

# AFPC Rock Check Program

Sample No. 2011-11

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	25	0.61	0.063
Other (describe)	102	3	0.36	0.090
<b>Method Group 100</b>		<b>28</b>	<b>0.61</b>	<b>0.08</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	1	29.28	0.000
ICP-induced coupled plasma AFPC IX.3.D	202	6	29.18	0.099
Photometric-AFPC IX.3.C	203	12	29.28	0.183
Automated -AOAC 978.01-15th	204	11	29.01	0.291
Other(describe)	205	3	29.14	0.134
<b>Method Group 200</b>		<b>33</b>	<b>29.20</b>	<b>0.22</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	1	29.40	0.000
ICP-induced coupled plasma AFPC IX.3.D	212	5	29.38	0.107
Photometric-AFPC IX.3.C	213	9	29.52	0.181
Automated -AOAC 978.01-15th	214	11	29.22	0.330
Other(describe)	215	2	29.24	0.003
<b>Method Group 210</b>		<b>28</b>	<b>29.37</b>	<b>0.22</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.36	0.106
ICP-induced coupled plasma-AFPC IX.6.C	302	26	0.51	0.015
Other(describe)	303	3	0.42	0.052
<b>Method Group 300</b>		<b>31</b>	<b>0.51</b>	<b>0.03</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	1.07	0.099
ICP-induced coupled plasma-AFPC IX.7.C	402	26	0.83	0.135
Other(describe)	403	3	0.77	0.466
<b>Method Group 400</b>		<b>31</b>	<b>0.85</b>	<b>0.16</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	4	0.46	0.067
ICP-induced coupled plasma-AFPC IX.8.B	502	24	0.42	0.020
Other(describe)	503	3	0.38	0.052
<b>Method Group 500</b>		<b>31</b>	<b>0.42</b>	<b>0.02</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	18	12.52	0.274
Other(describe)	602	4	13.50	1.319
<b>Method Group 600</b>		<b>22</b>	<b>12.60</b>	<b>0.33</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	13	3.65	0.261
Other(describe)	652	5	3.46	2.925
<b>Method Group 650</b>		<b>18</b>	<b>3.64</b>	<b>0.32</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	17	43.68	0.448
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	4	44.39	0.735
EDTA Volumetric-AFPC IX.12.C	705	3	43.98	1.175
Other(describe)	706	7	43.07	0.351
<b>Method Group 700</b>		<b>31</b>	<b>43.68</b>	<b>0.63</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	43.94	0.317
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	4	44.50	0.768
EDTA Volumetric-AFPC IX.12.C	715	3	44.23	1.213
Other(describe)	716	6	43.35	0.431
<b>Method Group 710</b>		<b>27</b>	<b>43.95</b>	<b>0.48</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	17	3.07	0.164
Other( describe)	803	5	2.70	0.299
<b>Method Group 800</b>		<b>22</b>	<b>3.02</b>	<b>0.11</b>
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	9	4.6	8.53
Other(describe)	913	2	14.3	4.25
<b>Method Group 900</b>		<b>11</b>	<b>7.7</b>	<b>7.07</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	10	85	12.9
Other(describe)	923	2	6	2.1
<b>Method Group 910</b>		<b>12</b>	<b>84</b>	<b>28.0</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	6	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	10	1	0.5
Other(describe)	933	2	3	0.7
<b>Method Group 920</b>		<b>13</b>	<b>1</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	0.3	0.01
Other(describe)	943	1	0.7	0.00
<b>Method Group 930</b>		<b>3</b>	<b>0.3</b>	<b>0.18</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	5	8	1.1
Other(describe)	953	2	8	0.6
<b>Method Group 940</b>		<b>7</b>	<b>8</b>	<b>1.2</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	162	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	10	86	8.1
Other(describe)	963	3	87	17.9
<b>Method Group 950</b>		<b>14</b>	<b>87</b>	<b>8.6</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	3	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	8	8	3.6
Other(describe)	973	2	12	4.9
<b>Method Group 960</b>		<b>11</b>	<b>7</b>	<b>3.9</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	7	4.1
Other(describe)	983	1	13	0.0
<b>Method Group 970</b>		<b>6</b>	<b>8</b>	<b>5.9</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	819	0
ICP-induced coupled plasma-AFPC IX.16.A	992	10	721	103
Other(describe)	993	4	665	182
<b>Method Group 980</b>		<b>15</b>	<b>717</b>	<b>99</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
10	0.75		-2.207
24	0.71		-1.576
266	0.70		-1.419
24	0.69		-1.261
6	0.69		-1.182
<b>Std Dev</b>	<b>0.67</b>		<b>-1.000</b>
10	0.66		-0.788
49	0.66		-0.788
9	0.66		-0.709
13	0.65		-0.631
16	0.63		-0.315
13	0.62		-0.158
61	0.62		-0.158
15	0.61		0.000
16	0.61		0.000
61	0.61		0.000
<b>Median</b>	<b>0.61</b>		<b>0.000</b>
75	0.60		0.158
9	0.59		0.394
15	0.58		0.552
75	0.58		0.552
35	0.56		0.788
<b>Std Dev</b>	<b>0.55</b>		<b>1.000</b>
35	0.52		1.419
77	0.41		3.153
30	0.38		3.626
77	0.28		5.202
27	0.20		6.464

