AFPC Rock Check Program

Sample No. 2017-04

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	27	0.71	0.075
Other (describe)	102	1	0.71	
Method Group 100		28	0.71	0.07
P_2O_5				
Gravimetric AFPC IX.3.B	201	2	30.15	0.224
ICP-inducted coupled plasma AFPC IX.3.D	202	3	30.13	0.056
Photometric-AFPC IX.3.C	203	21	30.11	0.153
Automated -AOAC 978.01-15th	204	11	30.20	0.069
Other(describe)	205	1	29.73	0.000
Method Group 200		38	30.16	0.14
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	30.25	0.197
ICP-inducted coupled plasma AFPC IX.3.D	212	3	30.34	0.045
Photometric-AFPC IX.3.C	213	12	30.36	0.145
Automated -AOAC 978.01-15th	214	11	30.43	0.064
Other(describe)	215			
Method Group 210		28	30.40	0.12
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	2	0.85	0.054
ICP-inducted coupled plasma-AFPC IX.6.C	302	29	0.90	0.022
Other(describe)	303	4	0.99	0.114
Method Group 300		35	0.90	0.03
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	2	1.17	0.090
ICP-inducted coupled plasma-AFPC IX.7.C	402	30	1.27	0.179
Other(describe)	403	3	1.61	0.093
Method Group 400		35	1.29	0.23
MgO				
Atomic Absorption-AFPC IX.8.A	501	4	0.49	0.039
ICP-inducted coupled plasma-AFPC IX.8.B	502	28	0.38	0.012
Other(describe)	503	3	0.44	0.052
Method Group 500		35	0.38	0.01
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	23	11.36	0.078
Other(describe)	602	4	11.65	0.274
Method Group 600		27	11.39	0.13
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	16	3.46	0.155
Other(describe)	652	7	3.94	0.174
Method Group 650		23	3.54	0.28
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	24	43.89	0.316
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	43.85	0.332
EDTA Volumetric-AFPC IX.12.C	705	1	43.72	0.000
Other(describe)	706	8	44.02	0.292
Method Group 700		35	43.89	0.37
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	16	44.21	0.252
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	44.60	0.000
EDTA Volumetric-AFPC IX.12.C	715	1	44.07	0.000
Other(describe)	716	7	44.31	0.335
Method Group 710		24	44.27	0.28

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	26	3.49	0.121
Oher(describe)	803	3	3.41	0.082
Method Group 800		29	3.49	0.12
Arsenic, As				
Atomic Absorption	911			
ICP-inducted coupled plasma-AFPC IX.15.B	912	11	8.0	1.34
Other(describe)	913	2	7.3	0.25
Method Group 900		13	7.7	1.19
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	5	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	15	6	0.7
Other(describe)	923	2	5	0.1
Method Group 910		18	6	0.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	12	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	12	22	9.3
Other(describe)	933	2	18	5.0
Method Group 920		15	19	9.7
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-inducted coupled plasma-AFPC IX.16.A	942	3		0.04
Other(describe)	943	2	0.1	0.05
Method Group 930		5	0.0	0.08
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	16	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	8	20	3.7
Other(describe)	953	2	20	0.4
Method Group 940		11	20	1.5
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	21	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	962	11	24	2.5
Other(describe)	963	3	21	3.3
Method Group 950		15	23	3.1
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	7	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	10	9	3.5
Other(describe)	973	2	13	1.8
Method Group 960		13	11	3.7
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	2	1	1.1
Other(describe)	983	2	1	0.9
Method Group 970		4	1	1.9
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	2	86	15
ICP-inducted coupled plasma-AFPC IX.16.A	992	13	64	9
Other(describe)	993	4	61	6
Method Group 980		19	64	7

101	Ground Sample AFPC IX.2.A	
Lab	% H_2O	
24	0.84	-1.742
24	0.84	-1.675
21	0.81	-1.273
13	0.80	-1.206
266	0.80	-1.206
Std Dev	0.78	-1.000
49	0.78	-0.938
21	0.77	-0.804
15	0.76	-0.670
49	0.75	-0.536
6	0.74	-0.436
9	0.73	-0.201
15	0.72	-0.134
26	0.72	-0.134
13	0.71	0.000
Median	0.71	0.000
6	0.71	0.067
10	0.70	0.134
10	0.69	0.268
30	0.69	0.268
75	0.69	0.335
52	0.68	0.402
75	0.65	0.804
Std Dev	0.64	1.000
9	0.61	1.340
55	0.45	3.484
35	0.40	4.154
35	0.35	4.824
77	0.21	6.700
77	0.21	6.700

