AFPC Rock Check Program

Sample No. 2015-01

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	0.76	0.064
Other (describe)	102			
Method Group 100		28	0.76	0.06
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	31.32	0.161
ICP-inducted coupled plasma AFPC IX.3.D	202	4	31.37	0.295
Photometric-AFPC IX.3.C	203	17	31.30	0.194
Automated -AOAC 978.01-15th	204	11	31.22	0.174
Other(describe)	205	3	31.30	0.024
Method Group 200		39	31.30	0.16
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	31.53	0.056
ICP-inducted coupled plasma AFPC IX.3.D	212	3	31.67	0.421
Photometric-AFPC IX.3.C	213	10	31.51	0.163
Automated -AOAC 978.01-15th	214	11	31.45	0.201
Other(describe)	215	1	31.50	0.000
Method Group 210		27	31.50	0.18
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	3	1.00	0.044
ICP-inducted coupled plasma-AFPC IX.6.C	302	26	1.03	0.060
Other(describe)	303	5	1.28	0.164
Method Group 300		34	1.05	0.09
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	2	1.09	0.046
ICP-inducted coupled plasma-AFPC IX.7.C	402	26	1.13	0.049
Other(describe)	403	5	1.42	0.194
Method Group 400		33	1.14	0.16
MgO				
Atomic Absorption-AFPC IX.8.A	501	4	0.44	0.159
ICP-inducted coupled plasma-AFPC IX.8.B	502	26	0.42	0.017
Other(describe)	503	5	0.44	0.007
Method Group 500		35	0.42	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	16	7.30	0.263
Other(describe)	602	4	7.44	0.082
Method Group 600		20	7.37	0.22
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	3.66	0.231
Other(describe)	652	5	3.20	0.478
Method Group 650		20	3.56	0.37
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	20	45.86	0.470
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	4	45.69	0.576
EDTA Volumetric-AFPC IX.12.C	705	2	46.48	0.056
Other(describe)	706	8	46.34	0.448
Method Group 700		34	45.99	0.68
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	14	46.30	0.155
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	46.18	0.764
EDTA Volumetric-AFPC IX.12.C	715	2	46.83	0.009
Other(describe)	716	6	46.62	0.529
Method Group 710		24	46.35	0.51

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	20	3.60	0.137
Oher(describe)	803	4	3.74	0.267
Method Group 800		24	3.60	0.14
Arsenic, As				
Atomic Absorption	911			
ICP-inducted coupled plasma-AFPC IX.15.B	912	9	7.0	1.79
Other(describe)	913	2	7.8	0.58
Method Group 900		11	7.0	1.78
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-inducted coupled plasma-AFPC IX.11.B	922	14	4	0.4
Other(describe)	923	1	4	0.0
Method Group 910		15	4	0.4
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-inducted coupled plasma-AFPC IX.16.A	932	11	5	0.8
Other(describe)	933	1	5	0.0
Method Group 920		12	5	0.7
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-inducted coupled plasma-AFPC IX.16.A	942	1	0.1	0.00
Other(describe)	943	1	0.1	0.00
Method Group 930		2	0.1	0.03
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-inducted coupled plasma-AFPC IX.16.A	952	7	7	1.2
Other(describe)	953	1	7	0.0
Method Group 940		8	7	1.1
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-inducted coupled plasma-AFPC IX.16.A	962	14	19	1.8
Other(describe)	963	3	27	3.5
Method Group 950		17	20	3.7
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-inducted coupled plasma-AFPC IX.16.A	972	10	8	4.7
Other(describe)	973	1	11	0.0
Method Group 960		11	9	4.6
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	3	2	1.0
Other(describe)	983	1	3	0.0
Method Group 970		4	3	1.5
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-inducted coupled plasma-AFPC IX.16.A	992	14	73	17
Other(describe)	993	4	76	14
Method Group 980		18	73	16

