

AFPC Rock Check Program

Sample No. 2023-03

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	23	0.70	0.127
Other (describe)	102	8	0.75	0.057
Method Group 100		31	0.73	0.10
P₂O₅				
Gravimetric AFPC IX.3.B	201	8	27.89	0.084
ICP-induced coupled plasma AFPC IX.3.D	202	6	27.97	0.086
AOAC 962.02-15th	203	3	27.89	0.174
Photometric-AFPC IX.3.C	204	25	27.85	0.086
Automated -AOAC 978.01-15th	205	7	27.81	0.037
Method Group 200		49	27.87	0.09
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	27.93	0.039
ICP-induced coupled plasma AFPC IX.3.D	212	3	28.13	0.076
AOAC 962.02-15th	213	3	28.08	0.232
Photometric-AFPC IX.3.C	214	18	28.08	0.127
Automated -AOAC 978.01-15th	215	5	28.02	0.049
Method Group 210		31	28.06	0.11
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	2	1.18	0.026
ICP-induced coupled plasma-AFPC IX.6.C	302	34	1.18	0.077
Other(describe)	303	4	1.25	0.242
Method Group 300		40	1.18	0.08
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	1.36	0.144
ICP-induced coupled plasma-AFPC IX.7.C	402	35	1.29	0.086
Other(describe)	403	3	1.76	0.021
Method Group 400		40	1.30	0.15
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.61	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	36	0.48	0.034
Other(describe)	503	3	0.47	0.028
Method Group 500		40	0.48	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	18	16.74	0.224
Other(describe)	602	4	16.48	0.313
Method Group 600		22	16.66	0.19
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	16	3.66	0.304
Other(describe)	652	14	3.87	0.531
Method Group 650		30	3.73	0.37
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	3	29.11	8.405
ICP-induced coupled plasma-AFPC IX.12.D	702	22	41.17	0.530
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	40.39	0.000
EDTA Volumetric-AFPC IX.12.C	705	1	40.98	0.000
Other(describe)	706	13	41.22	0.381
Method Group 700		40	41.17	0.54
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	1	29.24	0.000
ICP-induced coupled plasma-AFPC IX.12.D	712	13	41.35	0.326
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	40.57	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	12	41.53	0.367
Method Group 710		27	41.35	0.46

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	32	3.13	0.104
Other(describe)	803	3	3.09	0.147
Method Group 800		35	3.12	0.11
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	17	6.1	1.87
Other(describe)	913	6	7.6	1.09
Method Group 900		23	7.0	1.81
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	5	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	21	5	1.1
Other(describe)	923	5	4	0.5
Method Group 910		27	5	1.2
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	15	29	12.0
Other(describe)	933	3	39	6.1
Method Group 920		18	29	12.9
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	1	110.0	0.00
Other(describe)	943	5	62.5	91.58
Method Group 930		6	86.3	77.55
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	15	17	1.0
Other(describe)	953	1	17	0.0
Method Group 940		16	17	0.9
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	39	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	18	41	6.7
Other(describe)	963	2	34	3.3
Method Group 950		21	40	6.0
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	18	11	3.6
Other(describe)	973	3	12	1.7
Method Group 960		21	12	3.0
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	1	1	0.0
Other(describe)	983	3	1	0.1
Method Group 970		4	1	0.2
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-induced coupled plasma-AFPC IX.16.A	992	21	55	5
Other(describe)	993	4	50	1
Method Group 980		25	54	5

101 Ground Sample AFPC IX.2.A		
Lab	%	H ₂ O
13	0.90	-1.573
Std Dev	0.83	-1.000
24	0.82	-0.904
21	0.80	-0.786
21	0.79	-0.708
24	0.78	-0.590
49	0.76	-0.472
10	0.74	-0.315
13	0.74	-0.315
16	0.73	-0.264
15	0.73	-0.197
15	0.73	-0.197
9	0.70	0.000
10	0.70	0.000
Median	0.70	0.000
26	0.68	0.157
26	0.68	0.157
9	0.67	0.236
16	0.66	0.321
Std Dev	0.57	1.000
266	0.50	1.573
113	0.46	1.926
27	0.45	2.005
77	0.34	2.831
77	0.22	3.774
55	0.15	4.364

102 Other (describe)		
Lab	%	H ₂ O
85	0.78	-0.439
86	0.78	-0.439
85	0.77	-0.264
86	0.77	-0.264
Median	0.75	0.000
84	0.74	0.264
84	0.72	0.527
Std Dev	0.69	1.000
35	0.61	2.548
35	0.60	2.636