102	Other (describe)	
Lab	% H_2O	
69	0.71	0.000
Median	0.71	0.000

201	Gravimetric AFPC IX.3.B	
Lab	% P2O5	
77	30.45	-1.340
Std Dev	30.37	-1.000
Median	30.15	0.000
Std Dev	29.93	1.000
55	29.85	1.340

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	% P2O5	
10	30.24	-1.965
Std Dev	30.19	-1.000
10	30.13	0.000
Median	30.13	0.000
266	30.09	0.715

203	Photometric-AFPC IX.3.C	
Lab	% P2O5	
49	30.37	-1.667
52	30.34	-1.503
30	30.28	-1.111
51	30.28	-1.111
49	30.27	-1.013
Std Dev	30.26	-1.000
35	30.23	-0.784
6	30.19	-0.539
35	30.19	-0.523
9	30.17	-0.392
51	30.16	-0.327
6	30.11	0.000
Median	30.11	0.000
92	30.10	0.065
92	30.08	0.196
69	30.05	0.392
9	30.05	0.425
26	30.03	0.556
78	30.01	0.686
Std Dev	29.96	1.000
78	29.95	1.046
45	29.70	2.680
45	29.53	3.791
60	29.45	4.314

204	Automated -AOAC 978.01-15th	
Lab	% P2O5	
21	30.46	-3.839
Std Dev	30.26	-1.000
13	30.26	-0.942
15	30.26	-0.942
13	30.21	-0.217
21	30.21	-0.217
15	30.20	0.000
Median	30.20	0.000
75	30.18	0.290
24	30.16	0.507
Std Dev	30.13	1.000
24	30.13	1.014
75	30.08	1.666
77	29.81	5.577

205	Other(describe)	
Lab	% P2O5	
19	29.73	0.000
Median	29.73	0.000

211	Gravimetric AFPC IX.3.B	
Lab	% P2O5	dB
77	30.51	-1.340
Std Dev	30.45	-1.000
Median	30.25	0.000
Std Dev	30.05	1.000
55	29.98	1.340

212	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	% P2O5	dB
10	30.45	-2.531
Std Dev	30.38	-1.000
10	30.34	0.000
Median	30.34	0.000
266	30.33	0.149

213	Photometric-AFPC IX.3.C	
Lab	% P2O5	dB
49	30.59	-1.596
52	30.55	-1.274
Std Dev	30.51	-1.000
49	30.50	-0.964
30	30.49	-0.878
6	30.42	-0.380
9	30.39	-0.187
Median	30.36	0.000
35	30.34	0.187
6	30.32	0.273
35	30.31	0.359
69	30.26	0.685
26	30.24	0.832
9	30.23	0.924

214	Automated -AOAC 978.01-15th		
Lab	% P2O5		dB
21	30.71		-4.400
13	30.50		-1.221
Std Dev	30.49		-1.000
15	30.48		-0.836
21	30.44		-0.288
15	30.43		-0.003
13	30.43		0.000
Median	30.43		0.000
24	30.41		0.189
24	30.38		0.717
75	30.37		0.839
Std Dev	30.36		1.000
75	30.29		2.168
77	29.87		8.658

215	Other(describe)		
Lab	% P2O5		dB
Median	0.00		0.000

301	Atomic Absorption-AFPC IX.6.B	
Lab	% Fe2O3	
60	0.93	-1.340
Std Dev	0.91	-1.000
Median	0.85	0.000
Std Dev	0.80	1.000
55	0.78	1.340

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	% Fe2O3	
35	1.04	-6.253
35	1.03	-5.807
78	1.00	-4.467
266	0.99	-4.020
78	0.99	-3.797
75	0.95	-2.250
Std Dev	0.92	-1.000
75	0.92	-0.922
52	0.92	-0.893

9	0.91	-0.447
51	0.91	-0.447
10	0.90	0.000
10	0.90	0.000
15	0.90	0.000
21	0.90	0.000
49	0.90	0.000
Median	0.90	0.000
6	0.90	0.223
15	0.90	0.223
21	0.90	0.223
45	0.89	0.447
45	0.89	0.447
51	0.89	0.447
92	0.89	0.447
6	0.89	0.670
13	0.89	0.670
Std Dev	0.88	1.000
13	0.88	1.117
49	0.87	1.340
9	0.86	1.787
92	0.85	2.233
24	0.78	5.360

