

# AFPC Rock Check Program

Sample No. 2013-08

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	27	1.54	0.177
Other (describe)	102	1	0.44	
<b>Method Group 100</b>		<b>28</b>	<b>1.53</b>	<b>0.20</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	3	28.39	0.160
ICP-induced coupled plasma AFPC IX.3.D	202	4	28.57	1.067
Photometric-AFPC IX.3.C	203	16	28.55	0.174
Automated -AOAC 978.01-15th	204	11	28.45	0.065
Other(describe)	205	2	29.02	0.004
<b>Method Group 200</b>		<b>36</b>	<b>28.52</b>	<b>0.15</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	28.90	0.115
ICP-induced coupled plasma AFPC IX.3.D	212	4	29.04	1.071
Photometric-AFPC IX.3.C	213	8	29.02	0.092
Automated -AOAC 978.01-15th	214	11	28.90	0.085
Other(describe)	215	1	29.14	0.000
<b>Method Group 210</b>		<b>26</b>	<b>29.01</b>	<b>0.14</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	3	0.70	0.093
ICP-induced coupled plasma-AFPC IX.6.C	302	26	0.51	0.261
Other(describe)	303	4	0.71	0.127
<b>Method Group 300</b>		<b>33</b>	<b>0.66</b>	<b>0.26</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	0.44	0.011
ICP-induced coupled plasma-AFPC IX.7.C	402	26	0.39	0.030
Other(describe)	403	4	0.43	0.013
<b>Method Group 400</b>		<b>32</b>	<b>0.39</b>	<b>0.04</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	5	0.61	0.045
ICP-induced coupled plasma-AFPC IX.8.B	502	26	0.63	0.025
Other(describe)	503	3	0.57	0.011
<b>Method Group 500</b>		<b>34</b>	<b>0.63</b>	<b>0.03</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	23	4.17	0.302
Other(describe)	602	3	3.25	0.672
<b>Method Group 600</b>		<b>26</b>	<b>4.09</b>	<b>0.32</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	13	6.35	0.410
Other(describe)	652	9	6.23	3.439
<b>Method Group 650</b>		<b>22</b>	<b>6.35</b>	<b>0.66</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	18	46.77	0.322
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	47.41	0.369
EDTA Volumetric-AFPC IX.12.C	705	5	47.86	1.201
Other(describe)	706	10	46.70	0.418
<b>Method Group 700</b>		<b>36</b>	<b>46.77</b>	<b>0.69</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	11	47.42	0.228
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	47.86	0.118
EDTA Volumetric-AFPC IX.12.C	715	5	48.54	1.273
Other(describe)	716	9	47.44	0.524
<b>Method Group 710</b>		<b>27</b>	<b>47.45</b>	<b>0.44</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	22	3.41	0.072
Other (describe)	803	4	3.35	0.127
<b>Method Group 800</b>		<b>26</b>	<b>3.40</b>	<b>0.07</b>
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	6	17.6	9.02
Other(describe)	913	2	9.7	6.03
<b>Method Group 900</b>		<b>8</b>	<b>17.2</b>	<b>11.12</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	10	31	2.0
Other(describe)	923	1	28	0.0
<b>Method Group 910</b>		<b>11</b>	<b>30</b>	<b>2.5</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	9	1	0.7
Other(describe)	933	1	0	0.0
<b>Method Group 920</b>		<b>10</b>	<b>1</b>	<b>0.6</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.1	0.02
Other(describe)	943	1	0.2	0.00
<b>Method Group 930</b>		<b>3</b>	<b>0.1</b>	<b>0.06</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	6	9	1.5
Other(describe)	953	1	12	0.0
<b>Method Group 940</b>		<b>7</b>	<b>9</b>	<b>1.4</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	10	19	3.1
Other(describe)	963	2	24	5.2
<b>Method Group 950</b>		<b>12</b>	<b>19</b>	<b>2.8</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	7	2	1.5
Other(describe)	973	1	3	0.0
<b>Method Group 960</b>		<b>8</b>	<b>3</b>	<b>1.5</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	3	0.3
Other(describe)	983	1	5	0.0
<b>Method Group 970</b>		<b>4</b>	<b>4</b>	<b>0.6</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	295	0
ICP-induced coupled plasma-AFPC IX.16.A	992	10	249	17
Other(describe)	993	3	243	13
<b>Method Group 980</b>		<b>14</b>	<b>249</b>	<b>17</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
21	1.74	-1.128	
15	1.74	-1.100	
15	1.72	-1.016	
<b>Std Dev</b>	<b>1.72</b>	<b>-1.000</b>	
21	1.70	-0.903	
10	1.70	-0.875	
75	1.66	-0.677	
75	1.59	-0.282	
10	1.59	-0.254	
16	1.58	-0.226	
24	1.57	-0.169	
24	1.56	-0.113	
13	1.56	-0.085	
49	1.55	-0.056	
16	1.54	0.000	
<b>Median</b>	<b>1.54</b>	<b>0.000</b>	
13	1.52	0.113	
9	1.52	0.141	
9	1.49	0.282	
35	1.47	0.395	
35	1.40	0.790	
275	1.38	0.903	
<b>Std Dev</b>	<b>1.36</b>	<b>1.000</b>	
275	1.32	1.241	
55	1.30	1.354	
30	1.26	1.580	
266	1.10	2.483	
26	1.10	2.511	
77	0.87	3.780	
77	0.24	7.335	