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
26	0.57		-2.401
<b>Std Dev</b>	<b>0.44</b>		<b>-1.000</b>
280	0.36		0.000
<b>Median</b>	<b>0.36</b>		<b>0.000</b>
280	0.33		0.279

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	29.28		0.000
<b>Median</b>	<b>29.28</b>		<b>0.000</b>

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
16	29.33		-1.568
266	29.28		-1.062
<b>Std Dev</b>	<b>29.27</b>		<b>-1.000</b>
16	29.20		-0.253
<b>Median</b>	<b>29.18</b>		<b>0.000</b>
10	29.15		0.253
10	29.12		0.556
<b>Std Dev</b>	<b>29.08</b>		<b>1.000</b>
6	29.07		1.112

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	29.60		-1.750
6	29.48		-1.094
<b>Std Dev</b>	<b>29.46</b>		<b>-1.000</b>
9	29.44		-0.875
9	29.42		-0.766
35	29.35		-0.383
92	29.30		-0.109
<b>Median</b>	<b>29.28</b>		<b>0.000</b>
30	29.26		0.109
26	29.21		0.383
92	29.20		0.438
49	29.12		0.875
<b>Std Dev</b>	<b>29.10</b>		<b>1.000</b>
27	28.97		1.696
270	28.85		2.352

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	29.52		-1.735
15	29.49		-1.649
13	29.39		-1.306
13	29.31		-1.031
<b>Std Dev</b>	<b>29.30</b>		<b>-1.000</b>
61	29.13		-0.412
24	29.01		0.000
<b>Median</b>	<b>29.01</b>		<b>0.000</b>
24	29.01		0.000
77	28.97		0.137
75	28.95		0.206
75	28.90		0.378

<b>Std Dev</b>	<b>28.72</b>		<b>1.000</b>
61	26.97		7.026

205 Other(describe)			
Lab	%	P2O5	
19	29.50		-2.680
<b>Std Dev</b>	<b>29.27</b>		<b>-1.000</b>
280	29.14		0.000
280	29.14		0.000
<b>Median</b>	<b>29.14</b>		<b>0.000</b>

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	29.40		0.000
<b>Median</b>	<b>29.40</b>		<b>0.000</b>

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
16	29.52		-1.284
266	29.49		-1.006
<b>Std Dev</b>	<b>29.49</b>		<b>-1.000</b>
16	29.38		0.000
<b>Median</b>	<b>29.38</b>		<b>0.000</b>
10	29.34		0.334
10	29.34		0.368

