

# AFPC Rock Check Program

Sample No. 2017-10

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	31	0.74	0.110
Other (describe)	102	2	0.66	0.063
<b>Method Group 100</b>		<b>33</b>	<b>0.74</b>	<b>0.11</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	29.51	0.046
ICP-induced coupled plasma AFPC IX.3.D	202	3	29.31	0.075
Photometric-AFPC IX.3.C	203	19	29.49	0.118
Automated -AOAC 978.01-15th	204	11	29.43	0.041
Other(describe)	205	5	29.70	0.015
<b>Method Group 200</b>		<b>42</b>	<b>29.48</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	29.74	0.095
ICP-induced coupled plasma AFPC IX.3.D	212	3	29.52	0.071
Photometric-AFPC IX.3.C	213	13	29.65	0.113
Automated -AOAC 978.01-15th	214	11	29.64	0.071
Other(describe)	215	4	29.88	0.063
<b>Method Group 210</b>		<b>33</b>	<b>29.65</b>	<b>0.13</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	1	0.95	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	30	1.05	0.025
Other(describe)	303	7	1.18	0.080
<b>Method Group 300</b>		<b>38</b>	<b>1.05</b>	<b>0.07</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	1.15	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	30	1.31	0.093
Other(describe)	403	7	1.83	0.366
<b>Method Group 400</b>		<b>38</b>	<b>1.33</b>	<b>0.27</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	3	0.44	0.004
ICP-induced coupled plasma-AFPC IX.8.B	502	28	0.41	0.015
Other(describe)	503	7	0.42	0.016
<b>Method Group 500</b>		<b>38</b>	<b>0.41</b>	<b>0.02</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	25	12.94	0.216
Other(describe)	602	6	13.30	6.217
<b>Method Group 600</b>		<b>31</b>	<b>12.99</b>	<b>0.24</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	17	3.40	0.153
Other(describe)	652	13	3.40	0.590
<b>Method Group 650</b>		<b>30</b>	<b>3.40</b>	<b>0.24</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	25	42.74	0.590
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.77	0.000
EDTA Volumetric-AFPC IX.12.C	705	1	43.17	0.000
Other(describe)	706	12	42.98	0.576
<b>Method Group 700</b>		<b>39</b>	<b>42.82</b>	<b>0.81</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	19	43.06	0.652
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	43.04	0.000
EDTA Volumetric-AFPC IX.12.C	715	1	43.52	0.000
Other(describe)	716	10	43.30	0.465
<b>Method Group 710</b>		<b>31</b>	<b>43.13</b>	<b>0.69</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	26	3.35	0.098
Other (describe)	803	6	3.40	0.076
<b>Method Group 800</b>		<b>32</b>	<b>3.37</b>	<b>0.09</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	8.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	12	9.5	3.05
Other(describe)	913	4	9.5	0.85
<b>Method Group 900</b>		<b>17</b>	<b>9.0</b>	<b>1.87</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	19	4	0.8
Other(describe)	923	3	7	1.3
<b>Method Group 910</b>		<b>23</b>	<b>4</b>	<b>0.9</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	13	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	14	16	6.8
Other(describe)	933	3	70	20.3
<b>Method Group 920</b>		<b>18</b>	<b>17</b>	<b>6.1</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	6	0.1	0.05
Other(describe)	943	4	26.3	39.27
<b>Method Group 930</b>		<b>10</b>	<b>0.1</b>	<b>0.07</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	23	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	12	24	3.0
Other(describe)	953	1	24	0.0
<b>Method Group 940</b>		<b>14</b>	<b>24</b>	<b>1.5</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	23	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	15	21	5.4
Other(describe)	963	3	42	7.1
<b>Method Group 950</b>		<b>19</b>	<b>23</b>	<b>5.0</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	14	21	5.8
Other(describe)	973	3	18	0.8
<b>Method Group 960</b>		<b>18</b>	<b>20</b>	<b>4.5</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	5	1	1.7
Other(describe)	983	1	5	0.0
<b>Method Group 970</b>		<b>7</b>	<b>2</b>	<b>2.8</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	41	0
ICP-induced coupled plasma-AFPC IX.16.A	992	15	37	7
Other(describe)	993	3	40	0
<b>Method Group 980</b>		<b>19</b>	<b>40</b>	<b>4</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
52	0.95		-1.908
Std Dev	0.85		-1.000
15	0.82		-0.727
26	0.81		-0.636
55	0.80		-0.545
266	0.80		-0.545
15	0.80		-0.500
21	0.77		-0.273
21	0.77		-0.273
10	0.76		-0.182
13	0.76		-0.136
24	0.76		-0.136
13	0.75		-0.091
9	0.75		-0.045
49	0.75		-0.045
6	0.74		0.000
9	0.74		0.000
Median	0.74		0.000
6	0.73		0.091
24	0.73		0.136
10	0.71		0.273
69	0.70		0.363
35	0.64		0.908
30	0.63		0.999
Std Dev	0.63		1.000
61	0.63		1.045
20	0.61		1.181
61	0.60		1.272
275	0.59		1.408
75	0.50		2.180
75	0.47		2.498
35	0.44		2.725
77	0.42		2.907
77	0.31		3.906