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
280	0.44	0.000	
<b>Median</b>	<b>0.44</b>	<b>0.000</b>	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	28.80	-2.555	
<b>Std Dev</b>	<b>28.55</b>	<b>-1.000</b>	
55	28.39	0.000	
<b>Median</b>	<b>28.39</b>	<b>0.000</b>	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	34.16	-5.243	
<b>Std Dev</b>	<b>29.63</b>	<b>-1.000</b>	
10	28.57	-0.005	
<b>Median</b>	<b>28.57</b>	<b>0.000</b>	
10	28.56	0.005	
16	28.47	0.089	

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	29.03	-2.752	
270	28.88	-1.913	
35	28.85	-1.715	
<b>Std Dev</b>	<b>28.73</b>	<b>-1.000</b>	
9	28.60	-0.274	
9	28.59	-0.216	
16	28.57	-0.101	
26	28.56	-0.043	
49	28.56	-0.043	
<b>Median</b>	<b>28.55</b>	<b>0.000</b>	
78	28.55	0.043	
30	28.51	0.245	
45	28.41	0.821	
<b>Std Dev</b>	<b>28.38</b>	<b>1.000</b>	
78	28.37	1.052	
45	28.33	1.282	
92	28.32	1.340	
92	28.29	1.513	
60	27.55	5.778	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	28.67	-3.293	
15	28.59	-2.067	
75	28.52	-1.072	
<b>Std Dev</b>	<b>28.52</b>	<b>-1.000</b>	
13	28.48	-0.383	
21	28.46	-0.077	
77	28.45	0.000	
<b>Median</b>	<b>28.45</b>	<b>0.000</b>	
24	28.45	0.077	

205 Other(describe)			
Lab	%	P2O5	
13	28.43	0.383	
24	28.40	0.842	
<b>Std Dev</b>	<b>28.38</b>	<b>1.000</b>	
21	28.38	1.072	
75	28.34	1.685	

205 Other(describe)			
Lab	%	P2O5	
19	29.02	-1.340	
<b>Std Dev</b>	<b>29.02</b>	<b>-1.000</b>	
<b>Median</b>	<b>29.02</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>29.01</b>	<b>1.000</b>	
280	29.01	1.340	

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	29.05	-1.340	
<b>Std Dev</b>	<b>29.01</b>	<b>-1.000</b>	
<b>Median</b>	<b>28.90</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>28.78</b>	<b>1.000</b>	
55	28.74	1.340	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	34.54	-5.134	
<b>Std Dev</b>	<b>30.11</b>	<b>-1.000</b>	
10	29.06	-0.020	
<b>Median</b>	<b>29.04</b>	<b>0.000</b>	
10	29.02	0.020	
16	28.93	0.107	

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	29.44	-4.574	
35	29.28	-2.823	
<b>Std Dev</b>	<b>29.11</b>	<b>-1.000</b>	
9	29.04	-0.220	
9	29.02	-0.030	
<b>Median</b>	<b>29.02</b>	<b>0.000</b>	
16	29.02	0.030	
49	29.01	0.108	
<b>Std Dev</b>	<b>28.93</b>	<b>1.000</b>	
26	28.88	1.553	
30	28.87	1.579	

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	29.17	-3.204	
15	29.09	-2.293	
75	29.00	-1.249	
<b>Std Dev</b>	<b>28.98</b>	<b>-1.000</b>	
21	28.95	-0.607	
13	28.91	-0.221	
24	28.90	0.000	
<b>Median</b>	<b>28.90</b>	<b>0.000</b>	
21	28.88	0.156	
13	28.87	0.258	
24	28.85	0.566	
<b>Std Dev</b>	<b>28.81</b>	<b>1.000</b>	
75	28.80	1.158	
77	28.52	4.462	

