

AFPC Rock Check Program

Sample No. 2011-07

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	29	0.93	0.112
Other (describe)	102	4	0.88	0.096
Method Group 100		33	0.93	0.10
P₂O₅				
Gravimetric AFPC IX.3.B	201	2	28.37	0.041
ICP-induced coupled plasma AFPC IX.3.D	202	5	28.39	0.019
Photometric-AFPC IX.3.C	203	18	28.34	0.137
Automated -AOAC 978.01-15th	204	13	28.27	0.235
Other(describe)	205	4	28.33	0.940
Method Group 200		42	28.31	0.14
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.53	0.048
ICP-induced coupled plasma AFPC IX.3.D	212	5	28.66	0.010
Photometric-AFPC IX.3.C	213	11	28.62	0.089
Automated -AOAC 978.01-15th	214	13	28.55	0.239
Other(describe)	215	2	29.21	0.026
Method Group 210		33	28.60	0.10
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	4	0.96	0.199
ICP-induced coupled plasma-AFPC IX.6.C	302	35	1.13	0.160
Other(describe)	303	2	1.04	0.000
Method Group 300		41	1.13	0.15
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	1.50	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	34	1.43	0.105
Other(describe)	403	2	1.92	0.000
Method Group 400		37	1.43	0.10
MgO				
Atomic Absorption-AFPC IX.8.A	501	5	0.59	0.038
ICP-induced coupled plasma-AFPC IX.8.B	502	33	0.58	0.026
Other(describe)	503	3	0.59	0.181
Method Group 500		41	0.58	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	14.63	0.381
Other(describe)	602	5	15.80	0.746
Method Group 600		26	14.85	0.39
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	3.28	0.243
Other(describe)	652	6	4.15	1.705
Method Group 650		20	3.32	0.20
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	25	41.08	0.858
Ceric Sulfate volumetric-AFPC IX.12.B	703	1	41.72	0.000
Permanganate	704	4	40.82	1.343
EDTA Volumetric-AFPC IX.12.C	705	3	41.42	0.369
Other(describe)	706	8	41.25	1.439
Method Group 700		41	41.16	0.76
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	20	41.33	1.209
Ceric Sulfate volumetric-AFPC IX.12.B	713	1	41.98	0.000
Permanganate	714	2	41.02	0.115
EDTA Volumetric-AFPC IX.12.C	715	3	41.74	0.377
Other(describe)	716	6	41.88	3.028
Method Group 710		31	41.36	0.75

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	21	3.21	0.366
Other (describe)	803	5	3.19	0.090
Method Group 800		26	3.20	0.16
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	11	26.5	11.36
Other(describe)	913	3	19.0	7.35
Method Group 900		14	22.2	12.46
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	15	3	1.1
Other(describe)	923	3	5	2.6
Method Group 910		18	3	1.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	15	6	2.4
Other(describe)	933	1	7	0.0
Method Group 920		16	6	2.4
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	3		0.02
Other(describe)	943	1	0.1	0.00
Method Group 930		4	0.0	0.04
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	9	30	4.3
Other(describe)	953	2	29	0.4
Method Group 940		11	30	4.6
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	15	20	1.7
Other(describe)	963	3	28	6.7
Method Group 950		18	21	2.5
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	11	10	3.6
Other(describe)	973	1	13	0.0
Method Group 960		12	10	3.5
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	6	2	2.0
Other(describe)	983	2	32	20.9
Method Group 970		8	3	3.3
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	2	169	76
ICP-induced coupled plasma-AFPC IX.16.A	992	17	55	4
Other(describe)	993	2	55	8
Method Group 980		21	55	11

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
27	1.19	-2.278	
13	1.16	-2.055	
9	1.13	-1.742	
9	1.07	-1.251	
15	1.06	-1.161	
13	1.05	-1.072	
15	1.05	-1.072	
Std Dev	1.04	-1.000	
16	1.03	-0.893	
16	1.01	-0.715	
61	1.00	-0.625	
10	0.99	-0.491	
10	0.99	-0.491	
10	0.95	-0.134	
10	0.95	-0.134	
30	0.93	0.000	
Median	0.93	0.000	
75	0.93	0.000	
75	0.93	0.000	
266	0.90	0.268	
75	0.89	0.357	
75	0.89	0.357	
49	0.88	0.447	
49	0.88	0.447	
61	0.87	0.536	
35	0.87	0.536	
Std Dev	0.82	1.000	
35	0.77	1.429	
24	0.72	1.876	
24	0.69	2.144	
77	0.55	3.395	
77	0.43	4.467	

