

# AFPC Rock Check Program

Sample No. 2014-12

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	23	1.05	0.099
Other (describe)	102	4	1.12	0.088
<b>Method Group 100</b>		<b>27</b>	<b>1.06</b>	<b>0.11</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	33.14	0.295
ICP-induced coupled plasma AFPC IX.3.D	202	2	33.57	0.354
Photometric-AFPC IX.3.C	203	20	33.01	0.208
Automated -AOAC 978.01-15th	204	9	33.04	0.097
Other(describe)	205	2	33.16	0.030
<b>Method Group 200</b>		<b>37</b>	<b>33.04</b>	<b>0.19</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	3	33.35	0.088
ICP-induced coupled plasma AFPC IX.3.D	212	2	33.93	0.340
Photometric-AFPC IX.3.C	213	12	33.39	0.124
Automated -AOAC 978.01-15th	214	9	33.39	0.151
Other(describe)	215	1	33.50	0.000
<b>Method Group 210</b>		<b>27</b>	<b>33.41</b>	<b>0.14</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	5	1.12	0.119
ICP-induced coupled plasma-AFPC IX.6.C	302	22	1.09	0.021
Other(describe)	303	6	1.11	0.086
<b>Method Group 300</b>		<b>33</b>	<b>1.10</b>	<b>0.05</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	3	1.46	0.015
ICP-induced coupled plasma-AFPC IX.7.C	402	22	1.43	0.051
Other(describe)	403	6	1.42	0.055
<b>Method Group 400</b>		<b>31</b>	<b>1.43</b>	<b>0.05</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	5	0.39	0.030
ICP-induced coupled plasma-AFPC IX.8.B	502	21	0.35	0.004
Other(describe)	503	6	0.36	0.013
<b>Method Group 500</b>		<b>32</b>	<b>0.35</b>	<b>0.01</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	19	3.18	0.104
Other(describe)	602	4	3.34	0.198
<b>Method Group 600</b>		<b>23</b>	<b>3.18</b>	<b>0.13</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	18	3.52	0.289
Other(describe)	652	7	3.36	0.853
<b>Method Group 650</b>		<b>25</b>	<b>3.49</b>	<b>0.31</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	16	47.75	0.520
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	46.97	0.138
EDTA Volumetric-AFPC IX.12.C	705	4	48.45	0.343
Other(describe)	706	11	47.87	0.200
<b>Method Group 700</b>		<b>34</b>	<b>47.77</b>	<b>0.63</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	10	48.29	0.077
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	47.59	0.098
EDTA Volumetric-AFPC IX.12.C	715	3	48.89	0.676
Other(describe)	716	10	48.37	0.217
<b>Method Group 710</b>		<b>24</b>	<b>48.29</b>	<b>0.25</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	19	3.75	0.069
Other (describe)	803	4	3.98	0.208
<b>Method Group 800</b>		<b>23</b>	<b>3.77</b>	<b>0.09</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	0.2	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	8	8.8	1.85
Other(describe)	913	2	8.3	0.25
<b>Method Group 900</b>		<b>11</b>	<b>8.5</b>	<b>1.92</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	3	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	11	6	0.7
Other(describe)	923	1	6	0.0
<b>Method Group 910</b>		<b>13</b>	<b>6</b>	<b>0.8</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	6	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	10	4	0.9
Other(describe)	933	1	4	0.0
<b>Method Group 920</b>		<b>12</b>	<b>4</b>	<b>0.8</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.2	0.04
Other(describe)	943	1	0.7	0.00
<b>Method Group 930</b>		<b>3</b>	<b>0.2</b>	<b>0.21</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	8	7	2.0
Other(describe)	953	2	9	0.6
<b>Method Group 940</b>		<b>11</b>	<b>8</b>	<b>2.1</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	17	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	11	9	2.2
Other(describe)	963	1	12	0.0
<b>Method Group 950</b>		<b>13</b>	<b>9</b>	<b>2.6</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	10	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	11	13	10.0
Other(describe)	973	1	18	0.0
<b>Method Group 960</b>		<b>13</b>	<b>13</b>	<b>8.3</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981	1	9	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	3	1	0.9
Other(describe)	983	2	33	22.5
<b>Method Group 970</b>		<b>6</b>	<b>3</b>	<b>4.7</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	73	4
ICP-induced coupled plasma-AFPC IX.16.A	992	11	73	22
Other(describe)	993	2	73	2
<b>Method Group 980</b>		<b>15</b>	<b>73</b>	<b>12</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
55	1.19	-1.466	
13	1.16	-1.163	
21	1.16	-1.112	
<b>Std Dev</b>	<b>1.14</b>	<b>-1.000</b>	
10	1.14	-0.961	
13	1.12	-0.758	
49	1.10	-0.556	
24	1.09	-0.405	
26	1.08	-0.303	
9	1.06	-0.152	
21	1.06	-0.152	
15	1.06	-0.101	
241	1.05	0.000	
<b>Median</b>	<b>1.05</b>	<b>0.000</b>	
9	1.02	0.253	
15	1.00	0.455	
266	1.00	0.455	
24	0.98	0.708	
61	0.97	0.758	
30	0.95	0.961	
61	0.95	0.961	
275	0.95	0.961	
<b>Std Dev</b>	<b>0.95</b>	<b>1.000</b>	
35	0.91	1.365	
77	0.68	3.691	
77	0.57	4.804	

