

# AFPC Rock Check Program

Sample No. 2014-05

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	28	0.61	0.094
Other (describe)	102			
<b>Method Group 100</b>		<b>28</b>	<b>0.61</b>	<b>0.09</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	2	28.66	0.015
ICP-induced coupled plasma AFPC IX.3.D	202	6	28.83	0.047
Photometric-AFPC IX.3.C	203	17	28.91	0.149
Automated -AOAC 978.01-15th	204	9	28.95	0.205
Other(describe)	205	1	28.70	0.000
<b>Method Group 200</b>		<b>35</b>	<b>28.87</b>	<b>0.18</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	28.80	0.038
ICP-induced coupled plasma AFPC IX.3.D	212	6	29.02	0.052
Photometric-AFPC IX.3.C	213	11	29.08	0.080
Automated -AOAC 978.01-15th	214	9	29.11	0.199
Other(describe)	215			
<b>Method Group 210</b>		<b>28</b>	<b>29.06</b>	<b>0.14</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.48	0.002
ICP-induced coupled plasma-AFPC IX.6.C	302	23	0.54	0.015
Other(describe)	303	3	0.57	0.011
<b>Method Group 300</b>		<b>28</b>	<b>0.54</b>	<b>0.02</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	0.96	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	23	0.79	0.136
Other(describe)	403	3	1.51	0.108
<b>Method Group 400</b>		<b>27</b>	<b>0.81</b>	<b>0.29</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	4	0.40	0.113
ICP-induced coupled plasma-AFPC IX.8.B	502	23	0.45	0.011
Other(describe)	503	3	0.47	0.045
<b>Method Group 500</b>		<b>30</b>	<b>0.45</b>	<b>0.02</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	21	12.13	0.310
Other(describe)	602	4	11.74	1.058
<b>Method Group 600</b>		<b>25</b>	<b>12.13</b>	<b>0.39</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	17	4.08	0.194
Other(describe)	652	7	8.40	4.496
<b>Method Group 650</b>		<b>24</b>	<b>4.09</b>	<b>0.46</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	16	43.68	0.721
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	43.34	0.011
EDTA Volumetric-AFPC IX.12.C	705	5	43.61	0.082
Other(describe)	706	10	43.61	0.536
<b>Method Group 700</b>		<b>33</b>	<b>43.61</b>	<b>0.37</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	12	43.86	0.218
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	43.56	0.000
EDTA Volumetric-AFPC IX.12.C	715	5	43.86	0.038
Other(describe)	716	9	44.08	0.552
<b>Method Group 710</b>		<b>27</b>	<b>43.86</b>	<b>0.34</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	18	3.03	0.062
Other (describe)	803	3	2.99	0.157
<b>Method Group 800</b>		<b>21</b>	<b>3.02</b>	<b>0.07</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	55.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	9	11.3	1.31
Other(describe)	913	2	9.5	0.39
<b>Method Group 900</b>		<b>12</b>	<b>11.1</b>	<b>2.12</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	8	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	10	86	3.4
Other(describe)	923	1	88	0.0
<b>Method Group 910</b>		<b>12</b>	<b>86</b>	<b>3.8</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	2	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	10	2	0.3
Other(describe)	933	1	2	0.0
<b>Method Group 920</b>		<b>12</b>	<b>2</b>	<b>0.3</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	1	0.3	0.00
Other(describe)	943	1	1.3	0.00
<b>Method Group 930</b>		<b>2</b>	<b>0.8</b>	<b>0.36</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	10	9	0.5
Other(describe)	953	1	9	0.0
<b>Method Group 940</b>		<b>12</b>	<b>9</b>	<b>0.7</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	6	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	10	96	7.6
Other(describe)	963	3	91	9.7
<b>Method Group 950</b>		<b>14</b>	<b>93</b>	<b>7.9</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	70	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	10	9	3.9
Other(describe)	973	1	5	0.0
<b>Method Group 960</b>		<b>12</b>	<b>9</b>	<b>4.2</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981	1	700	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	2	11	2.3
Other(describe)	983	1	14	0.0
<b>Method Group 970</b>		<b>4</b>	<b>14</b>	<b>129.2</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	662	84
ICP-induced coupled plasma-AFPC IX.16.A	992	9	792	58
Other(describe)	993	3	716	41
<b>Method Group 980</b>		<b>14</b>	<b>759</b>	<b>53</b>