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
28	28.07	-2.144
22	28.00	-1.310
Std Dev	27.97	-1.000
82	27.92	-0.298
241	27.90	-0.060
Median	27.89	0.000
77	27.89	0.060
241	27.84	0.655
Std Dev	27.81	1.000
113	27.79	1.191
113	27.75	1.668

202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
266	28.15	-2.156
Std Dev	28.05	-1.000
82	28.01	-0.524
10	28.00	-0.408
Median	27.97	0.000
10	27.93	0.408
10	27.88	0.990
Std Dev	27.88	1.000
10	27.82	1.690

203 AOAC 962.02-15th		
Lab	%	P2O5
9	27.91	-0.115
9	27.89	0.000
Median	27.89	0.000
Std Dev	27.72	1.000
55	27.45	2.565

204 Photometric-AFPC IX.3.C		
Lab	%	P2O5
15	28.11	-2.971
15	28.11	-2.971
51	27.99	-1.573
21	27.95	-1.165
24	27.95	-1.107
51	27.94	-1.049
Std Dev	27.94	-1.000
21	27.93	-0.874
49	27.91	-0.699
85	27.91	-0.641

205 Automated -AOAC 978.01-15th		
Lab	%	P2O5
81	28.06	-6.700
84	27.86	-1.206
Std Dev	27.85	-1.000
86	27.85	-0.938
22	27.81	0.000
Median	27.81	0.000
86	27.81	0.134
77	27.80	0.402
84	27.79	0.670

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	27.98		-1.340
Std Dev	27.97		-1.000
Median	27.93		0.000
Std Dev	27.89		1.000
113	27.88		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	28.29		-2.166
Std Dev	28.20		-1.000
10	28.13		0.000

213 AOAC 962.02-15th			
Lab	%	P2O5	dB
9	28.11		-0.123
9	28.08		0.000
Median	28.08		0.000
Std Dev	27.85		1.000
55	27.48		2.557

214 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
15	28.31		-1.824
15	28.31		-1.824
Std Dev	28.21		-1.000
21	28.18		-0.759
24	28.16		-0.663
13	28.15		-0.545
21	28.15		-0.537
49	28.12		-0.350
85	28.12		-0.344
24	28.10		-0.155
Median	28.08		0.000
35	28.06		0.155
85	28.06		0.156
16	28.03		0.352
16	28.02		0.465
27	27.96		0.908
26	27.96		0.942
Std Dev	27.95		1.000
26	27.91		1.340
13	27.90		1.445
35	27.87		1.676

215 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
86	28.06		-0.758
84	28.06		-0.704
86	28.02		0.000
Median	28.02		0.000
84	27.99		0.636
Std Dev	27.97		1.000
77	27.86		3.354

216 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
10	28.09	0.514

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
85	1.21	-1.340
Std Dev	1.20	-1.000
Median	1.18	0.000
Std Dev	1.15	1.000
22	1.14	1.340

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
35	1.48	-3.907
35	1.47	-3.778
266	1.29	-1.453
28	1.26	-1.066
78	1.26	-1.066
Std Dev	1.25	-1.000
49	1.25	-0.936
81	1.25	-0.936
78	1.25	-0.872
21	1.24	-0.743
10	1.23	-0.678
13	1.23	-0.613
85	1.23	-0.613
10	1.21	-0.420
21	1.21	-0.355
9	1.20	-0.226
13	1.18	-0.032
82	1.18	-0.032
Median	1.18	0.000
51	1.18	0.032
16	1.17	0.084
16	1.17	0.161
51	1.17	0.161
9	1.16	0.291
84	1.16	0.291
84	1.15	0.355
92	1.13	0.613
92	1.13	0.613
24	1.12	0.807
Std Dev	1.10	1.000
86	1.10	1.001
86	1.10	1.001
24	1.02	2.034

237	0.99	2.486
55	0.98	2.551
15	0.84	4.359
15	0.84	4.359

303 Other(describe)		
Lab	%	Fe2O3
77	1.37	-0.486
77	1.33	-0.341
Median	1.25	0.000
22	1.17	0.341
Std Dev	1.01	1.000
27	0.57	2.825

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
27	1.56	-1.340
Std Dev	1.51	-1.000
Median	1.36	0.000
Std Dev	1.22	1.000
22	1.17	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.90	-7.108
78	1.84	-6.409
78	1.82	-6.117
51	1.49	-2.272
51	1.46	-1.923
28	1.45	-1.818
35	1.44	-1.748
35	1.40	-1.223
Std Dev	1.38	-1.000
85	1.36	-0.816
84	1.35	-0.641
84	1.34	-0.583
86	1.34	-0.583
81	1.34	-0.583
86	1.33	-0.466
24	1.32	-0.291
85	1.31	-0.233
92	1.30	-0.058
92	1.29	0.000
Median	1.29	0.000