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
6	1.25	-1.483	
<b>Std Dev</b>	<b>1.21</b>	<b>-1.000</b>	
10	1.14	-0.171	
<b>Median</b>	<b>1.12</b>	<b>0.000</b>	
6	1.11	0.171	
<b>Std Dev</b>	<b>1.03</b>	<b>1.000</b>	
25	0.87	2.851	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
65	33.60	-1.535	
<b>Std Dev</b>	<b>33.44</b>	<b>-1.000</b>	
77	33.28	-0.466	

<b>Median</b>	<b>33.14</b>	<b>0.000</b>	
241	33.01	0.466	
<b>Std Dev</b>	<b>32.85</b>	<b>1.000</b>	
55	32.84	1.026	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	34.04	-1.340	
<b>Std Dev</b>	<b>33.92</b>	<b>-1.000</b>	
<b>Median</b>	<b>33.57</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>33.21</b>	<b>1.000</b>	
10	33.09	1.340	

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
45	33.25	-1.166	
<b>Std Dev</b>	<b>33.22</b>	<b>-1.000</b>	
35	33.15	-0.661	
275	33.14	-0.637	
275	33.11	-0.493	
49	33.10	-0.445	
26	33.07	-0.276	
6	33.06	-0.228	
45	33.05	-0.204	
6	33.04	-0.132	
9	33.01	-0.012	
<b>Median</b>	<b>33.01</b>	<b>0.000</b>	

9	33.01	0.012	
30	32.99	0.084	
61	32.90	0.541	
92	32.86	0.709	
92	32.81	0.949	
<b>Std Dev</b>	<b>32.80</b>	<b>1.000</b>	
61	32.75	1.238	
78	32.74	1.286	
78	32.71	1.430	
60	32.65	1.719	
25	32.17	4.026	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	33.19	-1.495	
15	33.15	-1.134	
<b>Std Dev</b>	<b>33.14</b>	<b>-1.000</b>	

24	33.09	-0.464	
13	33.08	-0.412	
77	33.04	0.000	
<b>Median</b>	<b>33.04</b>	<b>0.000</b>	
13	33.02	0.258	
24	32.96	0.876	
<b>Std Dev</b>	<b>32.94</b>	<b>1.000</b>	
21	32.66	3.917	
21	32.66	3.917	

205 Other(describe)			
Lab	%	P2O5	
19	33.20	-1.340	
<b>Std Dev</b>	<b>33.19</b>	<b>-1.000</b>	
<b>Median</b>	<b>33.16</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>33.13</b>	<b>1.000</b>	
10	33.12	1.340	

