

# AFPC Rock Check Program

Sample No. 2012-12

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	26	0.62	0.103
Other (describe)	102			
Method Group 100		26	0.62	0.10
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	2	30.61	0.052
ICP-induced coupled plasma AFPC IX.3.D	202	4	30.71	0.189
Photometric-AFPC IX.3.C	203	10	30.56	0.150
Automated -AOAC 978.01-15th	204	13	30.65	0.194
Other(describe)	205	2	30.35	0.037
Method Group 200		31	30.62	0.18
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	30.74	0.044
ICP-induced coupled plasma AFPC IX.3.D	212	4	30.93	0.183
Photometric-AFPC IX.3.C	213	6	30.90	0.174
Automated -AOAC 978.01-15th	214	13	30.82	0.226
Other(describe)	215	1	30.60	0.000
Method Group 210		26	30.82	0.22
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	1	1.61	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	27	1.37	0.080
Other(describe)	303	3	1.60	0.108
Method Group 300		31	1.38	0.10
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	1.02	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	27	0.94	0.053
Other(describe)	403	3	1.20	0.168
Method Group 400		31	0.94	0.07
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	3	0.98	0.039
ICP-induced coupled plasma-AFPC IX.8.B	502	25	0.83	0.045
Other(describe)	503	3	0.80	0.019
Method Group 500		31	0.83	0.06
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	18	6.48	0.255
Other(describe)	602	2	7.15	0.343
Method Group 600		20	6.53	0.26
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	14	4.13	0.213
Other(describe)	652	5	5.35	2.093
Method Group 650		19	4.19	0.51
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	18	46.00	0.572
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	46.16	0.000
EDTA Volumetric-AFPC IX.12.C	705	3	45.63	0.198
Other(describe)	706	9	46.30	0.216
Method Group 700		31	46.10	0.57
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	46.32	0.459
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	46.37	0.000
EDTA Volumetric-AFPC IX.12.C	715	3	45.84	0.233
Other(describe)	716	8	46.55	0.317
Method Group 710		26	46.38	0.51

	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	3.58	0.097
Other( describe)	803	3	3.59	0.108
Method Group 800		20	3.59	0.10
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	9	21.3	3.96
Other(describe)	913	2	24.5	1.12
Method Group 900		11	22.0	3.75
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	14	3	0.3
Other(describe)	923	1	3	0.0
Method Group 910		15	3	0.2
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	12	4	1.1
Other(describe)	933	1	6	0.0
Method Group 920		13	4	1.4
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	1	0.1	0.00
Other(describe)	943			
Method Group 930		1	0.1	0.00
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	9	13	1.6
Other(describe)	953	1	17	0.0
Method Group 940		10	13	2.4
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	14	13	3.6
Other(describe)	963	3	22	1.6
Method Group 950		17	14	6.0
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	10	14	1.7
Other(describe)	973	1	16	0.0
Method Group 960		11	14	2.0
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	2	3.1
Other(describe)	983	1	5	0.0
Method Group 970		6	3	2.8
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991			
ICP-induced coupled plasma-AFPC IX.16.A	992	12	35	4
Other(describe)	993	2	40	1
Method Group 980		14	36	5

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
9	0.74		-1.218
10	0.74		-1.218
16	0.73		-1.121
15	0.72		-1.023
<b>Std Dev</b>	<b>0.72</b>		<b>-1.000</b>
10	0.71		-0.877
15	0.71		-0.877
16	0.69		-0.731
24	0.65		-0.341
69	0.65		-0.341
9	0.64		-0.244
13	0.63		-0.146
75	0.63		-0.146
13	0.62		-0.049
<b>Median</b>	<b>0.62</b>		<b>0.000</b>
49	0.61		0.049
266	0.60		0.146
61	0.58		0.390
21	0.57		0.439
24	0.57		0.487
75	0.55		0.633
61	0.54		0.731
<b>Std Dev</b>	<b>0.51</b>		<b>1.000</b>
21	0.50		1.121
35	0.45		1.608
241	0.45		1.608
35	0.40		2.095
77	0.39		2.193
77	0.38		2.290

