

# AFPC Rock Check Program

Sample No. 2014-02

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	32	0.77	0.119
Other (describe)	102			
<b>Method Group 100</b>		<b>32</b>	<b>0.77</b>	<b>0.12</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	31.50	0.043
ICP-induced coupled plasma AFPC IX.3.D	202	6	31.57	0.081
Photometric-AFPC IX.3.C	203	18	31.55	0.114
Automated -AOAC 978.01-15th	204	11	31.55	0.084
Other(describe)	205			
<b>Method Group 200</b>		<b>39</b>	<b>31.55</b>	<b>0.08</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	3	31.74	0.044
ICP-induced coupled plasma AFPC IX.3.D	212	6	31.82	0.073
Photometric-AFPC IX.3.C	213	10	31.75	0.410
Automated -AOAC 978.01-15th	214	11	31.80	0.095
Other(describe)	215			
<b>Method Group 210</b>		<b>30</b>	<b>31.78</b>	<b>0.08</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.94	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	27	0.99	0.039
Other(describe)	303	2	1.30	0.004
<b>Method Group 300</b>		<b>31</b>	<b>0.99</b>	<b>0.04</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	1.22	0.041
ICP-induced coupled plasma-AFPC IX.7.C	402	27	1.13	0.021
Other(describe)	403	2	1.62	0.004
<b>Method Group 400</b>		<b>31</b>	<b>1.13</b>	<b>0.06</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	4	0.49	0.098
ICP-induced coupled plasma-AFPC IX.8.B	502	28	0.39	0.014
Other(describe)	503	2	0.40	0.000
<b>Method Group 500</b>		<b>34</b>	<b>0.40</b>	<b>0.01</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	23	7.20	0.160
Other(describe)	602	3	5.59	0.843
<b>Method Group 600</b>		<b>26</b>	<b>7.20</b>	<b>0.19</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	15	3.83	0.192
Other(describe)	652	7	5.17	3.547
<b>Method Group 650</b>		<b>22</b>	<b>3.88</b>	<b>0.99</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	21	46.02	0.429
Ceric Sulfate volumetric-AFPC IX.12.B	703	1	46.10	0.000
Permanganate	704	4	45.88	0.257
EDTA Volumetric-AFPC IX.12.C	705	5	46.51	1.996
Other(describe)	706	7	46.50	0.554
<b>Method Group 700</b>		<b>38</b>	<b>46.07</b>	<b>0.58</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	46.30	0.296
Ceric Sulfate volumetric-AFPC IX.12.B	713	1	46.25	0.000
Permanganate	714	2	46.27	0.225
EDTA Volumetric-AFPC IX.12.C	715	5	46.73	1.769
Other(describe)	716	7	46.64	0.640
<b>Method Group 710</b>		<b>28</b>	<b>46.39</b>	<b>0.46</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	3.63	0.187
Other (describe)	803	2	3.67	0.041
<b>Method Group 800</b>		<b>25</b>	<b>3.63</b>	<b>0.16</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	0.2	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	9	8.2	1.73
Other(describe)	913	2	8.1	0.65
<b>Method Group 900</b>		<b>12</b>	<b>8.1</b>	<b>2.11</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	13	5	0.7
Other(describe)	923	1	6	0.0
<b>Method Group 910</b>		<b>15</b>	<b>5</b>	<b>0.7</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	13	5	0.4
Other(describe)	933	1	6	0.0
<b>Method Group 920</b>		<b>15</b>	<b>5</b>	<b>0.7</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.1	0.00
Other(describe)	943	1	0.4	0.00
<b>Method Group 930</b>		<b>3</b>	<b>0.1</b>	<b>0.10</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	52	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	11	6	2.0
Other(describe)	953	1	7	0.0
<b>Method Group 940</b>		<b>13</b>	<b>6</b>	<b>1.4</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	13	21	1.5
Other(describe)	963	1	25	0.0
<b>Method Group 950</b>		<b>15</b>	<b>21</b>	<b>1.7</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	27	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	11	12	3.9
Other(describe)	973	1	12	0.0
<b>Method Group 960</b>		<b>13</b>	<b>12</b>	<b>4.7</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	2	0.9
Other(describe)	983	1	4	0.0
<b>Method Group 970</b>		<b>4</b>	<b>3</b>	<b>1.6</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	90	4
ICP-induced coupled plasma-AFPC IX.16.A	992	13	87	12
Other(describe)	993	1	88	0
<b>Method Group 980</b>		<b>16</b>	<b>87</b>	<b>9</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
35	1.30		-4.460
35	1.18		-3.455
13	0.99		-1.863
15	0.99		-1.863
15	0.98		-1.780
55	0.92		-1.277
266	0.90		-1.110
<b>Std Dev</b>	<b>0.89</b>		<b>-1.000</b>
26	0.88		-0.900
13	0.84		-0.565
10	0.83		-0.523
10	0.80		-0.272
16	0.79		-0.188
9	0.79		-0.147
21	0.78		-0.063
16	0.77		-0.021
30	0.77		-0.021
<b>Median</b>	<b>0.77</b>		<b>0.000</b>
24	0.77		0.021
9	0.76		0.063
21	0.75		0.188
24	0.75		0.188
75	0.74		0.230
75	0.73		0.314
241	0.73		0.335
49	0.71		0.482
<b>Std Dev</b>	<b>0.65</b>		<b>1.000</b>
6	0.61		1.319
61	0.61		1.319
61	0.61		1.361
275	0.49		2.324
275	0.47		2.492
27	0.32		3.748
77	0.30		3.915
77	0.13		5.339