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	29.75		-1.324
<b>Std Dev</b>	<b>29.70</b>		<b>-1.000</b>
6	29.68		-0.929
9	29.61		-0.546
9	29.61		-0.542
35	29.52		0.000
<b>Median</b>	<b>29.52</b>		<b>0.000</b>
26	29.38		0.762
30	29.37		0.794
<b>Std Dev</b>	<b>29.33</b>		<b>1.000</b>
49	29.31		1.116
27	29.03		2.694

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	29.70		-1.452

15	29.66		-1.344
13	29.58		-1.107
<b>Std Dev</b>	<b>29.55</b>		<b>-1.000</b>
13	29.49		-0.836
61	29.31		-0.286
24	29.22		0.000
<b>Median</b>	<b>29.22</b>		<b>0.000</b>
24	29.21		0.018
75	29.12		0.303
75	29.07		0.434
77	29.05		0.504
<b>Std Dev</b>	<b>28.89</b>		<b>1.000</b>
61	27.13		6.332

215 Other(describe)			
Lab	%	P2O5	dB
280	29.24		-1.340
<b>Std Dev</b>	<b>29.24</b>		<b>-1.000</b>
<b>Median</b>	<b>29.24</b>		<b>0.000</b>
<b>Std Dev</b>	<b>29.24</b>		<b>1.000</b>
280	29.24		1.340

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
27	0.51		-1.340
<b>Std Dev</b>	<b>0.47</b>		<b>-1.000</b>
<b>Median</b>	<b>0.36</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.26</b>		<b>1.000</b>
30	0.22		1.340

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
266	0.59		-5.360
77	0.57		-4.020
77	0.57		-4.020
61	0.54		-1.675
61	0.53		-1.340
270	0.53		-1.340
<b>Std Dev</b>	<b>0.52</b>		<b>-1.000</b>
10	0.52		-0.670
49	0.52		-0.670
75	0.52		-0.480
75	0.52		-0.384
6	0.52		-0.335

10	0.51	0.000
16	0.51	0.000
16	0.51	0.000
24	0.51	0.000
24	0.51	0.000
<b>Median</b>	<b>0.51</b>	<b>0.000</b>
9	0.50	0.670
9	0.50	0.670
13	0.50	0.670
13	0.50	0.670
<b>Std Dev</b>	<b>0.50</b>	<b>1.000</b>
92	0.49	1.340
15	0.49	1.675
15	0.49	1.675
35	0.47	2.680
92	0.47	2.680
35	0.20	20.770

303 Other(describe)		
Lab	%	Fe2O3
19	0.46	-0.766
280	0.42	0.000
<b>Median</b>	<b>0.42</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.37</b>	<b>1.000</b>
280	0.32	1.914

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
27	1.21	-1.340
<b>Std Dev</b>	<b>1.17</b>	<b>-1.000</b>
<b>Median</b>	<b>1.07</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.97</b>	<b>1.000</b>
30	0.94	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.62	-5.871
77	1.53	-5.206
77	1.50	-4.985
15	1.01	-1.329
15	1.01	-1.329
<b>Std Dev</b>	<b>0.96</b>	<b>-1.000</b>
61	0.96	-0.960
49	0.91	-0.628

270	0.89	-0.480
24	0.87	-0.332
61	0.87	-0.332
6	0.85	-0.185
92	0.85	-0.185
24	0.85	-0.148
<b>Median</b>	<b>0.83</b>	<b>0.000</b>
9	0.81	0.148
92	0.80	0.185
9	0.79	0.258
35	0.78	0.332
75	0.76	0.516
75	0.75	0.560
10	0.72	0.812
16	0.71	0.849
16	0.71	0.849
10	0.71	0.886
<b>Std Dev</b>	<b>0.69</b>	<b>1.000</b>
13	0.57	1.883
13	0.57	1.883
35	0.37	3.360