303 Other(describe)

Lab	%	Fe2O3
77	1.05	-0.571
77	1.04	-0.483
Median	0.99	0.000
19	0.93	0.483
Std Dev	0.87	1.000
69	0.77	1.889

401 Atomic Absorption-AFPC IX.6.B

Lab	%	Al2O3
30	1.29	-1.340
Std Dev	1.26	-1.000
Median	1.17	0.000
Std Dev	1.08	1.000
55	1.05	1.340

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

Lab	%	Al2O3
51	1.76	-2.764

52	1.76	-2.764
266	1.72	-2.540
51	1.66	-2.205
35	1.60	-1.870
35	1.58	-1.759
78	1.58	-1.731
78	1.52	-1.396
Std Dev	1.44	-1.000
92	1.38	-0.642
92	1.36	-0.530
75	1.32	-0.290
15	1.32	-0.279
75	1.29	-0.151
24	1.29	-0.140
49	1.27	-0.028
Median	1.27	0.000
6	1.26	0.028
10	1.26	0.028
21	1.26	0.028
6	1.26	0.056
9	1.26	0.056
15	1.25	0.084
13	1.25	0.112
10	1.24	0.140
21	1.24	0.140
49	1.24	0.140
13	1.22	0.251
45	1.22	0.251
9	1.21	0.307
45	1.21	0.307
Std Dev	1.09	1.000
69	0.75	2.903

403 Other(describe)

Lab	%	Al2O3
77	1.62	-0.107
77	1.61	0.000
Median	1.61	0.000
Std Dev	1.52	1.000
19	1.37	2.573

501 Atomic Absorption-AFPC IX.8.A

Lab	%	MgO
35	0.52	-0.766

35	0.50	-0.255
Median	0.49	0.000
55	0.48	0.255
Std Dev	0.45	1.000
60	0.37	3.063

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

Lab	%	MgO
49	0.40	-1.649
Std Dev	0.39	-1.000
9	0.39	-0.825
9	0.39	-0.825
10	0.39	-0.825
21	0.39	-0.825
78	0.39	-0.825
92	0.39	-0.825
6	0.39	-0.412
13	0.39	-0.412
13	0.39	-0.412
24	0.39	-0.412
49	0.39	-0.412
10	0.38	0.000
15	0.38	0.000
15	0.38	0.000
45	0.38	0.000
45	0.38	0.000
51	0.38	0.000
78	0.38	0.000
266	0.38	0.000
Median	0.38	0.000
21	0.37	0.825
92	0.37	0.825
Std Dev	0.37	1.000
6	0.36	1.443
52	0.36	1.649
51	0.35	2.474
75	0.35	2.549
75	0.34	2.925
69	0.34	3.298

503 Other(describe)

Lab	%	MgO
77	0.47	-0.574
77	0.44	0.000

Median	0.44	0.000
Std Dev	0.39	1.000
19	0.33	2.106

601 Insoluble-AFPC IX.4.A

Lab	%	Al
45	11.53	-2.233
45	11.51	-1.978
21	11.50	-1.850
10	11.48	-1.595
51	11.46	-1.340
Std Dev	11.43	-1.000
51	11.41	-0.702
55	11.40	-0.574
69	11.40	-0.574
24	11.40	-0.510
49	11.40	-0.510
49	11.39	-0.447
15	11.36	0.000
24	11.36	0.000
Median	11.36	0.000
9	11.34	0.255
10	11.32	0.447
30	11.32	0.447
35	11.31	0.574
9	11.29	0.830
15	11.29	0.893
Std Dev	11.28	1.000
13	11.25	1.340
26	11.12	2.942
21	11.11	3.127
13	11.11	3.190

602 Other(describe)

Lab	%	Al
19	12.36	-2.584
Std Dev	11.93	-1.000
266	11.70	-0.173
Median	11.65	0.000
6	11.61	0.173
Std Dev	11.38	1.000
6	11.18	1.735