211 Gravimetric AFPC IX.3.B				
Lab	%	P2O5	dB	
77	33.47	-1.335		
<b>Std Dev</b>	<b>33.44</b>	<b>-1.000</b>		
241	33.35	0.000		
<b>Median</b>	<b>33.35</b>	<b>0.000</b>		
<b>Std Dev</b>	<b>33.27</b>	<b>1.000</b>		
55	33.24	1.345		

212 ICP-induced coupled plasma AFPC IX.3.D				
Lab	%	P2O5	dB	
266	34.38	-1.340		
<b>Std Dev</b>	<b>34.27</b>	<b>-1.000</b>		
<b>Median</b>	<b>33.93</b>	<b>0.000</b>		
<b>Std Dev</b>	<b>33.59</b>	<b>1.000</b>		
10	33.47	1.340		

213 Photometric-AFPC IX.3.C				
Lab	%	P2O5	dB	
49	33.47	-0.618		
275	33.46	-0.535		
6	33.45	-0.497		
35	33.45	-0.467		
6	33.42	-0.265		
26	33.42	-0.265		
<b>Median</b>	<b>33.39</b>	<b>0.000</b>		

9	33.36	0.265	
9	33.35	0.333	
30	33.31	0.686	
<b>Std Dev</b>	<b>33.27</b>	<b>1.000</b>	
61	33.22	1.405	
61	33.06	2.639	
25	32.45	7.571	

214 Automated -AOAC 978.01-15th				
Lab	%	P2O5	dB	
15	33.52	-0.871		
15	33.50	-0.760		
13	33.47	-0.526		
24	33.41	-0.145		
13	33.39	0.000		
<b>Median</b>	<b>33.39</b>	<b>0.000</b>		
24	33.32	0.481		
77	33.27	0.814		
<b>Std Dev</b>	<b>33.24</b>	<b>1.000</b>		
21	33.04	2.304		
21	33.01	2.514		

215 Other(describe)				
Lab	%	P2O5	dB	
10	33.50	0.000		
<b>Median</b>	<b>33.50</b>	<b>0.000</b>		

301 Atomic Absorption-AFPC IX.6.B				
Lab	%	Fe2O3		
55	1.38	-2.219		
<b>Std Dev</b>	<b>1.23</b>	<b>-1.000</b>		
25	1.23	-0.963		
241	1.12	0.000		
<b>Median</b>	<b>1.12</b>	<b>0.000</b>		
30	1.07	0.377		
<b>Std Dev</b>	<b>1.00</b>	<b>1.000</b>		
60	0.91	1.717		

302 ICP-induced coupled plasma-AFPC IX.6.C				
Lab	%	Fe2O3		
78	1.21	-5.593		
266	1.20	-5.127		
78	1.20	-4.894		
15	1.15	-2.563		

15	1.14	-2.097
Std Dev	1.11	-1.000
9	1.10	-0.466
10	1.10	-0.466
13	1.10	-0.466
13	1.10	-0.233
21	1.10	-0.233
9	1.09	0.000
49	1.09	0.000
61	1.09	0.000
Median	1.09	0.000
45	1.08	0.466
61	1.08	0.466
21	1.08	0.699
45	1.07	0.932
Std Dev	1.07	1.000
92	1.02	3.263
92	1.01	3.729
24	0.94	6.991
24	0.93	7.457
35	0.25	39.384

303 Other(describe)		
Lab	%	Fe2O3
77	1.26	-1.748
77	1.25	-1.631
Std Dev	1.20	-1.000
10	1.12	-0.058
Median	1.11	0.000
6	1.11	0.058
6	1.10	0.117
Std Dev	1.02	1.000
19	1.02	1.049

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	1.47	-0.670
241	1.46	0.000
Median	1.46	0.000
Std Dev	1.45	1.000
55	1.43	2.010

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

266	1.75	-6.335
61	1.67	-4.775
61	1.67	-4.678
78	1.62	-3.801
78	1.59	-3.216
92	1.48	-1.072
Std Dev	1.48	-1.000
24	1.48	-0.975
92	1.47	-0.877
45	1.46	-0.682
24	1.44	-0.195
45	1.43	-0.097
Median	1.43	0.000
13	1.42	0.097
49	1.42	0.097
13	1.42	0.195
15	1.42	0.195
10	1.41	0.292
15	1.41	0.292
9	1.41	0.390
9	1.41	0.390
Std Dev	1.37	1.000
21	1.37	1.072
21	1.35	1.462
35	0.33	21.440

