

# AFPC Rock Check Program

Sample No. 2018-05

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	25	0.71	0.078
Other (describe)	102	2	0.67	0.011
<b>Method Group 100</b>		<b>27</b>	<b>0.70</b>	<b>0.07</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	27.87	0.165
ICP-induced coupled plasma AFPC IX.3.D	202			
Photometric-AFPC IX.3.C	203	18	27.96	0.057
Automated -AOAC 978.01-15th	204	11	27.83	0.104
Other(describe)	205	4	27.43	6.277
<b>Method Group 200</b>		<b>37</b>	<b>27.93</b>	<b>0.13</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	28.04	0.000
ICP-induced coupled plasma AFPC IX.3.D	212			
Photometric-AFPC IX.3.C	213	12	28.17	0.023
Automated -AOAC 978.01-15th	214	11	28.02	0.099
Other(describe)	215	2	27.61	0.018
<b>Method Group 210</b>		<b>27</b>	<b>28.10</b>	<b>0.13</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	1	0.44	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	25	0.56	0.045
Other(describe)	303	8	0.60	0.057
<b>Method Group 300</b>		<b>34</b>	<b>0.56</b>	<b>0.05</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	0.58	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	26	0.86	0.140
Other(describe)	403	7	1.68	0.422
<b>Method Group 400</b>		<b>34</b>	<b>0.87</b>	<b>0.33</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	1	0.33	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	26	0.40	0.032
Other(describe)	503	7	0.39	0.015
<b>Method Group 500</b>		<b>34</b>	<b>0.39</b>	<b>0.03</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	22	12.88	0.326
Other(describe)	602	1	12.92	0.000
<b>Method Group 600</b>		<b>23</b>	<b>12.89</b>	<b>0.32</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	14	3.87	0.157
Other(describe)	652	8	4.70	1.498
<b>Method Group 650</b>		<b>22</b>	<b>3.91</b>	<b>0.29</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	21	42.50	0.597
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.57	0.000
EDTA Volumetric-AFPC IX.12.C	705			
Other(describe)	706	12	42.44	0.549
<b>Method Group 700</b>		<b>34</b>	<b>42.53</b>	<b>0.54</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	15	42.85	0.477
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	42.86	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	9	42.96	0.453
<b>Method Group 710</b>		<b>24</b>	<b>42.85</b>	<b>0.47</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	23	2.87	0.062
Other (describe)	803	6	2.93	0.087
<b>Method Group 800</b>		<b>29</b>	<b>2.88</b>	<b>0.07</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	1.2	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	10	10.3	2.38
Other(describe)	913	5	9.6	0.52
<b>Method Group 900</b>		<b>16</b>	<b>9.7</b>	<b>2.29</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	84	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	13	77	12.0
Other(describe)	923	4	74	2.0
<b>Method Group 910</b>		<b>18</b>	<b>76</b>	<b>10.3</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	5	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	10	1	1.5
Other(describe)	933	4		0.4
<b>Method Group 920</b>		<b>15</b>	<b>1</b>	<b>1.5</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	1	0.2	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	4	160.5	239.46
Other(describe)	943	2	0.9	0.68
<b>Method Group 930</b>		<b>7</b>	<b>0.5</b>	<b>120.02</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	8	14	3.3
Other(describe)	953	2	15	0.2
<b>Method Group 940</b>		<b>10</b>	<b>15</b>	<b>1.2</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	107	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	11	100	17.7
Other(describe)	963	6	101	11.3
<b>Method Group 950</b>		<b>18</b>	<b>104</b>	<b>15.2</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	36	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	10	7	1.5
Other(describe)	973	4	17	9.9
<b>Method Group 960</b>		<b>15</b>	<b>8</b>	<b>3.1</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982			
Other(describe)	983	6	15	8.2
<b>Method Group 970</b>		<b>6</b>	<b>15</b>	<b>8.2</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	708	0
ICP-induced coupled plasma-AFPC IX.16.A	992	11	906	51
Other(describe)	993	6	895	52
<b>Method Group 980</b>		<b>18</b>	<b>893</b>	<b>55</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
52	0.95	-3.063	
55	0.84	-1.659	
10	0.83	-1.531	
10	0.83	-1.531	
<b>Std Dev</b>	<b>0.79</b>	<b>-1.000</b>	
15	0.78	-0.830	
21	0.78	-0.830	
24	0.77	-0.766	
21	0.75	-0.510	
26	0.75	-0.447	
13	0.74	-0.383	
49	0.74	-0.319	
15	0.73	-0.255	
13	0.71	0.000	
<b>Median</b>	<b>0.71</b>	<b>0.000</b>	
35	0.70	0.128	
9	0.69	0.319	
49	0.69	0.319	
30	0.68	0.383	
9	0.68	0.383	
75	0.67	0.574	
20	0.66	0.638	
24	0.66	0.638	
35	0.66	0.638	
75	0.65	0.830	
<b>Std Dev</b>	<b>0.63</b>	<b>1.000</b>	
77	0.38	4.211	
77	0.24	5.998	

