

AFPC Rock Check Program

Sample No. 2017-09

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	0.61	0.120
Other (describe)	102	1	0.56	
Method Group 100		29	0.59	0.12
P₂O₅				
Gravimetric AFPC IX.3.B	201	4	28.38	0.076
ICP-induced coupled plasma AFPC IX.3.D	202	3	28.42	0.078
Photometric-AFPC IX.3.C	203	18	28.51	0.066
Automated -AOAC 978.01-15th	204	10	28.49	0.035
Other(describe)	205	5	28.53	0.142
Method Group 200		40	28.49	0.10
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.36	0.026
ICP-induced coupled plasma AFPC IX.3.D	212	3	28.62	0.068
Photometric-AFPC IX.3.C	213	11	28.72	0.025
Automated -AOAC 978.01-15th	214	10	28.65	0.102
Other(describe)	215	3	28.85	0.063
Method Group 210		29	28.69	0.08
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	1.15	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	31	1.26	0.268
Other(describe)	303	7	1.51	0.053
Method Group 300		39	1.28	0.27
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	1.13	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	31	1.08	0.090
Other(describe)	403	7	1.27	0.121
Method Group 400		39	1.10	0.09
MgO				
Atomic Absorption-AFPC IX.8.A	501	3	0.68	0.041
ICP-induced coupled plasma-AFPC IX.8.B	502	29	0.61	0.030
Other(describe)	503	7	0.62	0.037
Method Group 500		39	0.61	0.04
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	12.94	0.403
Other(describe)	602	6	13.39	5.614
Method Group 600		26	13.11	0.36
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	3.74	0.261
Other(describe)	652	10	4.13	0.642
Method Group 650		25	3.76	0.28
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	24	42.59	0.583
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704			
EDTA Volumetric-AFPC IX.12.C	705	1	42.70	0.000
Other(describe)	706	12	42.74	0.165
Method Group 700		37	42.62	0.29
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	17	42.89	0.219
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714			
EDTA Volumetric-AFPC IX.12.C	715	1	43.04	0.000
Other(describe)	716	9	42.96	0.267
Method Group 710		26	42.94	0.20

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	26	3.25	0.099
Other (describe)	803	6	3.35	0.154
Method Group 800		32	3.26	0.11
Arsenic, As				
Atomic Absorption	911	1	8.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	12	23.1	3.55
Other(describe)	913	3	11.3	4.40
Method Group 900		16	21.7	5.06
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	17	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	17	3	0.7
Other(describe)	923	3	7	1.4
Method Group 910		21	3	1.2
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	12	4	1.8
Other(describe)	933	3	15	3.3
Method Group 920		16	5	2.8
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	4	0.1	0.05
Other(describe)	943	2	0.0	0.02
Method Group 930		6	0.0	0.03
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	16	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	13	17	1.7
Other(describe)	953	1	18	0.0
Method Group 940		15	17	1.6
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	17	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	15	18	2.4
Other(describe)	963	4	31	6.3
Method Group 950		20	18	2.9
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	11	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	15	11	1.4
Other(describe)	973	3	12	0.3
Method Group 960		19	11	1.4
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	2	4	1.7
Other(describe)	983	1	4	0.0
Method Group 970		4	3	2.5
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	48	0
ICP-induced coupled plasma-AFPC IX.16.A	992	13	47	7
Other(describe)	993	5	49	2
Method Group 980		19	48	5

101 Ground Sample AFPC IX.2.A		
Lab	%	H ₂ O
55	0.88	-2.264
266	0.80	-1.600
Std Dev	0.73	-1.000
21	0.73	-0.976
69	0.72	-0.935
6	0.72	-0.893
10	0.71	-0.852
21	0.71	-0.852
52	0.71	-0.852
10	0.70	-0.769
49	0.70	-0.769
6	0.67	-0.519
49	0.66	-0.436
13	0.63	-0.145
24	0.63	-0.145
Median	0.61	0.000
24	0.59	0.145
9	0.59	0.145
35	0.58	0.229
75	0.58	0.270
9	0.57	0.312
13	0.57	0.312
20	0.55	0.478
26	0.55	0.519
275	0.54	0.561
15	0.50	0.935
Std Dev	0.49	1.000
15	0.48	1.101
35	0.40	1.724
77	0.07	4.467
77	0.03	4.799

102 Other (describe)		
Lab	%	H ₂ O
20	0.56	0.000
Median	0.56	0.000

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
65	28.43	-0.654
77	28.39	-0.131
Median	28.38	0.000