101 Ground Sample AFPC IX.2.A		
Lab	%	H <sub>2</sub> O
35	0.71	-1.035
Std Dev	0.71	-1.000
13	0.71	-0.982
266	0.70	-0.929
24	0.70	-0.876
6	0.69	-0.823
24	0.68	-0.663
26	0.68	-0.663
13	0.66	-0.504
16	0.65	-0.398
21	0.65	-0.345
10	0.64	-0.292
16	0.64	-0.292
9	0.64	-0.239
10	0.63	-0.133
Median	0.61	0.000
15	0.60	0.133
49	0.60	0.133
15	0.59	0.239
21	0.58	0.345
55	0.58	0.345
9	0.55	0.663
30	0.55	0.663
Std Dev	0.52	1.000
275	0.50	1.194
275	0.50	1.194
61	0.49	1.300
61	0.46	1.619
35	0.45	1.725
77	0.37	2.574
77	0.17	4.697

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

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
55	28.68	-1.340
Std Dev	28.67	-1.000
Median	28.66	0.000
Std Dev	28.65	1.000

77 28.64 1.340		
202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
266	29.54	-15.222
Std Dev	28.88	-1.000
10	28.88	-0.965
6	28.85	-0.429
Median	28.83	0.000
16	28.81	0.429
10	28.81	0.536
Std Dev	28.78	1.000
16	28.76	1.501

203 Photometric-AFPC IX.3.C		
Lab	%	P2O5
35	29.16	-1.709
30	29.09	-1.240
Std Dev	29.05	-1.000
78	29.03	-0.804
78	29.01	-0.670
35	28.95	-0.301
49	28.93	-0.167
275	28.93	-0.167
6	28.91	-0.033
9	28.91	0.000
Median	28.91	0.000
9	28.90	0.034
26	28.87	0.268
275	28.77	0.905
Std Dev	28.76	1.000
60	28.75	1.039
92	28.70	1.374
92	28.68	1.508
61	28.60	2.044
61	28.35	3.752

204 Automated -AOAC 978.01-15th		
Lab	%	P2O5
15	30.04	-5.311
15	29.99	-5.068
Std Dev	29.15	-1.000
13	29.04	-0.463
13	28.97	-0.122

21	28.95	0.000
Median	28.95	0.000
21	28.84	0.536
24	28.77	0.877
Std Dev	28.74	1.000
24	28.66	1.413
77	28.64	1.486

205 Other(describe)		
Lab	%	P2O5
19	28.70	0.000
Median	28.70	0.000

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.85		-1.340
Std Dev	28.83		-1.000
Median	28.80		0.000
Std Dev	28.76		1.000
77	28.75		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	29.75		-13.915
Std Dev	29.08		-1.000
10	29.06		-0.729
6	29.05		-0.526
Median	29.02		0.000
16	29.00		0.526
10	28.99		0.707
Std Dev	28.97		1.000
16	28.95		1.436

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	29.37		-3.678
30	29.25		-2.202
Std Dev	29.16		-1.000
49	29.10		-0.367
9	29.08		-0.117
35	29.08		-0.069
275	29.08		0.000
Median	29.08		0.000
9	29.06		0.132

26	29.06	0.178
Std Dev	29.00	1.000
275	28.91	2.018
61	28.74	4.198
61	28.48	7.521

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	30.21		-5.525
15	30.17		-5.288
Std Dev	29.31		-1.000
13	29.23		-0.598
13	29.18		-0.311
21	29.11		0.000
Median	29.11		0.000
21	29.02		0.461
24	28.97		0.742
Std Dev	28.91		1.000
24	28.85		1.327
77	28.69		2.136

215 Other(describe)			
Lab	%	P2O5	dB
Median	0.00		0.000

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
55	0.48		-1.340
Std Dev	0.48		-1.000
Median	0.48		0.000
Std Dev	0.48		1.000
60	0.48		1.340

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
61	0.70		-11.055
78	0.58		-3.015
78	0.57		-2.010
266	0.56		-1.675
15	0.55		-1.005
16	0.55		-1.005
16	0.55		-1.005
Std Dev	0.55		-1.000
13	0.55		-0.670

15	0.55	-0.670
6	0.54	-0.335
49	0.54	-0.335
10	0.54	0.000
13	0.54	0.000
61	0.54	0.000
<b>Median</b>	<b>0.54</b>	<b>0.000</b>
9	0.53	0.335
9	0.53	0.335
10	0.53	0.335
21	0.53	0.335
21	0.53	0.670
<b>Std Dev</b>	<b>0.52</b>	<b>1.000</b>
92	0.50	2.345
92	0.50	2.345
24	0.49	3.015
24	0.49	3.350