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
49	0.75		-1.340
Std Dev	0.72		-1.000
Median	0.66		0.000
Std Dev	0.60		1.000
20	0.58		1.340

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
55	29.63		-2.571
Std Dev	29.56		-1.000
56	29.53		-0.383
Median	29.51		0.000
65	29.50		0.383
77	29.49		0.492

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
10	29.43		-1.608
Std Dev	29.38		-1.000
10	29.31		0.000
Median	29.31		0.000
Std Dev	29.24		1.000
266	29.23		1.072

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
45	30.17		-5.828
51	29.79		-2.595
51	29.75		-2.255
9	29.68		-1.617
Std Dev	29.60		-1.000
9	29.59		-0.893
6	29.56		-0.596
30	29.54		-0.468
52	29.50		-0.128
35	29.49		-0.043
49	29.49		0.000
Median	29.49		0.000
92	29.47		0.128
35	29.45		0.298
6	29.42		0.553
92	29.42		0.553
26	29.41		0.638
275	29.41		0.681
Std Dev	29.37		1.000
45	29.33		1.319
61	29.30		1.574
61	29.08		3.488

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
21	29.89		-11.085
21	29.86		-10.476
Std Dev	29.47		-1.000
24	29.45		-0.487
13	29.43		0.000
24	29.43		0.000
77	29.43		0.000
Median	29.43		0.000
15	29.42		0.365
13	29.40		0.853
Std Dev	29.39		1.000
15	29.38		1.340
75	29.36		1.705
75	29.30		3.167

205 Other (describe)			
Lab	%	P2O5	
69	29.75		-3.685
20	29.71		-1.005
Std Dev	29.71		-1.000
20	29.70		0.000
Median	29.70		0.000
56	29.69		0.335
Std Dev	29.68		1.000
49	29.48		14.405

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	29.87		-1.340
Std Dev	29.84		-1.000
Median	29.74		0.000
Std Dev	29.65		1.000
77	29.61		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
10	29.66		-1.919
Std Dev	29.59		-1.000
10	29.52		0.000
Median	29.52		0.000
266	29.47		0.761

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
9	29.90		-2.169
9	29.81		-1.427
52	29.78		-1.170
6	29.77		-1.077
Std Dev	29.76		-1.000
30	29.73		-0.680
49	29.71		-0.495
26	29.65		0.000
Median	29.65		0.000
35	29.64		0.092
6	29.64		0.096
35	29.62		0.263
275	29.58		0.636
Std Dev	29.54		1.000
61	29.48		1.528
61	29.26		3.458

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
21	30.12		-6.683
21	30.09		-6.326
Std Dev	29.72		-1.000
24	29.67		-0.412
13	29.65		-0.127
15	29.65		-0.082
24	29.64		0.000
Median	29.64		0.000
15	29.62		0.383
13	29.62		0.394
Std Dev	29.57		1.000
77	29.52		1.747
75	29.51		1.945
75	29.44		2.946

215 Other (describe)			
Lab	%	P2O5	dB
69	29.96		-1.282
Std Dev	29.94		-1.000
20	29.89		-0.205
Median	29.88		0.000
20	29.87		0.205
Std Dev	29.82		1.000

49 29.70 2.850

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
55	0.95	0.000
<b>Median</b>	<b>0.95</b>	<b>0.000</b>

