AFPC Rock Check Program

Sample No. 2022-03

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	24	0.71	0.127
Other (describe)	102	6	0.81	0.118
Method Group 100		30	0.73	0.13
P_2O_5				
Gravimetric AFPC IX.3.B	201	8	30.65	0.207
ICP-inducted coupled plasma AFPC IX.3.D	202	3	30.46	0.418
AOAC 962.02-15th	203	4	30.66	0.063
Photometric-AFPC IX.3.C	204	23	30.60	0.072
Automated -AOAC 978.01-15th	205	8	30.58	0.176
Method Group 200		46	30.60	0.13
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	5	30.79	0.132
ICP-inducted coupled plasma AFPC IX.3.D	212	2	31.16	0.354
AOAC 962.02-15th	213	4	30.88	0.104
Photometric-AFPC IX.3.C	214	14	30.81	0.157
Automated -AOAC 978.01-15th	215	5	30.75	0.104
Method Group 210		30	30.81	0.17
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	2	1.04	0.004
ICP-inducted coupled plasma-AFPC IX.6.C	302	30	1.05	0.048
Other(describe)	303	5	1.12	0.097
Method Group 300		37	1.06	0.06
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	2	1.19	0.030
ICP-inducted coupled plasma-AFPC IX.7.C	402	30	1.20	0.076
Other(describe)	403	5	1.51	0.205
Method Group 400		37	1.23	0.10
MgO				
Atomic Absorption-AFPC IX.8.A	501	2	0.44	0.021
ICP-inducted coupled plasma-AFPC IX.8.B	502	30	0.46	0.021
Other(describe)	503	5	0.45	0.015
Method Group 500		37	0.46	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	9.87	0.149
Other(describe)	602	2	9.81	0.050
Method Group 600		23	9.87	0.15
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	3.55	0.220
Other(describe)	652	14	3.57	0.102
Method Group 650		29	3.56	0.18
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	2	45.27	0.119
ICP-inducted coupled plasma-AFPC IX.12.D	702	19	45.12	0.588
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	45.10	0.000
EDTA Volumetric-AFPC IX.12.C	705	3	45.10	0.101
Other(describe)	706	13	45.18	0.500
Method Group 700		38	45.11	0.53
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	1	45.32	0.000
ICP-inducted coupled plasma-AFPC IX.12.D	712	12	45.56	0.362
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	45.40	0.000
EDTA Volumetric-AFPC IX.12.C	715	1	45.67	0.000
Other(describe)	716	11	45.34	0.563
Method Group 710		25	45.45	0.36

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	26	3.52	0.095
Oher(describe)	803	4	3.49	0.059
Method Group 800		30	3.52	0.09
Arsenic, As				
Atomic Absorption	911	1	11.0	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	16	9.0	3.12
Other(describe)	913	2	10.8	0.84
Method Group 900		19	9.5	3.29
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	3	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	19	3	0.7
Other(describe)	923	2	4	0.8
Method Group 910		22	3	0.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	18	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	13	16	6.8
Other(describe)	933	2	15	1.4
Method Group 920		16	16	4.3
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	2	0.1	0.00
ICP-inducted coupled plasma-AFPC IX.16.A	942	7	0.1	17.19
Other(describe)	943	2	0.1	0.01
Method Group 930		11	0.1	0.07
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	21	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	16	21	3.0
Other(describe)	953	1	22	0.0
Method Group 940		18	21	2.5
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	2	20	0.9
ICP-inducted coupled plasma-AFPC IX.16.A	962	17	23	1.1
Other(describe)	963	1	22	0.0
Method Group 950		20	23	1.9
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	26	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	18	24	2.6
Other(describe)	973	1	25	0.0
Method Group 960		20	25	2.3
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	4	4	1.5
Other(describe)	983	2	1	0.0
Method Group 970		6	2	2.1
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	40	0
ICP-inducted coupled plasma-AFPC IX.16.A	992	17	38	5
Other(describe)	993	2	36	1
Method Group 980		20	38	5