303 Other(describe)		
Lab	%	Fe2O3
77	0.59	-1.787
<b>Std Dev</b>	<b>0.58</b>	<b>-1.000</b>
77	0.57	0.000
<b>Median</b>	<b>0.57</b>	<b>0.000</b>
19	0.56	0.893

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	0.96	0.000
<b>Median</b>	<b>0.96</b>	<b>0.000</b>

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
78	1.68	-6.535
266	1.68	-6.535
78	1.64	-6.241
61	1.32	-3.855
61	0.95	-1.138
<b>Std Dev</b>	<b>0.93</b>	<b>-1.000</b>
15	0.90	-0.808
15	0.90	-0.771
9	0.87	-0.551
9	0.85	-0.404
6	0.81	-0.147

49	0.80	-0.073
92	0.79	0.000
<b>Median</b>	<b>0.79</b>	<b>0.000</b>
24	0.78	0.073
92	0.78	0.073
24	0.77	0.147
10	0.73	0.477
16	0.72	0.514
10	0.71	0.587
16	0.71	0.587
13	0.66	0.991
<b>Std Dev</b>	<b>0.65</b>	<b>1.000</b>
21	0.64	1.101
21	0.61	1.322
13	0.58	1.579

403 Other(describe)			
Lab	%	Al2O3	
77	1.55	-0.370	
77	1.51	0.000	
<b>Median</b>	<b>1.51</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1.40</b>	<b>1.000</b>	
19	1.26	2.310	

501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
35	0.52	-1.074	
<b>Std Dev</b>	<b>0.51</b>	<b>-1.000</b>	
35	0.44	-0.346	
<b>Median</b>	<b>0.40</b>	<b>0.000</b>	
55	0.36	0.346	
<b>Std Dev</b>	<b>0.29</b>	<b>1.000</b>	
60	0.15	2.210	

502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
61	0.56	-9.827	
78	0.49	-3.127	
78	0.48	-2.680	
15	0.47	-1.787	
15	0.47	-1.340	
<b>Std Dev</b>	<b>0.46</b>	<b>-1.000</b>	
16	0.46	-0.893	
16	0.46	-0.893	

92	0.46	-0.893
92	0.46	-0.893
9	0.45	0.000
24	0.45	0.000
49	0.45	0.000
266	0.45	0.000
<b>Median</b>	<b>0.45</b>	<b>0.000</b>
9	0.45	0.447
10	0.45	0.447
13	0.45	0.447
21	0.45	0.447
61	0.45	0.447
6	0.44	0.893
21	0.44	0.893
<b>Std Dev</b>	<b>0.44</b>	<b>1.000</b>
24	0.44	1.340
10	0.43	1.787
13	0.43	2.233

503 Other(describe)			
Lab	%	MgO	
77	0.51	-0.893	
77	0.47	0.000	
<b>Median</b>	<b>0.47</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.43</b>	<b>1.000</b>	
19	0.39	1.787	

601 Insoluble-AFPC IX.4.A			
Lab	%	Al	
15	15.28	-10.171	
15	15.26	-10.123	
55	13.18	-3.407	
<b>Std Dev</b>	<b>12.43</b>	<b>-1.000</b>	
26	12.42	-0.953	
16	12.36	-0.759	
21	12.35	-0.710	
16	12.34	-0.694	
30	12.24	-0.371	
21	12.14	-0.048	
9	12.13	-0.016	
9	12.13	0.000	
<b>Median</b>	<b>12.13</b>	<b>0.000</b>	
10	12.11	0.065	
24	11.97	0.500	

13	11.96	0.533
10	11.96	0.549
49	11.93	0.630
13	11.82	0.985
<b>Std Dev</b>	<b>11.82</b>	<b>1.000</b>
24	11.81	1.033
6	11.73	1.275
35	11.67	1.469
35	11.16	3.116

602 Other(describe)			
Lab	%	Al	
266	14.10	-2.236	
<b>Std Dev</b>	<b>12.79</b>	<b>-1.000</b>	
19	12.20	-0.440	
<b>Median</b>	<b>11.74</b>	<b>0.000</b>	
275	11.27	0.440	
275	11.22	0.487	

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
61	5.00	-4.742	
30	4.70	-3.195	
61	4.47	-1.984	
<b>Std Dev</b>	<b>4.27</b>	<b>-1.000</b>	
13	4.23	-0.747	
24	4.21	-0.644	
6	4.20	-0.618	
13	4.16	-0.387	
77	4.10	-0.103	
49	4.08	0.000	
<b>Median</b>	<b>4.08</b>	<b>0.000</b>	
9	3.98	0.515	
21	3.98	0.541	
21	3.96	0.618	
24	3.95	0.696	
55	3.91	0.876	
<b>Std Dev</b>	<b>3.89</b>	<b>1.000</b>	
9	3.88	1.031	
15	3.49	3.041	
15	3.47	3.170	

