AFPC Rock Check Program

Sample No. 2018-05

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	27	0.70	0.075
Other (describe)	102	2	0.67	0.011
Method Group 100		29	0.69	0.07
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	27.87	0.165
ICP-inducted coupled plasma AFPC IX.3.D	202			
Photometric-AFPC IX.3.C	203	18	27.96	0.057
Automated -AOAC 978.01-15th	204	11	27.83	0.104
Other(describe)	205	4	27.43	6.277
Method Group 200		37	27.93	0.13
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.04	0.000
ICP-inducted coupled plasma AFPC IX.3.D	212			
Photometric-AFPC IX.3.C	213	12	28.17	0.023
Automated -AOAC 978.01-15th	214	11	28.02	0.099
Other(describe)	215	2	27.61	0.018
Method Group 210		27	28.10	0.13
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	1	0.44	0.000
ICP-inducted coupled plasma-AFPC IX.6.C	302	25	0.56	0.045
Other(describe)	303	8	0.60	0.057
Method Group 300		34	0.56	0.05
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	1	0.58	0.000
ICP-inducted coupled plasma-AFPC IX.7.C	402	26	0.86	0.140
Other(describe)	403	7	1.68	0.422
Method Group 400		34	0.87	0.33
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.33	0.000
ICP-inducted coupled plasma-AFPC IX.8.B	502	26	0.40	0.032
Other(describe)	503	7	0.39	0.015
Method Group 500		34	0.39	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	22	12.88	0.326
Other(describe)	602	1	12.92	0.000
Method Group 600		23	12.89	0.32
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	16	3.85	0.215
Other(describe)	652	8	4.70	1.498
Method Group 650		24	3.88	0.35
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	21	42.50	0.597
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.57	0.000
EDTA Volumetric-AFPC IX.12.C	705	2	42.51	0.078
Other(describe)	706	12	42.44	0.549
Method Group 700		36	42.53	0.51
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	15	42.85	0.477
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	42.86	0.000
EDTA Volumetric-AFPC IX.12.C	715	2	42.70	0.074
Other(describe)	716	9	42.96	0.453
Method Group 710		26	42.82	0.43

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	23	2.87	0.062
Oher(describe)	803	6	2.93	0.087
Method Group 800		29	2.88	0.07
Arsenic, As				
Atomic Absorption	911	1	1.2	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	10	10.3	2.38
Other(describe)	913	5	9.6	0.52
Method Group 900		16	9.7	2.29
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	84	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	15	77	11.3
Other(describe)	923	4	74	2.0
Method Group 910		20	76	8.4
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	5	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	10	1	1.5
Other(describe)	933	4		0.4
Method Group 920		15	1	1.5
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.2	0.00
ICP-inducted coupled plasma-AFPC IX.16.A	942	4	160.5	239.46
Other(describe)	943	2	0.9	0.68
Method Group 930		7	0.5	120.02
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-inducted coupled plasma-AFPC IX.16.A	952	8	14	3.3
Other(describe)	953	2	15	0.2
Method Group 940		10	15	1.2
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	107	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	962	13	100	14.9
Other(describe)	963	6	101	11.3
Method Group 950		20	100	12.8
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	36	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	12	7	1.5
Other(describe)	973	4	17	9.9
Method Group 960		17	8	2.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982			
Other(describe)	983	6	15	8.2
Method Group 970		6	15	8.2
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	708	0
ICP-inducted coupled plasma-AFPC IX.16.A	992	13	894	53
Other(describe)	993	6	895	52
Method Group 980		20	887	50

101	Ground Sample AFPC IX.2.A	
Lab	%	H_2O
52	0.95	-3.350
55	0.84	-1.876
10	0.83	-1.742
10	0.83	-1.742
15	0.78	-1.005
21	0.78	-1.005
Std Dev	0.77	-1.000
24	0.77	-0.938
21	0.75	-0.670
26	0.75	-0.603
13	0.74	-0.536
49	0.74	-0.469
15	0.73	-0.402
13	0.71	-0.134
35	0.70	0.000
Median	0.70	0.000
9	0.69	0.201
49	0.69	0.201
30	0.68	0.268
9	0.68	0.268
75	0.67	0.469
20	0.66	0.536
24	0.66	0.536
35	0.66	0.536
75	0.65	0.737
Std Dev	0.63	1.000
275	0.48	2.948
275	0.45	3.350
77	0.38	4.288
77	0.24	6.164