56	28.37	0.131
Std Dev	28.30	1.000
55	28.08	3.922

202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
10	28.46	-0.510
10	28.42	0.000
Median	28.42	0.000
Std Dev	28.34	1.000
266	28.25	2.170

203 Photometric-AFPC IX.3.C		
Lab	%	P2O5
52	29.00	-7.361
78	28.64	-1.850
35	28.62	-1.623
49	28.62	-1.623
Std Dev	28.58	-1.000
9	28.56	-0.717
35	28.56	-0.717
275	28.56	-0.717
9	28.53	-0.189
6	28.52	-0.113
Median	28.51	0.000
78	28.51	0.113
49	28.50	0.189
51	28.49	0.340
6	28.48	0.566
92	28.47	0.642
Std Dev	28.45	1.000
51	28.42	1.397
92	28.36	2.303
26	28.28	3.586
270	28.08	6.503

204 Automated -AOAC 978.01-15th		
Lab	%	P2O5
13	28.61	-3.315
13	28.55	-1.481
21	28.53	-1.058
Std Dev	28.53	-1.000
77	28.50	-0.212
24	28.50	-0.071

Median	28.49	0.000
15	28.49	0.071
15	28.49	0.071
21	28.47	0.635
Std Dev	28.46	1.000
24	28.39	2.892
75	28.31	5.289

205 Other(describe)			
Lab	%	P2O5	
20	28.75	-1.516	
20	28.69	-1.128	
Std Dev	28.67	-1.000	
69	28.53	0.000	
Median	28.53	0.000	
56	28.50	0.212	
Std Dev	28.39	1.000	
19	28.10	3.033	

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	28.40	-1.340	
Std Dev	28.39	-1.000	
Median	28.36	0.000	
Std Dev	28.34	1.000	
55	28.33	1.340	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
10	28.66	-0.548	
10	28.62	0.000	
Median	28.62	0.000	
Std Dev	28.56	1.000	
266	28.48	2.132	

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
52	29.21	-19.885	
49	28.81	-3.841	
Std Dev	28.74	-1.000	
35	28.73	-0.803	
35	28.73	-0.467	
9	28.72	-0.350	
275	28.72	0.000	

Median	28.72	0.000
6	28.71	0.109
49	28.70	0.572
9	28.69	0.839
Std Dev	28.69	1.000
6	28.68	1.414
26	28.43	11.516

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
13	28.77	-1.191	
Std Dev	28.75	-1.000	
21	28.74	-0.841	
13	28.72	-0.705	
24	28.67	-0.212	
21	28.67	-0.205	
Median	28.65	0.000	
15	28.63	0.205	
15	28.63	0.262	
24	28.56	0.924	
Std Dev	28.55	1.000	
77	28.52	1.302	
75	28.47	1.805	

215 Other(describe)			
Lab	%	P2O5	dB
20	28.91	-0.903	
20	28.85	0.000	
Median	28.85	0.000	
Std Dev	28.79	1.000	
69	28.74	1.777	

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
55	1.15	0.000
Median	1.15	0.000

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
35	1.57	-1.177
78	1.54	-1.065
Std Dev	1.52	-1.000
266	1.52	-0.990
15	1.48	-0.840

35	1.47	-0.803
15	1.46	-0.766
51	1.44	-0.691
75	1.44	-0.682
51	1.41	-0.579
78	1.40	-0.542
92	1.38	-0.467
92	1.37	-0.430
275	1.28	-0.093
24	1.28	-0.075
275	1.27	-0.056
24	1.26	0.000
Median	1.26	0.000
270	1.22	0.131
69	1.19	0.243
6	1.16	0.355
21	1.13	0.467
6	1.13	0.486
49	1.09	0.635
9	1.07	0.710
9	1.07	0.710
49	1.06	0.747
10	1.05	0.766
13	1.05	0.766
21	1.05	0.766
10	1.04	0.803
13	1.04	0.822
Std Dev	0.99	1.000
52	0.79	1.737

303 Other(describe)		
Lab	%	Fe2O3
77	1.54	-0.661
77	1.53	-0.472
20	1.53	-0.377
20	1.51	0.000
Median	1.51	0.000
56	1.49	0.283
Std Dev	1.45	1.000
65	1.42	1.548
19	1.25	4.813

