	1.16	0.447
61	1.15	0.893
Std Dev	1.15	1.000
75	1.15	1.014
6	1.14	1.340
92	1.13	1.787
92	1.13	1.787
24	1.05	5.583
24	1.04	5.807

303 Other(describe)			
Lab	%	Fe2O3	
77	1.24		-1.340
Std Dev	1.23		-1.000
Median	1.22		0.000
Std Dev	1.21		1.000
77	1.20		1.340

401 Atomic Absorption-AFPC IX.6.B			
Lab	%	Al2O3	
55	1.37		-2.207
Std Dev	1.22		-1.000
241	1.09		0.000
Median	1.09		0.000
30	1.03		0.473

402 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Al2O3	
266	1.41		-5.115

78	1.40	-4.878
78	1.39	-4.720
61	1.27	-2.821
61	1.24	-2.426
45	1.15	-1.002
92	1.15	-1.002
Std Dev	1.15	-1.000
92	1.14	-0.844
35	1.13	-0.686
35	1.13	-0.686
21	1.11	-0.290
15	1.10	-0.211
15	1.10	-0.132
24	1.09	-0.053
75	1.09	0.000
Median	1.09	0.000
9	1.08	0.105
45	1.08	0.105
21	1.07	0.263
24	1.07	0.263
49	1.07	0.263
10	1.06	0.422
75	1.06	0.496
9	1.06	0.501
10	1.05	0.580
16	1.05	0.659
16	1.05	0.659
6	1.04	0.738
13	1.04	0.738
13	1.03	0.896

403 Other(describe)			
Lab	%	Al2O3	
77	1.31		-1.340
Std Dev	1.30		-1.000
Median	1.29		0.000
Std Dev	1.28		1.000
77	1.27		1.340

501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
27	0.75		-2.010
60	0.73		-1.340
Std Dev	0.72		-1.000

55	0.71	-0.670
35	0.69	0.000
241	0.69	0.000
Median	0.69	0.000
35	0.67	0.670
Std Dev	0.66	1.000
30	0.56	4.355

502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
92	0.86		-2.995
92	0.85		-2.680
21	0.81		-1.419
24	0.81		-1.419
78	0.81		-1.419
45	0.80		-1.104
45	0.80		-1.104
Std Dev	0.80		-1.000
21	0.80		-0.946
61	0.78		-0.473
13	0.78		-0.315
6	0.77		-0.158
10	0.77		-0.158
49	0.77		-0.158
61	0.77		0.000
Median	0.77		0.000
10	0.76		0.158
16	0.76		0.158
16	0.76		0.158
9	0.76		0.315
13	0.76		0.315
15	0.76		0.315
78	0.76		0.315
15	0.75		0.473
9	0.75		0.631
24	0.75		0.631
266	0.74		0.788
Std Dev	0.73		1.000
75	0.68		2.695
75	0.68		2.752

503 Other(describe)			
Lab	%	MgO	
77	0.97		-1.340

Std Dev	0.96	-1.000
Median	0.93	0.000
Std Dev	0.90	1.000
77	0.89	1.340

601 Insoluble-AFPC IX.4.A			
Lab	%	Al	
55	11.72		-3.759
45	11.25		-2.068
9	10.98		-1.079
15	10.96		-1.007
Std Dev	10.95		-1.000
15	10.91		-0.845
30	10.87		-0.701
13	10.83		-0.558
9	10.81		-0.468
26	10.76		-0.288
13	10.68		0.000
Median	10.68		0.000
45	10.60		0.270
16	10.57		0.378
35	10.55		0.450
16	10.53		0.540
10	10.51		0.594
21	10.51		0.594
10	10.42		0.917
Std Dev	10.40		1.000
21	10.39		1.043
35	10.38		1.061

602 Other(describe)			
Lab	%	Al	
266	12.00		-3.653
Std Dev	11.01		-1.000
49	10.71		-0.213
Median	10.63		0.000
275	10.55		0.213
275	10.47		0.427

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
21	4.31		-2.989
21	4.21		-2.268
Std Dev	4.02		-1.000

30	3.99	-0.790
49	3.97	-0.653
9	3.88	-0.034
13	3.88	0.000
<b>Median</b>	<b>3.88</b>	<b>0.000</b>
15	3.84	0.275
15	3.79	0.584
77	3.78	0.653
9	3.77	0.722
<b>Std Dev</b>	<b>3.73</b>	<b>1.000</b>
13	3.58	2.062