102 Other (describe)			
Lab	%	H ₂ O	
6	0.93	-0.494	
26	0.92	-0.338	
Median	0.88	0.000	
69	0.85	0.338	
Std Dev	0.79	1.000	
241	0.61	2.836	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
241	28.42	-1.340	
Std Dev	28.41	-1.000	
Median	28.37	0.000	
Std Dev	28.32	1.000	
77	28.31	1.340	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	28.66	-14.472	
Std Dev	28.41	-1.000	
10	28.39	0.000	
10	28.39	0.000	
Median	28.39	0.000	
Std Dev	28.37	1.000	
10	28.37	1.340	
10	28.37	1.340	

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
60	29.80	-10.684	
60	28.75	-3.026	
Std Dev	28.47	-1.000	
49	28.46	-0.912	
49	28.46	-0.912	
9	28.44	-0.729	
69	28.41	-0.547	
270	28.36	-0.182	
16	28.35	-0.109	
26	28.34	-0.036	
Median	28.34	0.000	
16	28.33	0.036	
9	28.32	0.146	
78	28.29	0.365	
30	28.26	0.547	
6	28.24	0.693	
92	28.20	0.984	
92	28.20	0.984	
Std Dev	28.20	1.000	
78	28.09	1.823	
27	27.69	4.704	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
24	31.88	-15.357	
24	31.88	-15.336	
Std Dev	28.51	-1.000	
77	28.31	-0.170	
75	28.29	-0.064	
75	28.29	-0.064	
13	28.28	-0.043	
15	28.27	0.000	
Median	28.27	0.000	
15	28.27	0.000	
13	28.23	0.170	
Std Dev	28.03	1.000	
61	27.97	1.276	
75	27.97	1.297	
75	27.97	1.297	
61	27.54	3.127	

205 Other(describe)			
Lab	%	P2O5	
35	28.99	-0.707	
35	28.95	-0.665	
Median	28.33	0.000	
19	27.70	0.665	
19	27.70	0.665	

211 Gravimetric AFPC IX.3.B				
Lab	%	P2O5		dB
241	28.59	-1.340		
Std Dev	28.58	-1.000		
Median	28.53	0.000		
Std Dev	28.48	1.000		
77	28.47	1.340		

212 ICP-induced coupled plasma AFPC IX.3.D				
Lab	%	P2O5		dB
266	28.92	-25.431		
Std Dev	28.67	-1.000		
10	28.66	0.000		
10	28.66	0.000		
Median	28.66	0.000		
Std Dev	28.65	1.000		
10	28.65	1.340		

10 28.65 1.340

213 Photometric-AFPC IX.3.C				
Lab	%	P2O5		dB
9	28.76	-1.538		
49	28.71	-1.024		
49	28.71	-1.024		
Std Dev	28.71	-1.000		
69	28.65	-0.362		
16	28.65	-0.267		
9	28.62	0.000		
Median	28.62	0.000		
16	28.62	0.025		
26	28.60	0.219		
Std Dev	28.53	1.000		
30	28.53	1.075		
6	28.51	1.301		
27	28.02	6.712		

214 Automated -AOAC 978.01-15th				
Lab	%	P2O5		dB
24	32.11	-14.873		
24	32.10	-14.854		
Std Dev	28.79	-1.000		
13	28.58	-0.124		
15	28.57	-0.094		
15	28.57	-0.081		
13	28.56	-0.045		
75	28.55	0.000		
75	28.55	0.000		
Median	28.55	0.000		
77	28.43	0.495		
Std Dev	28.31	1.000		
61	28.25	1.246		
75	28.22	1.399		
75	28.22	1.399		
61	27.78	3.237		

215 Other(describe)				
Lab	%	P2O5		dB
35	29.24	-1.340		
Std Dev	29.24	-1.000		
Median	29.21	0.000		
Std Dev	29.18	1.000		

35	29.17		1.340
301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
30	1.39		-2.152
Std Dev	1.16		-1.000
60	1.00		-0.189
Median	0.96		0.000
27	0.93		0.189
Std Dev	0.76		1.000
60	0.55		2.076
302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
77	1.32		-1.205
77	1.30		-1.080
266	1.30		-1.080
Std Dev	1.29		-1.000
241	1.27		-0.893
78	1.26		-0.800
78	1.25		-0.768
61	1.22		-0.582
61	1.20		-0.457
6	1.18		-0.332
92	1.15		-0.145
92	1.15		-0.145
270	1.15		-0.145
75	1.15		-0.127
75	1.15		-0.127
24	1.14		-0.083
24	1.13		-0.021
75	1.13		0.000
75	1.13		0.000
Median	1.13		0.000
15	1.13		0.011
15	1.13		0.011
69	1.09		0.235
9	1.03		0.603
9	1.03		0.603
35	0.97		0.977
Std Dev	0.97		1.000
13	0.95		1.101
13	0.95		1.101
49	0.95		1.101