403 Other(describe)		
Lab	%	Al2O3
77	1.64	-3.997
77	1.51	-1.635
Std Dev	1.48	-1.000
6	1.43	-0.091
Median	1.42	0.000
6	1.42	0.091
10	1.42	0.091
Std Dev	1.36	1.000
19	1.30	2.180

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
25	0.46	-2.513
Std Dev	0.41	-1.000
55	0.39	-0.168
35	0.39	0.000

Median	0.39	0.000
Std Dev	0.36	1.000
60	0.35	1.173
30	0.33	1.843

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
15	0.37	-4.020
15	0.36	-2.680
49	0.36	-2.680
92	0.36	-2.680
266	0.36	-2.680
Std Dev	0.35	-1.000
9	0.35	0.000
9	0.35	0.000
13	0.35	0.000
13	0.35	0.000
21	0.35	0.000
21	0.35	0.000
45	0.35	0.000
61	0.35	0.000
61	0.35	0.000
78	0.35	0.000
Median	0.35	0.000
Std Dev	0.35	1.000
10	0.35	1.340
78	0.35	1.340
24	0.34	2.680
24	0.34	2.680
45	0.34	2.680
92	0.34	2.680

503 Other(describe)		
Lab	%	MgO
77	0.50	-11.103
19	0.37	-1.149
Std Dev	0.37	-1.000
77	0.36	-0.383
Median	0.36	0.000
6	0.35	0.383
6	0.35	0.383
10	0.35	0.383

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
55	3.94	-7.274
45	3.30	-1.149
Std Dev	3.28	-1.000
45	3.26	-0.766
24	3.26	-0.718
10	3.23	-0.479
15	3.21	-0.239
9	3.19	-0.096
15	3.18	0.000
9	3.18	0.000
13	3.18	0.000
Median	3.18	0.000
26	3.18	0.048
6	3.16	0.239
30	3.10	0.766
49	3.08	0.957
Std Dev	3.08	1.000
13	3.08	1.005
24	3.06	1.149
35	2.91	2.632
21	2.51	6.413
21	2.38	7.705

602 Other(describe)		
Lab	%	Al
19	4.10	-3.830
Std Dev	3.54	-1.000
266	3.36	-0.088
Median	3.34	0.000
6	3.33	0.088
10	3.15	0.999

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
25	7.95	-15.311
61	4.65	-3.899
61	4.60	-3.709
Std Dev	3.81	-1.000
24	3.68	-0.527
24	3.66	-0.458
13	3.61	-0.303
49	3.58	-0.199

9	3.56	-0.130
9	3.56	-0.130
<b>Median</b>	<b>3.52</b>	<b>0.000</b>
13	3.49	0.130
77	3.47	0.182
30	3.35	0.597
6	3.26	0.908
21	3.26	0.925
21	3.26	0.925
6	3.25	0.960
<b>Std Dev</b>	<b>3.23</b>	<b>1.000</b>
15	2.74	2.723
15	2.71	2.810

652 Other(describe)		
Lab	%	CaO
35	7.80	-5.208
78	4.46	-1.284
78	4.40	-1.220
<b>Std Dev</b>	<b>4.21</b>	<b>-1.000</b>
55	3.36	0.000
<b>Median</b>	<b>3.36</b>	<b>0.000</b>
275	3.33	0.035
266	3.24	0.141
275	3.23	0.152

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
61	50.09	-4.499
78	48.83	-2.064
<b>Std Dev</b>	<b>48.27</b>	<b>-1.000</b>
78	48.10	-0.669
21	48.07	-0.611
13	47.82	-0.120
9	47.78	-0.053
21	47.78	-0.043
49	47.76	-0.014
<b>Median</b>	<b>47.75</b>	<b>0.000</b>
10	47.75	0.014
13	47.68	0.140