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
266	1.25	-7.941
35	1.22	-6.750
61	1.18	-4.963
15	1.11	-2.382
15	1.11	-2.382
35	1.10	-1.985
51	1.08	-1.191
<b>Std Dev</b>	<b>1.08</b>	<b>-1.000</b>
6	1.07	-0.794
9	1.07	-0.794
10	1.06	-0.397
45	1.06	-0.397
51	1.06	-0.397
6	1.06	-0.199
9	1.06	-0.199
10	1.05	0.000
45	1.05	0.000
52	1.05	0.000
<b>Median</b>	<b>1.05</b>	<b>0.000</b>
21	1.05	0.199
21	1.05	0.199
13	1.04	0.397
92	1.04	0.397
92	1.04	0.397
13	1.04	0.596
<b>Std Dev</b>	<b>1.02</b>	<b>1.000</b>
49	1.01	1.787
61	0.98	2.779
24	0.96	3.573
75	0.96	3.619
75	0.95	4.165
24	0.95	4.169
69	0.70	13.801

303 Other(describe)		
Lab	%	Fe2O3
77	1.31	-1.683
<b>Std Dev</b>	<b>1.26</b>	<b>-1.000</b>
65	1.21	-0.374
77	1.19	-0.187
20	1.18	0.000
<b>Median</b>	<b>1.18</b>	<b>0.000</b>
20	1.17	0.062
<b>Std Dev</b>	<b>1.09</b>	<b>1.000</b>
49	1.01	2.057
56	0.94	2.929

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.15	0.000
<b>Median</b>	<b>1.15</b>	<b>0.000</b>

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
35	31.74	-326.236
266	2.28	-10.425
52	1.90	-6.352
51	1.82	-5.494
51	1.75	-4.744
35	1.70	-4.208
61	1.52	-2.224
92	1.41	-1.099
<b>Std Dev</b>	<b>1.40</b>	<b>-1.000</b>
92	1.40	-0.992
15	1.38	-0.777
15	1.37	-0.670
61	1.34	-0.348
24	1.34	-0.295
75	1.33	-0.203
6	1.31	-0.027
<b>Median</b>	<b>1.31</b>	<b>0.000</b>
6	1.31	0.027
21	1.31	0.027
24	1.31	0.027
45	1.30	0.080
49	1.30	0.134
10	1.29	0.188
10	1.29	0.188

21	1.28	0.295
45	1.28	0.295
75	1.28	0.324
13	1.25	0.616
9	1.25	0.670
9	1.24	0.777
<b>Std Dev</b>	<b>1.21</b>	<b>1.000</b>
13	1.21	1.045
69	0.81	5.327

403 Other(describe)		
Lab	%	Al2O3
65	2.11	-0.752
56	2.02	-0.520
77	1.99	-0.438
77	1.83	0.000
<b>Median</b>	<b>1.83</b>	<b>0.000</b>
20	1.52	0.861
20	1.52	0.861
<b>Std Dev</b>	<b>1.46</b>	<b>1.000</b>
49	1.29	1.477

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.45	-2.680
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
35	0.44	0.000
35	0.44	0.000
<b>Median</b>	<b>0.44</b>	<b>0.000</b>

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
61	0.45	-2.680
69	0.44	-2.030
15	0.44	-1.675
15	0.44	-1.675
6	0.43	-1.005
<b>Std Dev</b>	<b>0.42</b>	<b>-1.000</b>
21	0.42	-0.670
21	0.42	-0.670
51	0.42	-0.670
49	0.41	0.000
6	0.41	0.000
10	0.41	0.000

10	0.41	0.000
13	0.41	0.000
13	0.41	0.000
51	0.41	0.000
92	0.41	0.000
92	0.41	0.000
266	0.41	0.000
<b>Median</b>	<b>0.41</b>	<b>0.000</b>
9	0.40	0.670
24	0.40	0.670
45	0.40	0.670
45	0.40	0.670
75	0.40	0.959
<b>Std Dev</b>	<b>0.40</b>	<b>1.000</b>
9	0.40	1.005
24	0.40	1.005
75	0.37	2.637
61	0.37	2.680
52	0.36	3.350

503 Other(describe)		
Lab	%	MgO
20	0.45	-1.595
<b>Std Dev</b>	<b>0.44</b>	<b>-1.000</b>
20	0.44	-0.957
65	0.43	-0.447
49	0.42	0.000
56	0.42	0.000
<b>Median</b>	<b>0.42</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.40</b>	<b>1.000</b>
77	0.40	1.276
77	0.39	1.914

