

AFPC Rock Check Program

Sample No. 2010-01

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC 9-2	101	21	0.85	0.097
Other (describe)	102	10	0.91	0.076
Method Group 100		31	0.87	0.08
BPL or P₂O₅				
Gravimetric AFPC 9-5	201	1	31.44	0.000
ICP-induced coupled plasma	202	4	31.74	0.126
Photometric-AFPC 9-6	203	17	31.74	0.134
Automated -AOAC 978.01-15th	204	12	31.77	0.202
Other(describe)	205	5	31.90	0.060
Method Group 200		39	31.75	0.19
BPL or P₂O₅ (on Dry Basis)				
Gravimetric AFPC 9-5	211	1	31.59	0.000
ICP-induced coupled plasma	212	4	32.04	0.130
Photometric-AFPC 9-6	213	10	32.04	0.042
Automated -AOAC 978.01-15th	214	12	32.06	0.186
Other(describe)	215	4	32.20	0.752
Method Group 210		31	32.07	0.16
Fe₂O₃				
Atomic Absorption-AFPC 9-12,13	301	3	0.80	0.356
ICP-induced coupled plasma	302	33	1.16	0.212
Other(describe)	303	2	1.10	0.011
Method Group 300		38	1.13	0.21
Al₂O₃				
Atomic Absorption-AFPC 9-16,17	401	2	1.22	0.082
ICP-induced coupled plasma	402	33	1.19	0.063
Other(describe)	403	2	1.29	0.083
Method Group 400		37	1.19	0.06
MgO				
Atomic Absorption-AFPC 9-18,19	501	5	0.45	0.045
ICP-induced coupled plasma	502	31	0.43	0.011
Other(describe)	503	2	0.43	0.013
Method Group 500		38	0.43	0.02
Acid Insoluble				
Insoluble-AFPC 9-8	601	20	6.57	0.202
Other(describe)	602	3	6.91	0.549
Method Group 600		23	6.59	0.19
CaO				
Gravimetric sulfate	701			
ICP-induced coupled plasma	702	15	46.04	0.476
Ceric Sulfate volumetric	703			
Permanganate	704	5	46.15	0.866
EDTA Volumetric	705	10	46.78	2.401
Other(describe)	706	8	46.54	1.121
Method Group 700		38	46.32	0.62
CaO (on Dry Basis)				
Gravimetric sulfate	711			
ICP-induced coupled plasma	712	11	46.69	0.471
Ceric Sulfate volumetric	713			
Permanganate	714	4	46.56	0.280
EDTA Volumetric	715	8	47.06	3.225
Other(describe)	716	7	46.93	0.881
Method Group 710		30	46.84	0.58

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC 9-37	801			
Specific Ion Electrode	802	23	3.54	0.160
Other (describe)	803	3	3.78	0.705
Method Group 800		26	3.55	0.16
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma	912	6	24.5	2.32
Other(describe)	913	2	21.8	1.31
Method Group 900		8	24.0	2.85
Cadmium, Cd				
Atomic Absorption	921	1	8	0.0
ICP-induced coupled plasma	922	12	4	0.5
Other(describe)	923	2	5	0.2
Method Group 910		15	4	1.2
Cobalt, Co				
Atomic Absorption	931			
ICP-induced coupled plasma	932	11	6	1.1
Other(describe)	933	3	8	3.0
Method Group 920		14	7	1.4
Mercury, Hg				
Atomic Absorption	941			
ICP-induced coupled plasma	942	3		19.03
Other(describe)	943			
Method Group 930		3	0.0	19.03
Molybdenum, Mo				
Atomic Absorption	951			
ICP-induced coupled plasma	952	9	23	2.6
Other(describe)	953	2	25	0.7
Method Group 940		11	23	2.1
Nickel, Ni				
Atomic Absorption	961	1	99	0.0
ICP-induced coupled plasma	962	11	21	3.5
Other(describe)	963	3	31	5.6
Method Group 950		15	23	5.8
Lead, Pb				
Atomic Absorption	971	1	51	0.0
ICP-induced coupled plasma	972	9	17	5.4
Other(describe)	973	2	24	5.6
Method Group 960		12	18	4.9
Selenium, Se				
Atomic Absorption	981			
ICP-induced coupled plasma	982	3	3	1.6
Other(describe)	983	1	5	0.0
Method Group 970		4	4	2.0
Zinc, Zn				
Atomic Absorption	991	2	60	3
ICP-induced coupled plasma	992	10	53	6
Other(describe)	993	3	57	7
Method Group 980		15	55	8

101 Ground Sample AFPC 9-2			
Lab	%	H ₂ O	
27	1.09		-2.464
16	0.97		-1.175
Std Dev	0.95		-1.000
10	0.95		-0.969
10	0.95		-0.969
49	0.94		-0.917
16	0.93		-0.814
24	0.91		-0.608
75	0.90		-0.454
24	0.87		-0.144
75	0.87		-0.144
35	0.85		0.000
Median	0.85		0.000
6	0.85		0.010
6	0.85		0.010
15	0.82		0.371
30	0.81		0.423
15	0.80		0.526
266	0.80		0.526
Std Dev	0.75		1.000
35	0.58		2.793
77	0.53		3.309
77	0.48		3.824
237	0.43		4.340

102 Other (describe)			
Lab	%	H ₂ O	
26	1.10		-2.517
26	1.10		-2.517
Std Dev	0.98		-1.000
50	0.98		-0.948
9	0.93		-0.229
13	0.92		-0.163
Median	0.91		0.000
9	0.90		0.163
13	0.89		0.229
69	0.86		0.686
21	0.85		0.752
21	0.84		0.948

