

AFPC Rock Check Program

Sample No. 2018-11

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	27	0.74	0.138
Other (describe)	102	1	0.70	
Method Group 100		28	0.74	0.13
P₂O₅				
Gravimetric AFPC IX.3.B	201	4	27.95	0.276
ICP-induced coupled plasma AFPC IX.3.D	202			
Photometric-AFPC IX.3.C	203	23	28.07	0.170
Automated -AOAC 978.01-15th	204	9	27.76	0.187
Other(describe)	205	3	27.67	0.078
Method Group 200		39	27.96	0.25
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.12	0.077
ICP-induced coupled plasma AFPC IX.3.D	212			
Photometric-AFPC IX.3.C	213	15	28.27	0.199
Automated -AOAC 978.01-15th	214	9	27.97	0.140
Other(describe)	215	2	27.89	0.017
Method Group 210		28	28.10	0.25
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	0.55	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	29	0.55	0.052
Other(describe)	303	6	0.63	0.049
Method Group 300		36	0.56	0.06
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	0.65	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	29	0.89	0.157
Other(describe)	403	6	1.64	0.319
Method Group 400		36	0.90	0.32
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.30	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	27	0.40	0.014
Other(describe)	503	6	0.41	0.017
Method Group 500		34	0.40	0.01
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	12.84	0.164
Other(describe)	602	2	12.78	0.222
Method Group 600		23	12.84	0.21
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	3.88	0.340
Other(describe)	652	11	4.80	3.112
Method Group 650		25	4.07	0.82
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	20	42.47	0.444
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.64	0.000
EDTA Volumetric-AFPC IX.12.C	705			
Other(describe)	706	11	42.38	0.882
Method Group 700		32	42.47	0.49
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	12	42.79	0.411
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	42.89	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	9	42.98	0.704
Method Group 710		21	42.79	0.44

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	21	2.90	0.060
Other (describe)	803	5	2.96	0.067
Method Group 800		26	2.90	0.06
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	11	9.7	1.42
Other(describe)	913	2	19.3	6.90
Method Group 900		13	10.0	1.34
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	8	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	17	77	6.5
Other(describe)	923	3	77	27.2
Method Group 910		21	77	4.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	11	1	1.3
Other(describe)	933	3		2.0
Method Group 920		15	1	1.3
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.3	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942			
Other(describe)	943	5	0.9	230.47
Method Group 930		6	0.8	172.90
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	12	13	3.2
Other(describe)	953	1	19	0.0
Method Group 940		13	14	3.0
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	65	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	15	98	16.2
Other(describe)	963	3	106	28.4
Method Group 950		19	98	15.9
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	37	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	11	8	1.7
Other(describe)	973	3	8	2.2
Method Group 960		15	8	1.5
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982			
Other(describe)	983	2	15	8.1
Method Group 970		2	15	8.1
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	400	0
ICP-induced coupled plasma-AFPC IX.16.A	992	15	914	71
Other(describe)	993	3	900	323
Method Group 980		19	904	57

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
52	1.23		-3.549
Std Dev	0.88		-1.000
10	0.82		-0.579
26	0.82		-0.579
10	0.81		-0.507
21	0.81		-0.507
15	0.80		-0.435
21	0.80		-0.435
15	0.78		-0.290
24	0.77		-0.217
77	0.77		-0.217
13	0.77		-0.181
9	0.75		-0.036
9	0.74		0.000
13	0.74		0.000
Median	0.74		0.000
24	0.73		0.072
20	0.68		0.435
75	0.66		0.616
35	0.64		0.724
75	0.64		0.761
35	0.63		0.797
Std Dev	0.60		1.000
30	0.58		1.159
275	0.58		1.159
275	0.54		1.449
49	0.54		1.485
49	0.47		1.956
55	0.47		1.956
77	0.45		2.101

102 Other (describe)			
Lab	%	H ₂ O	
20	0.70		0.000
Median	0.70		0.000

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
65	28.29		-1.231
Std Dev	28.22		-1.000
55	28.09		-0.525
Median	27.95		0.000

