AFPC Rock Check Program

Sample No. 2018-04

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	0.68	0.082
Other (describe)	102	1	0.65	
Method Group 100		29	0.67	0.06
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	29.50	0.122
ICP-inducted coupled plasma AFPC IX.3.D	202			
Photometric-AFPC IX.3.C	203	18	29.52	0.133
Automated -AOAC 978.01-15th	204	11	29.46	0.080
Other(describe)	205	4	28.99	0.157
Method Group 200		37	29.48	0.15
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	29.64	0.003
ICP-inducted coupled plasma AFPC IX.3.D	212			
Photometric-AFPC IX.3.C	213	12	29.72	0.158
Automated -AOAC 978.01-15th	214	11	29.62	0.121
Other(describe)	215	2	29.18	0.003
Method Group 210		27	29.64	0.14
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	1	0.83	0.000
ICP-inducted coupled plasma-AFPC IX.6.C	302	28	1.05	0.042
Other(describe)	303	7	1.16	0.119
Method Group 300		36	1.06	0.06
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	1	0.68	0.000
ICP-inducted coupled plasma-AFPC IX.7.C	402	28	1.32	0.136
Other(describe)	403	7	1.81	0.377
Method Group 400		36	1.35	0.17
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.32	0.000
ICP-inducted coupled plasma-AFPC IX.8.B	502	26	0.41	0.014
Other(describe)	503	7	0.40	0.027
Method Group 500		34	0.41	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	22	12.93	0.128
Other(describe)	602	3	12.98	0.168
Method Group 600		25	12.95	0.12
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	3.29	0.147
Other(describe)	652	8	3.55	0.614
Method Group 650		23	3.35	0.22
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	21	42.75	0.284
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	43.28	0.000
EDTA Volumetric-AFPC IX.12.C	705			
Other(describe)	706	12	43.11	0.312
Method Group 700		34	42.89	0.45
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	15	43.06	0.267
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	43.55	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	9	43.39	0.130
Method Group 710		24	43.24	0.32

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	23	3.35	0.112
Oher(describe)	803	6	3.45	0.047
Method Group 800		29	3.39	0.13
Arsenic, As				
Atomic Absorption	911	1	1.5	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	10	10.9	2.28
Other(describe)	913	5	9.0	0.07
Method Group 900		16	9.0	1.90
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	4	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	16	3	1.1
Other(describe)	923	3	6	0.8
Method Group 910		20	3	1.6
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	29	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	11	19	8.5
Other(describe)	933	3		4.7
Method Group 920		15	16	9.5
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.8	0.00
ICP-inducted coupled plasma-AFPC IX.16.A	942	4	26.0	39.18
Other(describe)	943	1	0.1	0.00
Method Group 930		6	0.5	29.23
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	8	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	9	23	0.8
Other(describe)	953	1	25	0.0
Method Group 940		11	23	6.8
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	25	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	962	12	23	4.3
Other(describe)	963	4	29	2.3
Method Group 950		17	23	4.7
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	2	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	13	21	1.6
Other(describe)	973	3	37	5.7
Method Group 960		17	21	4.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981	1	17	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	982	1		0.0
Other(describe)	983	5	3	5.2
Method Group 970		7	3	5.2
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	42	0
ICP-inducted coupled plasma-AFPC IX.16.A	992	12	43	10
Other(describe)	993	5	43	23
Method Group 980		18	43	11

101	Ground Sample AFPC IX.2.A	
Lab	% H_2O	
55	0.98	-3.715
15	0.93	-3.045
15	0.93	-3.045
69	0.78	-1.279
Std Dev	0.76	-1.000
49	0.74	-0.792
49	0.74	-0.731
10	0.71	-0.426
10	0.70	-0.305
21	0.70	-0.244
21	0.69	-0.183
24	0.69	-0.122
24	0.69	-0.122
35	0.68	-0.061
26	0.68	-0.061
Median	0.68	0.000
13	0.67	0.061
20	0.66	0.183
9	0.64	0.487
30	0.63	0.548
52	0.63	0.548
9	0.63	0.609
13	0.62	0.731
Std Dev	0.59	1.000
75	0.53	1.827
275	0.50	2.132
75	0.46	2.619
275	0.38	3.594
77	0.31	4.446
77	0.26	5.055
35	0.23	5.421

