

# AFPC Rock Check Program

Sample No. 2018-03

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	30	2.81	1.049
Other (describe)	102	1	2.79	
<b>Method Group 100</b>		<b>31</b>	<b>2.81</b>	<b>1.04</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	33.64	0.359
ICP-induced coupled plasma AFPC IX.3.D	202	1	34.36	0.000
Photometric-AFPC IX.3.C	203	20	33.75	0.134
Automated -AOAC 978.01-15th	204	11	33.79	0.250
Other(describe)	205	4	33.53	0.290
<b>Method Group 200</b>		<b>40</b>	<b>33.75</b>	<b>0.23</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	34.40	0.231
ICP-induced coupled plasma AFPC IX.3.D	212	1	34.71	0.000
Photometric-AFPC IX.3.C	213	14	34.71	0.499
Automated -AOAC 978.01-15th	214	11	34.74	0.269
Other(describe)	215	3	34.55	0.249
<b>Method Group 210</b>		<b>31</b>	<b>34.71</b>	<b>0.37</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	1	0.93	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	28	1.17	0.042
Other(describe)	303	6	1.12	0.095
<b>Method Group 300</b>		<b>35</b>	<b>1.17</b>	<b>0.06</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	1.48	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	28	1.18	0.125
Other(describe)	403	6	1.38	0.112
<b>Method Group 400</b>		<b>35</b>	<b>1.24</b>	<b>0.15</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	1	1.01	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	30	1.08	0.045
Other(describe)	503	6	1.01	0.140
<b>Method Group 500</b>		<b>37</b>	<b>1.08</b>	<b>0.06</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	24	9.23	0.265
Other(describe)	602	1	9.54	0.000
<b>Method Group 600</b>		<b>25</b>	<b>9.24</b>	<b>0.29</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	17	2.69	0.306
Other(describe)	652	10	3.26	1.073
<b>Method Group 650</b>		<b>27</b>	<b>2.92</b>	<b>0.48</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	23	29.58	0.354
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	30.44	0.000
EDTA Volumetric-AFPC IX.12.C	705	1	29.38	0.000
Other(describe)	706	11	29.96	0.340
<b>Method Group 700</b>		<b>36</b>	<b>29.78</b>	<b>0.43</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	17	30.48	0.409
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	31.71	0.000
EDTA Volumetric-AFPC IX.12.C	715	1	29.68	0.000
Other(describe)	716	9	31.00	0.154
<b>Method Group 710</b>		<b>27</b>	<b>30.79</b>	<b>0.53</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	25	2.99	0.157
Other (describe)	803	5	3.09	0.037
<b>Method Group 800</b>		<b>30</b>	<b>3.01</b>	<b>0.14</b>
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	13	11.0	2.39
Other(describe)	913	4	9.7	2.76
<b>Method Group 900</b>		<b>17</b>	<b>11.0</b>	<b>2.69</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	18	3	0.8
Other(describe)	923	3	5	0.8
<b>Method Group 910</b>		<b>22</b>	<b>3</b>	<b>0.8</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	10	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	14	2	2.0
Other(describe)	933	3	3	3.1
<b>Method Group 920</b>		<b>18</b>	<b>2</b>	<b>2.2</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	4	0.0	0.01
Other(describe)	943	1		0.00
<b>Method Group 930</b>		<b>5</b>	<b>0.0</b>	<b>0.00</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	11	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	14	7	0.5
Other(describe)	953	1	8	0.0
<b>Method Group 940</b>		<b>16</b>	<b>7</b>	<b>1.0</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	5	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	14	10	1.8
Other(describe)	963	3	12	0.4
<b>Method Group 950</b>		<b>18</b>	<b>10</b>	<b>2.4</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	7	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	16	9	3.2
Other(describe)	973	3	26	5.2
<b>Method Group 960</b>		<b>20</b>	<b>10</b>	<b>3.5</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	1	0.1
Other(describe)	983	3	7	2.0
<b>Method Group 970</b>		<b>8</b>	<b>1</b>	<b>3.9</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	33	0
ICP-induced coupled plasma-AFPC IX.16.A	992	16	34	5
Other(describe)	993	3	71	19
<b>Method Group 980</b>		<b>20</b>	<b>34</b>	<b>6</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
21	4.22		-1.344
21	4.20		-1.325
61	4.13		-1.258
61	4.10		-1.229
30	3.99		-1.124
<b>Std Dev</b>	<b>3.86</b>		<b>-1.000</b>
35	3.75		-0.896
75	3.70		-0.848
69	3.67		-0.819
75	3.67		-0.815
77	3.64		-0.791
49	3.64		-0.791
77	3.60		-0.753
49	3.55		-0.700
24	3.23		-0.400
20	2.81		0.000
26	2.81		0.000
<b>Median</b>	<b>2.81</b>		<b>0.000</b>
24	2.79		0.019
15	2.71		0.100
15	2.68		0.124
10	2.38		0.410
10	2.36		0.429
9	2.30		0.486
9	2.25		0.534
35	2.21		0.572
13	1.85		0.915
13	1.83		0.939
<b>Std Dev</b>	<b>1.76</b>		<b>1.000</b>
275	1.43		1.315
275	1.38		1.363
266	1.00		1.725
55	0.85		1.868