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
69	0.68	-1.340	
<b>Std Dev</b>	<b>0.68</b>	<b>-1.000</b>	
<b>Median</b>	<b>0.67</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.65</b>	<b>1.000</b>	
20	0.65	1.340	

201 Gravimetric AFPC IX.3.B			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
65	28.31	-2.680	
<b>Std Dev</b>	<b>28.03</b>	<b>-1.000</b>	
77	27.93	-0.379	

Median			
56	27.87	0.000	
56	27.81	0.379	
55	27.80	0.409	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	

203 Photometric-AFPC IX.3.C			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
30	28.26	-5.272	
51	28.15	-3.339	
51	28.10	-2.460	
35	28.06	-1.757	
<b>Std Dev</b>	<b>28.02</b>	<b>-1.000</b>	
26	28.02	-0.967	
35	27.99	-0.527	
9	27.99	-0.439	
9	27.97	-0.176	
49	27.96	0.000	
49	27.96	0.000	
78	27.96	0.000	
92	27.96	0.000	
<b>Median</b>	<b>27.96</b>	<b>0.000</b>	
69	27.94	0.351	
10	27.93	0.527	
92	27.91	0.879	
78	27.91	0.967	
<b>Std Dev</b>	<b>27.90</b>	<b>1.000</b>	
52	27.90	1.054	
10	27.87	1.582	

204 Automated -AOAC 978.01-15th			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
24	28.05	-2.154	
24	27.94	-1.101	
<b>Std Dev</b>	<b>27.93</b>	<b>-1.000</b>	
77	27.90	-0.718	
15	27.87	-0.431	
75	27.87	-0.431	
13	27.83	0.000	
<b>Median</b>	<b>27.83</b>	<b>0.000</b>	
15	27.82	0.096	
75	27.75	0.718	

205 Other(describe)			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
19	60.65	-5.293	
<b>Std Dev</b>	<b>33.70</b>	<b>-1.000</b>	
20	27.45	-0.004	
<b>Median</b>	<b>27.43</b>	<b>0.000</b>	
20	27.41	0.004	
56	27.14	0.046	

211 Gravimetric AFPC IX.3.B			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
77	28.04	-1.340	
<b>Std Dev</b>	<b>28.04</b>	<b>-1.000</b>	
<b>Median</b>	<b>28.04</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>28.04</b>	<b>1.000</b>	
55	28.04	1.340	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	

213 Photometric-AFPC IX.3.C			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
30	28.45	-12.573	
35	28.26	-3.976	
26	28.23	-2.547	
<b>Std Dev</b>	<b>28.19</b>	<b>-1.000</b>	
9	28.18	-0.471	
35	28.18	-0.380	
52	28.17	-0.012	
<b>Median</b>	<b>28.17</b>	<b>0.000</b>	
49	28.17	0.012	
10	28.16	0.156	
9	28.16	0.255	
49	28.15	0.635	
<b>Std Dev</b>	<b>28.14</b>	<b>1.000</b>	
69	28.13	1.582	
10	28.10	2.814	

214 Automated -AOAC 978.01-15th			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
24	28.24	-2.198	
24	28.16	-1.392	
<b>Std Dev</b>	<b>28.12</b>	<b>-1.000</b>	
15	28.09	-0.691	
75	28.06	-0.375	
13	28.03	-0.131	
15	28.02	0.000	
<b>Median</b>	<b>28.02</b>	<b>0.000</b>	
77	27.97	0.531	
21	27.94	0.791	
13	27.94	0.823	
75	27.93	0.906	
<b>Std Dev</b>	<b>27.92</b>	<b>1.000</b>	
21	27.92	1.015	

215 Other(describe)			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
20	27.63	-1.340	
<b>Std Dev</b>	<b>27.63</b>	<b>-1.000</b>	
<b>Median</b>	<b>27.61</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>27.59</b>	<b>1.000</b>	
20	27.58	1.340	