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
401		

55	1.13	0.000
Median	1.13	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.45	-4.187
51	1.44	-4.076
51	1.39	-3.517
35	1.23	-1.731
275	1.19	-1.284
35	1.17	-1.061
Std Dev	1.16	-1.000
78	1.16	-0.949
275	1.16	-0.949
92	1.13	-0.614
92	1.12	-0.502
15	1.11	-0.335
15	1.10	-0.223
75	1.09	-0.176
21	1.08	-0.056
69	1.08	-0.056
24	1.08	0.000
78	1.08	0.000
Median	1.08	0.000
270	1.08	0.000
21	1.05	0.279
49	1.05	0.279
49	1.05	0.279
9	1.05	0.335
10	1.03	0.503
10	1.02	0.614
6	1.02	0.670
9	1.02	0.670
24	1.01	0.726
6	1.01	0.782
13	0.99	0.949
Std Dev	0.99	1.000
13	0.96	1.340
52	0.85	2.513

403 Other(describe)		
Lab	%	Al2O3
56	1.38	-0.907
65	1.36	-0.742

77	1.30	-0.247
77	1.27	0.000
Median	1.27	0.000
20	1.17	0.825
20	1.17	0.866
Std Dev	1.15	1.000
19	1.13	1.154

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
35	0.69	-0.244
35	0.68	0.000
Median	0.68	0.000
Std Dev	0.64	1.000
55	0.58	2.436

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
6	0.65	-1.508
6	0.64	-1.173
15	0.64	-1.173
15	0.64	-1.173
49	0.64	-1.173
Std Dev	0.63	-1.000
21	0.63	-0.838
10	0.62	-0.503
49	0.62	-0.503
78	0.62	-0.503
270	0.62	-0.503
21	0.62	-0.335
10	0.61	-0.168
51	0.61	-0.168
275	0.61	-0.168
9	0.61	0.000
13	0.61	0.000
Median	0.61	0.000
9	0.60	0.168
13	0.60	0.168
24	0.60	0.168
266	0.60	0.168
78	0.59	0.503
24	0.58	0.838
51	0.58	0.838
92	0.58	0.838

Std Dev	0.58	1.000
92	0.57	1.173
275	0.57	1.173
69	0.56	1.508
75	0.55	1.897
52	0.39	7.202

503 Other(describe)		
Lab	%	MgO
20	0.67	-1.286
20	0.66	-1.018
Std Dev	0.66	-1.000
77	0.64	-0.482
65	0.62	0.000
Median	0.62	0.000
56	0.60	0.590
77	0.60	0.590
Std Dev	0.58	1.000
19	0.54	2.198

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
55	14.50	-3.871
49	13.54	-1.476
Std Dev	13.34	-1.000
9	13.29	-0.869
24	13.29	-0.856
21	13.28	-0.831
24	13.27	-0.806
9	13.21	-0.670
21	13.20	-0.633
10	13.15	-0.521
35	12.95	-0.025
Median	12.94	0.000
10	12.93	0.025
15	12.89	0.124
15	12.83	0.273
35	12.79	0.372
13	12.74	0.496
49	12.69	0.620
51	12.66	0.695
13	12.65	0.720
51	12.59	0.869
Std Dev	12.54	1.000