101	Ground Sample AFPC IX.2.A	
Lab	%	H_2O
13	0.95	-2.952
10	0.91	-2.330
266	0.90	-2.175
10	0.87	-1.709
52	0.87	-1.709
13	0.86	-1.554
Std Dev	0.82	-1.000
15	0.82	-0.854
15	0.82	-0.854
21	0.82	-0.854
9	0.81	-0.699
49	0.79	-0.466
9	0.78	-0.233
30	0.77	-0.155
21	0.76	0.000
24	0.76	0.000
Median	0.76	0.000
75	0.76	0.078
61	0.74	0.311
241	0.74	0.311
24	0.74	0.388
75	0.74	0.388
52	0.73	0.466
6	0.73	0.544
Std Dev	0.70	1.000
61	0.63	2.020
275	0.63	2.020
275	0.62	2.175
77	0.48	4.350
27	0.22	8.390
77	0.22	8.390

102	Other (describe)	
Lab	%	H_2O
Median	0.00	0.000

201	Gravimetric AFPC IX.3.B	
Lab	%	P2O5
77	31.45	-0.806
65	31.42	-0.620
Median	31.32	0.000
241	31.22	0.620
55	31.19	0.837

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	%	P2O5
266	32.47	-3.732
Std Dev	31.66	-1.000
10	31.39	-0.068
Median	31.37	0.000
10	31.35	0.068
Std Dev	31.08	1.000
6	31.01	1.221

203	Photometric-AFPC IX.3.C	
Lab	%	P2O5
27	31.79	-2.525
78	31.55	-1.263
52	31.50	-1.031
Std Dev	31.49	-1.000
78	31.49	-0.979
45	31.46	-0.825
45	31.40	-0.515
49	31.38	-0.412
9	31.35	-0.258
61	31.30	0.000
Median	31.30	0.000
9	31.24	0.309
92	31.21	0.464
61	31.20	0.515
52	31.20	0.515
92	31.19	0.567
Std Dev	31.11	1.000
30	31.04	1.340
275	30.96	1.752
60	30.90	2.062

204	Automated -AOAC 978.01-15th	
Lab	%	P2O5
21	31.47	-1.441
15	31.41	-1.095
15	31.40	-1.037
Std Dev	31.39	-1.000
77	31.37	-0.893
13	31.36	-0.807
21	31.22	0.000
Median	31.22	0.000
13	31.20	0.115
24	31.17	0.288
24	31.14	0.461
75	31.12	0.548
75	31.05	0.980

205	Other(describe)	
Lab	%	P2O5
55	31.34	-1.649
Std Dev	31.32	-1.000
19	31.30	0.000
Median	31.30	0.000
Std Dev	31.28	1.000
6	31.28	1.031

211	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	dB
77	31.60		-1.340
Std Dev	31.58		-1.000
Median	31.53		0.000
Std Dev	31.47		1.000
241	31.45		1.340

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	%	P2O5	dB
266	32.76		-2.614
Std Dev	32.09		-1.000
10	31.67		0.000
Median	31.67		0.000
10	31.64		0.066

213	Photometric-AFPC IX.3.C		
Lab	%	P2O5	dB
27	31.86		-2.162
52	31.78		-1.648
Std Dev	31.67		-1.000
49	31.63		-0.746
9	31.60		-0.589
61	31.53		-0.152
Median	31.51		0.000
9	31.48		0.152
52	31.43		0.488
61	31.40		0.682
Std Dev	31.35		1.000
30	31.28		1.402
275	31.16		2.168

214	Automated -AOAC 978.01-15th		
Lab	%	P2O5	dB
21	31.72		-1.339
15	31.66		-1.038
13	31.66		-1.002
Std Dev	31.66		-1.000
15	31.65		-0.988
13	31.47		-0.057
21	31.45		0.000
Median	31.45		0.000
77	31.44		0.074
24	31.40		0.250
24	31.37		0.440
75	31.36		0.483
75	31.27		0.890

215	Other(describe)		
Lab	%	P2O5	dB
6	31.50		0.000
Median	31.50		0.000

301	Atomic Absorption-AFPC IX.6.B	
Lab	%	Fe2O3
241	1.07	-1.535
Std Dev	1.04	-1.000
30	1.00	0.000
Median	1.00	0.000
Std Dev	0.96	1.000
60	0.95	1.145