102	Other (describe)	
Lab	%	H_2O
69	0.68	-1.340
Std Dev	0.68	-1.000
Median	0.67	0.000
Std Dev	0.65	1.000
20	0.65	1.340

201	Gravimetric AFPC IX.3.B	
Lab	%	P2O5
65	28.31	-2.680
Std Dev	28.03	-1.000
77	27.93	-0.379
Median	27.87	0.000
56	27.81	0.379
55	27.80	0.409

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

203	Photometric-AFPC IX.3.C	
Lab	%	P2O5
30	28.26	-5.272
51	28.15	-3.339
51	28.10	-2.460
35	28.06	-1.757
Std Dev	28.02	-1.000
26	28.02	-0.967
35	27.99	-0.527
9	27.99	-0.439
9	27.97	-0.176
49	27.96	0.000
49	27.96	0.000
78	27.96	0.000
92	27.96	0.000
Median	27.96	0.000
69	27.94	0.351
10	27.93	0.527
92	27.91	0.879
78	27.91	0.967
Std Dev	27.90	1.000
52	27.90	1.054
10	27.87	1.582

204	Automated -AOAC 978.01-15th	
Lab	%	P2O5
24	28.05	-2.154
24	27.94	-1.101
Std Dev	27.93	-1.000
77	27.90	-0.718
15	27.87	-0.431
75	27.87	-0.431
13	27.83	0.000
Median	27.83	0.000
15	27.82	0.096
75	27.75	0.718
13	27.74	0.814
21	27.73	0.957
Std Dev	27.72	1.000
21	27.71	1.101

205	Other(describe)	
Lab	%	P2O5
19	60.65	-5.293
Std Dev	33.70	-1.000
20	27.45	-0.004
Median	27.43	0.000
20	27.41	0.004
56	27.14	0.046

211	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	dB
77	28.04		-1.340
Std Dev	28.04		-1.000
Median	28.04		0.000
Std Dev	28.04		1.000
55	28.04		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
30	28.45		-12.573
35	28.26		-3.976
26	28.23		-2.547
Std Dev	28.19		-1.000
9	28.18		-0.471
35	28.18		-0.380
52	28.17		-0.012
Median	28.17		0.000
49	28.17		0.012
10	28.16		0.156
9	28.16		0.255
49	28.15		0.635
Std Dev	28.14		1.000
69	28.13		1.582
10	28.10		2.814

214	Automated -AOAC 978.01-15th		
Lab	%	P2O5	dB
24	28.24		-2.198
24	28.16		-1.392
Std Dev	28.12		-1.000
15	28.09		-0.691
75	28.06		-0.375
13	28.03		-0.131
15	28.02		0.000
Median	28.02		0.000
77	27.97		0.531
21	27.94		0.791
13	27.94		0.823
75	27.93		0.906
Std Dev	27.92		1.000
21	27.92		1.015

215	Other(describe)		
Lab	%	P2O5	dB
20	27.63		-1.340
Std Dev	27.63		-1.000
Median	27.61		0.000
Std Dev	27.59		1.000
20	27.58		1.340

301	Atomic Absorption-AFPC IX.6.B	
Lab	%	Fe2O3
55	0.44	0.000
Median	0.44	0.000

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
78	0.69	-2.903
78	0.68	-2.792
35	0.66	-2.345
35	0.66	-2.345
51	0.61	-1.228
52	0.60	-1.005
Std Dev	0.60	-1.000
15	0.60	-0.893
51	0.59	-0.782
15	0.58	-0.558

92	0.57	-0.335
92	0.57	-0.335
21	0.56	0.000
24	0.56	0.000
Median	0.56	0.000
49	0.55	0.112
21	0.55	0.223
9	0.54	0.335
9	0.54	0.447
13	0.54	0.447
24	0.54	0.447
49	0.54	0.447
10	0.53	0.558
10	0.53	0.558
75	0.52	0.724
13	0.52	0.893
Std Dev	0.51	1.000
75	0.51	1.101