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	
77	30.68		-1.340
<b>Std Dev</b>	<b>30.66</b>		<b>-1.000</b>
<b>Median</b>	<b>30.61</b>		<b>0.000</b>
<b>Std Dev</b>	<b>30.56</b>		<b>1.000</b>
241	30.54		1.340

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	31.49		-4.132
<b>Std Dev</b>	<b>30.90</b>		<b>-1.000</b>
16	30.73		-0.119
<b>Median</b>	<b>30.71</b>		<b>0.000</b>
10	30.69		0.119
10	30.61		0.515

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
9	30.84		-1.848
49	30.77		-1.415
16	30.72		-1.082
<b>Std Dev</b>	<b>30.71</b>		<b>-1.000</b>
9	30.65		-0.583
78	30.59		-0.183
<b>Median</b>	<b>30.56</b>		<b>0.000</b>
35	30.53		0.183
92	30.50		0.383
92	30.50		0.383
78	30.48		0.549
35	30.46		0.649

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
61	32.28		-8.401
<b>Std Dev</b>	<b>30.84</b>		<b>-1.000</b>
21	30.81		-0.799
15	30.74		-0.464
15	30.73		-0.412
24	30.66		-0.026
61	30.65		0.000
75	30.65		0.000
<b>Median</b>	<b>30.65</b>		<b>0.000</b>
24	30.62		0.155
77	30.53		0.618
13	30.47		0.928
<b>Std Dev</b>	<b>30.46</b>		<b>1.000</b>
13	30.34		1.598
21	30.24		2.139
75	30.22		2.216

205 Other(describe)			
Lab	%	P2O5	
69	30.40		-1.340
<b>Std Dev</b>	<b>30.39</b>		<b>-1.000</b>
<b>Median</b>	<b>30.35</b>		<b>0.000</b>
<b>Std Dev</b>	<b>30.31</b>		<b>1.000</b>
19	30.30		1.340

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	30.80		-1.340
<b>Std Dev</b>	<b>30.78</b>		<b>-1.000</b>
<b>Median</b>	<b>30.74</b>		<b>0.000</b>
<b>Std Dev</b>	<b>30.69</b>		<b>1.000</b>
241	30.68		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	31.68		-4.078
<b>Std Dev</b>	<b>31.12</b>		<b>-1.000</b>
16	30.96		-0.116
<b>Median</b>	<b>30.93</b>		<b>0.000</b>
10	30.91		0.116
10	30.83		0.589

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
9	31.03		-0.748
49	30.96		-0.318
16	30.93		-0.172
<b>Median</b>	<b>30.90</b>		<b>0.000</b>
9	30.87		0.172
<b>Std Dev</b>	<b>30.73</b>		<b>1.000</b>
35	30.67		1.353
35	30.58		1.846

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
61	32.47		-7.277
<b>Std Dev</b>	<b>31.05</b>		<b>-1.000</b>
21	30.96		-0.620
15	30.96		-0.613
15	30.95		-0.589
24	30.83		-0.043

24	30.82		-0.004
75	30.82		0.000
<b>Median</b>	<b>30.82</b>		<b>0.000</b>
61	30.82		0.014
13	30.66		0.691
77	30.65		0.751
<b>Std Dev</b>	<b>30.59</b>		<b>1.000</b>
13	30.53		1.282
75	30.41		1.802
21	30.41		1.816

215 Other(describe)			
Lab	%	P2O5	dB
69	30.60		0.000
<b>Median</b>	<b>30.60</b>		<b>0.000</b>

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
241	1.61		0.000
<b>Median</b>	<b>1.61</b>		<b>0.000</b>