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe <sub>2</sub> O <sub>3</sub>	
55	0.44	0.000	
<b>Median</b>	<b>0.44</b>	<b>0.000</b>	

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe <sub>2</sub> O <sub>3</sub>	
78	0.69	-2.903	
78	0.68	-2.792	
35	0.66	-2.345	
35	0.66	-2.345	
51	0.61	-1.228	
52	0.60	-1.005	
<b>Std Dev</b>	<b>0.60</b>	<b>-1.000</b>	
15	0.60	-0.893	
51	0.59	-0.782	
15	0.58	-0.558	
92	0.57	-0.335	
92	0.57	-0.335	

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
69	0.68	-1.340	
<b>Std Dev</b>	<b>0.68</b>	<b>-1.000</b>	
<b>Median</b>	<b>0.67</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.65</b>	<b>1.000</b>	
20	0.65	1.340	

201 Gravimetric AFPC IX.3.B			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
65	28.31	-2.680	
<b>Std Dev</b>	<b>28.03</b>	<b>-1.000</b>	
77	27.93	-0.379	

204 Automated -AOAC 978.01-15th			
Lab	%	P <sub>2</sub> O <sub>5</sub>	
24	28.05	-2.154	
24	27.94	-1.101	
<b>Std Dev</b>	<b>27.93</b>	<b>-1.000</b>	
77	27.90	-0.718	
15	27.87	-0.431	
75	27.87	-0.431	
13	27.83	0.000	
<b>Median</b>	<b>27.83</b>	<b>0.000</b>	
15	27.82	0.096	
75	27.75	0.718	

211 Gravimetric AFPC IX.3.B			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
77	28.04	-1.340	
<b>Std Dev</b>	<b>28.04</b>	<b>-1.000</b>	
<b>Median</b>	<b>28.04</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>28.04</b>	<b>1.000</b>	
55	28.04	1.340	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	

213 Photometric-AFPC IX.3.C			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
30	28.45	-12.573	
35	28.26	-3.976	
26	28.23	-2.547	
<b>Std Dev</b>	<b>28.19</b>	<b>-1.000</b>	
9	28.18	-0.471	
35	28.18	-0.380	
52	28.17	-0.012	
<b>Median</b>	<b>28.17</b>	<b>0.000</b>	
49	28.17	0.012	
10	28.16	0.156	
9	28.16	0.255	
49	28.15	0.635	
<b>Std Dev</b>	<b>28.14</b>	<b>1.000</b>	
69	28.13	1.582	
10	28.10	2.814	

214 Automated -AOAC 978.01-15th			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
24	28.24	-2.198	
24	28.16	-1.392	
<b>Std Dev</b>	<b>28.12</b>	<b>-1.000</b>	
15	28.09	-0.691	
75	28.06	-0.375	
13	28.03	-0.131	
15	28.02	0.000	
<b>Median</b>	<b>28.02</b>	<b>0.000</b>	
77	27.97	0.531	
21	27.94	0.791	
13	27.94	0.823	
75	27.93	0.906	
<b>Std Dev</b>	<b>27.92</b>	<b>1.000</b>	
21	27.92	1.015	

215 Other(describe)			
Lab	%	P <sub>2</sub> O <sub>5</sub> dB	
20	27.63	-1.340	
<b>Std Dev</b>	<b>27.63</b>	<b>-1.000</b>	
<b>Median</b>	<b>27.61</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>27.59</b>	<b>1.000</b>	
20	27.58	1.340	

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe <sub>2</sub> O <sub>3</sub>	
55	0.44	0.000	
<b>Median</b>	<b>0.44</b>	<b>0.000</b>	

21	0.56	0.000
24	0.56	0.000
<b>Median</b>	<b>0.56</b>	<b>0.000</b>
49	0.55	0.112
21	0.55	0.223
9	0.54	0.335
9	0.54	0.447
13	0.54	0.447
24	0.54	0.447
49	0.54	0.447
10	0.53	0.558
10	0.53	0.558
75	0.52	0.724
13	0.52	0.893
<b>Std Dev</b>	<b>0.51</b>	<b>1.000</b>
75	0.51	1.101