21	1.27	0.233
82	1.27	0.233
21	1.27	0.291
49	1.27	0.291
16	1.26	0.320
16	1.26	0.344
24	1.26	0.408
13	1.24	0.583
13	1.24	0.641
9	1.22	0.816
10	1.22	0.816
10	1.22	0.816
Std Dev	1.20	1.000
9	1.20	1.107
237	1.15	1.631
55	1.03	3.088
15	0.63	7.690
15	0.63	7.690

403 Other(describe)		
Lab	%	Al2O3
22	1.79	-1.218
Std Dev	1.78	-1.000
77	1.76	0.000
Median	1.76	0.000
Std Dev	1.74	1.000
77	1.73	1.462

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
22	0.61	0.000
Median	0.61	0.000

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
27	0.55	-2.233
35	0.52	-1.340
21	0.52	-1.191
35	0.52	-1.191
21	0.51	-1.042
28	0.51	-1.042
Std Dev	0.51	-1.000
13	0.50	-0.744
49	0.50	-0.744

92	0.50	-0.744
92	0.50	-0.744
13	0.50	-0.596
10	0.49	-0.447
81	0.49	-0.447
266	0.49	-0.447
9	0.48	-0.149
10	0.48	-0.149
24	0.48	-0.149
82	0.48	-0.149
Median	0.48	0.000
84	0.47	0.149
16	0.47	0.208
16	0.47	0.223
51	0.47	0.298
84	0.47	0.298
86	0.47	0.298
9	0.46	0.447
24	0.46	0.596
51	0.46	0.596
85	0.46	0.596
86	0.46	0.596
78	0.45	0.730
85	0.45	0.744
Std Dev	0.44	1.000
237	0.42	1.638
78	0.41	1.995
15	0.39	2.531
15	0.39	2.531
55	0.36	3.424

503 Other(describe)		
Lab	%	MgO
77	0.53	-2.144
Std Dev	0.50	-1.000
22	0.47	0.000
Median	0.47	0.000
77	0.46	0.536

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
16	17.33	-2.658
16	17.29	-2.479
22	17.14	-1.787

55	17.12	-1.697
Std Dev	16.96	-1.000
51	16.94	-0.916
13	16.86	-0.536
51	16.83	-0.402
24	16.80	-0.290
9	16.77	-0.156
Median	16.74	0.000
10	16.70	0.156
9	16.65	0.380
15	16.65	0.402
15	16.65	0.402
10	16.61	0.558
13	16.60	0.625
49	16.59	0.670
24	16.54	0.871
21	16.52	0.983

602 Other(describe)			
Lab	%	AI	
35	16.67	-0.600	
35	16.65	-0.536	
Median	16.48	0.000	
21	16.32	0.536	
Std Dev	16.17	1.000	
266	16.00	1.544	

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
9	4.54	-2.894	
9	4.54	-2.894	
Std Dev	3.96	-1.000	
55	3.90	-0.789	
21	3.78	-0.411	
21	3.78	-0.411	
85	3.74	-0.280	
85	3.67	-0.049	
16	3.67	-0.033	
Median	3.66	0.000	
24	3.65	0.033	
16	3.61	0.148	
24	3.54	0.395	
49	3.38	0.904	
Std Dev	3.35	1.000	

15	3.35	1.003
15	3.35	1.003
13	3.21	1.463
13	2.99	2.187

652 Other(describe)			
Lab	%	CO2	
35	6.12	-4.225	
35	5.94	-3.886	
78	4.51	-1.192	
78	4.44	-1.060	
Std Dev	4.40	-1.000	
82	4.29	-0.777	
81	4.08	-0.391	
51	3.94	-0.118	
Median	3.87	0.000	
51	3.81	0.118	
84	3.75	0.240	
86	3.72	0.287	
84	3.68	0.372	
86	3.65	0.419	
Std Dev	3.34	1.000	
22	3.30	1.088	
266	3.20	1.267	

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
22	51.49	-2.663	
Std Dev	37.51	-1.000	
113	29.11	0.000	
Median	29.11	0.000	
113	28.97	0.017	

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
78	43.94	-5.237	
28	43.81	-4.992	
78	43.56	-4.520	
21	41.78	-1.151	
Std Dev	41.69	-1.000	
21	41.62	-0.859	
51	41.49	-0.604	
82	41.34	-0.330	
16	41.34	-0.326	