403 Other(describe)		
Lab	%	Al2O3
19	1.72	-2.037
<b>Std Dev</b>	<b>1.24</b>	<b>-1.000</b>
280	0.77	0.000
<b>Median</b>	<b>0.77</b>	<b>0.000</b>
280	0.47	0.643

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
27	0.55	-1.414
<b>Std Dev</b>	<b>0.52</b>	<b>-1.000</b>
30	0.49	-0.521
<b>Median</b>	<b>0.46</b>	<b>0.000</b>
35	0.42	0.521
35	0.40	0.819

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
92	0.49	-3.829
92	0.46	-2.297
61	0.46	-2.297

13	0.44	-1.276
13	0.44	-1.276
<b>Std Dev</b>	<b>0.43</b>	<b>-1.000</b>
49	0.43	-0.766
266	0.43	-0.766
61	0.43	-0.510
6	0.42	-0.255
24	0.42	-0.255
77	0.42	-0.255
10	0.42	0.000
10	0.42	0.000
<b>Median</b>	<b>0.42</b>	<b>0.000</b>
24	0.41	0.255
9	0.41	0.255
16	0.41	0.255
77	0.41	0.255
9	0.41	0.510
16	0.40	0.766
<b>Std Dev</b>	<b>0.40</b>	<b>1.000</b>
15	0.39	1.276
15	0.39	1.276
270	0.39	1.276
75	0.38	1.816
75	0.38	1.816

503 Other(describe)		
Lab	%	MgO
19	0.43	-0.957
280	0.38	0.000
<b>Median</b>	<b>0.38</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.33</b>	<b>1.000</b>
280	0.29	1.723

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
27	15.26	-9.991
15	14.71	-7.967
15	14.70	-7.931
<b>Std Dev</b>	<b>12.79</b>	<b>-1.000</b>
10	12.69	-0.602
6	12.67	-0.529
9	12.64	-0.419
30	12.61	-0.328
24	12.58	-0.219

16	12.55	-0.109
<b>Median</b>	<b>12.52</b>	<b>0.000</b>
49	12.49	0.109
24	12.49	0.128
10	12.46	0.219
16	12.38	0.510
9	12.26	0.948
<b>Std Dev</b>	<b>12.25</b>	<b>1.000</b>
13	12.04	1.750
13	11.90	2.261
35	11.69	3.026
35	11.56	3.500

602 Other(describe)		
Lab	%	Al
280	16.06	-1.945
<b>Std Dev</b>	<b>14.81</b>	<b>-1.000</b>

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
77	3.99	-1.321
77	3.94	-1.129
<b>Std Dev</b>	<b>3.91</b>	<b>-1.000</b>
49	3.88	-0.900
30	3.81	-0.632
61	3.80	-0.593
15	3.67	-0.077
15	3.65	0.000
<b>Median</b>	<b>3.65</b>	<b>0.000</b>
13	3.64	0.019
9	3.46	0.708
9	3.46	0.708
13	3.42	0.861
24	3.40	0.957
<b>Std Dev</b>	<b>3.38</b>	<b>1.000</b>
61	1.74	7.293

652 Other(describe)		
Lab	%	CO2
35	12.70	-3.159
35	7.02	-1.217
<b>Std Dev</b>	<b>6.39</b>	<b>-1.000</b>
280	3.46	0.000
<b>Median</b>	<b>3.46</b>	<b>0.000</b>
280	3.10	0.123

266 3.01 0.154

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	

92	45.20	-3.406
61	44.72	-2.323
92	44.62	-2.111
270	44.32	-1.441
Std Dev	44.12	-1.000
77	44.10	-0.949
16	43.76	-0.190
10	43.76	-0.179
16	43.72	-0.101
9	43.68	0.000
Median	43.68	0.000
10	43.67	0.011
49	43.66	0.034
9	43.58	0.223
77	43.50	0.391
6	43.28	0.882
Std Dev	43.23	1.000
75	42.45	2.740
75	42.35	2.959
61	40.95	6.097