  

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

  

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

77	31.57		-1.690
<b>Std Dev</b>	<b>31.54</b>		<b>-1.000</b>
241	31.51		-0.175
<b>Median</b>	<b>31.50</b>		<b>0.000</b>
55	31.49		0.175
<b>Std Dev</b>	<b>31.45</b>		<b>1.000</b>
241	31.39		2.622

  

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
6	31.73		-1.941
<b>Std Dev</b>	<b>31.65</b>		<b>-1.000</b>
16	31.64		-0.832
16	31.61		-0.462
<b>Median</b>	<b>31.57</b>		<b>0.000</b>
10	31.54		0.462
10	31.52		0.647
<b>Std Dev</b>	<b>31.49</b>		<b>1.000</b>
266	31.46		1.386

  

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
45	31.90		-3.119
49	31.70		-1.362
45	31.69		-1.274
<b>Std Dev</b>	<b>31.66</b>		<b>-1.000</b>
92	31.60		-0.483
30	31.58		-0.308
92	31.58		-0.308
61	31.57		-0.233
270	31.55		-0.079
61	31.55		-0.044
<b>Median</b>	<b>31.55</b>		<b>0.000</b>
9	31.54		0.044
78	31.53		0.176
9	31.52		0.264
78	31.44		0.967
<b>Std Dev</b>	<b>31.43</b>		<b>1.000</b>
26	31.43		1.054
27	30.97		5.052
60	30.75		6.986
35	27.16		38.530
35	26.96		40.288

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	31.99		-5.241
15	31.98		-5.122
<b>Std Dev</b>	<b>31.63</b>		<b>-1.000</b>
13	31.63		-0.893
75	31.62		-0.774
24	31.56		-0.060
75	31.55		0.000
77	31.55		0.000
<b>Median</b>	<b>31.55</b>		<b>0.000</b>
13	31.51		0.476
21	31.51		0.536
24	31.51		0.536
<b>Std Dev</b>	<b>31.47</b>		<b>1.000</b>
21	31.45		1.191

  

205 Other(describe)			
Lab	%	P2O5	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

  

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	31.78		-1.062
<b>Std Dev</b>	<b>31.78</b>		<b>-1.000</b>
241	31.74		0.000
<b>Median</b>	<b>31.74</b>		<b>0.000</b>
<b>Std Dev</b>	<b>31.69</b>		<b>1.000</b>
77	31.66		1.618