102	Other (describe)	
Lab	% H_2O	
20	0.65	0.000
Median	0.65	0.000

201	Gravimetric AFPC IX.3.B	
Lab	% P2O5	
65	29.75	-2.066
Std Dev	29.62	-1.000
77	29.54	-0.348
Median	29.50	0.000
56	29.46	0.348
Std Dev	29.38	1.000
55	29.35	1.207

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

203	Photometric-AFPC IX.3.C	
Lab	% P2O5	
10	29.65	-0.993
30	29.65	-0.993
35	29.62	-0.768
69	29.59	-0.543
51	29.57	-0.394
92	29.57	-0.394
10	29.56	-0.319
92	29.55	-0.244
49	29.53	-0.056
Median	29.52	0.000
51	29.51	0.056
26	29.49	0.206
49	29.49	0.244
9	29.44	0.581
Std Dev	29.38	1.000
9	29.38	1.068
78	29.34	1.331
78	29.33	1.406
52	29.20	2.380
35	28.82	5.229

204	Automated -AOAC 978.01-15th	
Lab	% P2O5	
24	29.73	-3.303
77	29.66	-2.493
24	29.57	-1.371
Std Dev	29.54	-1.000
15	29.48	-0.249
15	29.48	-0.187
75	29.46	0.000
Median	29.46	0.000
75	29.43	0.374
13	29.42	0.499
21	29.42	0.561
Std Dev	29.38	1.000
21	29.37	1.184
13	29.25	2.618

205	Other(describe)	
Lab	% P2O5	
56	29.79	-5.137
Std Dev	29.14	-1.000
20	28.99	-0.032
Median	28.99	0.000
19	28.98	0.032
20	28.98	0.032

211	Gravimetric AFPC IX.3.B		
Lab	% P2O5	dB	
55	29.64	-1.340	
Std Dev	29.64	-1.000	
Median	29.64	0.000	
Std Dev	29.63	1.000	
77	29.63	1.340	

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

213	Photometric-AFPC IX.3.C		
Lab	% P2O5	dB	
10	29.86	-0.854	
30	29.84	-0.720	
35	29.82	-0.624	
69	29.82	-0.623	
10	29.77	-0.299	
49	29.75	-0.132	
Median	29.72	0.000	
49	29.70	0.132	
26	29.69	0.205	
9	29.63	0.608	
Std Dev	29.57	1.000	
9	29.56	1.041	
52	29.39	2.147	
35	28.89	5.305	

214	Automated -AOAC 978.01-15th		
Lab	% P2O5	dB	
24	29.93	-2.558	
24	29.77	-1.266	
15	29.76	-1.112	
15	29.75	-1.070	
Std Dev	29.74	-1.000	
77	29.74	-0.963	
21	29.62	0.000	
Median	29.62	0.000	
13	29.62	0.020	
75	29.60	0.205	
75	29.59	0.294	
21	29.57	0.429	
Std Dev	29.50	1.000	
13	29.43	1.571	

215	Other(describe)		
Lab	% P2O5	dB	
20	29.18	-1.340	
Std Dev	29.18	-1.000	
Median	29.18	0.000	
Std Dev	29.17	1.000	
20	29.17	1.340	

301	Atomic Absorption-AFPC IX.6.B	
Lab	% Fe2O3	
55	0.83	0.000
Median	0.83	0.000

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	% Fe2O3	
35	1.37	-7.623
78	1.29	-5.717
78	1.24	-4.407
35	1.20	-3.573
Std Dev	1.09	-1.000
51	1.09	-0.953
15	1.08	-0.715
15	1.08	-0.715
13	1.08	-0.596
92	1.07	-0.476
10	1.06	-0.238
49	1.06	-0.238

51	1.06	-0.238
92	1.06	-0.238
9	1.05	0.000
10	1.05	0.000
275	1.05	0.000
275	1.05	0.000
Median	1.05	0.000
9	1.05	0.119
49	1.03	0.476
13	1.03	0.596
21	1.02	0.715
24	1.02	0.715
Std Dev	1.01	1.000
75	1.00	1.275
21	0.99	1.429
69	0.96	2.075
75	0.94	2.524
24	0.94	2.740
52	0.75	7.147

