AFPC Rock Check Program

Sample No. 2018-12

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	0.89	0.223
Other (describe)	102	2	1.00	0.022
Method Group 100		30	0.93	0.22
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	31.30	0.179
ICP-inducted coupled plasma AFPC IX.3.D	202	1	31.75	0.000
Photometric-AFPC IX.3.C	203	20	31.40	0.118
Automated -AOAC 978.01-15th	204	9	31.36	0.134
Other(describe)	205	3	31.14	0.052
Method Group 200		37	31.38	0.16
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	31.52	0.084
ICP-inducted coupled plasma AFPC IX.3.D	212	1	31.97	0.000
Photometric-AFPC IX.3.C	213	14	31.71	0.075
Automated -AOAC 978.01-15th	214	9	31.67	0.100
Other(describe)	215	2	31.43	0.012
Method Group 210		28	31.67	0.22
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	1	1.22	0.000
ICP-inducted coupled plasma-AFPC IX.6.C	302	29	1.12	0.082
Other(describe)	303	6	1.18	0.172
Method Group 300		36	1.12	0.11
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	1	1.17	0.000
ICP-inducted coupled plasma-AFPC IX.7.C	402	29	1.12	0.123
Other(describe)	403	6	1.30	0.119
Method Group 400		36	1.18	0.13
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.54	0.000
ICP-inducted coupled plasma-AFPC IX.8.B	502	27	0.44	0.013
Other(describe)	503	6	0.43	0.028
Method Group 500		34	0.43	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	5.76	0.191
Other(describe)	602	5	5.98	0.239
Method Group 600		25	5.78	0.22
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	4.04	0.371
Other(describe)	652	10	4.48	2.265
Method Group 650		24	4.06	0.37
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	20	46.44	0.767
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	46.12	0.000
EDTA Volumetric-AFPC IX.12.C	705	2	46.47	0.175
Other(describe)	706	11	46.81	0.552
Method Group 700		34	46.44	0.63
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	14	46.83	0.338
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	46.46	0.000
EDTA Volumetric-AFPC IX.12.C	715	2	46.87	0.119
Other(describe)	716	9	47.06	0.595
Method Group 710		25	46.91	0.35

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	24	3.64	0.087
Oher(describe)	803	5	3.67	0.045
Method Group 800		29	3.64	0.07
Arsenic, As				
Atomic Absorption	911	1	3.0	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	13	11.8	3.25
Other(describe)	913	2	11.5	0.69
Method Group 900		16	11.4	2.83
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	6	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	17	4	1.5
Other(describe)	923	3	7	1.4
Method Group 910		21	4	1.4
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	9	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	12	5	2.6
Other(describe)	933	3		1.6
Method Group 920		16	4	4.4
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.2	0.00
ICP-inducted coupled plasma-AFPC IX.16.A	942	2	0.1	0.04
Other(describe)	943	5	0.2	56.94
Method Group 930		8	0.2	14.26
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	6	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	10	14	1.6
Other(describe)	953	1	15	0.0
Method Group 940		12	14	3.1
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	25	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	962	12	19	3.2
Other(describe)	963	4	17	4.9
Method Group 950		17	19	4.3
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	19	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	14	11	2.8
Other(describe)	973	3	9	1.0
Method Group 960		18	11	3.0
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	2	1	0.5
Other(describe)	983	1	2	0.0
Method Group 970		3	1	0.9
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	50	0
ICP-inducted coupled plasma-AFPC IX.16.A	992	13	54	7
Other(describe)	993	3	65	19
Method Group 980		17	54	9

101	Ground Sample AFPC IX.2.A	
Lab	% H_2O	
77	1.26	-1.671
15	1.15	-1.155
15	1.13	-1.065
52	1.12	-1.043
Std Dev	1.11	-1.000
21	1.07	-0.796
10	1.05	-0.706
10	1.04	-0.684
26	1.02	-0.572
21	1.01	-0.549
20	1.00	-0.505
24	0.99	-0.437
13	0.98	-0.415
13	0.98	-0.415
77	0.89	-0.011
Median	0.89	0.000
9	0.89	0.011
24	0.88	0.034
9	0.88	0.056
75	0.83	0.280
75	0.76	0.594
35	0.75	0.617
30	0.73	0.706
266	0.70	0.841
Std Dev	0.66	1.000
49	0.66	1.020
49	0.66	1.043
275	0.64	1.110
275	0.55	1.514
55	0.50	1.738
35	0.22	2.994