215 Other(describe)			
Lab	%	P2O5	dB
280	29.14	0.000	
<b>Median</b>	<b>29.14</b>	<b>0.000</b>	

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
30	0.75	-0.590	
60	0.70	0.000	
<b>Median</b>	<b>0.70</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.60</b>	<b>1.000</b>	
55	0.50	2.090	

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
266	1.16	-2.497	
<b>Std Dev</b>	<b>0.77</b>	<b>-1.000</b>	
45	0.71	-0.775	
78	0.71	-0.775	
78	0.71	-0.756	
270	0.70	-0.718	
15	0.69	-0.698	
45	0.69	-0.698	
75	0.68	-0.644	
15	0.68	-0.641	
75	0.67	-0.636	

92	0.67	-0.622
275	0.66	-0.584
92	0.64	-0.507
<b>Median</b>	<b>0.51</b>	<b>0.000</b>
13	0.38	0.507
49	0.37	0.526
9	0.35	0.622
16	0.34	0.641
16	0.34	0.641
9	0.34	0.641
10	0.34	0.660
10	0.34	0.660
13	0.33	0.679
21	0.33	0.679
21	0.33	0.679
24	0.31	0.756
24	0.29	0.832

303 Other(describe)		
Lab	%	Fe2O3
77	0.75	-0.315
77	0.74	-0.236
<b>Median</b>	<b>0.71</b>	<b>0.000</b>
19	0.68	0.236
<b>Std Dev</b>	<b>0.58</b>	<b>1.000</b>
280	0.25	3.626

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	0.45	-1.340
<b>Std Dev</b>	<b>0.45</b>	<b>-1.000</b>
<b>Median</b>	<b>0.44</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.42</b>	<b>1.000</b>
55	0.42	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.71	-44.198
45	0.45	-2.168
78	0.45	-2.001
78	0.44	-1.668
<b>Std Dev</b>	<b>0.41</b>	<b>-1.000</b>
45	0.41	-0.834
92	0.41	-0.834

92	0.41	-0.834
275	0.41	-0.834
24	0.40	-0.500
270	0.40	-0.334
9	0.39	-0.167
13	0.39	-0.167
49	0.39	-0.167
<b>Median</b>	<b>0.39</b>	<b>0.000</b>
9	0.38	0.167
15	0.38	0.334
15	0.37	0.500
16	0.37	0.500
16	0.37	0.500
21	0.37	0.500
75	0.37	0.508
10	0.37	0.667
75	0.36	0.795
<b>Std Dev</b>	<b>0.36</b>	<b>1.000</b>
24	0.36	1.001
10	0.35	1.168
21	0.33	1.835
13	0.33	2.001

403 Other(describe)		
Lab	%	Al2O3
77	0.44	-1.149
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
77	0.43	-0.383
<b>Median</b>	<b>0.43</b>	<b>0.000</b>
280	0.42	0.383
<b>Std Dev</b>	<b>0.41</b>	<b>1.000</b>
19	0.40	1.914

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.66	-1.117
<b>Std Dev</b>	<b>0.65</b>	<b>-1.000</b>
35	0.64	-0.670
35	0.61	0.000
<b>Median</b>	<b>0.61</b>	<b>0.000</b>
30	0.58	0.670
60	0.58	0.670

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
45	0.71	-3.175
45	0.69	-2.381
92	0.69	-2.381
92	0.68	-1.984
<b>Std Dev</b>	<b>0.66</b>	<b>-1.000</b>
15	0.66	-0.992
10	0.65	-0.793
16	0.65	-0.793
16	0.65	-0.793
10	0.65	-0.595
15	0.65	-0.595
24	0.65	-0.595
49	0.64	-0.396
270	0.63	-0.001
<b>Median</b>	<b>0.63</b>	<b>0.000</b>
9	0.63	0.001
9	0.63	0.001
21	0.63	0.001
21	0.63	0.001
78	0.63	0.199
24	0.62	0.398
78	0.62	0.596
13	0.61	0.795
275	0.61	0.795
<b>Std Dev</b>	<b>0.60</b>	<b>1.000</b>
13	0.58	1.986
75	0.55	3.172
75	0.54	3.488
266	0.35	11.118