303 Other(describe)

Lab	%	Fe2O3
77	1.33	-1.466
77	1.28	-1.047
Std Dev	1.27	-1.000
56	1.18	-0.209
65	1.16	0.000
Median	1.16	0.000
19	1.12	0.293
Std Dev	1.04	1.000
20	1.02	1.131
20	1.00	1.298

401 Atomic Absorption-AFPC IX.6.B

Lab	%	Al2O3
55	0.68	0.000
Median	0.68	0.000

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

Lab	%	Al2O3
78	1.85	-3.892
78	1.79	-3.414
35	1.71	-2.864
35	1.62	-2.203
51	1.48	-1.175
92	1.48	-1.175
92	1.47	-1.101
51	1.46	-1.028
Std Dev	1.46	-1.000
275	1.41	-0.661
69	1.36	-0.315
75	1.35	-0.245
275	1.35	-0.220
24	1.35	-0.184
49	1.33	-0.073
Median	1.32	0.000
49	1.31	0.073
75	1.31	0.106
24	1.31	0.110
10	1.30	0.147
9	1.30	0.184
9	1.29	0.220
10	1.28	0.294
21	1.28	0.294
13	1.27	0.404
15	1.26	0.441
15	1.26	0.441
21	1.26	0.477
13	1.22	0.771
Std Dev	1.18	1.000
52	1.10	1.615

403 Other(describe)

Lab	%	Al2O3
65	2.09	-0.738
77	2.02	-0.557
77	2.01	-0.531
56	1.81	0.000
Median	1.81	0.000
19	1.62	0.504
Std Dev	1.43	1.000
20	1.40	1.088
20	1.36	1.194

501 Atomic Absorption-AFPC IX.8.A

Lab	%	MgO
55	0.32	0.000
Median	0.32	0.000

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

Lab	%	MgO
35	0.47	-4.239
35	0.46	-3.533
92	0.43	-1.413
49	0.43	-1.060
Std Dev	0.42	-1.000
15	0.42	-0.707
15	0.42	-0.707
49	0.42	-0.707
92	0.42	-0.707
13	0.42	-0.353
9	0.41	0.000
10	0.41	0.000
10	0.41	0.000
13	0.41	0.000
21	0.41	0.000
24	0.41	0.000
51	0.41	0.000
Median	0.41	0.000
75	0.41	0.156
78	0.41	0.353
75	0.40	0.414
9	0.40	0.707
78	0.40	0.707
Std Dev	0.40	1.000
21	0.39	1.413
24	0.39	1.413
69	0.39	1.699
51	0.38	2.120
52	0.22	13.424

503 Other(describe)

Lab	%	MgO
77	0.46	-2.233
56	0.43	-1.117
Std Dev	0.43	-1.000
65	0.41	-0.447
20	0.40	0.000
Median	0.40	0.000
20	0.39	0.372
77	0.38	0.744
Std Dev	0.37	1.000
19	0.37	1.117

601 Insoluble-AFPC IX.4.A

Lab	%	Al
24	13.12	-1.467
24	13.10	-1.272
21	13.07	-1.037
Std Dev	13.06	-1.000
15	13.04	-0.802
15	13.01	-0.606
49	13.01	-0.567
9	13.00	-0.528
30	12.99	-0.450
9	12.99	-0.411
51	12.96	-0.215
49	12.95	-0.098
Median	12.93	0.000
21	12.92	0.098
10	12.90	0.254
13	12.88	0.450
51	12.86	0.567
35	12.84	0.724
10	12.83	0.802
13	12.83	0.841
26	12.82	0.919
Std Dev	12.80	1.000
55	12.40	4.167
35	12.27	5.184
69	3.40	74.590

602 Other(describe)

Lab	%	Al
19	13.38	-2.382
Std Dev	13.15	-1.000
275	12.98	0.000
Median	12.98	0.000
275	12.93	0.298