101	Ground Sample AFPC IX.2.A	
Lab	% H_2O	
13	0.92	-1.636
Std Dev	0.83	-1.000
13	0.81	-0.808
9	0.80	-0.729
49	0.79	-0.650
9	0.78	-0.571
21	0.78	-0.532
30	0.76	-0.374
10	0.75	-0.296
21	0.75	-0.296
10	0.74	-0.256
24	0.74	-0.256
24	0.72	-0.059
Median	0.71	0.000
266	0.70	0.059
26	0.67	0.296
26	0.67	0.296
55	0.66	0.374
15	0.60	0.847
15	0.60	0.847
Std Dev	0.58	1.000
77	0.56	1.163
16	0.49	1.691
16	0.49	1.754
113	0.47	1.911
270	0.36	2.739
77	0.34	2.897

102	Other (describe)	
Lab	% H_2O	
85	0.90	-0.723
85	0.89	-0.681
84	0.84	-0.255
Median	0.81	0.000
84	0.78	0.255
82	0.70	0.936
Std Dev	0.69	1.000
275	0.49	2.723

201	Gravimetric AFPC IX.3.B	
Lab	% P2O5	
56	31.16	-2.475
55	30.89	-1.171
Std Dev	30.85	-1.000
22	30.80	-0.736
82	30.65	-0.012
Median	30.65	0.000
113	30.65	0.012
77	30.59	0.302
Std Dev	30.44	1.000
10	30.43	1.074
241	30.34	1.485

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	% P2O5	
266	31.41	-2.285
Std Dev	30.87	-1.000
10	30.46	0.000
Median	30.46	0.000
82	30.29	0.395

203	AOAC 962.02-15th	
Lab	% P2O5	
49	30.81	-2.365
Std Dev	30.72	-1.000
9	30.68	-0.315
Median	30.66	0.000
270	30.64	0.315
Std Dev	30.60	1.000
9	30.59	1.104

204	Photometric-AFPC IX.3.C	
Lab	% P2O5	
10	30.95	-4.835
24	30.88	-3.799
13	30.79	-2.556
30	30.74	-1.934
21	30.68	-1.036
Std Dev	30.67	-1.000
10	30.67	-0.898
13	30.66	-0.760
15	30.62	-0.207
15	30.62	-0.207
78	30.61	-0.138
16	30.60	-0.062
24	30.60	0.000
81	30.60	0.000
Median	30.60	0.000
51	30.59	0.138
21	30.58	0.276
92	30.58	0.345
92	30.57	0.414
16	30.56	0.608
Std Dev	30.53	1.000
51	30.51	1.243
275	30.48	1.727
78	30.47	1.796
26	30.12	6.631
26	30.07	7.322

205	Automated -AOAC 978.01-15th	
Lab	% P2O5	
56	31.00	-2.411
22	30.78	-1.163
Std Dev	30.75	-1.000
77	30.71	-0.737
81	30.59	-0.085
Median	30.58	0.000
84	30.56	0.085
84	30.52	0.340
85	30.41	0.964
85	30.41	0.964

211	Gravimetric AFPC IX.3.B	
Lab	% P2O5	dB
55	31.10	-2.328
Std Dev	30.92	-1.000
82	30.87	-0.591
113	30.79	0.000
Median	30.79	0.000
77	30.69	0.749
Std Dev	30.66	1.000
10	30.65	1.034

212	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	% P2O5	dB
266	31.63	-1.340
Std Dev	31.51	-1.000
Median	31.16	0.000
Std Dev	30.80	1.000
10	30.68	1.340

213	AOAC 962.02-15th		
Lab	%	P2O5	dB
49	31.06		-1.694
Std Dev	30.98		-1.000
9	30.92		-0.406
Median	30.88		0.000
9	30.84		0.406
Std Dev	30.77		1.000
270	30.75		1.232

214	Photometric-AFPC IX.3.C		
Lab	%	P2O5	dB
24	31.10		-1.830
13	31.04		-1.443
30	30.97		-1.045
Std Dev	30.97		-1.000
13	30.94		-0.818
21	30.91		-0.609
24	30.83		-0.119
21	30.82		-0.061
Median	30.81		0.000
15	30.80		0.061
15	30.80		0.061
16	30.75		0.354
16	30.71		0.648
Std Dev	30.65		1.000
275	30.63		1.171
26	30.32		3.089
26	30.27		3.408