26 12.49 1.117

602 Other(describe)		
Lab	%	AI

20 23.10 -1.729

20 23.04 -1.719

Std Dev 19.00 -1.000

19 13.48 -0.016

Median 13.39 0.000

266 13.30 0.016

6 13.07 0.057

6 12.96 0.077

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2

6 4.06 -1.225

Std Dev 4.00 -1.000

9 3.98 -0.919

9 3.98 -0.919

24 3.93 -0.727

6 3.87 -0.498

24 3.82 -0.306

13 3.75 -0.019

21 3.74 0.000

Median 3.74 0.000

21 3.63 0.421

13 3.61 0.498

49 3.57 0.651

49 3.53 0.804

Std Dev 3.48 1.000

15 3.40 1.302

15 3.36 1.455

69 2.88 3.293

652 Other(describe)		
Lab	%	CO2

35 7.40 -5.103

35 7.17 -4.745

Std Dev 4.77 -1.000

51 4.62 -0.771

55 4.44 -0.491

51 4.44 -0.491

Median 4.13 0.000

20 3.81 0.491

20 3.76 0.569

56 3.70 0.662

65 3.67 0.709

Std Dev 3.48 1.000

266 2.68 2.252

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

35 44.37 -3.053

51 43.44 -1.458

Std Dev 43.17 -1.000

51 43.38 -1.355

49 42.76 -0.292

21 42.76 -0.292

49 42.76 -0.283

9 42.75 -0.274

9 42.75 -0.266

13 42.74 -0.257

13 42.62 -0.043

21 42.61 -0.026

10 42.59 0.000

92 42.59 0.000

Median 42.59 0.000

6 42.51 0.146

10 42.48 0.189

6 42.41 0.309

75 42.37 0.376

Std Dev 42.01 1.000

92 42.22 0.635

35 41.22 2.350

52 40.80 3.070

69 38.20 7.530

78 37.68 8.422

78 36.04 11.243

270 28.20 24.682

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

Median 0.00 0.000

704 Permanganate		
Lab	%	CaO

Median 0.00 0.000

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO

266 42.70 0.000

Median 42.70 0.000

706 Other(describe)		
Lab	%	CaO

77 43.30 -3.422

24 42.97 -1.423

Std Dev 42.90 -1.000

56 42.83 -0.575

24 42.82 -0.515

55 42.80 -0.394

65 42.75 -0.091

Median 42.74 0.000

20 42.72 0.091

20 42.70 0.242

15 42.61 0.757

15 42.58 0.969

Std Dev 42.57 1.000

77 42.20 3.240

19 41.90 5.057

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

35 44.63 -7.941

Std Dev 43.11 -1.000

21 43.07 -0.831

49 43.06 -0.782

49 43.04 -0.680

13 43.01 -0.542

9 43.00 -0.518

9 42.99 -0.456

21 42.91 -0.089

10 42.89 0.000

Median 42.89 0.000

13 42.86 0.141

6 42.79 0.450

10 42.78 0.486

6 42.72 0.798

Std Dev 42.67 1.000

75 42.62 1.252

35 41.39 6.872

52 41.09 8.214

69 38.48 20.156

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

Median 0.00 0.000

714 Permanganate			
Lab	%	CaO	dB

Median 0.00 0.000

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

266 43.04 0.000

Median 43.04 0.000

716 Other(describe)			
Lab	%	CaO	dB

77 43.31 -1.335

24 43.23 -1.006

Std Dev 43.22 -1.000

55 43.18 -0.837

24 43.09 -0.498

20 42.96 0.000

Median 42.96 0.000

20 42.93 0.086

15 42.82 0.503

15 42.78 0.666

Std Dev 42.69 1.000

77 42.23 2.720

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	

15	3.46	-2.048
49	3.43	-1.745
35	3.41	-1.593
15	3.36	-1.087
Std Dev	3.35	-1.000
21	3.32	-0.683
21	3.31	-0.582
6	3.31	-0.531
26	3.30	-0.480
275	3.28	-0.278
24	3.28	-0.228
35	3.27	-0.177
24	3.27	-0.126
6	3.26	-0.025
Median	3.25	0.000
52	3.25	0.025
9	3.22	0.379
51	3.21	0.430
55	3.18	0.733
9	3.18	0.784
13	3.18	0.784
13	3.17	0.834
51	3.16	0.935
266	3.16	0.935
49	3.16	0.986
Std Dev	3.15	1.000
69	3.12	1.340
75	3.11	1.492
270	3.00	2.554

803 Other(describe)		
Lab	%	Fluorine, F
20	3.49	-0.861
77	3.46	-0.698
20	3.38	-0.146
Median	3.35	0.000
77	3.33	0.146
19	3.20	0.991
Std Dev	3.20	1.000
65	3.09	1.705

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	8.0	0.000

Median	8.0	0.000
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912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
69	29.0	-1.659
Std Dev	26.7	-1.000
78	26.4	-0.914
270	26.3	-0.886
24	23.6	-0.141
78	23.5	-0.113
24	23.2	-0.028
Median	23.1	0.000
35	23.0	0.028
266	20.4	0.760
35	20.0	0.872
Std Dev	19.5	1.000
51	18.0	1.435
51	18.0	1.435
52	13.0	2.842

913 Other(describe)		
Lab	ppm	Arsenic, As
13	23.0	-2.669
Std Dev	15.7	-1.000
20	11.3	0.000
Median	11.3	0.000
20	11.2	0.011

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	17	0.000
Median	17	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
51	7	-5.187
51	7	-5.187
78	5	-1.830
78	4	-1.109
Std Dev	4	-1.000
69	4	-0.764
275	4	-0.533
275	4	-0.202
75	3	-0.072