303 Other(describe)

Lab	%	Fe2O3
77	0.66	-1.135
Std Dev	0.65	-1.000
56	0.65	-0.960
77	0.65	-0.960
20	0.60	-0.087
Median	0.60	0.000
20	0.59	0.087
65	0.58	0.244
69	0.55	0.786
Std Dev	0.54	1.000
19	0.53	1.135

401 Atomic Absorption-AFPC IX.6.B

Lab	%	Al2O3
55	0.58	0.000
Median	0.58	0.000

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

Lab	%	Al2O3
52	1.90	-7.433
78	1.86	-7.147
78	1.83	-6.897
35	1.21	-2.501
35	1.19	-2.358
Std Dev	1.00	-1.000
49	0.96	-0.715
92	0.93	-0.500
92	0.93	-0.500
9	0.88	-0.143
9	0.88	-0.107
75	0.87	-0.093
75	0.87	-0.087
24	0.86	0.000
49	0.86	0.000
Median	0.86	0.000
15	0.85	0.071
15	0.85	0.071
24	0.85	0.071
51	0.79	0.500
10	0.75	0.786
69	0.74	0.858
10	0.73	0.929
51	0.73	0.929
Std Dev	0.72	1.000
21	0.72	1.036
13	0.70	1.179
13	0.70	1.179
21	0.57	2.073

403 Other(describe)

Lab	%	Al2O3
65	1.82	-0.323
56	1.81	-0.308
77	1.77	-0.213
77	1.68	0.000
Median	1.68	0.000
19	1.30	0.901
Std Dev	1.26	1.000
20	1.15	1.257
20	1.11	1.352

501 Atomic Absorption-AFPC IX.8.A

Lab	%	MgO
55	0.33	0.000
Median	0.33	0.000

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

Lab	%	MgO
35	0.48	-2.680
52	0.48	-2.680
35	0.47	-2.365
92	0.45	-1.734
92	0.43	-1.104
Std Dev	0.43	-1.000
78	0.43	-0.946
78	0.43	-0.946
9	0.42	-0.788
15	0.42	-0.631
15	0.42	-0.631
49	0.41	-0.473
9	0.41	-0.315
51	0.40	-0.158
Median	0.40	0.000
10	0.39	0.158
13	0.39	0.158
49	0.39	0.158
13	0.39	0.315
21	0.39	0.315
21	0.39	0.315
10	0.38	0.473
24	0.38	0.473
24	0.38	0.473
51	0.38	0.473
75	0.38	0.567
69	0.37	0.788
75	0.37	0.867

503 Other(describe)

Lab	%	MgO
65	0.42	-2.077
77	0.41	-1.340
Std Dev	0.40	-1.000
20	0.39	0.000
77	0.39	0.000
Median	0.39	0.000
20	0.38	0.670
56	0.38	0.670
Std Dev	0.38	1.000
19	0.34	3.350

601 Insoluble-AFPC IX.4.A

Lab	%	Al
55	13.77	-2.718
26	13.28	-1.202
15	13.25	-1.126
15	13.25	-1.126
Std Dev	13.21	-1.000
69	13.16	-0.850
9	13.10	-0.666
9	13.09	-0.620
21	13.09	-0.620
24	13.06	-0.544
30	12.89	-0.023
49	12.89	-0.023
Median	12.88	0.000
21	12.88	0.023
24	12.88	0.023
51	12.83	0.161
10	12.79	0.283
13	12.69	0.605
10	12.65	0.712
51	12.63	0.773
49	12.62	0.819
13	12.61	0.835
Std Dev	12.56	1.000
35	12.19	2.121
35	12.13	2.305

602 Other(describe)

Lab	%	Al
19	12.92	0.000
Median	12.92	0.000

651 Gasometric-AFPC IX.13.B

Lab	%	CO2
77	4.21	-1.678
Std Dev	4.06	-1.000
24	4.06	-0.979
21	4.04	-0.862
21	4.04	-0.862
24	3.94	-0.419
9	3.88	-0.140
9	3.88	-0.140
15	3.85	0.000

15	3.85	0.000
Median	3.85	0.000
49	3.82	0.140
49	3.80	0.256
30	3.70	0.699
Std Dev	3.64	1.000
13	3.61	1.142
13	3.52	1.538
275	3.28	2.657
275	2.98	4.055