303 Other(describe)		
Lab	%	Fe2O3
77	0.66	-1.135
<b>Std Dev</b>	<b>0.65</b>	<b>-1.000</b>
56	0.65	-0.960
77	0.65	-0.960
20	0.60	-0.087
<b>Median</b>	<b>0.60</b>	<b>0.000</b>
20	0.59	0.087
65	0.58	0.244
69	0.55	0.786
<b>Std Dev</b>	<b>0.54</b>	<b>1.000</b>
19	0.53	1.135

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	0.58	0.000
<b>Median</b>	<b>0.58</b>	<b>0.000</b>

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
52	1.90	-7.433
78	1.86	-7.147
78	1.83	-6.897
35	1.21	-2.501
35	1.19	-2.358
<b>Std Dev</b>	<b>1.00</b>	<b>-1.000</b>

49	0.96	-0.715
92	0.93	-0.500
92	0.93	-0.500
9	0.88	-0.143
9	0.88	-0.107
75	0.87	-0.093
75	0.87	-0.087
24	0.86	0.000
49	0.86	0.000
<b>Median</b>	<b>0.86</b>	<b>0.000</b>
15	0.85	0.071
15	0.85	0.071
24	0.85	0.071
51	0.79	0.500
10	0.75	0.786
69	0.74	0.858
10	0.73	0.929
51	0.73	0.929
<b>Std Dev</b>	<b>0.72</b>	<b>1.000</b>
21	0.72	1.036
13	0.70	1.179
13	0.70	1.179
21	0.57	2.073

403 Other(describe)		
Lab	%	Al2O3
65	1.82	-0.323
56	1.81	-0.308
77	1.77	-0.213
77	1.68	0.000
<b>Median</b>	<b>1.68</b>	<b>0.000</b>
19	1.30	0.901
<b>Std Dev</b>	<b>1.26</b>	<b>1.000</b>
20	1.15	1.257
20	1.11	1.352

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.33	0.000
<b>Median</b>	<b>0.33</b>	<b>0.000</b>

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
35	0.48	-2.680

52	0.48	-2.680
35	0.47	-2.365
92	0.45	-1.734
92	0.43	-1.104
<b>Std Dev</b>	<b>0.43</b>	<b>-1.000</b>
78	0.43	-0.946
78	0.43	-0.946
9	0.42	-0.788
15	0.42	-0.631
15	0.42	-0.631
49	0.41	-0.473
9	0.41	-0.315
51	0.40	-0.158
<b>Median</b>	<b>0.40</b>	<b>0.000</b>
10	0.39	0.158
13	0.39	0.158
49	0.39	0.158
13	0.39	0.315
21	0.39	0.315
21	0.39	0.315
10	0.38	0.473
24	0.38	0.473
24	0.38	0.473
51	0.38	0.473
75	0.38	0.567
69	0.37	0.788
75	0.37	0.867

503 Other(describe)		
Lab	%	MgO
65	0.42	-2.077
77	0.41	-1.340
<b>Std Dev</b>	<b>0.40</b>	<b>-1.000</b>
20	0.39	0.000
77	0.39	0.000
<b>Median</b>	<b>0.39</b>	<b>0.000</b>
20	0.38	0.670
56	0.38	0.670
<b>Std Dev</b>	<b>0.38</b>	<b>1.000</b>
19	0.34	3.350

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
55	13.77	-2.718

26	13.28	-1.202
15	13.25	-1.126
15	13.25	-1.126
<b>Std Dev</b>	<b>13.21</b>	<b>-1.000</b>
69	13.16	-0.850
9	13.10	-0.666
9	13.09	-0.620
21	13.09	-0.620
24	13.06	-0.544
30	12.89	-0.023
49	12.89	-0.023
<b>Median</b>	<b>12.88</b>	<b>0.000</b>
21	12.88	0.023
24	12.88	0.023
51	12.83	0.161
10	12.79	0.283
13	12.69	0.605
10	12.65	0.712
51	12.63	0.773
49	12.62	0.819
13	12.61	0.835
<b>Std Dev</b>	<b>12.56</b>	<b>1.000</b>
35	12.19	2.121
35	12.13	2.305

602 Other(describe)		
Lab	%	Al
19	12.92	0.000
<b>Median</b>	<b>12.92</b>	<b>0.000</b>

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
77	4.21	-2.201
24	4.06	-1.244
21	4.04	-1.085
21	4.04	-1.085
<b>Std Dev</b>	<b>4.02</b>	<b>-1.000</b>
24	3.94	-0.479
9	3.88	-0.096
9	3.88	-0.096
<b>Median</b>	<b>3.87</b>	<b>0.000</b>
15	3.85	0.096
15	3.85	0.096
49	3.82	0.287