77	27.80		0.525
56	27.68		0.978

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
Median	0.00		0.000

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
52	28.60		-3.151
49	28.30		-1.384
Std Dev	28.23		-1.000
35	28.23		-0.972
45	28.22		-0.913
26	28.21		-0.825
49	28.19		-0.707
51	28.17		-0.618
30	28.13		-0.383
51	28.13		-0.383
78	28.10		-0.177
9	28.09		-0.118
78	28.07		0.000
Median	28.07		0.000
9	28.06		0.029
35	28.06		0.029
45	28.04		0.147
92	27.98		0.501
10	27.96		0.618
92	27.94		0.736
Std Dev	27.90		1.000
10	27.88		1.090
21	27.88		1.119
275	27.86		1.207
275	27.80		1.561
21	27.57		2.945

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	27.99		-1.233
Std Dev	27.94		-1.000
77	27.90		-0.777
15	27.89		-0.697
13	27.79		-0.188
13	27.76		0.000

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	27.99		-1.233
Std Dev	27.94		-1.000
77	27.90		-0.777
15	27.89		-0.697
13	27.79		-0.188
13	27.76		0.000

Median	27.76		0.000
75	27.72		0.214
24	27.64		0.643
24	27.59		0.884
Std Dev	27.57		1.000
75	27.52		1.260

205 Other(describe)			
Lab	%	P2O5	
20	27.72		-0.638
20	27.67		0.000
Median	27.67		0.000
Std Dev	27.59		1.000
56	27.51		2.042

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.22		-1.340
Std Dev	28.20		-1.000
Median	28.12		0.000
Std Dev	28.04		1.000
77	28.02		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
Median	0.00		0.000

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
52	28.96		-3.451
Std Dev	28.47		-1.000
26	28.44		-0.843
49	28.43		-0.821
35	28.41		-0.696
49	28.34		-0.332
9	28.29		-0.120
30	28.29		-0.118
9	28.27		0.000
Median	28.27		0.000
35	28.24		0.150
10	28.19		0.414
10	28.11		0.806
21	28.10		0.846
Std Dev	28.07		1.000

275	28.02		1.249
275	27.95		1.609
21	27.79		2.433

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	28.21		-1.724
Std Dev	28.11		-1.000
15	28.10		-0.965
77	28.03		-0.408
13	28.00		-0.201
13	27.97		0.000
Median	27.97		0.000
75	27.89		0.548
24	27.84		0.932
Std Dev	27.83		1.000
24	27.80		1.176
75	27.70		1.908

215 Other(describe)			
Lab	%	P2O5	dB
20	27.91		-1.340
Std Dev	27.90		-1.000
Median	27.89		0.000
Std Dev	27.87		1.000
20	27.87		1.340

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
55	0.55		0.000
Median	0.55		0.000

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	0.70		-2.967
35	0.69		-2.776
78	0.69		-2.680
78	0.68		-2.584
15	0.62		-1.436
15	0.62		-1.436
275	0.61		-1.244
45	0.60		-1.053
51	0.60		-1.053
275	0.60		-1.053

Std Dev	0.60	-1.000
51	0.58	-0.670
92	0.58	-0.670
92	0.57	-0.479
9	0.55	0.000
9	0.55	0.000
21	0.55	0.000
Median	0.55	0.000
10	0.54	0.096
21	0.54	0.096
24	0.54	0.096
24	0.54	0.096
10	0.53	0.287
13	0.53	0.287
13	0.53	0.287
75	0.52	0.394
75	0.52	0.400
49	0.52	0.479
49	0.52	0.574
Std Dev	0.49	1.000
52	0.47	1.436
45	0.43	2.201

303 Other(describe)		
Lab	%	Fe2O3
77	0.66	-0.657
77	0.66	-0.657
65	0.66	-0.556
Median	0.63	0.000
20	0.60	0.556
20	0.59	0.758
Std Dev	0.58	1.000
56	0.52	2.174