102	Other (describe)	
Lab	% H_2O	
69	1.03	-1.340
Std Dev	1.02	-1.000
Median	1.00	0.000
Std Dev	0.98	1.000
20	0.97	1.340

201	Gravimetric AFPC IX.3.B	
Lab	% P2O5	
65	31.86	-3.099
Std Dev	31.48	-1.000
77	31.35	-0.279
Median	31.30	0.000
55	31.25	0.279
56	31.20	0.586

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	% P2O5	
266	31.75	0.000
Median	31.75	0.000

203	Photometric-AFPC IX.3.C	
Lab	% P2O5	
21	31.71	-2.637
51	31.59	-1.659
52	31.55	-1.319
49	31.55	-1.276
51	31.53	-1.149
35	31.52	-1.063
Std Dev	31.51	-1.000
21	31.46	-0.510
26	31.44	-0.340
69	31.40	-0.043
92	31.40	-0.043
Median	31.40	0.000
35	31.39	0.043
9	31.38	0.128
9	31.38	0.128
92	31.38	0.128
10	31.37	0.213
10	31.35	0.383
Std Dev	31.28	1.000
30	31.24	1.319
49	31.19	1.744
78	31.02	3.190
78	30.96	3.701

204	Automated -AOAC 978.01-15th	
Lab	% P2O5	
13	31.50	-1.005
Std Dev	31.49	-1.000
15	31.46	-0.744
13	31.45	-0.670
15	31.42	-0.409
24	31.36	0.000
Median	31.36	0.000
24	31.36	0.037
77	31.27	0.670
Std Dev	31.23	1.000
75	31.21	1.154
75	31.18	1.377

205	Other(describe)	
Lab	% P2O5	
56	31.24	-1.914
Std Dev	31.19	-1.000
20	31.14	0.000
Median	31.14	0.000
20	31.10	0.766

211	Gravimetric AFPC IX.3.B		
Lab	% P2O5	dB	
77	31.63	-1.340	
Std Dev	31.60	-1.000	
Median	31.52	0.000	
Std Dev	31.44	1.000	
55	31.41	1.340	

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	% P2O5	dB	
266	31.97	0.000	
Median	31.97	0.000	

213	Photometric-AFPC IX.3.C		
Lab	% P2O5	dB	
21	32.03	-4.206	
52	31.91	-2.586	
21	31.79	-1.064	
Std Dev	31.79	-1.000	
35	31.76	-0.591	
26	31.76	-0.579	
49	31.75	-0.521	
69	31.73	-0.171	
Median	31.71	0.000	
10	31.70	0.171	
10	31.68	0.462	
9	31.66	0.720	
9	31.66	0.763	
Std Dev	31.64	1.000	
30	31.47	3.268	
35	31.46	3.409	
49	31.40	4.238	

214	Automated -AOAC 978.01-15th		
Lab	% P2O5	dB	
15	31.82	-1.553	
13	31.81	-1.377	
15	31.77	-1.034	
Std Dev	31.77	-1.000	
13	31.76	-0.922	
77	31.67	0.000	
Median	31.67	0.000	
24	31.67	0.021	
24	31.64	0.306	
Std Dev	31.57	1.000	
75	31.44	2.266	
75	31.43	2.347	

215	Other(describe)		
Lab	% P2O5	dB	
20	31.45	-1.340	
Std Dev	31.44	-1.000	
Median	31.43	0.000	
Std Dev	31.42	1.000	
20	31.41	1.340	

301	Atomic Absorption-AFPC IX.6.B	
Lab	% Fe2O3	
55	1.22	0.000
Median	1.22	0.000

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	% Fe2O3	
35	1.28	-2.010
35	1.28	-2.010
275	1.28	-2.010
78	1.27	-1.827
266	1.25	-1.645
275	1.25	-1.645
52	1.22	-1.279
Std Dev	1.20	-1.000

51	1.19	-0.914
78	1.19	-0.914
51	1.17	-0.670
92	1.16	-0.548
92	1.16	-0.548
13	1.14	-0.305
13	1.12	0.000
15	1.12	0.000
Median	1.12	0.000
10	1.11	0.061
10	1.11	0.061
49	1.11	0.061
9	1.10	0.244
15	1.09	0.305
9	1.09	0.365
49	1.08	0.426
21	1.06	0.670
69	1.06	0.682
75	1.04	0.962
21	1.04	0.975
24	1.04	0.975
Std Dev	1.03	1.000
75	1.03	1.047
24	1.02	1.218