923 Other(describe)		
Lab	ppm	Cadmium, Cd
20	7	-0.220
20	7	0.000
Median	7	0.000
Std Dev	5	1.000
13	3	2.460

52	3	0.000
Median	3	0.000
270	3	0.144
35	3	0.576
35	3	0.576
77	3	0.576
266	3	0.591
77	3	0.865
24	3	0.937
Std Dev	3	1.000
24	3	1.153

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	4	0.000
Median	4	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
270	47	-22.875
78	8	-2.030
78	7	-1.489
Std Dev	6	-1.000
266	5	-0.298
77	5	-0.244
77	5	-0.135
Median	4	0.000
35	4	0.135
75	4	0.271
35	3	0.677
24	3	0.947
24	3	0.947
69	3	0.947

933 Other(describe)		
Lab	ppm	Cobalt, Co
20	15	-0.030
20	15	0.000
Median	15	0.000
Std Dev	12	1.000
13	6	2.650

942 ICP-induced coupled plasma-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
941	0.0	0.000
Median	0.0	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
24	0.0	-1.340
Std Dev	0.0	-1.000
Median	0.0	0.000
Std Dev	0.0	1.000
13	0.0	1.340

944 Other(describe)		
Lab	ppm	Mercury, Hg
24	0.0	-1.340
Std Dev	0.0	-1.000
Median	0.0	0.000
Std Dev	0.0	1.000
13	0.0	1.340

945 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
78	25	-4.477
78	21	-2.520
69	20	-1.589
Std Dev	19	-1.000
270	18	-0.712
266	18	-0.326
24	17	-0.119
24	17	0.000
Median	17	0.000

946 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	16	0.000
Median	16	0.000

947 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	16	0.000
Median	16	0.000

948 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
78	25	-4.477
78	21	-2.520
69	20	-1.589
Std Dev	19	-1.000
270	18	-0.712
266	18	-0.326
24	17	-0.119
24	17	0.000
Median	17	0.000

275	17	0.172
77	16	0.563
275	16	0.628
Std Dev	15	1.000
77	14	1.571
20	5	6.848
20	5	7.115

953 Other(describe)		
Lab	ppm	lolybdenum, Mo
13	18	0.000
Median	18	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	17	0.000
Median	17	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
78	26	-3.224
78	22	-1.582
Std Dev	20	-1.000
275	20	-0.913
275	19	-0.692
75	19	-0.638
24	19	-0.454
24	18	-0.105
69	18	0.000
Median	18	0.000
270	18	0.060
77	17	0.183
77	17	0.265
Std Dev	15	1.000
35	15	1.086
35	15	1.086
52	15	1.086
266	15	1.250

963 Other(describe)		
Lab	ppm	Nickel, Ni
20	35	-0.560
20	35	-0.520
Median	31	0.000

19	28	0.520
Std Dev	25	1.000
13	21	1.679

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	11	0.000
Median	11	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
51	13	-1.531
266	13	-1.392
Std Dev	12	-1.000
78	12	-0.905
51	12	-0.835
275	12	-0.835
275	12	-0.640
270	11	-0.209
77	11	0.000
Median	11	0.000
77	10	0.278
69	10	0.439
78	10	0.452
35	10	0.557
35	10	0.557
Std Dev	9	1.000
24	6	3.585
24	5	3.724

973 Other(describe)		
Lab	ppm	Lead, Pb
20	12	0.000
20	12	0.000
Median	12	0.000
Std Dev	12	1.000
13	11	2.680

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	1	0.000
Median	1	0.000

982 ICP-induced id coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
69	6	-1.340
Std Dev	6	-1.000
Median	4	0.000
Std Dev	2	1.000
266	2	1.340

983 Other(describe)		
Lab	ppm	Selenium, Se
13	4	0.000
Median	4	0.000

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	48	0.000
Median	48	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
78	67	-2.793
24	65	-2.546
24	63	-2.243
78	56	-1.171
Std Dev	54	-1.000
75	54	-0.889
69	52	-0.676
266	47	0.000
Median	47	0.000
77	47	0.028
35	46	0.169
52	46	0.169
77	46	0.169
35	45	0.310
270	41	0.945

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	51	-1.072
Std Dev	51	-1.000
20	49	-0.179
20	49	0.000
Median	49	0.000
Std Dev	47	1.000

19	47	1.161
19	43	3.544