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	0.65	0.000
Median	0.65	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
78	1.85	-6.094
78	1.76	-5.520
52	1.52	-4.020

35	1.26	-2.361
35	1.23	-2.170
Std Dev	1.05	-1.000
92	1.00	-0.702
24	0.99	-0.638
92	0.95	-0.383
24	0.93	-0.223
75	0.91	-0.138
75	0.91	-0.126
9	0.90	-0.064
45	0.90	-0.064
9	0.89	0.000
45	0.89	0.000
Median	0.89	0.000
49	0.87	0.128
15	0.87	0.160
15	0.87	0.160
49	0.85	0.287
51	0.83	0.383
51	0.79	0.638
10	0.74	0.957
Std Dev	0.73	1.000
21	0.70	1.244
10	0.69	1.276
21	0.67	1.436
13	0.62	1.723
275	0.62	1.723
275	0.62	1.723
13	0.61	1.819

403 Other(describe)		
Lab	%	Al2O3
65	1.87	-0.744
77	1.71	-0.235
77	1.71	-0.235
Median	1.64	0.000
56	1.56	0.235
Std Dev	1.32	1.000
20	1.19	1.395
20	1.15	1.520

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.30	0.000

Median	0.30	0.000
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502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
78	0.44	-2.471
45	0.43	-2.118
78	0.43	-1.765
45	0.42	-1.412
Std Dev	0.41	-1.000
21	0.41	-0.706
21	0.41	-0.706
9	0.41	-0.706
9	0.41	-0.706
49	0.41	-0.706
49	0.41	-0.706
92	0.41	-0.706
15	0.41	-0.353
15	0.41	-0.353
75	0.40	-0.198
9	0.40	0.000
24	0.40	0.000
24	0.40	0.000
35	0.40	0.000
35	0.40	1.244
51	0.40	0.000
Median	0.40	0.000
75	0.39	0.562
10	0.39	0.706
10	0.39	0.706
Std Dev	0.39	1.000
13	0.39	1.059
13	0.38	1.412
51	0.38	1.412
92	0.38	1.412
52	0.37	2.118

503 Other(describe)		
Lab	%	MgO
65	0.43	-1.191
77	0.43	-1.191
Std Dev	0.43	-1.000
56	0.41	0.000
77	0.41	0.000
Median	0.41	0.000
20	0.40	0.596

Std Dev	0.39	1.000
20	0.38	1.787

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
45	13.45	-3.715
26	13.42	-3.533
45	13.39	-3.350
15	13.22	-2.284
15	13.22	-2.284
Std Dev	13.00	-1.000
30	12.98	-0.853
55	12.96	-0.731
49	12.89	-0.274
24	12.87	-0.183
10	12.84	0.000
13	12.84	0.000
Median	12.84	0.000
24	12.82	0.122
13	12.81	0.183
9	12.78	0.365
51	12.78	0.365
9	12.76	0.487
51	12.72	0.731
10	12.71	0.792
Std Dev	12.68	1.000
49	12.44	2.467
35	11.84	6.091
35	11.79	6.395

602 Other(describe)		
Lab	%	Al
21	13.08	-1.340
Std Dev	13.00	-1.000
Median	12.78	0.000
Std Dev	12.56	1.000
21	12.48	1.340

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
21	4.25	-1.097
21	4.25	-1.097
24	4.23	-1.038
Std Dev	4.22	-1.000

77	4.12	-0.714
24	4.07	-0.552
15	3.99	-0.317
15	3.99	-0.317
Median	3.88	0.000
9	3.77	0.317
9	3.77	0.317
30	3.67	0.611
49	3.65	0.685
13	3.62	0.758
49	3.61	0.788
13	3.57	0.906