651 Gasometric-AFPC IX.13.B

Lab	%	CO2
69	6.83	-24.018
77	4.22	-6.310
49	3.52	-1.527
Std Dev	3.44	-1.000

49	3.44	-0.984
9	3.35	-0.407
24	3.34	-0.339
30	3.33	-0.271
21	3.29	0.000
21	3.29	0.000
Median	3.29	0.000
13	3.26	0.237
24	3.24	0.339
13	3.15	0.950
Std Dev	3.14	1.000
9	3.14	1.018
15	2.79	3.426
15	2.78	3.494

652 Other(describe)

Lab	%	CO2	
35	6.03		-4.049
35	6.00		-4.000
Std Dev	4.16		-1.000
51	3.73		-0.301
51	3.60		-0.090
Median	3.55		0.000
20	3.49		0.090
20	3.49		0.090
56	3.43		0.187
55	3.26		0.464

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	
69	45.99		-11.443
75	45.63		-10.184
51	43.71		-3.403
51	43.60		-3.015
75	43.23		-1.693
Std Dev	43.03		-1.000
10	42.96		-0.758
49	42.95		-0.705
21	42.92		-0.617
21	42.86		-0.406
13	42.78		-0.106
13	42.75		0.000
Median	42.75		0.000
49	42.71		0.123
10	42.64		0.370
9	42.61		0.494
92	42.59		0.547
92	42.58		0.582
9	42.51		0.846
Std Dev	42.46		1.000
35	41.50		4.390
35	41.32		5.025
78	38.20		16.045
78	37.80		17.438

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	
Median	0.00		0.000

704 Permanganate

Lab	%	CaO	
30	43.28		0.000
Median	43.28		0.000

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	
Median	0.00		0.000

706 Other(describe)

Lab	%	CaO	
15	43.40		-0.915
15	43.23		-0.369
77	43.20		-0.289
77	43.20		-0.289
20	43.12		-0.016
20	43.11		0.000
56	43.11		0.000
Median	43.11		0.000
55	43.06		0.160
24	42.84		0.883
Std Dev	42.80		1.000
24	42.63		1.557
19	42.56		1.765
65	41.44		5.360

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
69	46.35		-12.296
75	45.87		-10.510
75	43.42		-1.351
Std Dev	43.33		-1.000
10	43.27		-0.762
49	43.26		-0.746
21	43.22		-0.578
21	43.16		-0.361
13	43.06		0.000
Median	43.06		0.000
49	43.03		0.131
13	43.01		0.202
10	42.94		0.460
9	42.87		0.713
Std Dev	42.80		1.000
9	42.78		1.073
35	41.60		5.462
35	41.60		5.489

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
30	43.55		0.000
Median	43.55		0.000

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
Median	0.00		0.000

716 Other(describe)

Lab	%	CaO	dB
15	43.80		-3.151
15	43.63		-1.826
Std Dev	43.52		-1.000
55	43.49		-0.727
20	43.40		-0.073
20	43.39		0.000
Median	43.39		0.000
77	43.33		0.446
77	43.31		0.613
Std Dev	43.26		1.000
24	43.13		2.020
24	42.92		3.652

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	
69	3.94		-5.271
24	3.62		-2.412
24	3.58		-2.010
35	3.47		-1.072
Std Dev	3.46		-1.000
35	3.44		-0.804
9	3.43		-0.670
9	3.42		-0.581
21	3.41		-0.491
13	3.40		-0.402
15	3.40		-0.402
15	3.39		-0.313
51	3.35		0.000
Median	3.35		0.000
13	3.35		0.045
49	3.33		0.179
49	3.33		0.179
21	3.29		0.536
30	3.27		0.715
51	3.27		0.715
Std Dev	3.24		1.000
75	3.21		1.295
52	3.20		1.340
55	3.20		1.340
26	3.15		1.831
75	3.14		1.921

803	Oher(describe)	
Lab	%	Fluorine, F
77	3.47	-0.536
20	3.45	-0.107
20	3.45	-0.107
Median	3.45	0.000
77	3.44	0.107
Std Dev	3.40	1.000
65	3.37	1.608
19	2.72	15.544

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	1.5	0.000
Median	1.5	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
69	14.4	-1.564
Std Dev	13.2	-1.000
24	12.3	-0.604
51	12.0	-0.494
24	11.9	-0.450
51	11.0	-0.055
Median	10.9	0.000
78	10.8	0.055
35	9.0	0.824
52	8.9	0.868
Std Dev	8.6	1.000
35	8.0	1.263
78	7.8	1.373