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
266	1.59		-2.742
61	1.53		-1.994
78	1.49		-1.496
75	1.48		-1.327
15	1.47		-1.247
75	1.46		-1.167
15	1.46		-1.122
<b>Std Dev</b>	<b>1.45</b>		<b>-1.000</b>
9	1.42		-0.623
13	1.40		-0.374
92	1.40		-0.374
13	1.39		-0.249
92	1.39		-0.249
9	1.38		-0.125
10	1.37		0.000
<b>Median</b>	<b>1.37</b>		<b>0.000</b>
10	1.36		0.125
16	1.35		0.249
78	1.35		0.249
16	1.34		0.374
69	1.34		0.424

21	1.34	0.436
35	1.33	0.499
49	1.32	0.623
21	1.31	0.748
<b>Std Dev</b>	<b>1.29</b>	<b>1.000</b>
35	1.28	1.122
24	1.24	1.620
24	1.23	1.807
61	1.18	2.368

303 Other(describe)		
Lab	%	Fe2O3
77	1.60	0.000
77	1.60	0.000
<b>Median</b>	<b>1.60</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.49</b>	<b>1.000</b>
19	1.31	2.680

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
241	1.02	0.000
<b>Median</b>	<b>1.02</b>	<b>0.000</b>

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.32	-7.202
78	1.17	-4.302
61	1.11	-3.273
24	1.08	-2.619
24	1.08	-2.619
78	1.00	-1.122
<b>Std Dev</b>	<b>0.99</b>	<b>-1.000</b>
61	0.99	-0.935
92	0.98	-0.842
9	0.95	-0.281
92	0.95	-0.281
69	0.94	-0.120
16	0.94	-0.094
35	0.94	-0.094
9	0.94	0.000
<b>Median</b>	<b>0.94</b>	<b>0.000</b>
16	0.93	0.094
35	0.93	0.094
49	0.93	0.094

75	0.93	0.117
13	0.92	0.281
75	0.91	0.435
10	0.91	0.468
10	0.91	0.468
15	0.91	0.468
21	0.91	0.468
15	0.90	0.655
<b>Std Dev</b>	<b>0.88</b>	<b>1.000</b>
13	0.88	1.029
21	0.86	1.496

403 Other(describe)		
Lab	%	Al2O3
77	1.20	0.000
77	1.20	0.000
<b>Median</b>	<b>1.20</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.03</b>	<b>1.000</b>
19	0.75	2.680

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
241	1.00	-0.383
35	0.98	0.000
<b>Median</b>	<b>0.98</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.94</b>	<b>1.000</b>
35	0.89	2.297

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
24	0.90	-1.675
61	0.90	-1.675
92	0.90	-1.675
69	0.89	-1.434
24	0.88	-1.117
92	0.87	-1.005
<b>Std Dev</b>	<b>0.87</b>	<b>-1.000</b>
10	0.85	-0.558
16	0.85	-0.558
16	0.85	-0.558
49	0.85	-0.558
10	0.83	-0.112
9	0.83	0.000
9	0.83	0.000

<b>Median</b>	<b>0.83</b>	<b>0.000</b>
21	0.82	0.112
78	0.82	0.223
21	0.81	0.447
61	0.81	0.447
266	0.80	0.558
15	0.79	0.782
15	0.79	0.782
<b>Std Dev</b>	<b>0.78</b>	<b>1.000</b>
13	0.78	1.005
78	0.75	1.787
13	0.74	1.898
75	0.73	2.164
75	0.71	2.629

503 Other(describe)		
Lab	%	MgO
77	0.82	-1.072
<b>Std Dev</b>	<b>0.82</b>	<b>-1.000</b>
77	0.80	0.000
<b>Median</b>	<b>0.80</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.78</b>	<b>1.000</b>
19	0.77	1.608

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
21	6.91	-1.679
10	6.76	-1.090
10	6.76	-1.070
<b>Std Dev</b>	<b>6.74</b>	<b>-1.000</b>
16	6.69	-0.815
16	6.69	-0.815
49	6.66	-0.697
21	6.61	-0.501
35	6.55	-0.265
24	6.51	-0.088
<b>Median</b>	<b>6.48</b>	<b>0.000</b>
13	6.46	0.088
24	6.42	0.265
9	6.40	0.344
15	6.35	0.540
35	6.34	0.560
9	6.31	0.677
15	6.27	0.854