652 Other(describe)		
Lab	%	CO2
35	8.55	-2.578
35	8.00	-2.214
<b>Std Dev</b>	<b>6.16</b>	<b>-1.000</b>
78	4.97	-0.207
78	4.89	-0.157
<b>Median</b>	<b>4.65</b>	<b>0.000</b>
266	4.41	0.157
55	3.77	0.583
275	3.48	0.775
275	3.43	0.808

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	45.44	-2.898
92	45.42	-2.869
<b>Std Dev</b>	<b>44.17</b>	<b>-1.000</b>
21	44.10	-0.902
21	44.08	-0.864
9	43.98	-0.723
49	43.88	-0.574
9	43.80	-0.447
13	43.69	-0.291
10	43.66	-0.238
75	43.54	-0.067
13	43.53	-0.045
<b>Median</b>	<b>43.50</b>	<b>0.000</b>

10	43.47	0.045
16	43.46	0.060
16	43.36	0.201
45	43.36	0.201
75	43.08	0.621
78	42.92	0.857
<b>Std Dev</b>	<b>42.82</b>	<b>1.000</b>
45	42.80	1.036
78	42.69	1.207
6	42.39	1.647
61	39.29	6.273
61	39.07	6.601

703 Ceric Sulfate volumetric-AFPC IX.12.B		
Lab	%	CaO
27	43.80	0.000
<b>Median</b>	<b>43.80</b>	<b>0.000</b>

704 Permanganate		
Lab	%	CaO
60	43.60	-0.617
30	43.28	0.000
<b>Median</b>	<b>43.28</b>	<b>0.000</b>
<b>Std Dev</b>	<b>42.76</b>	<b>1.000</b>
241	42.21	2.063

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
275	44.10	-0.312
266	43.95	-0.156
275	43.80	0.000
<b>Median</b>	<b>43.80</b>	<b>0.000</b>
<b>Std Dev</b>	<b>42.84</b>	<b>1.000</b>
35	42.66	1.184
35	42.56	1.288

706 Other(describe)		
Lab	%	CaO
55	44.26	-1.427
24	43.92	-1.057
<b>Std Dev</b>	<b>43.87</b>	<b>-1.000</b>
24	43.69	-0.801
15	42.95	0.000
<b>Median</b>	<b>42.95</b>	<b>0.000</b>

15	42.85	0.114
77	42.30	0.708
77	42.30	0.708

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
21	44.49	-1.829	
21	44.46	-1.734	
9	44.34	-1.350	
49	44.26	-1.100	
<b>Std Dev</b>	<b>44.23</b>	<b>-1.000</b>	
9	44.17	-0.798	
10	44.06	-0.476	
13	44.05	-0.440	
75	43.92	0.000	
<b>Median</b>	<b>43.92</b>	<b>0.000</b>	
13	43.90	0.062	
10	43.84	0.234	
16	43.84	0.252	
16	43.75	0.529	
<b>Std Dev</b>	<b>43.60</b>	<b>1.000</b>	
75	43.48	1.401	
61	39.52	14.015	
61	39.30	14.714	

713 Ceric Sulfate volumetric-AFPC IX.12.B			
Lab	%	CaO	dB
27	43.98	0.000	
<b>Median</b>	<b>43.98</b>	<b>0.000</b>	

714 Permanganate			
Lab	%	CaO	dB
30	43.60	-1.340	
<b>Std Dev</b>	<b>43.47</b>	<b>-1.000</b>	
<b>Median</b>	<b>43.10</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>42.72</b>	<b>1.000</b>	
241	42.59	1.340	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB

275	44.38	-0.288
266	44.26	-0.156
275	44.11	0.000
<b>Median</b>	<b>44.11</b>	<b>0.000</b>
<b>Std Dev</b>	<b>43.17</b>	<b>1.000</b>
35	43.00	1.184
35	42.86	1.337

716 Other(describe)			
Lab	%	CaO	dB
55	44.63	-1.329	
24	44.31	-1.002	
<b>Std Dev</b>	<b>44.31</b>	<b>-1.000</b>	
24	44.07	-0.761	
15	43.31	0.000	
<b>Median</b>	<b>43.31</b>	<b>0.000</b>	
15	43.19	0.112	
77	42.50	0.805	
77	42.45	0.856	

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
9	3.59	-1.228
49	3.57	-1.117
35	3.56	-1.061
9	3.56	-1.061
<b>Std Dev</b>	<b>3.55</b>	<b>-1.000</b>
15	3.51	-0.754
15	3.49	-0.642
21	3.49	-0.642
21	3.46	-0.475
30	3.43	-0.335
27	3.42	-0.279
13	3.38	-0.056
266	3.37	0.000
<b>Median</b>	<b>3.37</b>	<b>0.000</b>
6	3.35	0.112
35	3.35	0.112
24	3.34	0.168
26	3.31	0.363