49	0.95		1.101
16	0.94		1.164
10	0.93		1.226
10	0.93		1.226
10	0.93		1.226
10	0.93		1.226
35	0.93		1.226
16	0.92		1.288
303 Other(describe)			
Lab	%	Fe2O3	
19	1.04		0.000
19	1.04		0.000
Median	1.04		0.000
401 Atomic Absorption-AFPC IX.6.B			
Lab	%	Al2O3	
30	1.50		0.000
Median	1.50		0.000
402 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Al2O3	
266	1.81		-3.589
77	1.73		-2.830
78	1.73		-2.830
78	1.72		-2.687
77	1.71		-2.640
61	1.64		-1.976
61	1.56		-1.169
15	1.55		-1.122
15	1.55		-1.122
92	1.54		-1.027
Std Dev	1.54		-1.000
92	1.50		-0.648
6	1.44		-0.078
49	1.44		-0.078
49	1.44		-0.078
270	1.44		-0.078
75	1.43		-0.016
75	1.43		-0.016
Median	1.43		0.000
10	1.43		0.016
10	1.43		0.016
10	1.43		0.016

10	1.43		0.016
35	1.43		0.016
13	1.42		0.111
9	1.42		0.159
13	1.41		0.206
9	1.41		0.254
16	1.40		0.301
75	1.40		0.315
75	1.40		0.315
16	1.37		0.586
Std Dev	1.33		1.000
69	1.30		1.212
35	1.26		1.629
24	1.14		2.815
24	1.12		2.957
403 Other(describe)			
Lab	%	Al2O3	
19	1.92		0.000
19	1.92		0.000
Median	1.92		0.000
501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
60	0.66		-1.708
Std Dev	0.63		-1.000
35	0.62		-0.815
35	0.59		0.000
Median	0.59		0.000
60	0.57		0.525
Std Dev	0.55		1.000
30	0.52		1.839
502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
69	1.88		-49.590
92	0.70		-4.594
92	0.67		-3.446
13	0.62		-1.531
61	0.62		-1.531
Std Dev	0.61		-1.000
61	0.60		-0.766
241	0.59		-0.383
10	0.59		-0.191

10	0.59		-0.191
10	0.59		-0.191
10	0.59		-0.191
270	0.58		-0.038
6	0.58		0.000
9	0.58		0.000
13	0.58		0.000
15	0.58		0.000
15	0.58		0.000
16	0.58		0.000
49	0.58		0.000
49	0.58		0.000
Median	0.58		0.000
9	0.57		0.383
16	0.57		0.383
78	0.56		0.766
78	0.56		0.766
Std Dev	0.55		1.000
77	0.55		1.149
77	0.55		1.149
266	0.55		1.149
75	0.51		2.810
75	0.51		2.810
75	0.50		3.010
75	0.50		3.010
24	0.38		7.657
24	0.38		7.657
503 Other(describe)			
Lab	%	MgO	
27	1.08		-2.680
Std Dev	0.77		-1.000
19	0.59		0.000
19	0.59		0.000
Median	0.59		0.000
601 Insoluble-AFPC IX.4.A			
Lab	%	Al	
16	15.14		-1.340
15	15.13		-1.314
9	15.11		-1.261
15	15.10		-1.235
16	15.09		-1.209
30	15.09		-1.209

9	15.06	-1.117
Std Dev	15.01	-1.000
26	15.00	-0.959
35	14.98	-0.920
35	14.77	-0.368
49	14.63	0.000
49	14.63	0.000
Median	14.63	0.000
10	14.60	0.079
10	14.60	0.079
10	14.58	0.131
10	14.58	0.131
6	14.56	0.197
13	14.47	0.420
13	14.33	0.788
Std Dev	14.25	1.000
24	7.53	18.655
24	7.49	18.773

602 Other(describe)			
Lab	%	Al	
19	15.93	-0.174	
19	15.92	-0.161	

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
13	3.44	-0.660	
49	3.41	-0.536	
49	3.41	-0.536	
77	3.41	-0.536	
77	3.33	-0.206	
9	3.30	-0.082	
13	3.30	-0.082	
Median	3.28	0.000	
15	3.26	0.082	
9	3.25	0.124	
15	3.23	0.206	
Std Dev	3.04	1.000	
30	3.01	1.113	
61	2.72	2.309	
61	2.71	2.354	
69	2.23	4.350	