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
45	13.72	-3.604
55	13.70	-3.512
45	13.47	-2.449
21	13.31	-1.710
24	13.18	-1.109
<b>Std Dev</b>	<b>13.16</b>	<b>-1.000</b>
26	13.12	-0.832
9	13.12	-0.809
35	13.08	-0.647

9	13.06	-0.554
13	13.01	-0.323
10	13.01	-0.323
51	13.00	-0.277
24	12.94	0.000
<b>Median</b>	<b>12.94</b>	<b>0.000</b>
21	12.87	0.323
30	12.85	0.416
13	12.84	0.462
51	12.84	0.462
35	12.83	0.508
15	12.83	0.531
15	12.83	0.531
10	12.81	0.601
61	12.79	0.693
49	12.77	0.809
<b>Std Dev</b>	<b>12.72</b>	<b>1.000</b>
61	10.98	9.080
69	2.17	49.765

602 Other(describe)		
Lab	%	AI
20	23.91	-1.707
20	23.87	-1.700
<b>Std Dev</b>	<b>19.51</b>	<b>-1.000</b>
266	13.60	-0.049
<b>Median</b>	<b>13.30</b>	<b>0.000</b>
6	12.99	0.049
6	12.96	0.054
49	12.88	0.067

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
69	5.29	-12.321
61	3.60	-1.275
9	3.56	-1.046
9	3.56	-1.046
<b>Std Dev</b>	<b>3.55</b>	<b>-1.000</b>
13	3.52	-0.784
30	3.52	-0.784
13	3.48	-0.490
24	3.46	-0.360
52	3.40	0.000
<b>Median</b>	<b>3.40</b>	<b>0.000</b>

6	3.37	0.229
24	3.36	0.261
77	3.36	0.261
6	3.32	0.556
77	3.30	0.654
49	3.30	0.686
<b>Std Dev</b>	<b>3.25</b>	<b>1.000</b>
15	3.02	2.484
15	2.97	2.811

652 Other(describe)		
Lab	%	CO2
35	6.05	-4.503
35	6.00	-4.419
<b>Std Dev</b>	<b>3.98</b>	<b>-1.000</b>
55	3.90	-0.857
51	3.80	-0.687
51	3.70	-0.517
56	3.60	-0.348
65	3.40	0.000
<b>Median</b>	<b>3.40</b>	<b>0.000</b>
20	3.26	0.229
20	3.23	0.280
21	3.01	0.653
21	2.96	0.738
49	2.91	0.823
<b>Std Dev</b>	<b>2.81</b>	<b>1.000</b>
266	2.49	1.535

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	
52	52.68	-16.860	
75	45.29	-4.325	
75	43.88	-1.939	
51	43.50	-1.289	
61	43.39	-1.103	
51	43.37	-1.069	
<b>Std Dev</b>	<b>43.33</b>	<b>-1.000</b>	
10	42.99	-0.424	
9	42.96	-0.373	

9	42.91	-0.288
10	42.89	-0.254
45	42.86	-0.204
6	42.82	-0.136
6	42.74	0.000
<b>Median</b>	<b>42.74</b>	<b>0.000</b>
45	42.62	0.204
49	42.49	0.433
13	42.38	0.611
21	42.23	0.874
13	42.22	0.882
92	42.20	0.916
<b>Std Dev</b>	<b>42.15</b>	<b>1.000</b>
35	42.04	1.187
92	41.86	1.493
69	41.69	1.781
35	41.54	2.035
61	41.37	2.332
21	40.80	3.291

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	42.77	0.000	
<b>Median</b>	<b>42.77</b>	<b>0.000</b>	

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	43.17	0.000	
<b>Median</b>	<b>43.17</b>	<b>0.000</b>	

706 Other(describe)			
Lab	%	CaO	
55	43.70	-1.249	
<b>Std Dev</b>	<b>43.56</b>	<b>-1.000</b>	
56	43.40	-0.729	
77	43.40	-0.729	
49	43.31	-0.564	
77	43.30	-0.555	
24	43.05	-0.121	
<b>Median</b>	<b>42.98</b>	<b>0.000</b>	

24	42.91	0.121
15	42.59	0.677
15	42.58	0.703
65	42.50	0.833
<b>Std Dev</b>	<b>42.40</b>	<b>1.000</b>
20	41.34	2.845
20	41.34	2.845