13	6.23	0.992
<b>Std Dev</b>	<b>6.23</b>	<b>1.000</b>
69	1.85	18.191

602 Other(describe)		
Lab	%	Al
19	7.61	-1.340
<b>Std Dev</b>	<b>7.49</b>	<b>-1.000</b>

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
21	4.73	-2.809
21	4.68	-2.598
<b>Std Dev</b>	<b>4.34</b>	<b>-1.000</b>
61	4.19	-0.315
24	4.19	-0.294
77	4.19	-0.294
15	4.19	-0.294
15	4.17	-0.176
<b>Median</b>	<b>4.13</b>	<b>0.000</b>
49	4.09	0.176
61	4.06	0.310
9	3.98	0.694
<b>Std Dev</b>	<b>3.91</b>	<b>1.000</b>
9	3.88	1.164
13	3.78	1.634
13	3.69	2.057
69	3.34	3.703

652 Other(describe)		
Lab	%	CO2
35	8.16	-1.342
35	7.97	-1.252
<b>Std Dev</b>	<b>7.44</b>	<b>-1.000</b>
78	5.35	0.000
<b>Median</b>	<b>5.35</b>	<b>0.000</b>
78	5.17	0.088
266	4.28	0.511

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.I		
Lab	%	CaO

61	49.45	-6.033
92	47.76	-3.078
92	46.75	-1.312
21	46.65	-1.137
Std Dev	46.57	-1.000
21	46.50	-0.874
10	46.22	-0.376
16	46.18	-0.315
49	46.10	-0.175
9	46.05	-0.079
Median	46.00	0.000
9	45.96	0.079
78	45.87	0.227
16	45.87	0.227
10	45.85	0.262
61	45.60	0.700
Std Dev	45.43	1.000
75	45.33	1.168
75	45.10	1.572
69	43.62	4.162
78	39.15	11.979

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

704 Permanganate			
Lab	%	CaO	
241	46.16		0.000
Median	46.16		0.000

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	45.75		-0.607
35	45.63		0.000
Median	45.63		0.000
Std Dev	45.43		1.000
35	45.22		2.073

706 Other(describe)			
Lab	%	CaO	
24	46.52		-0.993
15	46.51		-0.970
15	46.49		-0.878

77	46.40	-0.462
77	46.30	0.000
Median	46.30	0.000
24	46.22	0.370
19	46.20	0.462
Std Dev	46.08	1.000
13	45.73	2.634
13	45.05	5.776

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	49.74		-7.446
21	46.88		-1.236
Std Dev	46.78		-1.000
21	46.77		-0.979
10	46.56		-0.528
16	46.50		-0.400
9	46.39		-0.155
49	46.38		-0.144
Median	46.32		0.000
9	46.25		0.144
16	46.21		0.239
10	46.18		0.308
Std Dev	45.86		1.000
61	45.85		1.022
75	45.62		1.519
75	45.35		2.105
69	43.91		5.252

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

714 Permanganate			
Lab	%	CaO	dB
241	46.37		0.000
Median	46.37		0.000

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

266	46.03	-0.815
35	45.84	0.000
Median	45.84	0.000
Std Dev	45.60	1.000
35	45.40	1.865

716 Other(describe)			
Lab	%	CaO	dB
15	46.84		-0.915
15	46.83		-0.874
24	46.78		-0.723
77	46.58		-0.086
Median	46.55		0.000
24	46.52		0.086
77	46.48		0.216
Std Dev	46.23		1.000
13	46.02		1.669
13	45.33		3.839

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	
69	4.21		-6.494
15	3.75		-1.701
15	3.75		-1.701
24	3.72		-1.392
Std Dev	3.68		-1.000
35	3.62		-0.412
24	3.61		-0.309
13	3.60		-0.206
35	3.59		-0.103
9	3.58		0.000
Median	3.58		0.000
49	3.55		0.309
21	3.55		0.361
21	3.52		0.670
9	3.49		0.928
13	3.49		0.928
Std Dev	3.48		1.000
266	3.48		1.031
75	3.22		3.711