  

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
6	31.92		-1.406
<b>Std Dev</b>	<b>31.90</b>		<b>-1.000</b>
16	31.89		-0.956
16	31.86		-0.453
<b>Median</b>	<b>31.82</b>		<b>0.000</b>
10	31.79		0.453
10	31.78		0.529
<b>Std Dev</b>	<b>31.75</b>		<b>1.000</b>
266	31.75		1.052

  

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

49	31.93		-0.423
30	31.83		-0.175
9	31.78		-0.069
61	31.77		-0.029
9	31.76		-0.027
<b>Median</b>	<b>31.75</b>		<b>0.000</b>
61	31.74		0.027
26	31.70		0.124
<b>Std Dev</b>	<b>31.34</b>		<b>1.000</b>
27	31.07		1.667
35	27.52		10.323
35	27.28		10.897

  

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	32.31		-5.325
15	32.30		-5.254
<b>Std Dev</b>	<b>31.89</b>		<b>-1.000</b>
13	31.89		-0.975
75	31.85		-0.516
13	31.83		-0.281
24	31.80		0.000
<b>Median</b>	<b>31.80</b>		<b>0.000</b>
75	31.79		0.137
21	31.74		0.595
24	31.74		0.595
<b>Std Dev</b>	<b>31.70</b>		<b>1.000</b>
21	31.70		1.075
77	31.59		2.170

  

215 Other(describe)			
Lab	%	P2O5	dB
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

  

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
55	0.94		0.000
60	0.94		0.000
<b>Median</b>	<b>0.94</b>		<b>0.000</b>

  

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
266	1.27		-7.147
78	1.14		-3.829

78	1.10	-2.680
15	1.07	-1.914
15	1.06	-1.787
<b>Std Dev</b>	<b>1.03</b>	<b>-1.000</b>
6	1.02	-0.766
61	1.02	-0.766
61	1.02	-0.638
75	1.01	-0.471
21	1.01	-0.383
75	1.00	-0.306
45	1.00	-0.255
21	0.99	0.000
45	0.99	0.000
49	0.99	0.000
<b>Median</b>	<b>0.99</b>	<b>0.000</b>
16	0.98	0.255
9	0.97	0.510
10	0.97	0.510
10	0.97	0.510
16	0.97	0.510
9	0.96	0.766
13	0.96	0.766
13	0.96	0.766
<b>Std Dev</b>	<b>0.95</b>	<b>1.000</b>
92	0.92	1.787
92	0.92	1.787
24	0.89	2.680
24	0.87	3.063

303 Other(describe)			
Lab	%	Fe2O3	
77	1.30	-1.340	
<b>Std Dev</b>	<b>1.30</b>	<b>-1.000</b>	
<b>Median</b>	<b>1.30</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1.29</b>	<b>1.000</b>	
77	1.29	1.340	

401 Atomic Absorption-AFPC IX.6.B			
Lab	%	Al2O3	
55	1.27	-1.340	
<b>Std Dev</b>	<b>1.26</b>	<b>-1.000</b>	
<b>Median</b>	<b>1.22</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1.17</b>	<b>1.000</b>	
30	1.16	1.340	

402 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Al2O3	
266	1.76	-29.565	
78	1.37	-11.407	
78	1.31	-8.381	
61	1.30	-8.148	
61	1.25	-5.820	
<b>Std Dev</b>	<b>1.15</b>	<b>-1.000</b>	
13	1.15	-0.931	
15	1.15	-0.931	
24	1.14	-0.698	
92	1.14	-0.698	
15	1.14	-0.466	
16	1.13	-0.233	
24	1.13	-0.233	
92	1.13	-0.233	
10	1.13	0.000	
<b>Median</b>	<b>1.13</b>	<b>0.000</b>	
6	1.12	0.233	
16	1.12	0.233	
21	1.12	0.233	
45	1.12	0.233	
49	1.12	0.233	
75	1.12	0.352	
9	1.11	0.698	
9	1.11	0.698	
10	1.11	0.698	
13	1.11	0.931	
<b>Std Dev</b>	<b>1.10</b>	<b>1.000</b>	
21	1.10	1.164	
75	1.09	1.416	
45	1.09	1.630	