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
20	2.79		0.000
<b>Median</b>	<b>2.79</b>		<b>0.000</b>

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
65	34.44		-2.221

<b>Std Dev</b>	<b>34.00</b>		<b>-1.000</b>
55	33.80		-0.439
<b>Median</b>	<b>33.64</b>		<b>0.000</b>
56	33.49		0.439
77	33.46		0.508

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	34.36		0.000
<b>Median</b>	<b>34.36</b>		<b>0.000</b>

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	33.98		-1.749
49	33.96		-1.601
51	33.93		-1.377
35	33.90		-1.154
51	33.89		-1.079
<b>Std Dev</b>	<b>33.88</b>		<b>-1.000</b>
275	33.83		-0.633
275	33.82		-0.558
61	33.81		-0.447
26	33.78		-0.261
49	33.76		-0.074
<b>Median</b>	<b>33.75</b>		<b>0.000</b>
61	33.74		0.074
92	33.73		0.112
10	33.71		0.261
9	33.69		0.447
10	33.68		0.484
30	33.62		0.931
<b>Std Dev</b>	<b>33.61</b>		<b>1.000</b>
9	33.55		1.489
92	33.53		1.601
78	33.53		1.638
78	33.48		2.010

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
75	34.21		-1.680
<b>Std Dev</b>	<b>34.04</b>		<b>-1.000</b>
13	33.95		-0.620
13	33.84		-0.200
77	33.81		-0.080

15	33.81		-0.060
15	33.79		0.000
<b>Median</b>	<b>33.79</b>		<b>0.000</b>
24	33.56		0.940
<b>Std Dev</b>	<b>33.54</b>		<b>1.000</b>
75	33.50		1.180
21	33.49		1.220
24	33.46		1.320
21	33.46		1.340

205 Other(describe)			
Lab	%	P2O5	
69	33.83		-1.025
<b>Std Dev</b>	<b>33.82</b>		<b>-1.000</b>
20	33.58		-0.146
<b>Median</b>	<b>33.53</b>		<b>0.000</b>
20	33.49		0.146
<b>Std Dev</b>	<b>33.24</b>		<b>1.000</b>
56	32.53		3.456

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	34.71		-1.340
<b>Std Dev</b>	<b>34.63</b>		<b>-1.000</b>
<b>Median</b>	<b>34.40</b>		<b>0.000</b>
<b>Std Dev</b>	<b>34.17</b>		<b>1.000</b>
55	34.09		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	34.71		0.000
<b>Median</b>	<b>34.71</b>		<b>0.000</b>

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	35.30		-1.188
61	35.26		-1.102
49	35.24		-1.065
<b>Std Dev</b>	<b>35.21</b>		<b>-1.000</b>
61	35.18		-0.934
30	35.02		-0.613
49	35.00		-0.570
26	34.76		-0.091
<b>Median</b>	<b>34.71</b>		<b>0.000</b>

35	34.67		0.091
10	34.53		0.360
10	34.49		0.436
9	34.46		0.503
9	34.33		0.755
275	34.32		0.783
275	34.29		0.838

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
75	35.52		-2.900
77	35.09		-1.274
<b>Std Dev</b>	<b>35.01</b>		<b>-1.000</b>
21	34.95		-0.774
21	34.93		-0.685
75	34.77		-0.091
15	34.74		0.000
<b>Median</b>	<b>34.74</b>		<b>0.000</b>
15	34.72		0.091
13	34.58		0.595
24	34.58		0.625
24	34.52		0.844
<b>Std Dev</b>	<b>34.48</b>		<b>1.000</b>
13	34.47		1.026