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.I			
Lab	%	CaO	dB
52	53.19	-15.530	
75	45.50	-3.746	
75	44.10	-1.602	
<b>Std Dev</b>	<b>43.71</b>	<b>-1.000</b>	
61	43.65	-0.910	
10	43.32	-0.400	
9	43.28	-0.340	
9	43.23	-0.266	
10	43.20	-0.212	
6	43.13	-0.117	
6	43.06	0.000	
<b>Median</b>	<b>43.06</b>	<b>0.000</b>	
49	42.80	0.391	
13	42.70	0.550	
21	42.55	0.776	
13	42.54	0.794	
<b>Std Dev</b>	<b>42.41</b>	<b>1.000</b>	
35	42.31	1.147	
69	41.98	1.648	
35	41.72	2.047	
61	41.63	2.198	
21	41.12	2.978	

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	43.04	0.000	

Median	43.04	0.000
--------	-------	-------

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	43.52		0.000
Median	43.52		0.000

716 Other(describe)			
Lab	%	CaO	dB
55	44.05		-1.617
Std Dev	43.77		-1.000
49	43.63		-0.709
77	43.58		-0.608
77	43.43		-0.289
24	43.36		-0.138
Median	43.30		0.000
24	43.24		0.138
15	42.94		0.770
15	42.92		0.826
Std Dev	42.84		1.000
20	41.59		3.669
20	41.58		3.701

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	36.00		-333.366
52	3.59		-2.476
9	3.52		-1.710
30	3.46		-1.149
Std Dev	3.45		-1.000
13	3.45		-0.995
21	3.44		-0.893
21	3.43		-0.842
275	3.42		-0.740
24	3.41		-0.587
275	3.40		-0.485
49	3.38		-0.281
15	3.37		-0.230
24	3.37		-0.179
Median	3.35		0.000

15	3.33	0.179
75	3.33	0.179
6	3.32	0.332
26	3.32	0.332
75	3.32	0.332
13	3.30	0.485
69	3.30	0.536
6	3.29	0.587
9	3.27	0.791
Std Dev	3.25	1.000
55	3.19	1.608
266	3.18	1.710
51	3.17	1.812
51	3.09	2.629

803 Other(describe)			
Lab	%	Fluorine, F	
77	3.48		-1.092
20	3.48		-1.026
Std Dev	3.47		-1.000
77	3.42		-0.298
Median	3.40		0.000
20	3.38		0.298
49	3.36		0.562
65	3.35		0.629

911 Atomic Absorption-AFPC			
Lab	ppm	Arsenic, As	
55	8.0		0.000
Median	8.0		0.000

912 ICP-induced coupled plasma-AFPC IX.15.B			
Lab	ppm	Arsenic, As	
61	20.1		-3.472
Std Dev	12.5		-1.000
24	12.3		-0.918
51	12.0		-0.820
61	11.2		-0.551
24	10.5		-0.328
51	10.0		-0.164
Median	9.5		0.000
35	9.0		0.164
77	8.7		0.262
52	7.4		0.689

35	7.0	0.820
69	6.8	0.884
Std Dev	6.5	1.000
266	5.8	1.214

913 Other(describe)			
Lab	ppm	Arsenic, As	
20	10.4		-0.995
20	10.0		-0.585
Median	9.5		0.000
77	9.0		0.585
13	8.8		0.854

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	
51	7		-4.044
51	6		-2.826
61	5		-2.156
Std Dev	5		-1.000
77	4		-0.633
75	4		-0.573
45	4		-0.390
45	4		-0.390
52	4		-0.390
77	4		-0.146
266	4		0.000
Median	4		0.000
75	4		0.097
275	4		0.146
275	3		0.329
35	3		0.828
24	3		0.889
24	3		0.889
Std Dev	3		1.000
35	3		1.072
61	2		1.937
69	1		2.692

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
20	7		-0.234
20	7		0.000
Median	7		0.000
Std Dev	6		1.000
13	4		2.446

931 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
55	13		0.000
Median	13		0.000

932 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Cobalt, Co	
24	24		-1.085
Std Dev	23		-1.000
266	22		-0.871
35	22		-0.827
24	21		-0.650
35	19		-0.385
69	17		-0.135
77	17		-0.091
Median	16		0.000
61	16		0.091
61	16		0.099
77	15		0.204
45	10		0.940
Std Dev	10		1.000
45	9		1.087
75	9		1.132
75	7		1.367