75	3.19	4.020
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803 Other(describe)			
Lab	%	Fluorine, F	
77	3.62		-0.277
77	3.59		0.000
Median	3.59		0.000
Std Dev	3.48		1.000
19	3.33		2.403

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	26.0		-1.188
Std Dev	25.3		-1.000
78	24.9		-0.910
266	22.3		-0.253
77	22.0		-0.177
78	21.3		0.000
Median	21.3		0.000
69	20.9		0.114
Std Dev	17.3		1.000
35	17.0		1.087
35	17.0		1.087
61	7.6		3.476

913 Other(describe)			
Lab	ppm	Arsenic, As	
13	26.0		-1.340
Std Dev	25.6		-1.000
Median	24.5		0.000
Std Dev	23.4		1.000
77	23.0		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.I			
Lab	ppm	Cadmium, Cd	
78	4		-4.441

78	4	-4.211
77	4	-3.924
Std Dev	3	-1.000
24	3	-0.861
35	3	-0.096
35	3	-0.096
77	3	-0.096
Median	3	0.000
61	3	0.096
24	3	0.287
75	3	0.670
75	3	0.670
Std Dev	3	1.000
61	3	1.168
266	3	1.436
69	1	9.298

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	3	0.000
Median	3	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
Median	0	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	5	-1.387
78	5	-1.387
266	5	-1.293
Std Dev	5	-1.000
61	4	-0.682
77	4	-0.447
77	4	-0.447
Median	4	0.000
75	3	0.447
35	3	0.494
35	3	0.494
75	3	0.541
Std Dev	2	1.000
61	2	1.232
69	1	2.337

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	6	0.000
Median	6	0.000

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	0.000
Median	0.1	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	<0.09	0.000
Median	0.0	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	lolybdenum, Mo
Median	0	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	lolybdenum, Mo
61	21	-4.836
266	15	-1.571
Std Dev	14	-1.000
78	14	-0.524
77	13	-0.216
78	13	0.000
Median	13	0.000
77	12	0.400
61	11	0.816
Std Dev	11	1.000
24	9	2.464
69	5	4.574

953 Other(describe)		
Lab	ppm	lolybdenum, Mo
13	17	0.000
Median	17	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
Median	0	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
266	23	-2.687
77	19	-1.563
77	19	-1.563
Std Dev	17	-1.000
75	15	-0.329
61	14	-0.288
78	14	-0.192
75	14	-0.082
Median	13	0.000
35	13	0.082
78	13	0.082
35	11	0.631
Std Dev	10	1.000
24	9	1.152
24	9	1.165
69	8	1.408
61	8	1.453

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	26	-2.552
Std Dev	24	-1.000
19	22	0.000
Median	22	0.000
13	22	0.128

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
Median	0	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
266	18	-2.310
61	16	-1.502
Std Dev	15	-1.000
77	15	-0.753
35	14	-0.154
35	14	-0.154

Median	14	0.000
61	13	0.154
77	13	0.445
78	12	0.834
Std Dev	12	1.000
78	10	2.151
24	8	3.439

973 Other(describe)		
Lab	ppm	Lead, Pb
13	16	0.000
Median	16	0.000

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
69	23	-6.746
266	5	-1.111
Std Dev	5	-1.000
77	2	0.000
Median	2	0.000
61	1	0.229
61	0	0.654

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

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
Median	0	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
75	50	-3.704
61	41	-1.528
Std Dev	39	-1.000
75	37	-0.623
61	37	-0.550
266	36	-0.403

78	36	-0.183
Median	35	0.000
77	34	0.183
78	33	0.428
77	32	0.672
Std Dev	31	1.000
69	30	1.070
35	30	1.161
35	26	2.139

993 Other(describe)		
Lab	ppm	Zinc, Zn
19	41	-1.340
Std Dev	41	-1.000
Median	40	0.000
Std Dev	40	1.000
13	39	1.340