652 Other(describe)

Lab	%	CO2
35	8.41	-2.480
35	8.38	-2.460
Std Dev	6.19	-1.000
51	5.17	-0.317
51	5.04	-0.230
Median	4.70	0.000
56	4.35	0.230
55	4.12	0.384
20	3.50	0.798
20	3.49	0.808

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	45.33	-4.744
75	44.35	-3.090
Std Dev	43.10	-1.000
92	43.08	-0.972
92	42.87	-0.620
51	42.80	-0.502
51	42.73	-0.385
9	42.71	-0.352
9	42.69	-0.310
21	42.58	-0.126
49	42.56	-0.101
10	42.50	0.000
Median	42.50	0.000
10	42.49	0.017
49	42.23	0.452
21	42.19	0.519
13	42.06	0.745
13	41.93	0.955
Std Dev	41.90	1.000
69	41.50	1.675
78	40.97	2.563
35	40.54	3.283
35	40.52	3.317
78	40.24	3.786

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO
Median	0.00	0.000

704 Permanganate

Lab	%	CaO
30	42.57	0.000
Median	42.57	0.000

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO
275	42.61	-1.340
Std Dev	42.58	-1.000
Median	42.51	0.000
Std Dev	42.43	1.000
275	42.40	1.340

706 Other(describe)

Lab	%	CaO
20	43.12	-1.231
20	43.11	-1.212
Std Dev	42.99	-1.000
77	42.90	-0.839
15	42.74	-0.538
15	42.65	-0.374
19	42.58	-0.255
Median	42.44	0.000
77	42.30	0.255
24	42.28	0.301
24	42.06	0.702
56	42.00	0.802
Std Dev	41.89	1.000
55	41.78	1.203
65	41.16	2.334

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	45.63		-5.832
75	44.64		-3.767
Std Dev	43.32		-1.000
9	43.00		-0.329
9	42.98		-0.281
21	42.90		-0.107
49	42.88		-0.062
10	42.86		-0.021
10	42.85		0.000
Median	42.85		0.000
49	42.52		0.680
21	42.52		0.684
Std Dev	42.37		1.000
13	42.37		1.001
13	42.23		1.292
69	41.78		2.226
35	40.81		4.271
35	40.81		4.279

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
30	42.86		0.000
Median	42.86		0.000

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
275	42.80		-1.340
Std Dev	42.78		-1.000
Median	42.70		0.000
Std Dev	42.63		1.000
275	42.60		1.340

716 Other(describe)

Lab	%	CaO	dB
20	43.40		-0.977
20	43.39		-0.945
15	43.07		-0.243
77	43.00		-0.098
15	42.96		0.000
Median	42.96		0.000
24	42.60		0.784
Std Dev	42.51		1.000
77	42.46		1.097
24	42.33		1.377
55	42.13		1.819

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	3.03	-2.599
21	2.98	-1.705
26	2.96	-1.381
30	2.94	-1.137
Std Dev	2.93	-1.000
21	2.91	-0.650
49	2.90	-0.406
13	2.89	-0.325
15	2.89	-0.325
15	2.89	-0.325
49	2.88	-0.162
51	2.88	-0.162
24	2.87	0.000
Median	2.87	0.000
13	2.87	0.081
52	2.86	0.162
9	2.84	0.568
9	2.82	0.893
24	2.81	0.975
51	2.81	0.975
75	2.81	0.975
Std Dev	2.81	1.000
75	2.77	1.705
35	2.74	2.112

35	2.72	2.436
69	2.72	2.436

803	Oher(describe)	
Lab	%	Fluorine, F
20	3.03	-1.191
20	3.02	-1.077
Std Dev	3.01	-1.000
77	2.95	-0.275
Median	2.93	0.000
65	2.90	0.275
77	2.88	0.527
Std Dev	2.84	1.000
19	2.44	5.566

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	1.2	0.000
Median	1.2	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
24	13.0	-1.135
24	12.7	-1.009
Std Dev	12.6	-1.000
69	11.3	-0.420
51	11.0	-0.315
52	10.5	-0.105
Median	10.3	0.000
51	10.0	0.105
35	8.0	0.946
35	8.0	0.946
78	7.9	0.988
Std Dev	7.9	1.000
78	5.9	1.850