933 Other(describe)			
Lab	ppm	Cobalt, Co	
20	71		-0.007
20	70		0.000
Median	70		0.000
Std Dev	50		1.000
13	16		2.673

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	-0.729
275	0.1	-0.540
275	0.1	-0.407
<b>Median</b>	<b>0.1</b>	<b>0.000</b>
35	0.0	0.407
61	0.0	0.975
69	0.0	0.975

943 Other(describe)		
Lab	ppm	Mercury, Hg
24	53.0	-0.681
24	52.5	-0.668
<b>Median</b>	<b>26.3</b>	<b>0.000</b>
13	0.0	0.668
61	0.0	0.668

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	23	0.000
<b>Median</b>	<b>23</b>	<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
45	34	-3.394
45	31	-2.381
61	30	-2.001
<b>Std Dev</b>	<b>27</b>	<b>-1.000</b>
61	25	-0.377
69	25	-0.307
77	24	-0.017
<b>Median</b>	<b>24</b>	<b>0.000</b>
266	24	0.017
24	23	0.169
77	23	0.321
<b>Std Dev</b>	<b>21</b>	<b>1.000</b>
24	20	1.267
20	5	6.468
20	5	6.569

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo

13	24	0.000
<b>Median</b>	<b>24</b>	<b>0.000</b>

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	23	0.000
<b>Median</b>	<b>23</b>	<b>0.000</b>

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni

52	32	-1.972
35	28	-1.228
<b>Std Dev</b>	<b>27</b>	<b>-1.000</b>
77	26	-0.856
77	26	-0.856
24	24	-0.447
35	23	-0.298
266	22	-0.186
24	21	0.000
<b>Median</b>	<b>21</b>	<b>0.000</b>
45	21	0.074
45	20	0.260
75	19	0.502
69	17	0.875
<b>Std Dev</b>	<b>16</b>	<b>1.000</b>
75	16	1.079
61	0	3.981
61	0	3.981

963 Other(describe)		
Lab	ppm	Nickel, Ni
20	42	-0.098
20	42	0.000
<b>Median</b>	<b>42</b>	<b>0.000</b>
<b>Std Dev</b>	<b>35</b>	<b>1.000</b>
13	23	2.582

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	12	0.000
<b>Median</b>	<b>12</b>	<b>0.000</b>

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb

61	36	-2.579
61	31	-1.711
<b>Std Dev</b>	<b>27</b>	<b>-1.000</b>
266	26	-0.796
77	24	-0.519
51	22	-0.173
35	21	0.000
51	21	0.000
77	21	0.000
<b>Median</b>	<b>21</b>	<b>0.000</b>
35	20	0.173
275	16	0.877
275	16	0.917
<b>Std Dev</b>	<b>15</b>	<b>1.000</b>
69	12	1.516
24	11	1.670
24	11	1.731

973 Other(describe)		
Lab	ppm	Lead, Pb
13	20	-2.618
<b>Std Dev</b>	<b>19</b>	<b>-1.000</b>
20	18	0.000
<b>Median</b>	<b>18</b>	<b>0.000</b>
20	18	0.062

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	4	0.000
<b>Median</b>	<b>4</b>	<b>0.000</b>

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
61	8	-3.787
<b>Std Dev</b>	<b>3</b>	<b>-1.000</b>
266	2	-0.728
77	1	0.000
<b>Median</b>	<b>1</b>	<b>0.000</b>
61	0	0.612
69	0	0.612

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

<b>Median</b>	<b>5</b>	<b>0.000</b>
---------------	----------	--------------

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	41	0.000
<b>Median</b>	<b>41</b>	<b>0.000</b>

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	55	-2.627
24	54	-2.598
61	47	-1.594
61	47	-1.575
<b>Std Dev</b>	<b>43</b>	<b>-1.000</b>
77	42	-0.798
77	41	-0.651
52	38	-0.212
75	37	0.000
<b>Median</b>	<b>37</b>	<b>0.000</b>
266	36	0.037
35	36	0.081
75	36	0.081
35	35	0.227
45	34	0.373
45	30	0.959
<b>Std Dev</b>	<b>30</b>	<b>1.000</b>
69	29	1.161

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	41	-2.680
<b>Std Dev</b>	<b>40</b>	<b>-1.000</b>
20	40	0.000
20	40	0.000
<b>Median</b>	<b>40</b>	<b>0.000</b>