652 Other(describe)			
Lab	%	CO2	

78	10.60	-0.488
78	10.36	-0.436
35	8.67	-0.060
35	8.40	0.000
<b>Median</b>	<b>8.40</b>	<b>0.000</b>
<b>Std Dev</b>	<b>3.90</b>	<b>1.000</b>
275	3.51	1.088
275	3.47	1.096
266	3.04	1.192

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

702	ICP-induced coupled plasma-AFPC IX.12.D
Lab	% CaO
61	47.75 -5.651
78	46.47 -3.869
78	45.61 -2.677
92	44.46 -1.089
92	44.46 -1.089
<b>Std Dev</b>	<b>44.40 -1.000</b>
21	43.78 -0.146
10	43.72 -0.055
16	43.71 -0.049
<b>Median</b>	<b>43.68 0.000</b>
21	43.64 0.049
9	43.60 0.111
10	43.57 0.146
16	43.51 0.229
9	43.45 0.319
49	43.44 0.326
6	43.38 0.409
<b>Std Dev</b>	<b>42.95 1.000</b>
61	41.60 2.878

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

704	Permanganate
Lab	% CaO
60	43.35 -1.340
<b>Std Dev</b>	<b>43.35 -1.000</b>

<b>Median</b>	<b>43.34</b>	<b>0.000</b>
<b>Std Dev</b>	<b>43.32</b>	<b>1.000</b>
30	43.32	1.340

705	EDTA Volumetric-AFPC IX.12.C
Lab	% CaO
35	43.94 -4.020
<b>Std Dev</b>	<b>43.69 -1.000</b>
275	43.66 -0.609
275	43.61 0.000
<b>Median</b>	<b>43.61 0.000</b>
266	43.55 0.731
<b>Std Dev</b>	<b>43.53 1.000</b>
35	42.84 9.380

706	Other(describe)
Lab	% CaO
77	44.20 -1.100
<b>Std Dev</b>	<b>44.15 -1.000</b>
13	43.89 -0.513
13	43.87 -0.485
15	43.83 -0.401
15	43.82 -0.392
<b>Median</b>	<b>43.61 0.000</b>
77	43.40 0.392
19	43.20 0.764
24	43.12 0.914
<b>Std Dev</b>	<b>43.07 1.000</b>
24	43.04 1.063
55	42.33 2.386

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

712	ICP-induced coupled plasma-AFPC IX.12.D
Lab	% CaO dB
61	47.99 -18.897
<b>Std Dev</b>	<b>44.08 -1.000</b>
21	44.06 -0.926
16	43.99 -0.593
10	43.99 -0.586
21	43.89 -0.149
9	43.87 -0.053

<b>Median</b>	<b>43.86</b>	<b>0.000</b>
10	43.85	0.053
16	43.79	0.309
49	43.70	0.733
9	43.69	0.811
6	43.68	0.828
<b>Std Dev</b>	<b>43.64</b>	<b>1.000</b>
61	41.79	9.487

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

714	Permanganate
Lab	% CaO dB
30	43.56 0.000
<b>Median</b>	<b>43.56 0.000</b>

715	EDTA Volumetric-AFPC IX.12.C
Lab	% CaO dB
35	44.14 -7.510
<b>Std Dev</b>	<b>43.89 -1.000</b>
275	43.88 -0.597
266	43.86 0.000
<b>Median</b>	<b>43.86 0.000</b>
275	43.83 0.743
<b>Std Dev</b>	<b>43.82 1.000</b>
35	43.15 18.950

716	Other(describe)
Lab	% CaO dB
77	44.28 -0.346
13	44.20 -0.203
13	44.16 -0.139
15	44.09 -0.001
15	44.08 0.000
<b>Median</b>	<b>44.08 0.000</b>
77	43.56 0.948
<b>Std Dev</b>	<b>43.53 1.000</b>
24	43.42 1.201
24	43.33 1.362
55	42.58 2.731

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

802	Specific Ion Electrode-AFPC IX.14.B
Lab	% Fluorine, F
55	3.13 -1.705
21	3.10 -1.218
15	3.10 -1.137
35	3.09 -1.056
<b>Std Dev</b>	<b>3.09 -1.000</b>
21	3.09 -0.975
13	3.08 -0.812
30	3.05 -0.406
49	3.04 -0.244
13	3.03 -0.081
<b>Median</b>	<b>3.03 0.000</b>
15	3.02 0.081
24	3.01 0.244
9	3.01 0.325
26	3.00 0.406
35	3.00 0.406
6	2.99 0.568
<b>Std Dev</b>	<b>2.96 1.000</b>
9	2.94 1.381
24	2.94 1.381
266	2.91 1.868