9	47.55	0.399
<b>Std Dev</b>	<b>47.23</b>	<b>1.000</b>
92	47.19	1.083
92	47.16	1.140
45	46.89	1.660
45	45.60	4.143
61	44.75	5.779

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
30	47.27	-2.209
<b>Std Dev</b>	<b>47.10</b>	<b>-1.000</b>
241	46.97	0.000
<b>Median</b>	<b>46.97</b>	<b>0.000</b>
60	46.90	0.471

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
266	48.72	-0.801
275	48.46	-0.044
<b>Median</b>	<b>48.45</b>	<b>0.000</b>
275	48.43	0.044
<b>Std Dev</b>	<b>48.10</b>	<b>1.000</b>
35	46.97	4.297

706 Other(describe)		
Lab	%	CaO
77	49.00	-5.686
77	48.80	-4.684
<b>Std Dev</b>	<b>48.06</b>	<b>-1.000</b>
19	48.01	-0.726
24	47.99	-0.601
10	47.93	-0.326
24	47.87	0.000
<b>Median</b>	<b>47.87</b>	<b>0.000</b>
6	47.80	0.351
6	47.76	0.551
15	47.71	0.801
15	47.67	0.977
<b>Std Dev</b>	<b>47.67</b>	<b>1.000</b>

55	45.44	12.148	
<b>711 Gravimetric sulfate-AFPC IX.12.A</b>			
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	50.57	-29.630	
21	48.59	-3.795	
<b>Std Dev</b>	<b>48.37</b>	<b>-1.000</b>	
13	48.36	-0.822	
21	48.33	-0.519	
10	48.30	-0.028	
<b>Median</b>	<b>48.29</b>	<b>0.000</b>	
49	48.29	0.028	
9	48.27	0.273	
13	48.24	0.700	
<b>Std Dev</b>	<b>48.22</b>	<b>1.000</b>	
9	48.05	3.110	
61	45.19	40.404	

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
30	47.72	-1.340	
<b>Std Dev</b>	<b>47.69</b>	<b>-1.000</b>	
<b>Median</b>	<b>47.59</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>47.49</b>	<b>1.000</b>	
241	47.46	1.340	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	49.21	-0.470	
275	48.89	0.000	
<b>Median</b>	<b>48.89</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>48.22</b>	<b>1.000</b>	
35	47.40	2.210	

716 Other(describe)			
Lab	%	CaO	dB

77	49.28	-4.199
77	49.13	-3.524
<b>Std Dev</b>	<b>48.59</b>	<b>-1.000</b>
24	48.51	-0.659
10	48.48	-0.516
6	48.40	-0.147
<b>Median</b>	<b>48.37</b>	<b>0.000</b>
24	48.34	0.147
6	48.29	0.366
15	48.19	0.834
15	48.18	0.873
<b>Std Dev</b>	<b>48.15</b>	<b>1.000</b>
55	45.99	10.953

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	4.06	-4.491
9	3.85	-1.449
9	3.82	-1.014
21	3.82	-1.014
<b>Std Dev</b>	<b>3.82</b>	<b>-1.000</b>
13	3.79	-0.579
26	3.78	-0.435
6	3.78	-0.435
13	3.77	-0.290
6	3.76	-0.072
49	3.75	0.000
<b>Median</b>	<b>3.75</b>	<b>0.000</b>
24	3.73	0.290
30	3.72	0.435
24	3.71	0.579
15	3.70	0.797
21	3.69	0.869
<b>Std Dev</b>	<b>3.68</b>	<b>1.000</b>
15	3.66	1.376
266	3.64	1.594
25	3.42	4.781
55	0.60	45.632

803 Other( describe)		
Lab	%	Fluorine, F
77	4.20	-1.053
Std Dev	4.19	-1.000
77	4.10	-0.574
Median	3.98	0.000
65	3.86	0.574
19	3.80	0.866