403 Other(describe)			
Lab	%	Al2O3	
77	1.62	-1.340	
<b>Std Dev</b>	<b>1.62</b>	<b>-1.000</b>	
<b>Median</b>	<b>1.62</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1.61</b>	<b>1.000</b>	
77	1.61	1.340	

501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
77	0.40	0.000	
77	0.40	0.000	

35	0.56	-0.740
35	0.55	-0.638
<b>Median</b>	<b>0.49</b>	<b>0.000</b>
27	0.43	0.638
55	0.41	0.791

502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
15	0.41	-1.437	
61	0.41	-1.437	
<b>Std Dev</b>	<b>0.40</b>	<b>-1.000</b>	
6	0.40	-0.718	
10	0.40	-0.718	
15	0.40	-0.718	
16	0.40	-0.718	
16	0.40	-0.718	
61	0.40	-0.718	
78	0.40	-0.718	
266	0.40	-0.718	
13	0.40	-0.359	
21	0.40	-0.359	
9	0.39	0.000	
9	0.39	0.000	
10	0.39	0.000	
21	0.39	0.000	
45	0.39	0.000	
45	0.39	0.000	
49	0.39	0.000	
<b>Median</b>	<b>0.39</b>	<b>0.000</b>	
78	0.39	0.359	
270	0.38	0.589	
13	0.38	0.718	
24	0.38	0.718	
24	0.38	0.718	
92	0.38	0.718	
92	0.38	0.718	
<b>Std Dev</b>	<b>0.38</b>	<b>1.000</b>	
75	0.36	2.010	
75	0.36	2.302	

503 Other(describe)			
Lab	%	MgO	
77	0.40	0.000	
77	0.40	0.000	

<b>Median</b>	<b>0.40</b>	<b>0.000</b>
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601 Insoluble-AFPC IX.4.A			
Lab	%	Al	
35	9.21	-12.527	
35	9.00	-11.219	
16	7.39	-1.184	
45	7.38	-1.122	
<b>Std Dev</b>	<b>7.36</b>	<b>-1.000</b>	
16	7.33	-0.810	
24	7.32	-0.717	
45	7.29	-0.561	
10	7.27	-0.436	
21	7.26	-0.374	
10	7.25	-0.312	
49	7.22	-0.125	
15	7.20	0.000	
<b>Median</b>	<b>7.20</b>	<b>0.000</b>	
9	7.19	0.062	
9	7.17	0.187	
15	7.16	0.280	
30	7.13	0.436	
24	7.10	0.654	
13	7.08	0.748	
13	7.05	0.935	
<b>Std Dev</b>	<b>7.04</b>	<b>1.000</b>	
26	7.01	1.215	
21	7.00	1.278	
6	6.79	2.555	
55	6.00	7.479	

602 Other(describe)			
Lab	%	Al	
266	7.77	-2.591	
<b>Std Dev</b>	<b>6.43</b>	<b>-1.000</b>	
275	5.59	0.000	
<b>Median</b>	<b>5.59</b>	<b>0.000</b>	
275	5.51	0.089	

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
61	5.52	-8.821	
61	5.51	-8.769	
<b>Std Dev</b>	<b>4.02</b>	<b>-1.000</b>	

15	3.91	-0.416
15	3.91	-0.416
6	3.88	-0.286
24	3.88	-0.260
24	3.87	-0.208
9	3.83	0.000
<b>Median</b>	<b>3.83</b>	<b>0.000</b>
77	3.79	0.182
9	3.77	0.286
49	3.65	0.911
<b>Std Dev</b>	<b>3.63</b>	<b>1.000</b>
13	3.62	1.067
13	3.56	1.405
30	3.55	1.431
55	3.44	2.003