652 Other(describe)			
Lab	%	CO2	

35	6.54	-1.402
35	6.51	-1.384
Std Dev	5.86	-1.000
78	4.16	-0.006
Median	4.15	0.000
78	4.14	0.006
6	3.47	0.399
266	2.64	0.886

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	
61	50.30	-10.743	
270	42.34	-1.468	
78	41.97	-1.037	
Std Dev	41.94	-1.000	

92	41.87	-0.921
78	41.72	-0.740
77	41.62	-0.629
49	41.44	-0.419
49	41.44	-0.419
77	41.38	-0.350
9	41.33	-0.291
92	41.27	-0.221
6	41.16	-0.087
9	41.08	0.000
Median	41.08	0.000
10	40.97	0.134
10	40.97	0.134
10	40.90	0.216
10	40.90	0.216
69	40.49	0.693
16	40.29	0.921
16	40.25	0.967
Std Dev	40.22	1.000

61	37.69	3.956
75	37.65	3.993
75	37.65	3.993
75	37.53	4.132
75	37.53	4.132

703 Ceric Sulfate volumetric-AFPC IX.12.B			
Lab	%	CaO	
241	41.72	0.000	
Median	41.72	0.000	

704 Permanganate			
Lab	%	CaO	
60	47.40	-4.898	
Std Dev	42.16	-1.000	
60	40.85	-0.022	
Median	40.82	0.000	
30	40.79	0.022	
27	40.38	0.328	

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	41.65	-0.623	
35	41.42	0.000	
Median	41.42	0.000	
Std Dev	41.05	1.000	
35	40.66	2.057	

706 Other(describe)			
Lab	%	CaO	
24	46.67	-3.764	
24	46.64	-3.739	
Std Dev	42.69	-1.000	
13	41.58	-0.228	
15	41.26	-0.005	
Median	41.25	0.000	
15	41.25	0.005	
13	41.02	0.162	
19	40.60	0.453	
19	40.60	0.453	

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
61	50.81	-7.843		
Std Dev	42.54	-1.000		
77	41.85	-0.431		

49	41.81	-0.396
49	41.81	-0.396
9	41.80	-0.390
77	41.56	-0.190
6	41.54	-0.176
9	41.52	-0.162
10	41.36	-0.022
10	41.36	-0.022
Median	41.33	0.000
10	41.30	0.022
10	41.30	0.022
69	40.83	0.411
16	40.71	0.513
16	40.66	0.553
Std Dev	40.12	1.000
61	38.02	2.741
75	38.01	2.749
75	38.01	2.749
75	37.87	2.861
75	37.87	2.861

713 Ceric Sulfate volumetric-AFPC IX.12.B				
Lab	%	CaO		dB
241	41.98	0.000		
Median	41.98	0.000		

714 Permanganate				
Lab	%	CaO		dB
30	41.17	-1.340		
Std Dev	41.13	-1.000		
Median	41.02	0.000		
Std Dev	40.90	1.000		
27	40.86	1.340		

715 EDTA Volumetric-AFPC IX.12.C				
Lab	%	CaO		dB
266	42.03	-0.760		
35	41.74	0.000		
Median	41.74	0.000		
Std Dev	41.36	1.000		
35	41.02	1.920		

716 Other(describe)				
Lab	%	CaO		dB

24	46.99	-1.688
24	46.97	-1.681
Std Dev	44.91	-1.000
13	42.07	-0.061
Median	41.88	0.000
15	41.70	0.061
15	41.69	0.065
13	41.46	0.141

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	3.83	-1.696
35	3.77	-1.531
24	3.62	-1.108
Std Dev	3.58	-1.000
24	3.54	-0.889
9	3.33	-0.314
49	3.28	-0.191
49	3.28	-0.191
27	3.27	-0.150
9	3.26	-0.123
270	3.25	-0.109
13	3.21	0.000
Median	3.21	0.000
6	3.18	0.082
13	3.17	0.109
15	3.12	0.260
15	3.10	0.301
Std Dev	2.84	1.000
75	2.79	1.149
75	2.79	1.149
75	2.75	1.272
75	2.75	1.272
69	2.28	2.557
266	2.11	3.008