303 Other(describe)

Lab	%	Fe2O3
77	1.39	-1.252
Std Dev	1.35	-1.000
77	1.34	-0.960
56	1.26	-0.494
Median	1.18	0.000
65	1.09	0.494
20	1.09	0.497
Std Dev	1.00	1.000
20	1.00	1.022

401 Atomic Absorption-AFPC IX.6.B

Lab	%	Al2O3
55	1.17	0.000
Median	1.17	0.000

402 ICP-inducted coupled plasma-AFPC IX.6.C

Lab	%	Al2O3
52	1.46	-2.802
78	1.42	-2.477
266	1.42	-2.477
35	1.32	-1.665
35	1.30	-1.502
78	1.28	-1.340
275	1.26	-1.178
51	1.24	-1.015
Std Dev	1.24	-1.000
92	1.22	-0.853
92	1.20	-0.690
275	1.19	-0.609
51	1.18	-0.528
69	1.14	-0.236
24	1.14	-0.162
24	1.12	0.000
Median	1.12	0.000
75	1.11	0.057
75	1.11	0.070
21	1.10	0.162
9	1.09	0.203
49	1.09	0.203
10	1.08	0.284
9	1.08	0.325
10	1.08	0.325
49	1.04	0.609
13	1.03	0.690
13	1.02	0.812
15	1.00	0.975
Std Dev	0.99	1.000
15	0.99	1.015
21	0.99	1.015

403 Other(describe)

Lab	%	Al2O3
65	1.40	-0.909
77	1.40	-0.879
77	1.33	-0.293
Median	1.30	0.000
20	1.26	0.293
20	1.21	0.712
56	1.21	0.712

501 Atomic Absorption-AFPC IX.8.A

Lab	%	MgO
55	0.54	0.000
Median	0.54	0.000

502 ICP-inducted coupled plasma-AFPC IX.8.B

Lab	%	MgO
35	0.48	-3.446
92	0.48	-3.446
35	0.47	-2.680
92	0.47	-2.680
21	0.45	-1.149
49	0.45	-1.149
52	0.45	-1.149
Std Dev	0.45	-1.000
9	0.44	-0.383
13	0.44	-0.383
21	0.44	-0.383
49	0.44	-0.383
51	0.44	-0.383
13	0.44	0.000
78	0.44	0.000
Median	0.44	0.000
9	0.43	0.383
10	0.43	0.383
24	0.43	0.383
24	0.43	0.383
51	0.43	0.383
266	0.43	0.383
10	0.43	0.766
75	0.42	0.897
Std Dev	0.42	1.000
78	0.42	1.149
75	0.41	2.033
69	0.41	2.221
15	0.41	2.297
15	0.41	2.297

503 Other(describe)

Lab	%	MgO
56	0.58	-5.307
77	0.46	-1.061
Std Dev	0.46	-1.000
20	0.43	0.000
77	0.43	0.000
Median	0.43	0.000
65	0.41	0.725
Std Dev	0.40	1.000
20	0.40	1.061

601 Insoluble-AFPC IX.4.A

Lab	%	Al
26	6.12	-1.896
49	6.00	-1.268
55	5.99	-1.216
Std Dev	5.95	-1.000
24	5.94	-0.954
49	5.89	-0.693
15	5.86	-0.510
15	5.84	-0.431
10	5.82	-0.301
35	5.78	-0.118
10	5.78	-0.092
Median	5.76	0.000
51	5.74	0.092
35	5.73	0.144
13	5.69	0.379
51	5.64	0.614
30	5.61	0.771
24	5.60	0.824
9	5.59	0.876
9	5.58	0.954
Std Dev	5.57	1.000
13	5.51	1.294
69	2.41	17.505

602 Other(describe)

Lab	%	Al
21	6.04	-0.230
275	5.99	-0.042
21	5.98	0.000
Median	5.98	0.000
Std Dev	5.74	1.000
266	5.67	1.298
275	5.67	1.298

651 Gasometric-AFPC IX.13.B

Lab	%	CO2

24	4.22	-0.478
15	4.20	-0.411
15	4.20	-0.411
13	4.18	-0.370
24	4.17	-0.343
21	4.06	-0.047
21	4.06	-0.047
Median	4.04	0.000
13	4.03	0.047
9	3.88	0.438
9	3.77	0.734
Std Dev	3.67	1.000
49	3.65	1.057
49	3.64	1.098
30	3.59	1.219
69	3.05	2.673