913	Other(describe)	
Lab	ppm	Arsenic, As
13	9.5	-6.030
Std Dev	9.1	-1.000
20	9.0	0.000
77	9.0	0.000
Median	9.0	0.000
Std Dev	8.9	1.000
20	8.9	1.340
77	8.0	13.400

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	4	0.000
Median	4	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
51	6	-2.584
78	6	-2.223
78	5	-2.057
51	5	-1.683
75	4	-1.007
75	4	-1.007
Std Dev	4	-1.000
275	3	-0.320
275	3	-0.119
Median	3	0.000
35	3	0.119
35	3	0.119
77	3	0.119
77	3	0.119
24	3	0.299
24	3	0.299
69	3	0.479
52	2	0.840

923	Other(describe)	
Lab	ppm	Cadmium, Cd
20	6	-0.255
20	6	0.000
Median	6	0.000
Std Dev	5	1.000
13	4	2.425

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	29	0.000
Median	29	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	43	-2.833
78	42	-2.715
Std Dev	27	-1.000
24	24	-0.549
24	23	-0.478
35	21	-0.236
35	19	0.000
Median	19	0.000
69	16	0.393
77	13	0.708
77	11	0.944
Std Dev	11	1.000
75	10	1.045
75	8	1.293

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	13	-2.680
Std Dev	5	-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	0.8	0.000
Median	0.8	0.000

942	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
24	54.0	-0.715
24	52.0	-0.664
Median	26.0	0.000
35	0.0	0.664
69	0.0	0.664

943	Other(describe)	
Lab	ppm	Mercury, Hg
13	0.1	0.000
Median	0.1	0.000

951	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Molybdenum, Mo
55	8	0.000
Median	8	0.000

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Iolybdenum, Mo
78	32	-11.039
78	31	-10.210
Std Dev	24	-1.000
24	23	-0.191
77	23	-0.128
69	23	0.000
Median	23	0.000
24	23	0.128
Std Dev	22	1.000
77	22	1.149
20	6	21.185
20	6	21.568

953	Other(describe)	
Lab	ppm	Iolybdenum, Mo
13	25	0.000
Median	25	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
78	34	-2.421
78	33	-2.190
Std Dev	27	-1.000
35	26	-0.692
24	25	-0.519
24	23	-0.046
35	23	0.000
77	23	0.000
77	23	0.000
Median	23	0.000
75	20	0.680
Std Dev	19	1.000
75	18	1.072
69	16	1.667
52	15	1.960

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	31	-1.094
Std Dev	31	-1.000
20	29	-0.219
Median	29	0.000
20	28	0.219
Std Dev	26	1.000
13	22	2.953

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
55	2	0.000
Median	2	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
35	26	-3.221
78	26	-3.221
78	26	-2.996
Std Dev	23	-1.000
275	22	-0.696
35	22	-0.644
51	21	0.000
77	21	0.000
77	21	0.000
Median	21	0.000
275	20	0.417
51	20	0.644
Std Dev	19	1.000
69	15	4.188
24	10	6.958
24	7	9.116

973	Other(describe)	
Lab	ppm	Lead, Pb
20	38	-0.175
20	37	0.000
Median	37	0.000
Std Dev	31	1.000
13	23	2.505

981	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Selenium, Se
55	17	0.000
Median	17	0.000

982	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
69	0	0.000
Median	0	0.000

983	Other(describe)	
Lab	ppm	Selenium, Se
20	8	-0.913
20	8	-0.913
13	3	0.000
Median	3	0.000
77	1	0.427
77	1	0.427

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
55	42	0.000
Median	42	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
24	59	-1.642
78	57	-1.364
78	55	-1.169
Std Dev	53	-1.000
35	51	-0.828
24	49	-0.614
35	45	-0.244
Median	43	0.000
77	40	0.244
52	39	0.341
75	39	0.390
77	37	0.536
75	35	0.687
Std Dev	32	1.000
69	27	1.492

993	Other(describe)	
Lab	ppm	Zinc, Zn
20	73	-1.297
20	73	-1.297
Std Dev	66	-1.000
19	43	0.000
Median	43	0.000
19	42	0.043
13	34	0.398