503 Other(describe)		
Lab	%	MgO
19	0.60	-2.680
<b>Std Dev</b>	<b>0.58</b>	<b>-1.000</b>
77	0.57	0.000
77	0.57	0.000
<b>Median</b>	<b>0.57</b>	<b>0.000</b>

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
9	4.41	-0.778
10	4.37	-0.662

49	4.36	-0.629
16	4.31	-0.463
10	4.29	-0.380
15	4.26	-0.298
15	4.26	-0.281
16	4.25	-0.265
13	4.22	-0.149
35	4.19	-0.066
9	4.19	-0.050
13	4.17	0.000
<b>Median</b>	<b>4.17</b>	<b>0.000</b>
45	4.01	0.529
24	4.00	0.562
21	3.96	0.711
45	3.92	0.827
<b>Std Dev</b>	<b>3.87</b>	<b>1.000</b>
26	3.86	1.026
21	3.85	1.075
24	3.83	1.141
35	3.80	1.224
275	3.75	1.390
275	3.74	1.423
30	3.66	1.687

602 Other(describe)		
Lab	%	Al
19	4.65	-2.084
<b>Std Dev</b>	<b>3.92</b>	<b>-1.000</b>
266	3.25	0.000
<b>Median</b>	<b>3.25</b>	<b>0.000</b>
280	2.85	0.596

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
21	6.91	-1.364
21	6.86	-1.243
<b>Std Dev</b>	<b>6.76</b>	<b>-1.000</b>
30	6.66	-0.755
77	6.63	-0.682
77	6.44	-0.219
24	6.43	-0.195
15	6.35	0.000
<b>Median</b>	<b>6.35</b>	<b>0.000</b>
15	6.34	0.024

9	6.08	0.658
9	6.08	0.658
Std Dev	5.94	1.000
13	5.87	1.169
13	5.82	1.291
49	5.51	2.047

652 Other(describe)		
Lab	%	CO2
35	11.50	-1.533
35	11.40	-1.503
Std Dev	9.67	-1.000
55	8.29	-0.599
280	6.94	-0.206
275	6.23	0.000
Median	6.23	0.000
275	6.13	0.029
78	3.68	0.741
78	3.61	0.762
Std Dev	2.79	1.000
266	2.65	1.041

701 Gravimetric sulfate-AFPC IX.12.A		
Lab	%	CaO
Median	0.00	0.000

702 ICP-induced coupled plasma-AFPC IX.12.D		
Lab	%	CaO
45	48.21	-4.474
45	47.89	-3.480
78	47.73	-2.983
270	47.46	-2.157
Std Dev	47.09	-1.000
49	47.02	-0.777
21	46.95	-0.559
78	46.84	-0.218
21	46.80	-0.093
10	46.80	-0.078
Median	46.77	0.000
9	46.75	0.078
16	46.67	0.311
9	46.62	0.482
10	46.61	0.513
16	46.56	0.653

92	46.56	0.653
Std Dev	46.45	1.000
92	46.41	1.119
75	44.53	6.948
75	43.74	9.427

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

704 Permanganate		
Lab	%	CaO
280	47.49	-0.217
30	47.41	0.000
Median	47.41	0.000
Std Dev	47.04	1.000
60	46.50	2.463

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
266	48.27	-0.341
35	47.92	-0.050
35	47.86	0.000
Median	47.86	0.000
Std Dev	46.66	1.000
275	46.31	1.290
275	46.23	1.357

706 Other(describe)		
Lab	%	CaO
55	48.12	-3.392
19	47.60	-2.148
Std Dev	47.12	-1.000
15	47.04	-0.808
15	47.02	-0.760
24	46.71	-0.006
Median	46.70	0.000
24	46.70	0.006
13	46.66	0.114
13	46.42	0.688
Std Dev	46.28	1.000
77	46.00	1.681
77	46.00	1.681

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
21	47.76		-1.505
49	47.76		-1.498
Std Dev	47.65		-1.000
21	47.63		-0.920
10	47.60		-0.802
9	47.45		-0.144
16	47.42		0.000
Median	47.42		0.000
10	47.36		0.279
9	47.33		0.383
16	47.29		0.575
Std Dev	47.19		1.000
75	45.29		9.369
75	44.44		13.072

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

714 Permanganate			
Lab	%	CaO	dB
30	48.01		-1.340
Std Dev	47.98		-1.000
Median	47.86		0.000
Std Dev	47.74		1.000
280	47.70		1.340

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	48.81		-0.210
35	48.63		-0.075
35	48.54		0.000
Median	48.54		0.000
Std Dev	47.27		1.000
275	46.93		1.265
275	46.88		1.306