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
266	1.27	-4.006
78	1.23	-3.339
78	1.20	-2.754
52	1.15	-2.003
15	1.14	-1.836
15	1.13	-1.669
Std Dev	1.09	-1.000
75	1.08	-0.841

21	1.08	-0.835
75	1.08	-0.774
61	1.07	-0.668
13	1.07	-0.584
45	1.05	-0.334
9	1.04	-0.167
Median	1.03	0.000
21	1.02	0.167
45	1.02	0.167
9	1.01	0.334
10	1.01	0.334
10	1.01	0.334
13	1.00	0.501
49	1.00	0.501
61	0.98	0.918
Std Dev	0.97	1.000
92	0.97	1.002
92	0.96	1.169
24	0.92	1.920
24	0.92	1.920
52	0.90	2.170

303 Other(describe)

Lab	%	Fe2O3
77	1.33	-0.335
77	1.33	-0.335
55	1.28	0.000
Median	1.28	0.000
Std Dev	1.11	1.000
19	1.11	1.005
6	1.05	1.401

401 Atomic Absorption-AFPC IX.6.B

Lab	%	Al2O3
241	1.15	-1.340
Std Dev	1.14	-1.000
Median	1.09	0.000
Std Dev	1.05	1.000
30	1.03	1.340

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

Lab	%	Al2O3
266	1.75	-12.616
61	1.52	-7.964
52	1.40	-5.536
78	1.36	-4.727
78	1.35	-4.424
61	1.23	-1.997
Std Dev	1.18	-1.000
45	1.17	-0.884
24	1.16	-0.581
75	1.15	-0.392
92	1.14	-0.278
92	1.14	-0.278
24	1.14	-0.176
75	1.13	-0.127
Median	1.13	0.000
15	1.12	0.127
15	1.12	0.127
45	1.12	0.127
9	1.12	0.228
9	1.11	0.430
10	1.10	0.531
10	1.10	0.531
49	1.10	0.531
52	1.10	0.531
13	1.09	0.835
21	1.09	0.835
21	1.09	0.835
Std Dev	1.08	1.000
13	1.05	1.543

403 Other(describe)

Lab	%	Al2O3
77	1.62	-1.031
Std Dev	1.61	-1.000
77	1.58	-0.825
55	1.42	0.000
Median	1.42	0.000
19	1.32	0.515
Std Dev	1.23	1.000
6	1.10	1.675

501 Atomic Absorption-AFPC IX.8.A

Lab	%	MgO
27	1.04	-3.742
Std Dev	0.60	-1.000
30	0.48	-0.223
Median	0.44	0.000
241	0.41	0.223
60	0.40	0.280

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

Lab	%	MgO
13	0.50	-4.764
15	0.44	-1.191
Std Dev	0.44	-1.000
15	0.44	-0.893
78	0.44	-0.893
49	0.43	-0.596
266	0.43	-0.596
21	0.43	-0.298
61	0.43	-0.298
78	0.43	-0.298
10	0.42	0.000
10	0.42	0.000
13	0.42	0.000
21	0.42	0.000
45	0.42	0.000
Median	0.42	0.000
9	0.42	0.298
9	0.42	0.298
24	0.41	0.596
24	0.41	0.596
45	0.41	0.596
Std Dev	0.40	1.000
61	0.40	1.191
75	0.39	1.947
75	0.39	2.031
52	0.38	2.382
92	0.34	4.764
92	0.34	4.764
52	0.32	5.956

503 Other(describe)

Lab	%	MgO
77	0.45	-2.010
Std Dev	0.44	-1.000
77	0.44	-0.670
6	0.44	0.000
Median	0.44	0.000
19	0.43	0.670
Std Dev	0.43	1.000
55	0.41	4.020

601 Insoluble-AFPC IX.4.A

Lab	%	AI
10	7.53	-0.884
24	7.52	-0.846
15	7.51	-0.789
9	7.48	-0.675
49	7.44	-0.542
24	7.42	-0.447
9	7.34	-0.162
10	7.30	-0.010
Median	7.30	0.000
13	7.30	0.010
30	7.24	0.219
21	7.17	0.504
13	7.14	0.618
Std Dev	7.03	1.000
21	6.98	1.207
15	6.95	1.340
45	3.30	15.196
45	3.26	15.348