215 Other(describe)			
Lab	%	P2O5	dB
69	35.12		-2.300
<b>Std Dev</b>	<b>34.79</b>		<b>-1.000</b>
20	34.55		0.000
<b>Median</b>	<b>34.55</b>		<b>0.000</b>
20	34.45		0.380

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
55	0.93		0.000
<b>Median</b>	<b>0.93</b>		<b>0.000</b>

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	1.30		-3.097
61	1.28		-2.620
78	1.27		-2.263
<b>Std Dev</b>	<b>1.21</b>		<b>-1.000</b>

21	1.21	-0.953
35	1.21	-0.953
61	1.21	-0.953
78	1.20	-0.596
13	1.19	-0.476
21	1.19	-0.476
9	1.19	-0.357
49	1.19	-0.357
49	1.18	-0.238
10	1.17	0.000
15	1.17	0.000
15	1.17	0.000
92	1.17	0.000
Median	1.17	0.000
10	1.16	0.238
13	1.16	0.238
51	1.15	0.476
9	1.15	0.596
266	1.14	0.715
Std Dev	1.13	1.000
51	1.12	1.191
92	1.11	1.429
75	1.03	3.249
24	1.03	3.335
75	1.03	3.368
24	1.01	3.812
69	0.94	5.598

303 Other(describe)		
Lab	%	Fe2O3
77	1.26	-1.421
77	1.26	-1.421
Std Dev	1.22	-1.000
20	1.14	-0.163
Median	1.12	0.000
65	1.11	0.163
20	1.10	0.257
56	1.09	0.362

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.48	0.000
Median	1.48	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.51	-2.660
78	1.43	-1.980
78	1.43	-1.980
51	1.38	-1.620
51	1.35	-1.380
61	1.35	-1.340
35	1.31	-1.060
69	1.31	-1.020
Std Dev	1.30	-1.000
35	1.30	-0.980
61	1.29	-0.900
92	1.26	-0.660
92	1.25	-0.580
75	1.21	-0.240
49	1.18	-0.020
Median	1.18	0.000
49	1.18	0.020
9	1.17	0.060
24	1.17	0.100
24	1.17	0.100
75	1.15	0.218
9	1.15	0.260
15	1.14	0.300
21	1.14	0.340
15	1.14	0.340
10	1.13	0.380
10	1.13	0.380
13	1.12	0.460
13	1.11	0.540
21	1.11	0.540

403 Other(describe)		
Lab	%	Al2O3
65	1.43	-0.429
77	1.42	-0.357
77	1.41	-0.268
Median	1.38	0.000
56	1.35	0.268
Std Dev	1.27	1.000
20	1.24	1.251
20	1.22	1.429

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	1.01	0.000
Median	1.01	0.000

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
75	1.15	-1.545
21	1.14	-1.340
61	1.14	-1.340
275	1.14	-1.340
49	1.13	-1.005
Std Dev	1.12	-1.000
275	1.12	-0.893
78	1.12	-0.782
49	1.11	-0.670
51	1.11	-0.670
21	1.11	-0.558
13	1.10	-0.335
51	1.09	-0.223
75	1.09	-0.223
61	1.09	-0.112
10	1.08	0.000
78	1.08	0.000
266	1.08	0.000
Median	1.08	0.000
15	1.08	0.112
15	1.08	0.112
10	1.07	0.223
13	1.07	0.335
9	1.05	0.670
9	1.05	0.670
24	1.05	0.670
Std Dev	1.04	1.000
69	1.03	1.128
24	1.02	1.452
35	0.96	2.680
92	0.92	3.573
92	0.92	3.573
35	0.91	3.797

503 Other(describe)		
Lab	%	MgO
56	1.24	-1.619

Std Dev	1.15	-1.000
20	1.03	-0.115
65	1.03	-0.100
Median	1.01	0.000
20	1.00	0.100
Std Dev	0.87	1.000
77	0.79	1.605
77	0.75	1.892