49	3.80	0.447
Std Dev	3.71	1.000
30	3.70	1.053
13	3.61	1.659
13	3.52	2.201

652 Other(describe)		
Lab	%	CO2
35	8.41	-2.480
35	8.38	-2.460
Std Dev	6.19	-1.000
51	5.17	-0.317
51	5.04	-0.230
Median	4.70	0.000
56	4.35	0.230
55	4.12	0.384
20	3.50	0.798
20	3.49	0.808

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
75	45.33	-4.744
75	44.35	-3.090
Std Dev	43.10	-1.000
92	43.08	-0.972
92	42.87	-0.620
51	42.80	-0.502
51	42.73	-0.385
9	42.71	-0.352
9	42.69	-0.310
21	42.58	-0.126
49	42.56	-0.101
10	42.50	0.000
Median	42.50	0.000
10	42.49	0.017
49	42.23	0.452
21	42.19	0.519
13	42.06	0.745
13	41.93	0.955
Std Dev	41.90	1.000

69	41.50	1.675
78	40.97	2.563
35	40.54	3.283
35	40.52	3.317
78	40.24	3.786

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

704 Permanganate		
Lab	%	CaO
30	42.57	0.000
Median	42.57	0.000

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
Median	0.00	0.000

706 Other(describe)		
Lab	%	CaO
20	43.12	-1.231
20	43.11	-1.212
Std Dev	42.99	-1.000
77	42.90	-0.839
15	42.74	-0.538
15	42.65	-0.374
19	42.58	-0.255
Median	42.44	0.000
77	42.30	0.255
24	42.28	0.301
24	42.06	0.702
56	42.00	0.802
Std Dev	41.89	1.000
55	41.78	1.203
65	41.16	2.334

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
75	45.63	-5.832	

75	44.64	-3.767
Std Dev	43.32	-1.000
9	43.00	-0.329
9	42.98	-0.281
21	42.90	-0.107
49	42.88	-0.062
10	42.86	-0.021
10	42.85	0.000
Median	42.85	0.000
49	42.52	0.680
21	42.52	0.684
Std Dev	42.37	1.000
13	42.37	1.001
13	42.23	1.292
69	41.78	2.226
35	40.81	4.271
35	40.81	4.279

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

714 Permanganate			
Lab	%	CaO	dB
30	42.86	0.000	
Median	42.86	0.000	0.000

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
Median	0.00	0.000	0.000

716 Other(describe)			
Lab	%	CaO	dB
20	43.40	-0.977	
20	43.39	-0.945	
15	43.07	-0.243	
77	43.00	-0.098	
15	42.96	0.000	
Median	42.96	0.000	0.000
24	42.60	0.784	
Std Dev	42.51	1.000	
77	42.46	1.097	
24	42.33	1.377	
55	42.13	1.819	

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
55	3.03	-2.599
21	2.98	-1.705
26	2.96	-1.381
30	2.94	-1.137
Std Dev	2.93	-1.000
21	2.91	-0.650
49	2.90	-0.406
13	2.89	-0.325
15	2.89	-0.325
15	2.89	-0.325
49	2.88	-0.162
51	2.88	-0.162
24	2.87	0.000
Median	2.87	0.000
13	2.87	0.081
52	2.86	0.162
9	2.84	0.568
9	2.82	0.893
24	2.81	0.975
51	2.81	0.975
75	2.81	0.975
Std Dev	2.81	1.000
75	2.77	1.705
35	2.74	2.112
35	2.72	2.436
69	2.72	2.436

803 Other(describe)		
Lab	%	Fluorine, F
20	3.03	-1.191
20	3.02	-1.077
Std Dev	3.01	-1.000
77	2.95	-0.275
Median	2.93	0.000
65	2.90	0.275
77	2.88	0.527
Std Dev	2.84	1.000

19 2.44 5.566

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	1.2	0.000
Median	1.2	0.000

912	ICP-induced coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As

24 13.0 -1.135  
 24 12.7 -1.009  
 Std Dev 12.6 -1.000  
 69 11.3 -0.420  
 51 11.0 -0.315  
 52 10.5 -0.105