652 Other(describe)		
Lab	%	CO2
35	13.50	-2.349
35	12.99	-2.205
<b>Std Dev</b>	<b>8.72</b>	<b>-1.000</b>
275	5.24	-0.020
275	5.17	0.000
<b>Median</b>	<b>5.17</b>	<b>0.000</b>
78	4.53	0.180
78	4.20	0.275
266	3.51	0.468

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
92	47.88	-4.346
92	47.67	-3.857
270	46.94	-2.164
49	46.59	-1.340
<b>Std Dev</b>	<b>46.44</b>	<b>-1.000</b>
16	46.42	-0.944
21	46.26	-0.559
21	46.20	-0.431
78	46.20	-0.431
10	46.14	-0.291

16	46.03	-0.035
10	46.02	0.000
<b>Median</b>	<b>46.02</b>	<b>0.000</b>
6	45.93	0.198
9	45.85	0.385
9	45.85	0.396
13	45.72	0.699
13	45.68	0.781
<b>Std Dev</b>	<b>45.59</b>	<b>1.000</b>
45	44.90	2.598
75	44.87	2.668
45	44.48	3.577
75	44.01	4.675
78	41.63	10.231

703 Ceric Sulfate volumetric-AFPC IX.12.B		
Lab	%	CaO
27	46.10	0.000
<b>Median</b>	<b>46.10</b>	<b>0.000</b>

704 Permanganate		
Lab	%	CaO
30	46.21	-1.277
<b>Std Dev</b>	<b>46.14</b>	<b>-1.000</b>
241	46.02	-0.517
<b>Median</b>	<b>45.88</b>	<b>0.000</b>
60	45.75	0.517
241	45.63	0.984

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
266	47.08	-0.288
275	46.56	-0.025
275	46.51	0.000
<b>Median</b>	<b>46.51</b>	<b>0.000</b>
<b>Std Dev</b>	<b>44.51</b>	<b>1.000</b>
35	43.88	1.315
35	43.09	1.711

706 Other(describe)		
Lab	%	CaO
55	52.56	-10.937
<b>Std Dev</b>	<b>47.05</b>	<b>-1.000</b>
15	46.83	-0.596

15	46.80	-0.532
77	46.50	0.000
<b>Median</b>	<b>46.50</b>	<b>0.000</b>
24	46.14	0.650
24	46.00	0.902
77	46.00	0.902

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
49	46.92	-2.103	
16	46.79	-1.652	
21	46.60	-1.020	
<b>Std Dev</b>	<b>46.60</b>	<b>-1.000</b>	
21	46.56	-0.880	
10	46.51	-0.716	
10	46.40	-0.338	
16	46.39	-0.294	
<b>Median</b>	<b>46.30</b>	<b>0.000</b>	
9	46.21	0.294	
6	46.21	0.297	
9	46.20	0.351	
13	46.14	0.551	
13	46.10	0.675	
<b>Std Dev</b>	<b>46.00</b>	<b>1.000</b>	
75	45.20	3.712	
75	44.34	6.624	

713 Ceric Sulfate volumetric-AFPC IX.12.B			
Lab	%	CaO	dB
27	46.25	0.000	
<b>Median</b>	<b>46.25</b>	<b>0.000</b>	

714 Permanganate			
Lab	%	CaO	dB
30	46.57	-1.340	
<b>Std Dev</b>	<b>46.49</b>	<b>-1.000</b>	
<b>Median</b>	<b>46.27</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>46.04</b>	<b>1.000</b>	
241	45.96	1.340	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	47.51	-0.437	
275	46.77	-0.023	
275	46.73	0.000	
<b>Median</b>	<b>46.73</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>44.96</b>	<b>1.000</b>	
35	44.40	1.317	
35	43.66	1.739	