652 Other(describe)		
Lab	%	CO2
78	26.88	-7.094
78	24.83	-6.435
35	8.44	-1.170
35	8.44	-1.170
Std Dev	7.91	-1.000
51	4.83	-0.010
20	4.80	0.000
Median	4.80	0.000
20	4.78	0.006
51	4.78	0.006
55	3.76	0.334
65	3.68	0.360
56	3.52	0.411

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	
75	43.50	-2.315	
75	43.25	-1.763	
45	43.05	-1.306	
Std Dev	42.91	-1.000	
51	42.78	-0.698	
51	42.69	-0.495	
9	42.69	-0.484	
9	42.67	-0.439	
49	42.59	-0.270	

10	42.56	-0.203
49	42.50	-0.068
Median	42.47	0.000
10	42.44	0.068
45	42.43	0.090
92	42.23	0.541
21	42.11	0.811
13	42.10	0.845
13	42.08	0.878
21	42.06	0.935
Std Dev	42.03	1.000
92	41.98	1.104
78	39.61	6.441
78	36.77	12.837

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

704 Permanganate			
Lab	%	CaO	
30	42.64	0.000	
Median	42.64	0.000	

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

706 Other(describe)			
Lab	%	CaO	
77	43.30	-1.043	
Std Dev	43.26	-1.000	

77	42.90	-0.589
20	42.74	-0.408
20	42.71	-0.374
15	42.64	-0.295
15	42.38	0.000
Median	42.38	0.000
56	42.00	0.431
55	41.90	0.544
Std Dev	41.50	1.000
24	41.19	1.354
24	41.05	1.513
65	40.55	2.079

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
75	43.78	-2.420	
75	43.53	-1.798	
Std Dev	43.20	-1.000	
9	43.00	-0.517	
9	42.99	-0.473	
10	42.91	-0.284	
49	42.79	0.000	
Median	42.79	0.000	
10	42.79	0.000	
49	42.73	0.152	
21	42.45	0.831	
13	42.41	0.931	
13	42.40	0.941	
21	42.40	0.956	

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

714 Permanganate			
Lab	%	CaO	dB
30	42.89	0.000	
Median	42.89	0.000	

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

716 Other(describe)			
Lab	%	CaO	dB
77	43.64	-0.939	
77	43.09	-0.169	
20	43.04	-0.094	
20	43.00	-0.039	
15	42.98	0.000	
Median	42.98	0.000	
15	42.72	0.360	

Std Dev	42.27	1.000
55	42.10	1.246
24	41.49	2.113
24	41.36	2.289

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
55	3.02	-2.094
51	2.99	-1.591
49	2.98	-1.424
21	2.96	-1.089
49	2.96	-1.005
Std Dev	2.95	-1.000
26	2.95	-0.838
21	2.93	-0.586
75	2.92	-0.335
13	2.90	0.000
15	2.90	0.000
15	2.90	0.000
Median	2.90	0.000
75	2.89	0.084
13	2.89	0.084
9	2.89	0.168
30	2.88	0.251
9	2.87	0.502
35	2.86	0.586
51	2.86	0.586
Std Dev	2.84	1.000
35	2.82	1.256
24	2.73	2.764
24	2.73	2.764

803 Other(describe)		
Lab	%	Fluorine, F
20	3.08	-1.854
Std Dev	3.02	-1.000
20	3.00	-0.663
65	2.96	0.000
Median	2.96	0.000
77	2.91	0.677

Std Dev	2.89	1.000
77	2.77	2.762

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
24	12.5	-1.975
24	12.3	-1.798
Std Dev	11.1	-1.000
35	11.0	-0.917
35	11.0	-0.917
51	10.0	-0.212
20	9.7	0.000
Median	9.7	0.000
20	9.5	0.141
52	9.2	0.353
51	9.0	0.494
78	8.4	0.917
Std Dev	8.3	1.000
78	7.7	1.411

913	Other(describe)	
Lab	ppm	Arsenic, As
13	28.5	-1.340
Std Dev	26.2	-1.000
Median	19.3	0.000
Std Dev	12.3	1.000
77	10.0	1.340