803	Other(describe)	
Lab	%	Fluorine, F
19	3.27	-0.893
19	3.27	-0.893

30	3.19	0.000
Median	3.19	0.000
77	3.15	0.447
Std Dev	3.10	1.000
77	3.05	1.563

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

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

61	40.2	-1.203
266	38.2	-1.030
Std Dev	37.9	-1.000
78	30.7	-0.370
61	29.8	-0.286
78	29.5	-0.264
270	26.5	0.000
Median	26.5	0.000
35	20.0	0.572
35	19.0	0.660
Std Dev	15.1	1.000
77	11.0	1.364
77	10.0	1.452
69	8.8	1.562

913	Other(describe)	
Lab	ppm	Arsenic, As

13	24.4	-0.735
19	19.0	0.000
Median	19.0	0.000
Std Dev	11.7	1.000
27	4.7	1.945

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

69	6	-3.368
61	5	-2.251
78	5	-2.037

78	5	-1.657
Std Dev	4	-1.000
61	3	-0.445
77	3	-0.136
77	3	-0.136
75	3	0.000
75	3	0.000
Median	3	0.000
266	3	0.092
75	3	0.289
75	3	0.289
35	2	0.814
35	2	0.814
Std Dev	2	1.000
270	0	2.575

923	Other(describe)	
Lab	ppm	Cadmium, Cd

27	9	-1.736
Std Dev	8	-1.000
19	5	0.000
Median	5	0.000
13	3	0.944

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

61	8	-0.985
78	8	-0.840
78	8	-0.630
69	7	-0.546
266	7	-0.504
270	7	-0.231
61	6	-0.181
77	6	0.000
77	6	0.000
Median	6	0.000
75	4	0.790
75	4	0.790
35	4	0.840
35	4	0.840

75	4	0.928
75	4	0.928

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	7	0.000
Median	7	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..	
Lab	ppm	Mercury, Hg

266	0.0	-2.680
Std Dev	0.0	-1.000
35	0.0	0.000
35	0.0	0.000
Median	0.0	0.000

943	Other(describe)	
Lab	ppm	Mercury, Hg
13	0.1	0.000
Median	0.1	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..	
Lab	ppm	lolybdenum, Mo

61	60	-7.026
266	35	-1.128
61	35	-1.105
270	35	-1.058
Std Dev	34	-1.000
78	30	0.000
78	30	0.000
Median	30	0.000
77	29	0.235
77	28	0.470
Std Dev	26	1.000
69	25	1.152

953 Other(describe)		
Lab	ppm	lolybdenum, Mo
13	29	-1.340
Std Dev	29	-1.000
Median	29	0.000
Std Dev	28	1.000
27	28	1.340

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
61	46	-14.888
266	28	-4.418
61	23	-1.529
270	22	-1.163
Std Dev	22	-1.000
69	21	-0.756
77	21	-0.581
77	21	-0.581
78	20	0.000
78	20	0.000
Median	20	0.000
75	20	0.110
75	20	0.110
75	19	0.651
75	19	0.651
Std Dev	18	1.000
35	16	2.325
35	14	3.488

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	30	-0.372
13	28	0.000
Median	28	0.000
Std Dev	21	1.000
27	12	2.308

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
61	20	-2.859
266	15	-1.508
270	14	-1.117
61	14	-1.004
Std Dev	14	-1.000
78	10	0.000
78	10	0.000
Median	10	0.000
69	10	0.052
77	9	0.279
77	9	0.279
35	8	0.559
35	8	0.559

973 Other(describe)		
Lab	ppm	Lead, Pb
13	13	0.000
Median	13	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	<0.1	0.000
266	9	-3.523
Std Dev	4	-1.000
270	3	-0.597
61	3	-0.448
Median	2	0.000
61	1	0.448
77	0	0.892
77	0	0.892

983 Other(describe)		
Lab	ppm	Selenium, Se
27	60	-1.340
Std Dev	53	-1.000
Median	32	0.000
Std Dev	11	1.000

13 4 1.340

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
60	271	-1.340
Std Dev	245	-1.000
Median	169	0.000
Std Dev	93	1.000
60	68	1.340

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	91	-8.962
24	85	-7.558
270	75	-5.006
61	61	-1.494
Std Dev	59	-1.000
61	57	-0.475
75	56	-0.149
75	56	-0.149
75	55	0.000
75	55	0.000
Median	55	0.000
78	54	0.482
78	53	0.609
266	53	0.609
77	52	0.865
Std Dev	51	1.000
77	50	1.375
69	46	2.473
35	40	3.927
35	39	4.183

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	67	-1.340
Std Dev	64	-1.000
Median	55	0.000
Std Dev	47	1.000
19	44	1.340