51	41.30	-0.255
16	41.24	-0.137
13	41.19	-0.047
Median	41.17	0.000
266	41.14	0.047
49	41.07	0.189
10	41.03	0.255
13	40.90	0.500
9	40.84	0.613
9	40.71	0.868
10	40.64	0.991
Std Dev	40.64	1.000
55	40.63	1.019
92	40.45	1.349
92	40.43	1.397
237	39.88	2.425

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

704 Permanganate			
Lab	%	CaO	
27	40.39	0.000	
Median	40.39	0.000	

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
81	40.98	0.000	
Median	40.98	0.000	

706 Other(describe)			
Lab	%	CaO	
15	41.88	-1.721	
15	41.88	-1.721	
Std Dev	41.60	-1.000	
77	41.60	-0.998	
86	41.34	-0.315	
84	41.29	-0.171	
77	41.25	-0.079	
84	41.22	0.000	
Median	41.22	0.000	
86	41.21	0.026	
85	40.94	0.736	

Std Dev	40.84	1.000
22	40.83	1.025
85	40.66	1.471
24	39.71	3.981
24	39.66	4.112

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
113	29.24	0.000	
Median	29.24	0.000	

712 ICP-induced coupled plasma-AFPC IX.12.I			
Lab	%	CaO	dB
21	42.11	-2.351	
21	41.95	-1.858	
Std Dev	41.67	-1.000	
16	41.61	-0.814	
13	41.56	-0.668	
16	41.54	-0.601	
49	41.38	-0.101	
266	41.35	0.000	
Median	41.35	0.000	
10	41.32	0.084	
13	41.20	0.436	
9	41.13	0.672	
Std Dev	41.02	1.000	
9	40.98	1.128	
10	40.94	1.240	
55	40.68	2.036	

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

714 Permanganate			
Lab	%	CaO	dB
27	40.57	0.000	
Median	40.57	0.000	

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

716 Other(describe)			
Lab	%	CaO	dB
15	42.18		-1.779
15	42.18		-1.779
Std Dev	41.90		-1.000
77	41.74		-0.582
86	41.66		-0.355
84	41.58		-0.152
86	41.53		-0.009
Median	41.53		0.000
84	41.53		0.009
77	41.34		0.512
85	41.26		0.733
Std Dev	41.16		1.000
85	40.97		1.514
24	40.02		4.128
24	39.98		4.221

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	
9	3.33		-1.907
82	3.31		-1.763
9	3.29		-1.569
26	3.29		-1.569
26	3.29		-1.569
Std Dev	3.23		-1.000
21	3.23		-0.990
51	3.22		-0.845
13	3.21		-0.748
49	3.20		-0.700
16	3.20		-0.652
21	3.20		-0.652
16	3.17		-0.410
81	3.16		-0.314
28	3.16		-0.266
51	3.15		-0.217
55	3.14		-0.072
Median	3.13		0.000
22	3.12		0.072
113	3.10		0.266

113	3.10		0.266
35	3.10		0.266
86	3.10		0.314
86	3.09		0.362
84	3.08		0.459
84	3.07		0.555
35	3.04		0.845
Std Dev	3.02		1.000
27	3.02		1.038
15	2.96		1.618
15	2.96		1.618
24	2.93		1.956
13	2.91		2.101
24	2.90		2.197
266	2.89		2.294

803 Other(describe)			
Lab	%	Fluorine, F	
22	3.26		-1.153
Std Dev	3.23		-1.000
77	3.09		0.000
Median	3.09		0.000
Std Dev	2.94		1.000
77	2.86		1.527

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	
266	10.6		-2.399
84	8.5		-1.273
24	8.2		-1.085
24	8.1		-1.059
Std Dev	8.0		-1.000
84	7.5		-0.737
85	7.5		-0.737
85	7.5		-0.737
51	7.0		-0.469
16	6.1		0.000
Median	6.1		0.000
51	6.0		0.067
16	5.8		0.180

82	5.5		0.335
35	5.0		0.603
35	5.0		0.603
81	4.7		0.764
Std Dev	4.3		1.000
78	4.1		1.112
78	4.0		1.139

913 Other(describe)			
Lab	ppm	Arsenic, As	
113	9.1		-1.353
Std Dev	8.7		-1.000
28	8.4		-0.711
113	7.8		-0.115
Median	7.6		0.000
77	7.5		0.115
13	6.5		1.000
Std Dev	6.5		1.000
77	5.5		1.949