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	8	0.000
Median	8	0.000

922	ICP-induced coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
78	97	-3.150
78	96	-2.952
52	86	-1.409
77	84	-1.103
Std Dev	83	-1.000

77	83	-0.949
75	79	-0.375
75	79	-0.368
45	77	-0.031
24	77	0.000
Median	77	0.000
24	76	0.077
45	76	0.123
51	75	0.276
275	74	0.391
51	73	0.582
35	71	0.888
275	71	0.930
Std Dev	70	1.000
35	70	1.041

923	Other(describe)	
Lab	ppm	Cadmium, Cd
20	77	-0.011
20	77	0.000
Median	77	0.000
Std Dev	49	1.000
13	4	2.669

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	1	0.000
Median	1	0.000

932	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
35	2	-0.766
35	2	-0.766
78	2	-0.766
78	2	-0.383
45	1	0.000
45	1	0.000
Median	1	0.000
24	0	0.766
24	0	0.766
75	0	0.766
75	0	0.766
77	0	0.766

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	5	-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	0.3	0.000
Median	0.3	0.000

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

943	Other(describe)	
Lab	ppm	Mercury, Hg
24	310.5	-1.343
24	309.5	-1.339
Std Dev	231.4	-1.000
13	0.9	0.000
Median	0.9	0.000
20	0.7	0.001
20	0.7	0.001

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

952	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Molybdenum, Mo
78	16	-0.818
78	16	-0.755
45	14	-0.266
45	14	-0.266
24	14	-0.203
24	14	-0.188
Median	13	0.000
275	13	0.188
275	11	0.711
77	10	0.995
Std Dev	10	1.000

77	9	1.310
20	3	3.170
20	3	3.189

953	Other(describe)	
Lab	ppm	Molybdenum, Mo
13	19	0.000
Median	19	0.000

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	65	0.000
Median	65	0.000

962	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
35	117	-1.152
35	115	-1.029
Std Dev	115	-1.000
45	112	-0.844
52	111	-0.782
78	111	-0.752
78	110	-0.690
45	106	-0.474
24	98	0.000
Median	98	0.000
275	97	0.094
24	96	0.129
77	89	0.573
77	89	0.573
75	88	0.613
75	87	0.696
Std Dev	82	1.000
275	80	1.132

963	Other(describe)	
Lab	ppm	Nickel, Ni
20	106	0.000
20	106	0.000
Median	106	0.000
Std Dev	78	1.000
13	30	2.680

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	37	0.000
Median	37	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
77	10	-1.164
Std Dev	10	-1.000
35	9	-0.588
51	9	-0.588
35	8	-0.012
51	8	-0.012
275	8	0.000
Median	8	0.000
275	8	0.104
Std Dev	6	1.000
24	6	1.026
78	6	1.055
24	4	2.409
78	4	2.553

973 Other(describe)		
Lab	ppm	Lead, Pb
13	14	-2.635
Std Dev	10	-1.000
20	8	0.000
Median	8	0.000
20	8	0.045

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

982 ICP-induc coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
Median	0	0.000

983 Other(describe)		
Lab	ppm	Selenium, Se
77	26	-1.340
Std Dev	23	-1.000
Median	15	0.000
Std Dev	7	1.000

13 4 1.340

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	400	0.000
Median	400	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
78	1006	-1.303
35	997	-1.177
78	993	-1.120
35	992	-1.106
Std Dev	984	-1.000
24	941	-0.390
24	941	-0.386
75	919	-0.073
75	914	0.000
Median	914	0.000
52	904	0.134
77	880	0.472
77	875	0.542
45	868	0.641
45	862	0.726
Std Dev	843	1.000
275	773	1.979
275	744	2.393

993 Other(describe)		
Lab	ppm	Zinc, Zn
20	909	-0.028
20	900	0.000
Median	900	0.000
Std Dev	577	1.000
13	44	2.652