716 Other(describe)			
Lab	%	CaO	dB
55	48.75		-2.498
Std Dev	47.97		-1.000
15	47.86		-0.799
15	47.85		-0.774
24	47.45		0.000
24	47.44		0.000
Median	47.44		0.000
13	47.38		0.133
13	47.15		0.566
Std Dev	46.92		1.000
77	46.40		1.987
77	46.11		2.547

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

802 Specific Ion Electrode-AFPC IX.14.B			
Lab	%	Fluorine, F	
35	3.66		-3.481
35	3.59		-2.506
75	3.50		-1.253
270	3.50		-1.253
Std Dev	3.48		-1.000
55	3.47		-0.835
266	3.46		-0.696
9	3.43		-0.209
21	3.43		-0.209
49	3.42		-0.139
9	3.42		-0.070
21	3.42		-0.070
Median	3.41		0.000
75	3.41		0.070
275	3.39		0.278
13	3.39		0.278
15	3.37		0.557
15	3.37		0.557
275	3.35		0.835
13	3.35		0.835
24	3.34		0.975
Std Dev	3.34		1.000
24	3.32		1.323

30	3.19	3.063
26	3.15	3.689

803 Other(describe)		
Lab	%	Fluorine, F
77	3.45	-0.828
19	3.36	-0.118
Median	3.35	0.000
77	3.33	0.118
Std Dev	3.22	1.000
280	2.86	3.823

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
Median	0.0	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
266	34.2	-1.846
Std Dev	26.6	-1.000
78	20.4	-0.316
270	18.6	-0.111
Median	17.6	0.000
78	16.6	0.111
Std Dev	8.5	1.000
24	5.0	1.397
77	1.6	1.768

913 Other(describe)		
Lab	ppm	Arsenic, As
13	17.8	-1.340
Std Dev	15.7	-1.000
Median	9.7	0.000
Std Dev	3.6	1.000
77	1.6	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
Median	0	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
24	32	-0.750
78	32	-0.611

77	32	-0.599
270	32	-0.423
78	32	-0.408
Median	31	0.000
75	30	0.408
75	30	0.408
77	29	0.911
Std Dev	29	1.000
24	28	1.465
266	6	12.315

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	28	0.000
Median	28	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
Median	0	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
266	4	-3.752
Std Dev	1	-1.000
78	1	-0.402
78	1	-0.402
270	1	-0.067
77	1	0.000
Median	1	0.000
77	1	0.268
24	0	0.938
75	0	0.938
75	0	0.938

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	0	0.000
Median	0	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	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.0	1.000
270	0.0	1.340

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	0.2	0.000
Median	0.2	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Molybdenum, Mo
Median	0	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Molybdenum, Mo
266	10	-0.613
78	10	-0.433
78	9	-0.133
Median	9	0.000
270	9	0.133
Std Dev	7	1.000
77	7	1.265
24	0	5.926

953 Other(describe)		
Lab	ppm	Molybdenum, Mo
13	12	0.000
Median	12	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
Median	0	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
77	23	-1.372
77	23	-1.372
Std Dev	22	-1.000
75	19	-0.081
78	19	-0.081

270	19	-0.081
Median	19	0.000
75	19	0.081
78	18	0.242
Std Dev	16	1.000
266	14	1.598
24	8	3.471
24	8	3.584

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	31	-1.340
Std Dev	29	-1.000
Median	24	0.000
Std Dev	19	1.000
13	17	1.340

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	34	-21.239
270	4	-1.206
Std Dev	4	-1.000
77	3	-0.536
24	2	0.000
Median	2	0.000
77	2	0.201
78	1	0.737
78	1	0.737

973 Other(describe)		
Lab	ppm	Lead, Pb
13	3	0.000
Median	3	0.000

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

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

266	4	-2.297
Std Dev	4	-1.000
77	3	0.000
Median	3	0.000
77	3	0.383

983	Other(describe)	
Lab	ppm	Selenium, Se
13	5	0.000
Median	5	0.000

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
60	295	0.000
Median	295	0.000

992	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
270	264	-0.897
78	259	-0.594
24	257	-0.455
75	254	-0.292
75	251	-0.110
Median	249	0.000
24	247	0.110
78	243	0.404
Std Dev	233	1.000
77	231	1.100
77	229	1.221
266	78	10.368

993	Other(describe)	
Lab	ppm	Zinc, Zn
19	251	-0.631
19	243	0.000
Median	243	0.000
Std Dev	230	1.000
13	217	2.049