921 Atomic Absorption-AFPC IX.11.A			
Lab	ppm	Cadmium, Cd	
86	5		0.000
Median	5		0.000

922 ICP-induced coupled plasma-AFPC IX.11.B			
Lab	ppm	Cadmium, Cd	
78	6		-1.487
78	6		-1.380
51	6		-1.072
85	6		-1.072
Std Dev	6		-1.000
84	6		-0.625
84	6		-0.625
85	6		-0.625
51	5		-0.179
82	5		-0.179
86	5		-0.179
81	5		0.000
Median	5		0.000
16	5		0.098
16	5		0.099
266	4		0.473
35	4		0.715

35	4		0.715
Std Dev	4		1.000
55	3		1.608
24	2		2.099
24	2		2.412
77	2		2.501
77	1		3.395

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
22	7		-6.099
28	5		-1.146
Std Dev	5		-1.000
113	4		0.000
Median	4		0.000
13	4		0.194
Std Dev	3		1.000
113	3		1.118

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	57		-2.333
78	57		-2.333
266	46		-1.450
Std Dev	41		-1.000
24	37		-0.641
82	35		-0.492
24	33		-0.325
35	29		0.000
35	29		0.000
Median	29		0.000
28	24		0.387
16	23		0.531
16	21		0.697
81	19		0.850
77	18		0.916
Std Dev	17		1.000
77	17		1.041
55	10		1.583

933 Other(describe)			
Lab	ppm	Cobalt, Co	
113	39	-0.049	
113	39	0.000	
Median	39	0.000	
Std Dev	33	1.000	
13	23	2.631	

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	110.0	0.000	
Median		0.000	

943 Other(describe)			
Lab	ppm	Mercury, Hg	
84	129.5	-0.732	
84	125.0	-0.682	
24	62.5	0.000	
Median	62.5	0.000	
28	2.3	0.658	
13	0.0	0.682	

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

952 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Iolybdenum, Mo	
77	20	-2.821	
28	20	-2.555	
16	19	-1.269	
77	19	-1.254	
Std Dev	18	-1.000	
16	18	-0.381	
24	18	-0.313	
85	18	-0.209	
81	17	0.000	
Median	17	0.000	

82	17	0.313	
78	17	0.418	
78	17	0.418	
266	17	0.627	
85	17	0.836	
Std Dev	16	1.000	
55	16	1.358	
24	16	1.619	

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

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
113	39	0.000	
Median	39	0.000	

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	
78	46	-0.750	
28	45	-0.687	
16	45	-0.612	
78	45	-0.600	
16	44	-0.561	
84	42	-0.225	
85	42	-0.225	
24	42	-0.188	
84	41	0.000	
85	41	0.000	
Median	41	0.000	
24	40	0.045	
266	38	0.435	
77	37	0.525	
77	34	0.975	
Std Dev	34	1.000	
81	33	1.126	
35	33	1.201	
35	32	1.351	
55	24	2.476	

963 Other(describe)			
Lab	ppm	Nickel, Ni	

113	39	-1.340	
Std Dev	38	-1.000	
Median	34	0.000	
Std Dev	31	1.000	
13	30	1.340	

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	
81	17	-1.551	
Std Dev	15	-1.000	
16	14	-0.828	
16	14	-0.819	
266	14	-0.817	
51	13	-0.485	
78	12	-0.249	
51	12	-0.208	
78	12	-0.180	
82	12	-0.069	
Median	11	0.000	
55	11	0.069	
35	10	0.346	
35	10	0.485	
77	9	0.623	
Std Dev	8	1.000	
24	8	1.011	
24	7	1.247	
77	7	1.316	
85	6	1.593	
85	6	1.593	

973 Other(describe)			
Lab	ppm	Lead, Pb	
113	14	-1.009	
Std Dev	14	-1.000	
113	12	0.000	
Median	12	0.000	
Std Dev	11	1.000	
13	9	1.671	

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	1	0.000	
Median	1	0.000	

983 Other(describe)			
Lab	ppm	Selenium, Se	
77	<0.1	0.000	
13	1	-1.692	
Std Dev	1	-1.000	
113	1	0.000	
Median	1	0.000	
113	0	0.988	

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	
24	76	-4.789	
24	67	-2.724	
28	60	-1.218	
Std Dev	59	-1.000	
84	59	-0.857	
78	58	-0.747	
85	58	-0.747	
86	58	-0.637	
77	57	-0.527	
86	57	-0.527	
84	56	-0.308	
82	55	0.000	
Median	55	0.000	
78	55	0.022	
77	54	0.132	
85	54	0.132	
16	52	0.529	
16	52	0.593	
Std Dev	50	1.000	
35	49	1.230	