215	Automated -AOAC 978.01-15th		
Lab	%	P2O5	dB
77	30.88		-1.184
Std Dev	30.86		-1.000
84	30.82		-0.616
84	30.75		0.000
Median	30.75		0.000
85	30.68		0.724
85	30.68		0.739

301	Atomic Absorption-AFPC IX.6.B	
Lab	% Fe2O3	

30	1.04	-1.340
Std Dev	1.04	-1.000
Median	1.04	0.000
Std Dev	1.03	1.000
55	1.03	1.340

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
78	1.75	-14.661
78	1.73	-14.241
266	1.22	-3.521
85	1.12	-1.419
85	1.12	-1.314
Std Dev	1.10	-1.000
21	1.10	-0.998
15	1.09	-0.788
15	1.09	-0.788
49	1.09	-0.683
82	1.07	-0.368
13	1.07	-0.263
16	1.07	-0.263
21	1.07	-0.263
16	1.06	-0.231
10	1.06	-0.158
Median	1.05	0.000
13	1.05	0.158
84	1.04	0.263
51	1.04	0.368
81	1.04	0.368
10	1.03	0.473
81	1.03	0.473
9	1.03	0.578
9	1.03	0.578
84	1.03	0.578
51	1.01	0.998
92	1.01	0.998
Std Dev	1.00	1.000
270	1.00	1.104
92	0.99	1.314
24	0.93	2.680
24	0.91	2.995

303	Other(describe)	
Lab	%	Fe2O3

77	1.27	-1.495
77	1.25	-1.340
Std Dev	1.22	-1.000
22	1.12	0.000
22	1.12	0.000
Median	1.12	0.000
Std Dev	1.02	1.000
56	0.94	1.855

401	Atomic Absorption-AFPC IX.6.B	
Lab	%	Al2O3
30	1.23	-1.340
Std Dev	1.22	-1.000
Median	1.19	0.000
Std Dev	1.16	1.000
55	1.15	1.340

402	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Al2O3
266	1.85	-8.636
78	1.75	-7.312
78	1.73	-7.047
270	1.42	-2.945
84	1.31	-1.489
51	1.30	-1.290
85	1.30	-1.290
Std Dev	1.27	-1.000
85	1.27	-0.893
51	1.25	-0.695
92	1.24	-0.562
21	1.24	-0.496
84	1.23	-0.430
92	1.23	-0.430
24	1.23	-0.364
21	1.21	-0.099
Median	1.20	0.000
82	1.19	0.099
10	1.18	0.298
13	1.17	0.430
16	1.16	0.437
15	1.16	0.496
15	1.16	0.496
24	1.16	0.496
81	1.16	0.496

9	1.16	0.562
10	1.16	0.562
81	1.16	0.562
13	1.14	0.761
9	1.14	0.827
49	1.13	0.893
Std Dev	1.12	1.000
16	1.11	1.191

403	Other(describe)	
Lab	%	Al2O3
77	1.81	-1.462
77	1.77	-1.243
Std Dev	1.72	-1.000
56	1.51	0.000
Median	1.51	0.000
22	1.49	0.097
Std Dev	1.30	1.000
22	1.20	1.511

501	Atomic Absorption-AFPC IX.8.A	
Lab	%	MgO
30	0.47	-1.340
Std Dev	0.46	-1.000
Median	0.44	0.000
Std Dev	0.42	1.000
55	0.41	1.340

502	ICP-inducted coupled plasma-AFPC IX.8.B	
Lab	%	MgO
13	0.50	-2.097
21	0.50	-1.864
13	0.49	-1.631
21	0.49	-1.398
85	0.48	-1.165
Std Dev	0.48	-1.000
270	0.48	-0.932
15	0.47	-0.699
15	0.47	-0.699
49	0.47	-0.699
85	0.47	-0.699
10	0.47	-0.466
266	0.46	-0.233
10	0.46	0.000