602 Other(describe)

Lab	%	AI
266	7.83	-4.781
Std Dev	7.52	-1.000
19	7.44	-0.030
Median	7.44	0.000
6	7.44	0.030
6	7.41	0.396

651 Gasometric-AFPC IX.13.B

Lab	%	CO2
61	4.65	-4.279
Std Dev	3.89	-1.000
24	3.84	-0.756
52	3.81	-0.648
77	3.79	-0.562
24	3.74	-0.346
49	3.74	-0.346
13	3.68	-0.065
30	3.66	0.000

Median	3.66	0.000
9	3.56	0.432
9	3.56	0.432
13	3.55	0.497
Std Dev	3.43	1.000
21	3.37	1.275
21	3.26	1.751
15	3.20	1.988
15	3.05	2.658

652 Other(describe)

Lab	%	CO2
6	3.55	-0.733
275	3.35	-0.314
266	3.20	0.000
Median	3.20	0.000
Std Dev	2.72	1.000
78	2.71	1.026
78	2.70	1.057

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
61	47.70	-3.914
78	47.59	-3.669
78	47.36	-3.190
61	46.55	-1.468
Std Dev	46.33	-1.000
21	46.09	-0.489
49	46.01	-0.319
21	46.01	-0.308
9	45.99	-0.277
75	45.96	-0.217
9	45.86	0.000
10	45.86	0.000
Median	45.86	0.000
75	45.84	0.051
10	45.76	0.213
13	45.43	0.925
13	45.43	0.925
Std Dev	45.39	1.000
6	45.33	1.138
45	44.04	3.871
92	44.03	3.892
92	44.00	3.956
45	43.56	4.892

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO
Median	0.00	0.000

704 Permanganate

Lab	%	CaO
27	47.70	-3.495
Std Dev	46.26	-1.000
30	45.82	-0.234
Median	45.69	0.000
60	45.55	0.234
241	45.42	0.460

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO
275	46.55	-1.340
Std Dev	46.53	-1.000
Median	46.48	0.000
Std Dev	46.42	1.000
266	46.40	1.340

706 Other(describe)

Lab	%	CaO
77	46.80	-1.039
Std Dev	46.78	-1.000
15	46.61	-0.614
15	46.60	-0.581
55	46.38	-0.101
Median	46.34	0.000
19	46.29	0.100
77	46.00	0.748
24	46.00	0.759
Std Dev	45.89	1.000
24	45.87	1.050

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
61	48.00		-10.989
61	46.90		-3.869
21	46.47		-1.110
Std Dev	46.45		-1.000
49	46.38		-0.515
9	46.36		-0.430
21	46.36		-0.392
75	46.31		-0.098
Median	46.30		0.000
10	46.28		0.098
9	46.22		0.504
75	46.18		0.779
10	46.16		0.868
Std Dev	46.14		1.000
13	45.86		2.807
13	45.82		3.075
6	45.66		4.125

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
27	47.81		-2.134
Std Dev	46.94		-1.000
30	46.18		0.000
Median	46.18		0.000
241	45.76		0.546

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
275	46.85		-1.340
Std Dev	46.84		-1.000
Median	46.83		0.000
Std Dev	46.82		1.000
266	46.82		1.340

716 Other(describe)

Lab	%	CaO	dB
15	46.99		-0.706
15	46.98		-0.678
77	46.90		-0.536
Median	46.62		0.000
24	46.34		0.536
77	46.22		0.751
24	46.22		0.762

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
15	3.81	-1.568
15	3.80	-1.459
21	3.75	-1.130
Std Dev	3.73	-1.000
13	3.73	-0.984
6	3.73	-0.948
266	3.69	-0.693
275	3.65	-0.401
24	3.63	-0.255
9	3.62	-0.182
52	3.60	-0.036
Median	3.60	0.000
9	3.59	0.036
30	3.59	0.036
21	3.58	0.146
13	3.55	0.328
49	3.52	0.547
52	3.50	0.693
24	3.49	0.802
Std Dev	3.46	1.000
27	3.44	1.130
75	3.37	1.677
75	3.34	1.860