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

704	Permanganate		
Lab	%	CaO	
280	45.47	-1.476	
Std Dev	45.12	-1.000	
280	44.70	-0.429	
Median	44.39	0.000	
27	44.07	0.429	
Std Dev	43.65	1.000	
30	43.42	1.313	

705	EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO	
266	46.61	-2.238	
Std Dev	45.16	-1.000	
35	43.98	0.000	
Median	43.98	0.000	
35	43.46	0.442	

706	Other(describe)		
Lab	%	CaO	
15	43.82	-2.138	
15	43.81	-2.110	
Std Dev	43.42	-1.000	
19	43.20	-0.371	
24	43.07	0.000	
Median	43.07	0.000	
13	43.06	0.029	
24	43.01	0.171	
13	42.94	0.371	

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	
61	44.99	-3.324		
Std Dev	44.26	-1.000		
77	44.22	-0.893		
10	44.05	-0.330		
16	44.04	-0.304		
10	44.00	-0.186		
16	43.99	-0.149		
49	43.95	-0.029		
Median	43.94	0.000		
9	43.93	0.029		
9	43.86	0.249		
77	43.68	0.827		
Std Dev	43.62	1.000		
6	43.58	1.145		
75	42.70	3.905		
75	42.59	4.250		
61	41.20	8.666		

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

714	Permanganate			
Lab	%	CaO	dB	
280	45.63	-1.470		
Std Dev	45.27	-1.000		
280	44.85	-0.449		
Median	44.50	0.000		
27	44.16	0.449		
Std Dev	43.74	1.000		
30	43.59	1.195		

715	EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB	
266	46.94	-2.234		
Std Dev	45.44	-1.000		
35	44.23	0.000		
Median	44.23	0.000		
35	43.69	0.446		

716	Other(describe)			
Lab	%	CaO	dB	
15	44.08	-1.695		
15	44.07	-1.682		
Std Dev	43.78	-1.000		
24	43.37	-0.047		
Median	43.35	0.000		
13	43.33	0.047		
24	43.32	0.073		
13	43.22	0.297		

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	3.64	-3.472	
15	3.35	-1.675	
15	3.34	-1.645	
49	3.24	-1.035	
Std Dev	3.23	-1.000	

35	3.22	-0.914
9	3.14	-0.396
24	3.08	-0.030
24	3.08	-0.030
30	3.07	0.000
Median	3.07	0.000
266	3.05	0.122
13	3.04	0.183
9	3.01	0.396
13	3.00	0.426
270	3.00	0.426
75	2.98	0.579
75	2.97	0.609
27	2.96	0.700

803	Other( describe)		
Lab	%	Fluorine, F	
77	2.98	-0.938	
77	2.94	-0.804	
19	2.70	0.000	
Median	2.70	0.000	
280	2.54	0.536	
Std Dev	2.40	1.000	
280	2.38	1.072	

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

912	ICP-induced coupled plasma-AFPC IX.15.I		
Lab	ppm	Arsenic, As	
61	13.9	-1.093	
Std Dev	13.1	-1.000	
266	11.5	-0.809	
61	11.4	-0.801	
270	7.7	-0.363	
35	4.6	0.000	
Median	4.6	0.000	
35	4.0	0.070	
24	0.0	0.539	
77	0.0	0.539	
77	0.0	0.539	

913 Other(describe)			
Lab	ppm	Arsenic, As	
6	20.0	-1.340	
Std Dev	18.6	-1.000	
Median	14.3	0.000	
Std Dev	10.1	1.000	
13	8.6	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	
77	99	-1.083	
Std Dev	98	-1.000	
77	96	-0.850	
270	92	-0.552	
61	92	-0.533	
75	85	-0.010	
Median	85	0.000	
75	85	0.010	
61	83	0.123	
Std Dev	72	1.000	
266	72	1.015	
35	56	2.246	
35	50	2.711	