651	Gasometric-AFPC IX.13.B	
Lab	%	CO2
52	3.70	-1.550
13	3.67	-1.356
Std Dev	3.61	-1.000
6	3.61	-0.969
13	3.58	-0.775
6	3.55	-0.581
24	3.54	-0.484
30	3.51	-0.323
77	3.49	-0.194
Median	3.46	0.000
15	3.43	0.194
15	3.40	0.387
9	3.35	0.710
9	3.35	0.710
21	3.35	0.710
Std Dev	3.31	1.000
21	3.29	1.098
49	2.99	3.067
49	2.66	5.166

652	Other(describe)	
Lab	%	CO2
35	6.00	-11.873
Std Dev	4.11	-1.000
55	4.05	-0.634
78	3.98	-0.202
78	3.94	0.000
Median	3.94	0.000
51	3.82	0.692
Std Dev	3.77	1.000
51	3.74	1.153
266	2.66	7.377

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
51	46.14	-7.123
51	46.00	-6.680
21	44.61	-2.269
69	44.44	-1.747
92	44.38	-1.557
21	44.25	-1.131
Std Dev	44.20	-1.000
45	44.17	-0.893
49	44.15	-0.830
10	44.12	-0.735
49	44.12	-0.719
6	44.05	-0.498
92	43.89	-0.008
Median	43.89	0.000
13	43.89	0.008
6	43.87	0.055
13	43.87	0.055
10	43.87	0.055
9	43.83	0.182
9	43.81	0.245
52	43.63	0.814
Std Dev	43.57	1.000
78	43.34	1.731
45	43.32	1.795
78	43.08	2.554
75	42.34	4.906
75	41.24	8.382

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

704	Permanganate	
Lab	%	CaO
30	44.29	-1.340
Std Dev	44.18	-1.000
Median	43.85	0.000
Std Dev	43.51	1.000
60	43.40	1.340

705	EDTA Volumetric-AFPC IX.12.C	
Lab	%	CaO
266	43.72	0.000
Median	43.72	0.000

706	Other(describe)	
Lab	%	CaO
55	44.30	-0.959
15	44.23	-0.719
15	44.15	-0.428
77	44.10	-0.274
Median	44.02	0.000
24	43.94	0.274
77	43.80	0.753
Std Dev	43.73	1.000
19	43.70	1.096
24	43.45	1.952

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
21	44.97		-2.993
69	44.76		-2.160
21	44.59		-1.493
49	44.50		-1.132
Std Dev	44.46		-1.000
49	44.45		-0.939
10	44.43		-0.852
6	44.37		-0.646
13	44.22		-0.049
Median	44.21		0.000
13	44.20		0.049
6	44.18		0.118
10	44.18		0.127
9	44.13		0.322
9	44.10		0.445
Std Dev	43.96		1.000
52	43.93		1.119
75	42.63		6.271
75	41.51		10.711

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

714	Permanganate		
Lab	%	CaO	dB
30	44.60		0.000
Median	44.60		0.000

715	EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO	dB
266	44.07		0.000
Median	44.07		0.000

716	Other(describe)		
Lab	%	CaO	dB
15	44.55		-0.712
55	44.50		-0.561
15	44.48		-0.510
24	44.31		0.000
Median	44.31		0.000
77	44.19		0.356
Std Dev	43.98		1.000
77	43.89		1.253
24	43.82		1.481

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
51	3.98	-4.020
51	3.91	-3.443
Std Dev	3.61	-1.000
26	3.59	-0.763
35	3.58	-0.722
21	3.57	-0.598
9	3.56	-0.557
24	3.54	-0.392
69	3.54	-0.392
6	3.52	-0.247
9	3.51	-0.144
6	3.50	-0.062
35	3.50	-0.062
15	3.50	-0.021
Median	3.49	0.000
30	3.49	0.021
21	3.47	0.227
15	3.44	0.433
52	3.44	0.433

13	3.42	0.598
49	3.39	0.886
24	3.38	0.969
Std Dev	3.37	1.000
13	3.37	1.010
266	3.36	1.093
49	3.28	1.752
75	3.24	2.082
75	3.19	2.536
55	2.85	5.298

803	Oher(describe)	
Lab	%	Fluorine, F
19	3.61	-2.436
Std Dev	3.49	-1.000
77	3.41	0.000
Median	3.41	0.000
77	3.39	0.244

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
Median	0.0	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
78	11.9	-2.903
78	9.6	-1.154
Std Dev	9.3	-1.000
35	9.0	-0.744
24	8.6	-0.447
35	8.0	0.000
51	8.0	0.000
Median	8.0	0.000
51	7.0	0.744
52	7.0	0.744
77	7.0	0.744
Std Dev	6.7	1.000
266	3.5	3.350
69	0.0	5.956