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	0.2	0.000
Median	0.2	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
266	16.8	-4.318
6	11.1	-1.205
Std Dev	10.7	-1.000
24	9.5	-0.338
24	9.2	-0.203
Median	8.8	0.000
78	8.5	0.203
77	8.0	0.447
Std Dev	7.0	1.000
35	5.5	1.800
78	4.3	2.477

913 Other( describe)		
Lab	ppm	Arsenic, As
13	8.7	-1.340
Std Dev	8.6	-1.000
Median	8.3	0.000
Std Dev	8.1	1.000
77	8.0	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	3	0.000
Median	3	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
78	13	-9.600

78	12	-9.204
Std Dev	7	-1.000
61	6	-0.264
61	6	-0.146
6	6	0.000
77	6	0.000
Median	6	0.000
266	6	0.600
24	5	0.879
Std Dev	5	1.000
24	5	1.391
77	5	1.464
35	4	2.929

923 Other( describe)		
Lab	ppm	Cadmium, Cd
13	6	0.000
Median	6	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	6	0.000
Median	6	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	5	-1.083
Std Dev	4	-1.000
77	4	-0.513
77	4	-0.513
78	4	-0.513
266	4	-0.285
Median	4	0.000
61	3	0.285
24	3	0.741
61	3	0.855
Std Dev	3	1.000
24	3	1.083
35	2	1.768

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
Median	0.0	0.000

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
35	0.2	-1.340
Std Dev	0.2	-1.000
Median	0.2	0.000
Std Dev	0.1	1.000
266	0.1	1.340

943 Other( describe)		
Lab	ppm	Mercury, Hg
13	0.7	0.000
Median	0.7	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Molybdenum, Mo
55	1	0.000
Median	1	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Molybdenum, Mo
61	301	-146.141
Std Dev	9	-1.000
266	9	-0.922
78	9	-0.548
78	8	-0.224
Median	7	0.000
24	7	0.224
24	6	0.698
77	6	0.698
77	6	0.698

953 Other( describe)		
Lab	ppm	Molybdenum, Mo
19	10	-1.340
Std Dev	10	-1.000
Median	9	0.000
Std Dev	8	1.000
13	8	1.340

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	17	0.000
Median	17	0.000

962 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Nickel, Ni
266	22	-5.784
61	12	-1.321
Std Dev	11	-1.000
61	11	-0.813
77	10	-0.455
6	9	-0.091
77	9	0.000
Median	9	0.000
24	9	0.137
24	8	0.273
Std Dev	7	1.000
35	7	1.138
78	6	1.594
78	5	1.822

963 Other( describe)		
Lab	ppm	Nickel, Ni
13	12	0.000
Median	12	0.000

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	10	0.000
Median	10	0.000

972 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Lead, Pb
61	27	-1.385
61	26	-1.266
Std Dev	23	-1.000
266	23	-0.950
6	20	-0.690
77	14	-0.100
35	13	0.000
77	13	0.000
Median	13	0.000
24	9	0.425

24	7	0.615
Std Dev	3	1.000
78	1	1.200
78	1	1.200

973 Other(describe)		
Lab	ppm	Lead, Pb
13	18	0.000
Median	18	0.000

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	9	0.000
Median	9	0.000

982 ICP-induc coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
266	4	-2.680
Std Dev	2	-1.000
77	1	0.000
77	1	0.000
Median	1	0.000

983 Other(describe)		
Lab	ppm	Selenium, Se
19	63	-1.340
Std Dev	55	-1.000
Median	33	0.000
Std Dev	10	1.000
13	3	1.340

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	78	-1.340
Std Dev	77	-1.000
Median	73	0.000
Std Dev	69	1.000
60	68	1.340

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
78	110	-1.646
78	107	-1.512
Std Dev	95	-1.000

24	94	-0.973
24	90	-0.794
61	75	-0.114
6	73	0.000
Median	73	0.000
61	72	0.047
266	69	0.166
77	56	0.747
77	54	0.837
Std Dev	50	1.000
35	34	1.731

993 Other(describe)		
Lab	ppm	Zinc, Zn
19	75	-1.340
Std Dev	74	-1.000
Median	73	0.000
Std Dev	71	1.000
13	70	1.340