13	3.28	0.503
275	3.21	0.893
Std Dev	3.19	1.000
24	3.17	1.145
275	3.14	1.284
75	2.89	2.708
75	2.88	2.764
55	2.45	5.137

803 Other( describe)		
Lab	%	Fluorine, F
77	3.46	-1.340
Std Dev	3.46	-1.000
Median	3.45	0.000
Std Dev	3.44	1.000
77	3.44	1.340

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	16.0	0.000
Median	16.0	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
61	91.3	-18.072
61	66.4	-12.061
Std Dev	20.5	-1.000
78	17.4	-0.229
6	16.5	-0.024
78	16.4	0.000
Median	16.4	0.000
266	13.0	0.821
Std Dev	12.3	1.000
77	11.8	1.111
35	9.0	1.787
35	9.0	1.787

913 Other( describe)		
Lab	ppm	Arsenic, As
13	12.5	-1.340
Std Dev	12.4	-1.000
Median	12.0	0.000
Std Dev	11.5	1.000
77	11.4	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	2	0.000
Median	2	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
78	3	-2.554
78	3	-1.955
75	3	-1.419
6	3	-1.104
Std Dev	3	-1.000
24	3	-0.158
61	3	-0.158
77	3	-0.158
Median	3	0.000
75	3	0.158
266	2	0.347
24	2	0.473
77	2	0.473
61	2	0.552
Std Dev	2	1.000
35	2	1.734
35	2	1.734

923 Other( describe)		
Lab	ppm	Cadmium, Cd
13	2	0.000
Median	2	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	1	0.000
Median	1	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
77	4	-0.825
78	4	-0.825
78	4	-0.825
266	4	-0.687
6	4	-0.550
Median	3	0.000

35	3	0.550
35	3	0.550
77	3	0.550
Std Dev	3	1.000
75	2	2.611
75	1	3.298

933 Other( describe)		
Lab	ppm	Cobalt, Co
13	4	0.000
Median	4	0.000

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
55	0.9	0.000
Median	0.9	0.000

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
266	0.1	0.000
Median	0.1	0.000

943 Other( describe)		
Lab	ppm	Mercury, Hg
13	0.4	0.000
Median	0.4	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Molybdenum, Mo
55	7	0.000
Median	7	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Molybdenum, Mo
6	10	-1.298
Std Dev	9	-1.000
61	9	-0.886
77	8	-0.549
266	8	-0.419
77	7	-0.050
Median	7	0.000
78	7	0.050
78	7	0.075
Std Dev	5	1.000

24	5	1.073
24	5	1.148
61	1	2.875

953 Other( describe)		
Lab	ppm	Molybdenum, Mo
13	8	0.000
Median	8	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	12	0.000
Median	12	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
266	19	-23.202
6	12	-2.937
75	12	-1.468
24	11	-1.322
Std Dev	11	-1.000
24	11	-0.734
35	11	0.000
35	11	0.000
75	11	0.000
77	11	0.000
77	11	0.000
Median	11	0.000
61	11	0.220
Std Dev	11	1.000
78	11	1.468
78	10	2.937
61	10	3.862

963 Other( describe)		
Lab	ppm	Nickel, Ni
13	15	0.000
Median	15	0.000

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	26	0.000
Median	26	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
6	22	-2.231
77	17	-1.101
266	17	-1.026
Std Dev	17	-1.000
77	16	-0.850
35	14	-0.348
35	14	-0.348
Median	13	0.000
61	11	0.348
24	11	0.355
78	11	0.443
24	11	0.456
61	11	0.466
Std Dev	9	1.000
78	8	1.058

973 Other(describe)		
Lab	ppm	Lead, Pb
13	15	0.000
Median	15	0.000

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	5	0.000
Median	5	0.000

982 ICP-induc coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
61	36	-4.111
Std Dev	11	-1.000
266	5	-0.177
Median	3	0.000
77	2	0.177
77	2	0.189

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	49	-1.340
Std Dev	46	-1.000
Median	38	0.000
Std Dev	30	1.000
60	28	1.340

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	52	-5.069
24	49	-4.241
75	38	-1.081
Std Dev	37	-1.000
61	36	-0.574
75	36	-0.520
61	35	-0.407
78	34	-0.098
Median	34	0.000
6	33	0.098
35	33	0.183
35	32	0.463
78	31	0.885
266	30	0.969
Std Dev	30	1.000
77	19	4.114
77	15	5.238

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	30	0.000
Median	30	0.000