51	0.46	0.000
81	0.46	0.000
82	0.46	0.000
92	0.46	0.000
Median	0.46	0.000
9	0.45	0.233
81	0.45	0.233
92	0.45	0.233
9	0.45	0.466
84	0.45	0.466
24	0.44	0.699
78	0.44	0.699
78	0.44	0.932
84	0.44	0.932
Std Dev	0.43	1.000
16	0.43	1.151
24	0.43	1.165
16	0.43	1.312
51	0.42	1.864

503	Other(describe)	
Lab	%	MgO
77	0.52	-4.355
22	0.47	-1.005
Std Dev	0.46	-1.000
22	0.45	0.000
Median	0.45	0.000
77	0.45	0.335
Std Dev	0.44	1.000
56	0.43	1.340

601	Insoluble-AFPC IX.4.A	
Lab	%	AI
10	10.29	-2.814
13	10.20	-2.178
30	10.14	-1.776
55	10.08	-1.407
Std Dev	10.02	-1.000
10	10.01	-0.904
24	10.00	-0.838
16	9.99	-0.804
26	9.97	-0.670
26	9.95	-0.536
22	9.91	-0.268

15	9.87	0.000
15	9.87	0.000
Median	9.87	0.000
16	9.86	0.100
9	9.85	0.134
51	9.81	0.435
24	9.80	0.502
13	9.79	0.536
51	9.73	0.938
9	9.73	0.971
Std Dev	9.72	1.000
49	9.58	1.943
21	9.53	2.311

602 Other(describe)

Lab	%	Al
266	9.88	-1.340
Std Dev	9.86	-1.000
Median	9.81	0.000
Std Dev	9.76	1.000
21	9.75	1.340

651 Gasometric-AFPC IX.13.B

Lab	%	CO2
21	3.77	-1.002
21	3.77	-1.002
Std Dev	3.77	-1.000
24	3.76	-0.934
24	3.69	-0.638
16	3.58	-0.130
9	3.58	-0.114
9	3.58	-0.114
16	3.55	0.000
Median	3.55	0.000
49	3.43	0.569
30	3.41	0.660
13	3.37	0.842
Std Dev	3.33	1.000
13	3.32	1.070
15	3.29	1.207
15	3.29	1.207
77	3.27	1.275

652 Other(describe)

Lab	%	CO2
78	4.40	-8.212
51	3.98	-4.032
51	3.91	-3.344
Std Dev	3.67	-1.000
55	3.64	-0.738
85	3.62	-0.492
84	3.58	-0.148
56	3.57	-0.049
Median	3.57	0.000
84	3.56	0.049
85	3.55	0.148
22	3.52	0.443
81	3.49	0.738
81	3.48	0.836
Std Dev	3.46	1.000
82	3.34	2.213
266	2.55	9.982

701 Gravimetric sulfate-AFPC IX.12.A

Lab	%	CaO
22	45.43	-1.340
Std Dev	45.38	-1.000
Median	45.27	0.000
Std Dev	45.15	1.000
113	45.11	1.340

702 ICP-inducted coupled plasma-AFPC IX.12.D

Lab	%	CaO
78	46.56	-2.459
Std Dev	45.70	-1.000
9	45.64	-0.893
9	45.62	-0.859
16	45.61	-0.842
16	45.45	-0.570
51	45.41	-0.502
10	45.33	-0.357
13	45.26	-0.238
51	45.17	-0.085
10	45.12	0.000
Median	45.12	0.000
49	45.07	0.077
13	44.96	0.264
78	44.76	0.604
92	44.67	0.757
92	44.62	0.851
21	44.59	0.893
Std Dev	44.53	1.000
82	44.48	1.089
21	44.33	1.344
270	44.30	1.395

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO
Median	0.00	0.000

704 Permanganate

Lab	%	CaO
55	45.10	0.000
Median	45.10	0.000

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO
266	45.35	-2.481
Std Dev	45.20	-1.000
81	45.10	0.000
Median	45.10	0.000
81	45.08	0.199

706 Other(describe)

Lab	%	CaO
56	46.01	-1.670
77	45.98	-1.600
77	45.68	-1.010
Std Dev	45.68	-1.000
22	45.53	-0.710
15	45.52	-0.680
15	45.52	-0.680
24	45.18	0.000
Median	45.18	0.000
24	45.01	0.340
84	44.93	0.490
84	44.86	0.630
Std Dev	44.68	1.000
82	44.55	1.260
85	44.16	2.030
85	44.16	2.030