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
69	9.87	-2.435
55	9.82	-2.246
15	9.58	-1.340
15	9.58	-1.340
21	9.50	-1.019
26	9.50	-1.019
Std Dev	9.49	-1.000
21	9.43	-0.755
49	9.37	-0.528
30	9.35	-0.472
49	9.31	-0.321
24	9.30	-0.264
35	9.24	-0.057
Median	9.23	0.000
24	9.21	0.057
35	9.18	0.170
9	9.11	0.434
9	9.11	0.453
13	9.11	0.453
51	9.10	0.472
13	9.05	0.661
51	9.02	0.774
Std Dev	8.96	1.000
10	8.91	1.189
10	8.88	1.302
61	8.00	4.624
61	7.81	5.341

602 Other(describe)		
Lab	%	Al
266	9.54	0.000
Median	9.54	0.000

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
61	4.19		-4.886
61	4.19		-4.886
77	3.11		-1.373
<b>Std Dev</b>	<b>3.00</b>		<b>-1.000</b>
24	2.94		-0.817
24	2.92		-0.752
9	2.73		-0.131
13	2.69		0.000
21	2.69		0.000
21	2.69		0.000
<b>Median</b>	<b>2.69</b>		<b>0.000</b>
13	2.67		0.065
9	2.62		0.229
30	2.60		0.294
15	2.51		0.588
69	2.46		0.768
15	2.43		0.850
<b>Std Dev</b>	<b>2.38</b>		<b>1.000</b>
49	2.22		1.552
49	2.06		2.059

652 Other(describe)			
Lab	%	CO2	
35	20.80		-16.355
35	17.80		-13.558
55	4.68		-1.328
56	4.56		-1.216
<b>Std Dev</b>	<b>4.33</b>		<b>-1.000</b>
266	3.27		-0.014
<b>Median</b>	<b>3.26</b>		<b>0.000</b>
20	3.24		0.014
51	3.22		0.033
20	3.21		0.042
51	3.13		0.117
65	2.50		0.704

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	

75	30.60		-2.889
49	30.12		-1.527
49	30.01		-1.216
61	29.97		-1.117
92	29.93		-1.004
<b>Std Dev</b>	<b>29.93</b>		<b>-1.000</b>
10	29.85		-0.777
51	29.84		-0.749
13	29.83		-0.721
13	29.79		-0.594
9	29.78		-0.580
51	29.77		-0.551
9	29.58		0.000
<b>Median</b>	<b>29.58</b>		<b>0.000</b>
92	29.53		0.127
21	29.51		0.184
21	29.49		0.240
10	29.48		0.269
69	29.41		0.481
75	29.34		0.673
<b>Std Dev</b>	<b>29.22</b>		<b>1.000</b>
35	28.96		1.739
78	28.43		3.251
35	28.34		3.491
61	27.84		4.905
78	26.92		7.520

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	30.44		0.000
<b>Median</b>	<b>30.44</b>		<b>0.000</b>

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	29.38		0.000
<b>Median</b>	<b>29.38</b>		<b>0.000</b>

706 Other(describe)			
Lab	%	CaO	
77	30.30		-1.001

<b>Std Dev</b>	<b>30.30</b>		<b>-1.000</b>
77	30.20		-0.707
15	30.20		-0.692
15	30.17		-0.604
24	30.00		-0.103
20	29.96		0.000
20	29.96		0.000
<b>Median</b>	<b>29.96</b>		<b>0.000</b>
24	29.93		0.088
<b>Std Dev</b>	<b>29.62</b>		<b>1.000</b>
56	29.52		1.296
55	29.20		2.238
65	28.70		3.711

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.D			
Lab	%	CaO	dB
75	31.76		-3.130
61	31.26		-1.907
49	31.25		-1.887
49	31.11		-1.532
<b>Std Dev</b>	<b>30.89</b>		<b>-1.000</b>
21	30.80		-0.789
21	30.79		-0.754
10	30.58		-0.236
69	30.53		-0.108
9	30.48		0.000
<b>Median</b>	<b>30.48</b>		<b>0.000</b>
75	30.46		0.041
13	30.38		0.236
13	30.35		0.329
9	30.26		0.551
10	30.19		0.706
35	30.09		0.960
<b>Std Dev</b>	<b>30.07</b>		<b>1.000</b>
61	29.03		3.548
35	28.98		3.669

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	31.71		0.000
<b>Median</b>	<b>31.71</b>		<b>0.000</b>

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	29.68		0.000
<b>Median</b>	<b>29.68</b>		<b>0.000</b>