652 Other(describe)

Lab	%	CO2	
35	7.15		-1.181
35	7.14		-1.177
78	7.08		-1.148
Std Dev	6.74		-1.000
78	6.62		-0.945
20	4.50		-0.011
Median	4.48		0.000
20	4.45		0.011
65	4.00		0.210
55	3.90		0.254
56	3.78		0.307
266	2.86		0.713

701 Gravimetric sulfate-AFPC IX.12.A

Lab	%	CaO	
Median	0.00		0.000

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

Lab	%	CaO	
75	48.80		-3.074
75	47.66		-1.586
51	47.57		-1.474
78	47.55		-1.441
51	47.42		-1.278
Std Dev	47.21		-1.000
35	47.13		-0.900
9	46.76		-0.411
9	46.67		-0.300
49	46.48		-0.046
13	46.46		-0.020
Median	46.44		0.000
13	46.43		0.020
49	46.33		0.143
10	46.28		0.215
21	46.23		0.274
21	46.20		0.320
10	46.12		0.424
Std Dev	45.67		1.000
78	45.66		1.017
92	45.60		1.095
92	45.56		1.148
35	44.68		2.295

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	
Median	0.00		0.000

704 Permanganate

Lab	%	CaO	
30	46.12		0.000
Median	46.12		0.000

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	
266	46.70		-1.340
Std Dev	46.64		-1.000
Median	46.47		0.000
Std Dev	46.29		1.000
69	46.23		1.340

706 Other(describe)

Lab	%	CaO	
77	47.80		-1.793
Std Dev	47.36		-1.000
77	47.30		-0.887
24	47.28		-0.842
24	46.83		-0.027
55	46.82		-0.018
56	46.81		0.000
Median	46.81		0.000
15	46.40		0.742
15	46.40		0.742
Std Dev	46.26		1.000
20	46.22		1.068
20	46.20		1.105
65	42.31		8.158

711 Gravimetric sulfate-AFPC IX.12.A

Lab	%	CaO	dB
Median	0.00		0.000

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

Lab	%	CaO	dB
75	49.17		-6.910
75	48.05		-3.609
35	47.23		-1.187
Std Dev	47.17		-1.000
9	47.17		-0.991
9	47.09		-0.751
13	46.91		-0.242
13	46.88		-0.152
Median	46.83		0.000
49	46.78		0.152
10	46.76		0.212
21	46.70		0.388
21	46.69		0.416
49	46.64		0.577
10	46.60		0.683
Std Dev	46.50		1.000
35	45.02		5.372

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
30	46.46		0.000
Median	46.46		0.000

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
266	47.03		-1.340
Std Dev	46.99		-1.000
Median	46.87		0.000
Std Dev	46.75		1.000
69	46.71		1.340

716 Other(describe)

Lab	%	CaO	dB
77	48.41		-2.278
24	47.75		-1.160
77	47.72		-1.126
Std Dev	47.65		-1.000
24	47.24		-0.312
55	47.06		0.000
Median	47.06		0.000
15	46.94		0.198
15	46.93		0.214
20	46.67		0.643
20	46.67		0.654

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	
26	4.01		-4.207
69	3.98		-3.919
24	3.83		-2.132
21	3.80		-1.844
9	3.75		-1.268
9	3.75		-1.210
Std Dev	3.73		-1.000
51	3.72		-0.922
49	3.71		-0.749
35	3.70		-0.692
49	3.70		-0.634
24	3.68		-0.403
30	3.64		0.000
75	3.64		0.000
Median	3.64		0.000
15	3.64		0.058
15	3.64		0.058
266	3.63		0.115
13	3.61		0.346

13	3.61	0.346
51	3.61	0.346
75	3.59	0.576
Std Dev	3.55	1.000
21	3.51	1.498
35	3.49	1.729
55	3.40	2.766
52	3.34	3.458

803	Oher(describe)	
Lab	%	Fluorine, F
20	3.70	-0.670
77	3.69	-0.447
20	3.67	0.000
Median	3.67	0.000
77	3.63	0.893
Std Dev	3.63	1.000
65	3.62	1.228

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	3.0	0.000
Median	3.0	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
78	16.9	-1.571
Std Dev	15.0	-1.000
78	14.4	-0.786
24	14.1	-0.693
24	14.0	-0.662
35	13.0	-0.370
35	13.0	-0.370
69	11.8	0.000
Median	11.8	0.000
51	11.0	0.246
20	9.8	0.616
20	9.6	0.678
51	9.0	0.863
52	9.0	0.863
266	8.8	0.924