716 Other(describe)			
Lab	%	CaO	dB
55	53.05	-10.011	
15	47.30	-1.028	
<b>Std Dev</b>	<b>47.28</b>	<b>-1.000</b>	
15	47.26	-0.966	
77	46.64	0.000	
<b>Median</b>	<b>46.64</b>	<b>0.000</b>	
24	46.49	0.240	
24	46.35	0.446	
77	46.06	0.906	

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	
27	4.59	-5.119	
15	4.18	-2.948	
15	4.16	-2.841	
<b>Std Dev</b>	<b>3.82</b>	<b>-1.000</b>	
21	3.79	-0.858	
49	3.73	-0.536	
266	3.70	-0.375	
13	3.68	-0.268	
21	3.67	-0.214	
9	3.65	-0.107	
26	3.65	-0.080	
9	3.63	0.000	
24	3.63	0.000	
<b>Median</b>	<b>3.63</b>	<b>0.000</b>	
13	3.63	0.027	
24	3.63	0.027	

30	3.60	0.161
270	3.60	0.161
275	3.48	0.804
<b>Std Dev</b>	<b>3.44</b>	<b>1.000</b>
275	3.40	1.233
35	3.39	1.286
75	3.37	1.394
75	3.33	1.608
35	3.20	2.305
55	2.90	3.913

803	Other( describe)	
Lab	%	Fluorine, F
77	3.72	-1.340
<b>Std Dev</b>	<b>3.71</b>	<b>-1.000</b>
<b>Median</b>	<b>3.67</b>	<b>0.000</b>
<b>Std Dev</b>	<b>3.62</b>	<b>1.000</b>
77	3.61	1.340

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	0.2	0.000
<b>Median</b>	<b>0.2</b>	<b>0.000</b>

912	ICP-induced coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
6	14.0	-3.357
266	13.4	-3.010
61	10.1	-1.080
61	9.9	-1.001
<b>Std Dev</b>	<b>9.9</b>	<b>-1.000</b>
24	8.2	0.000
<b>Median</b>	<b>8.2</b>	<b>0.000</b>
270	8.1	0.087
24	7.8	0.260
78	7.0	0.724
<b>Std Dev</b>	<b>6.5</b>	<b>1.000</b>
78	5.5	1.592

913	Other( describe)	
Lab	ppm	Arsenic, As
13	9.0	-1.340
<b>Std Dev</b>	<b>8.7</b>	<b>-1.000</b>
<b>Median</b>	<b>8.1</b>	<b>0.000</b>

<b>Std Dev</b>	<b>7.4</b>	<b>1.000</b>
77	7.2	1.340

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
78	8	-3.853
78	7	-1.863
<b>Std Dev</b>	<b>6</b>	<b>-1.000</b>
6	6	-0.804
77	6	-0.804
61	6	-0.369
61	6	-0.261
270	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>
266	5	0.308
75	5	0.536
75	5	0.536
77	5	0.536
24	5	0.804
<b>Std Dev</b>	<b>5</b>	<b>1.000</b>
24	5	1.005

923	Other( describe)	
Lab	ppm	Cadmium, Cd
13	6	0.000
<b>Median</b>	<b>6</b>	<b>0.000</b>

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	4	0.000
<b>Median</b>	<b>4</b>	<b>0.000</b>

932	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	9	-9.015
78	8	-6.578
266	6	-2.436
<b>Std Dev</b>	<b>5</b>	<b>-1.000</b>
61	5	-0.487

933	Other( describe)	
Lab	ppm	Cobalt, Co
13	6	0.000
<b>Median</b>	<b>6</b>	<b>0.000</b>

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
942	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
266	0.1	-1.340
<b>Std Dev</b>	<b>0.1</b>	<b>-1.000</b>
<b>Median</b>	<b>0.1</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.1</b>	<b>1.000</b>
270	0.1	1.340