716 Other(describe)			
Lab	%	CaO	dB
77	31.44		-2.908
77	31.33		-2.151
<b>Std Dev</b>	<b>31.15</b>		<b>-1.000</b>
15	31.03		-0.197
15	31.00		-0.048
24	31.00		0.000
<b>Median</b>	<b>31.00</b>		<b>0.000</b>
<b>Std Dev</b>	<b>30.84</b>		<b>1.000</b>
20	30.83		1.102
20	30.82		1.143
24	30.79		1.343
55	29.45		10.025

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	
30	3.61		-3.956
69	3.40		-2.616
55	3.33		-2.170
21	3.16		-1.085
35	3.15		-1.021
<b>Std Dev</b>	<b>3.15</b>		<b>-1.000</b>
21	3.13		-0.893
24	3.11		-0.766
49	3.07		-0.479
35	3.05		-0.383
15	3.03		-0.255
15	3.02		-0.191

13	3.00	-0.064
26	2.99	0.000
<b>Median</b>	<b>2.99</b>	<b>0.000</b>
13	2.99	0.032
9	2.98	0.096
49	2.94	0.319
266	2.92	0.447
9	2.92	0.479
24	2.90	0.574
51	2.88	0.702
<b>Std Dev</b>	<b>2.83</b>	<b>1.000</b>
51	2.82	1.085
75	2.81	1.149
275	2.79	1.276
275	2.73	1.659
75	2.67	2.074

803 Other( describe)		
Lab	%	Fluorine, F
20	3.10	-0.402
77	3.09	-0.134
20	3.09	0.000
<b>Median</b>	<b>3.09</b>	<b>0.000</b>
<b>Std Dev</b>	<b>3.05</b>	<b>1.000</b>
77	3.04	1.206
65	3.00	2.278

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
69	18.0	-2.929
61	17.5	-2.732
61	16.3	-2.228
<b>Std Dev</b>	<b>13.4</b>	<b>-1.000</b>
24	13.2	-0.921
77	12.0	-0.419
24	12.0	-0.398
35	11.0	0.000
35	11.0	0.000
51	11.0	0.000
<b>Median</b>	<b>11.0</b>	<b>0.000</b>

51	10.0	0.419
266	9.4	0.670
78	9.2	0.754
<b>Std Dev</b>	<b>8.6</b>	<b>1.000</b>
78	7.4	1.508

913 Other( describe)		
Lab	ppm	Arsenic, As
77	13.0	-1.189
<b>Std Dev</b>	<b>12.5</b>	<b>-1.000</b>
13	11.4	-0.592
<b>Median</b>	<b>9.7</b>	<b>0.000</b>
20	8.1	0.592
20	8.0	0.621

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

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
51	5	-2.516
69	4	-1.789
78	4	-1.343
51	4	-1.206
78	4	-1.107
61	4	-1.029
<b>Std Dev</b>	<b>4</b>	<b>-1.000</b>
61	4	-0.852
75	4	-0.813
75	3	-0.026
<b>Median</b>	<b>3</b>	<b>0.000</b>
275	3	0.026
35	3	0.105
35	3	0.105
77	3	0.105
275	3	0.301
266	3	0.419
<b>Std Dev</b>	<b>2</b>	<b>1.000</b>
24	2	1.546
24	2	1.677
77	1	2.726

923 Other( describe)		
Lab	ppm	Cadmium, Cd
20	5	-0.130
20	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>
13	3	2.550

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	10	0.000
<b>Median</b>	<b>10</b>	<b>0.000</b>

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	4	-0.758
35	3	-0.506
61	3	-0.506
77	3	-0.506
78	3	-0.506
266	2	-0.152
35	2	0.000
77	2	0.000
<b>Median</b>	<b>2</b>	<b>0.000</b>
61	2	0.172
69	1	0.303
<b>Std Dev</b>	<b>0</b>	<b>1.000</b>
24	0	1.011
24	0	1.011
75	0	1.011
75	0	1.011

933 Other( describe)		
Lab	ppm	Cobalt, Co
13	8	-2.680
<b>Std Dev</b>	<b>3</b>	<b>-1.000</b>
20	0	0.000
20	0	0.000
<b>Median</b>	<b>0</b>	<b>0.000</b>

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
266	0.0	-5.193
<b>Std Dev</b>	<b>0.0</b>	<b>-1.000</b>
35	0.0	0.000
35	0.0	0.000
<b>Median</b>	<b>0.0</b>	<b>0.000</b>
69	0.0	0.168