711 Gravimetric sulfate-AFPC IX.12.A

Lab	%	CaO	dB
113	45.32		0.000
Median	45.32		0.000

712 ICP-inducted coupled plasma-AFPC IX.12.

Lab	%	CaO	dB
9	46.00		-1.218
9	45.99		-1.188
Std Dev	45.92		-1.000
16	45.83		-0.758
16	45.68		-0.323
13	45.67		-0.317
10	45.66		-0.289
Median	45.56		0.000
10	45.45		0.289
49	45.43		0.358
13	45.33		0.639
Std Dev	45.20		1.000
21	44.94		1.715
21	44.66		2.491
270	44.46		3.051

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
55	45.40		0.000
Median	45.40		0.000

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
266	45.67		0.000
Median	45.67		0.000

716 Other(describe)

Lab	%	CaO	dB
77	46.23		-1.588
Std Dev	45.90		-1.000
77	45.84		-0.880
15	45.79		-0.798

15	45.79	-0.798
24	45.50	-0.284
24	45.34	0.000
Median	45.34	0.000
84	45.31	0.053
84	45.21	0.227
82	44.86	0.856
Std Dev	44.78	1.000
85	44.56	1.389
85	44.56	1.393

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
81	3.63	-1.156
81	3.62	-1.104
Std Dev	3.61	-1.000
21	3.61	-0.998
16	3.61	-0.946
16	3.60	-0.841
49	3.58	-0.631
51	3.58	-0.631
24	3.57	-0.525
55	3.55	-0.368
9	3.55	-0.315
9	3.53	-0.105
21	3.52	0.000
24	3.52	0.000
51	3.52	0.000
Median	3.52	0.000
30	3.51	0.105
82	3.50	0.158
26	3.48	0.368
13	3.46	0.578
266	3.46	0.578
26	3.44	0.788
13	3.43	0.946
Std Dev	3.42	1.000
22	3.42	1.051
270	3.40	1.209
15	3.19	3.442
15	3.19	3.442
113	3.01	5.307

803	Oher(describe)	
Lab	%	Fluorine, F
77	3.54	-0.808
77	3.53	-0.553
Median	3.49	0.000
22	3.46	0.553
Std Dev	3.43	1.000
275	3.42	1.234

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	11.0	0.000
Median	11.0	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
84	<1	0.000
84	<1	0.000
24	13.1	-1.300
24	12.7	-1.171
Std Dev	12.1	-1.000
22	11.7	-0.871
270	11.3	-0.738
78	9.9	-0.289
82	9.6	-0.193
51	9.5	-0.160
78	9.5	-0.160
Median	9.0	0.000
51	8.5	0.160
16	7.6	0.448
16	7.4	0.522
81	6.1	0.931
81	6.0	0.963
Std Dev	5.9	1.000
266	4.9	1.316
85	2.0	2.247
85		2.247

913	Other(describe)	
Lab	ppm	Arsenic, As
77	11.9	-1.340
Std Dev	11.6	-1.000
Median	10.8	0.000
Std Dev	9.9	1.000
13	9.6	1.340

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	3	0.000
Median	3	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
78	4	-2.067
77	4	-2.045
78	4	-1.950
Std Dev	4	-1.000
16	4	-0.840
85	4	-0.730
16	3	-0.635
85	3	-0.584
82	3	-0.073
24	3	0.000
51	3	0.000
Median	3	0.000
270	3	0.073
266	3	0.424
81	3	0.511
81	3	0.584
77	3	0.730
84	3	0.730
Std Dev	2	1.000
24	2	1.022
51	2	1.460
84	2	1.899