943	Other( describe)	
Lab	ppm	Mercury, Hg
13	0.4	0.000
<b>Median</b>	<b>0.4</b>	<b>0.000</b>

944	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Molybdenum, Mo
55	52	0.000
<b>Median</b>	<b>52</b>	<b>0.000</b>

952	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Molybdenum, Mo
266	8	-0.954
6	8	-0.908
78	7	-0.530

77	5	-0.487
77	5	-0.487
6	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>
270	5	0.244
61	5	0.268
24	4	0.853
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>
24	4	1.584
75	3	5.604
75	1	9.258

953	Other( describe)	
Lab	ppm	Molybdenum, Mo
13	7	0.000
<b>Median</b>	<b>7</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
266	45	-16.348
78	29	-5.025
270	23	-1.005
<b>Std Dev</b>	<b>22</b>	<b>-1.000</b>
78	22	-0.670
61	21	-0.191
6	21	0.000
77	21	0.000
<b>Median</b>	<b>21</b>	<b>0.000</b>
61	21	0.221
75	20	0.670
75	20	0.670
77	20	0.670
24	20	0.871
<b>Std Dev</b>	<b>20</b>	<b>1.000</b>
24	19	1.541

963	Other( describe)	
Lab	ppm	Nickel, Ni
13	25	0.000
<b>Median</b>	<b>25</b>	<b>0.000</b>

964	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Molybdenum, Mo
55	52	0.000
<b>Median</b>	<b>52</b>	<b>0.000</b>

965	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Molybdenum, Mo
266	8	-0.954
6	8	-0.908
78	7	-0.530

61	7	-0.257
61	6	-0.146
77	6	0.000
<b>Median</b>	<b>6</b>	<b>0.000</b>
270	6	0.076
78	5	0.429
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>
24	3	1.464
24	3	1.666
77	2	2.019

953	Other( describe)	
Lab	ppm	Molybdenum, Mo
13	7	0.000
<b>Median</b>	<b>7</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
266	45	-16.348
78	29	-5.025
270	23	-1.005
<b>Std Dev</b>	<b>22</b>	<b>-1.000</b>
78	22	-0.670
61	21	-0.191
6	21	0.000
77	21	0.000
<b>Median</b>	<b>21</b>	<b>0.000</b>
61	21	0.221
75	20	0.670
75	20	0.670
77	20	0.670
24	20	0.871
<b>Std Dev</b>	<b>20</b>	<b>1.000</b>
24	19	1.541

963	Other( describe)	
Lab	ppm	Nickel, Ni
13	25	0.000
<b>Median</b>	<b>25</b>	<b>0.000</b>

971 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Lead, Pb	
55	27		0.000
Median	27		0.000

972 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Lead, Pb	
6	16		-0.995
61	15		-0.801
266	15		-0.791
77	13		-0.232
270	12		-0.042
61	12		0.000
Median	12		0.000
77	10		0.530
24	9		0.796
24	9		0.860
Std Dev	8		1.000
78	1		2.816
78	1		2.816

973 Other(describe)			
Lab	ppm	Lead, Pb	
13	12		0.000
Median	12		0.000

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	
266	4		-2.680
Std Dev	2		-1.000
77	2		0.000
77	2		0.000
Median	2		0.000

983 Other(describe)			
Lab	ppm	Selenium, Se	
13	4		0.000
Median	4		0.000

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
60	95		-1.340
Std Dev	94		-1.000
Median	90		0.000
Std Dev	86		1.000
55	85		1.340

992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
24	126		-3.321
24	124		-3.183
78	115		-2.366
78	99		-1.026
Std Dev	99		-1.000
266	91		-0.291
61	90		-0.205
61	87		0.000
Median	87		0.000
75	87		0.055
6	84		0.271
75	84		0.314
270	81		0.530
Std Dev	76		1.000
77	73		1.222
77	68		1.654

993 Other(describe)			
Lab	ppm	Zinc, Zn	
13	88		0.000
Median	88		0.000