913	Other(describe)	
Lab	ppm	Arsenic, As
77	12.4	-1.340
Std Dev	12.2	-1.000
Median	11.5	0.000
Std Dev	10.8	1.000
13	10.6	1.340

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	6	0.000
Median	6	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
78	6	-1.420
78	6	-1.126
Std Dev	5	-1.000
35	5	-0.670
51	5	-0.670
77	5	-0.670
75	4	-0.201
35	4	0.000
51	4	0.000
77	4	0.000
Median	4	0.000
75	4	0.033
266	3	0.503
69	3	0.596
52	3	0.670
24	3	0.804
275	3	0.804
24	3	0.838
275	3	0.911

923	Other(describe)	
Lab	ppm	Cadmium, Cd
20	7	-0.145
20	7	0.000
Median	7	0.000
Std Dev	6	1.000
13	4	2.535

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	9	0.000
Median	9	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	7	-0.887
78	7	-0.887
35	6	-0.510
77	6	-0.510
35	5	-0.132
77	5	-0.132
Median	5	0.000
266	4	0.132
24	3	0.528
24	3	0.547
Std Dev	2	1.000
75	0	1.680
75	0	1.736
69	0	1.755

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	4	-2.680
Std Dev	2	-1.000
20	0	0.000
20	0	0.000
Median	0	0.000

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
55	0.2	0.000
Median	0.2	0.000

942	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
266	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.0	1.000
69	0.0	1.340

943	Other(describe)	
Lab	ppm	Mercury, Hg
24	78.0	-1.366
24	76.5	-1.340
Std Dev	57.1	-1.000
13	0.2	0.000
Median	0.2	0.000
20	0.2	0.000
20	0.2	0.000

951	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	!olybdenum, Mo
55	6	0.000
Median	6	0.000

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	!olybdenum, Mo
78	15	-0.678
78	15	-0.616
69	15	-0.400
24	14	-0.216
24	14	-0.092
Median	14	0.000
266	14	0.092
77	13	0.524
Std Dev	12	1.000
77	12	1.140
20	3	6.438
20	3	6.500

953	Other(describe)	
Lab	ppm	!olybdenum, Mo
13	15	0.000
Median	15	0.000

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	25	0.000
Median	25	0.000

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
35	26	-2.286
52	25	-1.971
35	23	-1.340
Std Dev	22	-1.000
24	21	-0.631
77	20	-0.394

77	19	-0.079
Median	19	0.000
78	19	0.079
78	18	0.236
24	18	0.315
Std Dev	16	1.000
266	15	1.182
75	12	2.144
75	12	2.286

963	Other(describe)	
Lab	ppm	Nickel, Ni
20	20	-0.606
20	20	-0.596
Median	17	0.000
13	14	0.596
Std Dev	12	1.000
69	11	1.177

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
55	19	0.000
Median	19	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
266	15	-1.313
Std Dev	14	-1.000
78	13	-0.706
78	13	-0.688
35	13	-0.634
51	13	-0.634
35	12	-0.277
51	12	-0.277
Median	11	0.000
275	10	0.277
275	10	0.345
77	10	0.438
77	9	0.795
Std Dev	8	1.000
24	5	2.332
24	4	2.546
69	0	4.011

973	Other(describe)	
Lab	ppm	Lead, Pb
13	12	-2.584
Std Dev	10	-1.000
20	9	0.000
Median	9	0.000
20	9	0.096

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

982	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
266	1	-1.340
Std Dev	1	-1.000
Median	1	0.000
Std Dev	0	1.000
69	0	1.340

983	Other(describe)	
Lab	ppm	Selenium, Se
13	2	0.000
Median	2	0.000

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
55	50	0.000
Median	50	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
24	80	-3.549
24	75	-2.929
Std Dev	61	-1.000
78	59	-0.741
77	57	-0.471
35	56	-0.337
35	54	-0.067
78	54	0.000
Median	54	0.000
52	53	0.067
77	53	0.067
75	47	0.869
75	46	0.949
Std Dev	46	1.000
69	43	1.428
266	42	1.589

993	Other(describe)	
Lab	ppm	Zinc, Zn
20	67	-0.108
20	65	0.000
Median	65	0.000
Std Dev	46	1.000
13	17	2.572