923	Other(describe)	
Lab	ppm	Cadmium, Cd
22	5	-1.340
Std Dev	4	-1.000
Median	4	0.000
Std Dev	3	1.000
13	3	1.340

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	18	0.000
Median	18	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.	
Lab	ppm	Cobalt, Co
78	28	-1.774
78	27	-1.627
266	25	-1.303
Std Dev	23	-1.000
270	21	-0.744
24	18	-0.302
24	17	-0.191
16	16	0.000
Median	16	0.000
16	15	0.088
82	13	0.383
77	12	0.596
Std Dev	9	1.000
77	9	1.097
81	5	1.612
81	5	1.627

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	17	-1.340
Std Dev	17	-1.000
Median	15	0.000
Std Dev	14	1.000
22	13	1.340

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
113	<0.1	0.000
81	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.1	1.000
81	0.1	1.340

942	ICP-inducted coupled plasma-AFPC IX.16.	
Lab	ppm	Mercury, Hg
24	46.0	-2.672

24	46.0	-2.672
Std Dev	17.3	-1.000
266	0.1	-0.001
270	0.1	0.000
Median	0.1	0.000
16	0.0	0.004
16	0.0	0.004
22	0.0	0.004

943	Other(describe)	
Lab	ppm	Mercury, Hg
82	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.1	1.000
13	0.1	1.340

951	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	lolybdenum, Mo
55	21	0.000
Median	21	0.000

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	lolybdenum, Mo
85	29	-2.511
85	28	-2.344
77	27	-1.841
77	25	-1.339
Std Dev	24	-1.000
22	23	-0.676
16	23	-0.670
16	23	-0.502
24	21	-0.033
Median	21	0.000
266	21	0.033
82	21	0.100
78	20	0.418
78	20	0.485
270	19	0.536
24	19	0.603
Std Dev	18	1.000
81	10	3.529
81	10	3.549

953	Other(describe)	
Lab	ppm	lolybdenum, Mo
13	22	0.000
Median	22	0.000

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	21	-1.340
Std Dev	21	-1.000
Median	20	0.000
Std Dev	19	1.000
77	19	1.340

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
85	28	-4.065
85	27	-2.725
16	26	-2.457
16	25	-1.608
Std Dev	25	-1.000
78	24	-0.491
81	24	-0.134
81	24	-0.089
84	24	-0.045
82	23	0.000
Median	23	0.000
266	23	0.313
78	23	0.402
24	23	0.759
84	23	0.849
Std Dev	22	1.000
24	21	2.010
77	21	2.635
270	21	2.635
22	19	3.743

963	Other(describe)	
Lab	ppm	Nickel, Ni
13	22	0.000
Median	22	0.000

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
55	26	0.000
Median	26	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
81	43	-7.351
81	43	-7.176
266	29	-1.952
22	27	-1.187
270	27	-1.039
Std Dev	27	-1.000
16	26	-0.728
16	26	-0.612
77	26	-0.476
51	25	-0.087
Median	24	0.000
82	24	0.087
77	24	0.107
51	24	0.301
78	23	0.379
78	23	0.379
Std Dev	22	1.000
24	11	5.137
24	10	5.506
84	7	6.904
84	6	7.098

973	Other(describe)	
Lab	ppm	Lead, Pb
13	25	0.000
Median	25	0.000

981	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Selenium, Se
Median	0	0.000

982	ICP-inducted ed coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
266	5	-0.876
16	4	-0.332
Median	4	0.000
16	3	0.332
Std Dev	2	1.000
22	0	2.492

983	Other(describe)	
Lab	ppm	Selenium, Se
77	1	-1.340
Std Dev	1	-1.000
Median	1	0.000
Std Dev	1	1.000
13	1	1.340

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
55	40	0.000
Median	40	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.	
Lab	ppm	Zinc, Zn
24	63	-5.236
24	53	-3.175
85	44	-1.227
Std Dev	43	-1.000
85	43	-0.917
77	41	-0.505
78	39	-0.196
78	39	-0.196
266	38	-0.072
82	38	0.000
Median	38	0.000
77	37	0.216
84	36	0.423
16	35	0.660
84	34	0.835
16	34	0.886
Std Dev	33	1.000
270	31	1.556
81	27	2.185
81	27	2.200

993	Other(describe)	
Lab	ppm	Zinc, Zn
13	38	-1.340
Std Dev	37	-1.000
Median	36	0.000
Std Dev	34	1.000
22	34	1.340