943 Other( describe)		
Lab	ppm	Mercury, Hg
13	0.0	0.000
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	11	0.000
<b>Median</b>	<b>11</b>	<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
69	11	-7.050
78	9	-3.728
78	8	-2.259
<b>Std Dev</b>	<b>8</b>	<b>-1.000</b>
24	8	-0.985
20	7	-0.103
77	7	-0.005
77	7	-0.005
<b>Median</b>	<b>7</b>	<b>0.000</b>
61	7	0.005
20	7	0.191
266	7	0.230
61	7	0.691
275	7	0.857
24	7	0.975
<b>Std Dev</b>	<b>6</b>	<b>1.000</b>
275	6	1.524

953 Other( describe)		
Lab	ppm	Iolybdenum, Mo
13	8	0.000
<b>Median</b>	<b>8</b>	<b>0.000</b>

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
55	5	0.000	
<b>Median</b>	<b>5</b>	<b>0.000</b>	

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	
275	19	-5.041	
275	18	-4.656	
69	12	-1.140	
<b>Std Dev</b>	<b>11</b>	<b>-1.000</b>	
78	11	-0.812	
35	10	-0.271	
77	10	-0.271	
78	10	-0.271	
<b>Median</b>	<b>10</b>	<b>0.000</b>	
24	9	0.271	
77	9	0.271	
24	9	0.379	
266	8	0.758	
35	8	0.812	
<b>Std Dev</b>	<b>8</b>	<b>1.000</b>	
75	4	2.978	
75	3	3.465	

963 Other(describe)			
Lab	ppm	Nickel, Ni	
20	12	-0.536	
20	12	0.000	
<b>Median</b>	<b>12</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>11</b>	<b>1.000</b>	
13	11	2.144	

971 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Lead, Pb	
55	7	0.000	
<b>Median</b>	<b>7</b>	<b>0.000</b>	

972 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Lead, Pb	
61	16	-1.911	
51	13	-1.124	
266	13	-1.063	
<b>Std Dev</b>	<b>13</b>	<b>-1.000</b>	

51	12	-0.816	
69	12	-0.756	
77	11	-0.509	
35	10	-0.201	
77	10	-0.201	
<b>Median</b>	<b>9</b>	<b>0.000</b>	
61	9	0.201	
78	8	0.384	
35	8	0.415	
275	8	0.550	
275	7	0.624	
78	7	0.661	
<b>Std Dev</b>	<b>6</b>	<b>1.000</b>	
24	6	1.107	
24	4	1.584	

973 Other(describe)			
Lab	ppm	Lead, Pb	
20	26	0.000	
20	26	0.000	
<b>Median</b>	<b>26</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>21</b>	<b>1.000</b>	
13	12	2.680	

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

982 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Selenium, Se	
61	6	-32.596	
<b>Std Dev</b>	<b>1</b>	<b>-1.000</b>	
77	1	0.000	
77	1	0.000	
<b>Median</b>	<b>1</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1</b>	<b>1.000</b>	
266	1	1.340	
69	0	6.700	

983 Other(describe)			
Lab	ppm	Selenium, Se	
20	7	0.000	
20	7	0.000	
<b>Median</b>	<b>7</b>	<b>0.000</b>	

<b>Std Dev</b>	<b>5</b>	<b>1.000</b>	
13	2	2.680	

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
55	33	0.000	
<b>Median</b>	<b>33</b>	<b>0.000</b>	

992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
24	50	-2.818	
24	46	-2.095	
61	41	-1.241	
78	41	-1.225	
<b>Std Dev</b>	<b>40</b>	<b>-1.000</b>	
61	39	-0.937	
78	39	-0.767	
275	35	-0.139	
275	34	-0.029	
<b>Median</b>	<b>34</b>	<b>0.000</b>	
75	34	0.029	
35	33	0.240	
35	33	0.240	
266	33	0.240	
77	31	0.606	
75	31	0.698	
77	30	0.789	
<b>Std Dev</b>	<b>29</b>	<b>1.000</b>	
69	26	1.518	

993 Other(describe)			
Lab	ppm	Zinc, Zn	
20	72	-0.054	
20	71	0.000	
<b>Median</b>	<b>71</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>52</b>	<b>1.000</b>	
13	22	2.626	