913	Other(describe)	
Lab	ppm	Arsenic, As
13	25.2	-29.863
Std Dev	10.1	-1.000
77	9.7	-0.191
77	9.6	0.000
Median	9.6	0.000
Std Dev	9.1	1.000
20	9.0	1.149
20	8.9	1.340

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	84	0.000
Median	84	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
78	98	-1.898
78	94	-1.544
77	91	-1.252
77	90	-1.164
52	89	-1.076
Std Dev	88	-1.000
275	80	-0.304
75	80	-0.273
75	77	0.000
Median	77	0.000
24	76	0.062
51	75	0.159
275	75	0.190
24	74	0.251
51	73	0.335
35	70	0.599
35	69	0.688

923	Other(describe)	
Lab	ppm	Cadmium, Cd
69	82	-3.943
Std Dev	76	-1.000
13	75	-0.202
Median	74	0.000
20	74	0.202
20	74	0.202

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	5	0.000
Median	5	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
35	2	-0.402
35	2	-0.402
78	2	-0.402
78	2	-0.402
77	2	-0.134
Median	1	0.000
77	1	0.134
24	0	0.938
24	0	0.938
75	0	0.938
75	0	0.938

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	2	-5.360
Std Dev	0	-1.000
20	0	0.000
20	0	0.000
69	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
24	324.0	-0.683
24	320.5	-0.668
Median	160.5	0.000
35	0.5	0.668
35	0.5	0.668

943	Other(describe)	
Lab	ppm	Mercury, Hg
13	1.8	-1.340
Std Dev	1.6	-1.000
Median	0.9	0.000
Std Dev	0.2	1.000
69	0.0	1.340

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

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	lolybdenum, Mo
78	17	-0.970
78	17	-0.836
24	16	-0.463
24	14	-0.015
Median	14	0.000
77	14	0.015
77	14	0.045
Std Dev	11	1.000
20	4	3.001
20	4	3.031

953	Other(describe)	
Lab	ppm	lolybdenum, Mo
69	15	-1.340
Std Dev	15	-1.000
Median	15	0.000
Std Dev	15	1.000
13	15	1.340

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	107	0.000
Median	107	0.000

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
35	124	-1.608
35	123	-1.541
78	120	-1.340
Std Dev	115	-1.000
78	115	-0.972
52	110	-0.670
275	100	-0.027
77	100	0.000
Median	100	0.000
275	99	0.060
77	96	0.268
24	95	0.369
24	93	0.503
75	86	0.911

Std Dev	85	1.000
75	80	1.343

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	130	-2.518
Std Dev	113	-1.000
20	107	-0.489
20	107	-0.489
Median	101	0.000
13	96	0.489
69	90	0.971
Std Dev	90	1.000
19	51	4.449

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
55	36	0.000
Median	36	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
35	9	-1.165
51	9	-1.165
Std Dev	9	-1.000
35	8	-0.499
51	8	-0.499
275	8	-0.266
275	8	-0.166
Median	7	0.000
77	7	0.166
77	7	0.433
24	6	0.832
24	6	0.866
Std Dev	6	1.000
78	4	2.097
78	4	2.464

973	Other(describe)	
Lab	ppm	Lead, Pb
20	23	-0.592
20	23	-0.592
Median	17	0.000
69	11	0.592

Std Dev	7	1.000
13	5	1.217

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
Median	0	0.000

983	Other(describe)	
Lab	ppm	Selenium, Se
13	65	-6.115
Std Dev	23	-1.000
77	20	-0.670
77	20	-0.670
Median	15	0.000
20	9	0.670
20	9	0.670
Std Dev	6	1.000
69	0	1.766

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
55	708	0.000
Median	708	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
78	1022	-2.397
78	1002	-2.013
Std Dev	947	-1.000
77	940	-0.861
77	931	-0.692
52	908	-0.261
24	906	-0.225
275	894	0.000
Median	894	0.000
24	880	0.263
75	875	0.351
75	860	0.648
275	854	0.755
Std Dev	841	1.000

35	833	1.145
35	829	1.220

993	Other(describe)	
Lab	ppm	Zinc, Zn
20	916	-0.410
20	916	-0.410
13	915	-0.381
Median	895	0.000
19	875	0.381
Std Dev	843	1.000
69	837	1.123
19	715	3.466