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
13	9	-1.340	
Std Dev	8	-1.000	
Median	6	0.000	
Std Dev	4	1.000	
6	3	1.340	

931 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
27	6	0.000	
Median	6	0.000	

932 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Cobalt, Co	
77	2	-1.737	

270	2	-1.441	
266	2	-1.145	
Std Dev	2	-1.000	
61	1	-0.267	
61	1	-0.237	
Median	1	0.000	
35	1	0.237	
77	1	0.237	
35	1	0.474	
Std Dev	1	1.000	
75	0	1.505	
75	0	1.667	

933 Other(describe)			
Lab	ppm	Cobalt, Co	
6	4	-1.340	
Std Dev	4	-1.000	
Median	3	0.000	
Std Dev	2	1.000	
13	2	1.340	

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	
35	<1	0.000	
35	<1	0.000	
266	0.3	-1.340	
Std Dev	0.3	-1.000	
Median	0.3	0.000	
270		1.340	

943 Other(describe)			
Lab	ppm	Mercury, Hg	
13	0.7	0.000	
Median	0.7	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	
61	76	-63.139	
Std Dev	9	-1.000	
266	8	-0.239	
61	8	0.000	
Median	8	0.000	
Std Dev	7	1.000	
77	7	1.101	
77	6	2.038	

953 Other(describe)			
Lab	ppm	Molybdenum, Mo	
13	9	-1.340	
Std Dev	9	-1.000	
Median	8	0.000	
Std Dev	8	1.000	
6	8	1.340	

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
27	162	0.000	
Median	162	0.000	

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	
77	93	-0.898	
77	92	-0.774	
266	92	-0.762	
61	89	-0.429	
75	87	-0.110	
Median	86	0.000	
75	85	0.110	
61	85	0.131	
270	79	0.838	
Std Dev	78	1.000	
35	59	3.319	
35	57	3.567	

963 Other(describe)			
Lab	ppm	Nickel, Ni	
19	101	-0.776	
13	87	0.000	
Median	87	0.000	

Std Dev	69	1.000	
19	53	1.904	

971 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Lead, Pb	
27	3	0.000	
Median	3	0.000	

972 ICP-induced coupled plasma-AFPC IX.16.			
Lab	ppm	Lead, Pb	
61	16	-2.092	
Std Dev	12	-1.000	
270	10	-0.590	
266	10	-0.418	
61	9	-0.297	
Median	8	0.000	
35	7	0.297	
35	5	0.796	
Std Dev	4	1.000	
77	4	1.129	
77	4	1.129	

973 Other(describe)			
Lab	ppm	Lead, Pb	
6	18	-1.340	
Std Dev	17	-1.000	
Median	12	0.000	
Std Dev	7	1.000	
13	5	1.340	

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	14	-1.680	
Std Dev	11	-1.000	
61	8	-0.386	
61	7	0.000	
Median	7	0.000	
77	3	0.954	
Std Dev	3	1.000	
77	0	1.692	

983 Other(describe)		
Lab	ppm	Selenium, Se
13	13	0.000
<b>Median</b>	<b>13</b>	<b>0.000</b>

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
27	819	0.000
<b>Median</b>	<b>819</b>	<b>0.000</b>

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
61	860	-1.356
<b>Std Dev</b>	<b>824</b>	<b>-1.000</b>
77	789	-0.663
61	777	-0.546
75	732	-0.105
75	725	-0.039
<b>Median</b>	<b>721</b>	<b>0.000</b>
77	717	0.039
266	629	0.897
270	628	0.907
<b>Std Dev</b>	<b>618</b>	<b>1.000</b>
35	612	1.063
35	508	2.077

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	717	-0.288
19	713	-0.266
<b>Median</b>	<b>665</b>	<b>0.000</b>
19	616	0.266
<b>Std Dev</b>	<b>482</b>	<b>1.000</b>
6	31	3.476