913	Other(describe)	
Lab	ppm	Arsenic, As
13	7.7	-1.340
Std Dev	7.6	-1.000
Median	7.3	0.000
Std Dev	7.1	1.000
77	7.0	1.340

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	5	0.000
Median	5	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
51	7	-1.340
Std Dev	7	-1.000
78	7	-0.797
78	7	-0.737
45	6	0.000
45	6	0.000
51	6	0.000
52	6	0.000
75	6	0.000
Median	6	0.000
75	6	0.536
266	5	0.965
Std Dev	5	1.000
35	5	1.340
77	5	1.340
77	5	1.340
24	4	2.211
35	4	2.680

923	Other(describe)	
Lab	ppm	Cadmium, Cd
13	5	-1.340
Std Dev	5	-1.000
Median	5	0.000
Std Dev	5	1.000
69	5	1.340

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	12	0.000
Median	12	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	41	-1.996
78	40	-1.942
Std Dev	31	-1.000
24	28	-0.602
35	27	-0.538
35	26	-0.430
266	25	-0.343
Median	22	0.000
75	19	0.343
75	15	0.748
77	15	0.759
45	14	0.867
45	13	0.975
Std Dev	13	1.000
77	11	1.191

933	Other(describe)	
Lab	ppm	Cobalt, Co
69	25	-1.340
Std Dev	23	-1.000
Median	18	0.000
Std Dev	13	1.000
13	11	1.340

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
Median	0.0	0.000

942	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
266	0.1	-2.680
Std Dev	0.0	-1.000
35	0.0	0.000
35	0.0	0.000
Median	0.0	0.000

943	Other(describe)	
Lab	ppm	Mercury, Hg
13	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

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

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	lolybdenum, Mo
45	33	-3.469
45	32	-3.197
Std Dev	24	-1.000
78	21	-0.231
78	21	-0.095
Median	20	0.000
266	20	0.095
77	19	0.340
24	19	0.449
Std Dev	17	1.000
77	16	1.156

953	Other(describe)	
Lab	ppm	lolybdenum, Mo
69	21	-1.340
Std Dev	20	-1.000
Median	20	0.000
Std Dev	20	1.000
13	20	1.340

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	21	0.000
Median	21	0.000

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
35	30	-2.384
35	28	-1.596
Std Dev	26	-1.000
78	26	-0.611
78	25	-0.414
77	24	-0.020
75	24	0.000
Median	24	0.000

75	23	0.355
24	23	0.493
Std Dev	21	1.000
52	21	1.163
77	20	1.557
266	19	2.030

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	30	-2.613
Std Dev	25	-1.000
69	21	0.000
Median	21	0.000
13	21	0.067

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
55	7	0.000
Median	7	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
51	13	-1.030
Std Dev	13	-1.000
35	12	-0.748
51	12	-0.748
35	11	-0.465
266	11	-0.437
Median	9	0.000
78	8	0.437
77	7	0.663
77	7	0.663
24	7	0.790
78	7	0.790

973	Other(describe)	
Lab	ppm	Lead, Pb
69	16	-1.340
Std Dev	15	-1.000
Median	13	0.000
Std Dev	12	1.000
13	11	1.340

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
77	3	-1.340
Std Dev	3	-1.000
Median	1	0.000
Std Dev	0	1.000
266	0	1.340

983	Other(describe)	
Lab	ppm	Selenium, Se
13	2	-1.340
Std Dev	2	-1.000
Median	1	0.000
Std Dev	0	1.000
69	0	1.340

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
60	106	-1.340
Std Dev	101	-1.000
Median	86	0.000
Std Dev	71	1.000
55	66	1.340

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
24	120	-6.325
78	74	-1.079
Std Dev	73	-1.000
78	73	-0.965
75	70	-0.659
75	67	-0.284
52	66	-0.227
35	64	0.000
Median	64	0.000
77	62	0.227
35	61	0.341
45	58	0.681
45	58	0.681
266	57	0.818
Std Dev	55	1.000
77	55	1.022

993	Other(describe)	
Lab	ppm	Zinc, Zn
19	65	-0.746
69	61	-0.035
Median	61	0.000
13	60	0.035
Std Dev	55	1.000
19	35	4.403