Median 10.3 0.000

51 10.0 0.105

35 8.0 0.946

35 8.0 0.946

78 7.9 0.988

Std Dev 7.9 1.000

78 5.9 1.850

913	Other(describe)	
Lab	ppm	Arsenic, As

13 25.2 -29.863

Std Dev 10.1 -1.000

77 9.7 -0.191

77 9.6 0.000

Median 9.6 0.000

Std Dev 9.1 1.000

20 9.0 1.149

20 8.9 1.340

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

55 84 0.000

Median 84 0.000

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

78 98 -1.798

78 94 -1.462

77 91 -1.186

77 90 -1.102

52 89 -1.019

Std Dev 89 -1.000

75 80 -0.259

75 77 0.000

Median 77 0.000

24 76 0.058

51 75 0.150

24 74 0.238

51 73 0.317

35 70 0.568

35 69 0.651

923	Other(describe)	
Lab	ppm	Cadmium, Cd

69 82 -3.943

Std Dev 76 -1.000

13 75 -0.202

Median 74 0.000

20 74 0.202

20 74 0.202

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

55 5 0.000

Median 5 0.000

932	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co

35 2 -0.402

35 2 -0.402

78 2 -0.402

78 2 -0.402

77 2 -0.134

Median 1 0.000

77 1 0.134

24 0 0.938

24 0 0.938

75 0 0.938

75 0 0.938

933	Other(describe)	
Lab	ppm	Cobalt, Co

13 2 -5.360

Std Dev 0 -1.000

20 0 0.000

20 0 0.000

69 0 0.000

Median 0 0.000

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg

55 0.2 0.000

Median 0.2 0.000

942	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg

24 324.0 -0.683

24 320.5 -0.668

Median 160.5 0.000

35 0.5 0.668

35 0.5 0.668

943	Other(describe)	
Lab	ppm	Mercury, Hg

13 1.8 -1.340

Std Dev 1.6 -1.000

Median 0.9 0.000

Std Dev 0.2 1.000

69 0.0 1.340

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

78 17 -0.970

78 17 -0.836

24 16 -0.463

24 14 -0.015

Median 14 0.000

77 14 0.015

77 14 0.045

Std Dev 11 1.000

20 4 3.001

20 4 3.031

953	Other(describe)	
Lab	ppm	Iolybdenum, Mo

69 15 -1.340

Std Dev 15 -1.000

Median 15 0.000

Std Dev 15 1.000

13 15 1.340

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

55 107 0.000

Median 107 0.000

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

35 124 -1.354

35 123 -1.298

78 120 -1.128

Std Dev 118 -1.000

78 115 -0.818

52 110 -0.564

77 100 0.000

Median 100 0.000

77 96 0.226

24 95 0.310

24 93 0.423

75 86 0.767

Std Dev 82 1.000

75 80 1.131

963	Other(describe)	
Lab	ppm	Nickel, Ni

19 130 -2.518

Std Dev 113 -1.000

20 107 -0.489

20 107 -0.489

Median 101 0.000

13 96 0.489

69 90 0.971

Std Dev 90 1.000

19 51 4.449

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb

55	36	0.000
Median	36	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
35	9	-1.447
51	9	-1.447
Std Dev	8	-1.000
35	8	-0.789
51	8	-0.789
77	7	-0.132
Median	7	0.000
77	7	0.132
24	6	0.526
24	6	0.559
Std Dev	5	1.000
78	4	1.776
78	4	2.137

973 Other(describe)		
Lab	ppm	Lead, Pb
20	23	-0.592
20	23	-0.592
Median	17	0.000
69	11	0.592
Std Dev	7	1.000
13	5	1.217

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

982 ICP-induc coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
Median	0	0.000

983 Other(describe)		
Lab	ppm	Selenium, Se
13	65	-6.115
Std Dev	23	-1.000
77	20	-0.670
77	20	-0.670
Median	15	0.000
20	9	0.670

20	9	0.670
Std Dev	6	1.000
69	0	1.766

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	708	0.000
Median	708	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
78	1022	-2.281
78	1002	-1.878
Std Dev	957	-1.000
77	940	-0.667
77	931	-0.490
52	908	-0.037
24	906	0.000
Median	906	0.000
24	880	0.513
75	875	0.605
75	860	0.917
Std Dev	855	1.000
35	833	1.439
35	829	1.518

993 Other(describe)		
Lab	ppm	Zinc, Zn
20	916	-0.410
20	916	-0.410
13	915	-0.381
Median	895	0.000
19	875	0.381
Std Dev	843	1.000
69	837	1.123
19	715	3.466