803 Oher(describe)

Lab	%	Fluorine, F
77	3.95	-0.787
77	3.91	-0.637
Median	3.74	0.000
19	3.57	0.637
65	3.54	0.750

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
6	13.1	-3.378
24	8.9	-1.033
Std Dev	8.8	-1.000
266	8.5	-0.838
24	8.4	-0.782
77	7.0	0.000
Median	7.0	0.000
78	6.2	0.447
78	6.1	0.503
52	6.0	0.558
52	5.5	0.838

913	Other(describe)	
Lab	ppm	Arsenic, As
13	8.6	-1.340
Std Dev	8.4	-1.000
Median	7.8	0.000
Std Dev	7.2	1.000
77	7.0	1.340

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
Median	0	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
78	12	-21.825
78	12	-21.193
Std Dev	5	-1.000
61	5	-0.893
75	5	-0.550
75	5	-0.550
6	4	-0.275
266	4	-0.275
Median	4	0.000
24	4	0.275
24	4	0.412
61	4	0.687
52	4	0.825
77	4	0.825
Std Dev	4	1.000
52	3	3.573
77	3	3.573

923	Other(describe)	
Lab	ppm	Cadmium, Cd
13	4	0.000
Median	4	0.000

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
Median	0	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	8	-3.116
78	7	-2.493
77	6	-1.247
Std Dev	6	-1.000
266	6	-0.748
61	5	-0.181
77	5	0.000
Median	5	0.000
24	5	0.187
61	5	0.249
24	5	0.436
Std Dev	4	1.000
75	4	1.247
75	4	1.247

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

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	0.000
Median	0.1	0.000

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
Median	0	0.000

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Molybdenum, Mo
77	7	-0.310
78	7	-0.226
78	7	-0.017
266	7	0.000
Median	7	0.000
Std Dev	5	1.000
24	5	1.030
24	5	1.407
77	4	2.203

953	Other(describe)	
Lab	ppm	Molybdenum, Mo
13	7	0.000
Median	7	0.000

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
Median	0	0.000

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
266	29	-5.902
52	25	-3.564
52	23	-2.423
Std Dev	21	-1.000
75	21	-0.998
77	20	-0.713
75	20	-0.428
78	19	-0.143
Median	19	0.000
61	19	0.143
61	18	0.171
6	18	0.371
77	18	0.428
78	18	0.713
24	17	0.855
Std Dev	17	1.000
24	16	1.426

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	30	-0.846
19	27	0.000
Median	27	0.000
Std Dev	23	1.000
13	21	1.834

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
Median	0	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.	
Lab	ppm	Lead, Pb
266	16	-1.685
6	15	-1.610
Std Dev	12	-1.000
61	12	-0.915
77	10	-0.508
77	9	-0.294
Median	8	0.000
24	6	0.294
24	6	0.423
61	5	0.562
Std Dev	3	1.000
78	1	1.418
78	1	1.418

973	Other(describe)	
Lab	ppm	Lead, Pb
13	11	0.000
Median	11	0.000

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

Median	0	0.000	19	70	0.422
			13	68	0.577

982	ICP-induc coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
266	5	-2.680
Std Dev	3	-1.000
77	2	0.000
77	2	0.000
Median	2	0.000

983	Other(describe)	
Lab	ppm	Selenium, Se
13	3	0.000
Median	3	0.000

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
Median	0	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
78	94	-1.234
24	94	-1.231
24	92	-1.120
78	92	-1.084
Std Dev	90	-1.000
75	81	-0.455
61	74	-0.060
75	74	-0.036
Median	73	0.000
6	73	0.036
61	73	0.054
52	68	0.323
77	66	0.443
266	66	0.455
52	64	0.563
77	59	0.862

993	Other(describe)	
Lab	ppm	Zinc, Zn
60	108	-2.251
Std Dev	90	-1.000
19	82	-0.422
Median	76	0.000