803	Other( describe)
Lab	% Fluorine, F
77	3.10 -0.702
77	2.99 0.000
<b>Median</b>	<b>2.99 0.000</b>
<b>Std Dev</b>	<b>2.83 1.000</b>
19	2.68 1.978

911	Atomic Absorption-AFPC
Lab	ppm Arsenic, As
55	55.0 0.000
<b>Median</b>	<b>55.0 0.000</b>

912	ICP-induced coupled plasma-AFPC IX.15.
Lab	ppm Arsenic, As
78	21.5 -7.810

61	14.7	-2.603
Std Dev	12.6	-1.000
78	12.2	-0.689
61	11.7	-0.345
24	11.3	0.000
Median	11.3	0.000
6	11.0	0.191
266	10.4	0.651
Std Dev	9.9	1.000
24	9.6	1.263
77	9.0	1.723

913 Other(describe)		
Lab	ppm	Arsenic, As
13	10.1	-1.340
Std Dev	9.9	-1.000
Median	9.5	0.000
Std Dev	9.1	1.000
77	9.0	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	8	0.000
Median	8	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
61	106	-6.181
78	90	-1.456
Std Dev	89	-1.000
78	89	-0.968
77	88	-0.739
77	86	-0.148
Median	86	0.000
6	85	0.148
266	85	0.296
61	84	0.473
Std Dev	82	1.000
24	81	1.449
24	79	1.967

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	88	0.000

Median	88	0.000
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931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	2	0.000
Median	2	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
61	3	-3.223
Std Dev	2	-1.000
77	2	0.000
77	2	0.000
78	2	0.000
78	2	0.000
266	2	0.000
Median	2	0.000
Std Dev	2	1.000
6	2	1.315
61	2	1.348
24	1	1.809
24	1	3.617

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	2	0.000
Median	2	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
266	0.3	0.000
Median	0.3	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	1.3	0.000
Median	1.3	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Molybdenum, Mo

55	12	0.000
Median	12	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Molybdenum, Mo
61	12	-6.866
Std Dev	9	-1.000
266	9	-0.906
24	9	-0.327
78	9	-0.220
61	9	-0.102
Median	9	0.000
6	9	0.102
78	8	0.638
Std Dev	8	1.000
77	8	1.174
24	7	2.782
77	7	3.318

953 Other(describe)		
Lab	ppm	Molybdenum, Mo
13	9	0.000
Median	9	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	6	0.000
Median	6	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
61	114	-2.285
Std Dev	104	-1.000
6	103	-0.879
78	100	-0.422
78	99	-0.291
266	99	-0.291
Median	96	0.000
61	94	0.291
77	89	0.951
77	89	0.951
Std Dev	89	1.000
24	89	1.016
24	86	1.363

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	114	-2.345
Std Dev	101	-1.000
13	91	0.000
Median	91	0.000
19	88	0.335

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	70	0.000
Median	70	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
61	13	-1.014
Std Dev	13	-1.000
266	11	-0.394
6	11	-0.368
77	10	-0.187
61	10	-0.071
Median	9	0.000
77	9	0.071
24	6	0.872
Std Dev	5	1.000
24	5	1.066
78	1	2.138
78	1	2.138

973 Other(describe)		
Lab	ppm	Lead, Pb
13	5	0.000
Median	5	0.000

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	700	0.000
Median	700	0.000

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
266	14	-1.340
Std Dev	14	-1.000

Median	11	0.000
Std Dev	9	1.000
	61	8
		1.340

983 Other(describe)		
Lab	ppm	Selenium, Se
13	14	0.000
Median	14	0.000

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
60	774	-1.340
Std Dev	746	-1.000
Median	662	0.000
Std Dev	578	1.000
	55	550
		1.340

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
61	965	-2.998
Std Dev	850	-1.000
24	844	-0.903
24	821	-0.507
61	807	-0.268
78	792	0.000
Median	792	0.000
78	780	0.208
266	744	0.833
77	741	0.885
Std Dev	734	1.000
77	730	1.076

993 Other(describe)		
Lab	ppm	Zinc, Zn
19	739	-0.566
13	716	0.000
Median	716	0.000
Std Dev	675	1.000
19	630	2.114