201 Gravimetric AFPC 9-5			
Lab	%	P2O5	

77	31.44		0.000
Median	31.44		0.000

202 ICP-induced coupled plasma			
Lab	%	P2O5	
6	31.93		-1.529
Std Dev	31.86		-1.000
10	31.77		-0.218
Median	31.74		0.000
10	31.71		0.218
Std Dev	31.61		1.000
266	31.42		2.521

203 Photometric-AFPC 9-6			
Lab	%	P2O5	
237	31.90		-1.191
Std Dev	31.87		-1.000
26	31.86		-0.893
26	31.86		-0.893
78	31.83		-0.633
16	31.78		-0.298
16	31.77		-0.223
6	31.76		-0.149
9	31.75		-0.037
9	31.74		0.000
Median	31.74		0.000
30	31.70		0.298
78	31.66		0.633
60	31.65		0.670
Std Dev	31.61		1.000
92	31.60		1.042
92	31.60		1.042
270	31.37		2.754
270	31.37		2.754
27	30.70		7.779

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
21	32.07		-1.457
21	31.99		-1.087
Std Dev	31.97		-1.000
15	31.91		-0.692
15	31.90		-0.642
75	31.85		-0.395

75	31.80		-0.148
Median	31.77		0.000
13	31.74		0.148
24	31.65		0.593
24	31.65		0.618
77	31.59		0.889
50	31.58		0.939
Std Dev	31.57		1.000
13	31.51		1.284

205 Other(describe)			
Lab	%	P2O5	
35	35.77		-64.823
Std Dev	31.96		-1.000
49	31.93		-0.503
35	31.90		0.000
Median	31.90		0.000
69	31.85		0.837
Std Dev	31.84		1.000
19	31.12		13.065

211 Gravimetric AFPC 9-5			
Lab	%	P2O5	dB
77	31.59		0.000
Median	31.59		0.000

212 ICP-induced coupled plasma			
Lab	%	P2O5	dB
6	32.20		-1.257
Std Dev	32.17		-1.000
10	32.07		-0.214
Median	32.04		0.000
10	32.01		0.214
Std Dev	31.91		1.000
266	31.67		2.822

213 Photometric-AFPC 9-6			
Lab	%	P2O5	dB
26	32.21		-4.163
26	32.21		-4.163
16	32.09		-1.193
Std Dev	32.08		-1.000
16	32.07		-0.683
9	32.04		-0.043

Median	32.04		0.000
237	32.04		0.043
6	32.03		0.174
9	32.03		0.308
Std Dev	32.00		1.000
30	31.96		1.922
27	31.03		23.968

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
21	32.34		-1.524
21	32.26		-1.092
Std Dev	32.24		-1.000
15	32.17		-0.598
15	32.16		-0.570
75	32.13		-0.386
75	32.09		-0.167
Median	32.06		0.000
13	32.03		0.167
24	31.94		0.620
24	31.92		0.725
50	31.89		0.879
Std Dev	31.87		1.000
13	31.80		1.362
77	31.76		1.600

215 Other(describe)			
Lab	%	P2O5	dB
35	35.98		-5.019
Std Dev	32.96		-1.000
49	32.23		-0.039
Median	32.20		0.000
35	32.17		0.039
69	32.12		0.105

301 Atomic Absorption-AFPC 9-12,13			
Lab	%	Fe2O3	
60	1.13		-0.912
30	0.80		0.000
Median	0.80		0.000
Std Dev	0.44		1.000
27	0.17		1.768

302 ICP-induced coupled plasma		
Lab	%	Fe2O3
35	1.45	-1.368
Std Dev	1.37	-1.000
77	1.34	-0.849
77	1.33	-0.802
266	1.31	-0.707
78	1.22	-0.283
78	1.22	-0.283
26	1.21	-0.236
26	1.21	-0.236
75	1.20	-0.208
6	1.19	-0.141
92	1.17	-0.047
92	1.17	-0.047
270	1.17	-0.047
270	1.17	-0.047
75	1.17	-0.039
15	1.16	0.000
15	1.16	0.000
Median	1.16	0.000
24	1.14	0.118
24	1.13	0.165
237	1.10	0.283
9	0.96	0.943
9	0.96	0.943
16	0.96	0.967
Std Dev	0.95	1.000
16	0.94	1.061
13	0.92	1.132
10	0.91	1.203
10	0.90	1.226
49	0.90	1.226
21	0.88	1.344
13	0.85	1.462
50	0.83	1.556
21	0.83	1.580
35	0.18	4.622

303 Other(describe)		
Lab	%	Fe2O3
19	1.11	-1.340
Std Dev	1.11	-1.000
Median	1.10	0.000

Std Dev	1.08	1.000
69	1.08	1.340

401 Atomic Absorption-AFPC 9-16,17		
Lab	%	Al2O3
30	1.33	-1.340
Std Dev	1.30	-1.000
Median	1.22	0.000
Std Dev	1.14	1.000
27	1.11	1.340

402 ICP-induced coupled plasma		
Lab	%	Al2O3
266	1.51	-5.124
77	1.48	-4.651
77	1.47	-4.493
78	1.45	-4.178
78	1.38	-3.074
35	1.28	-1.498
Std Dev	1.25	-1.000
237	1.25	-0.946
270	1.23	-0.709
270	1.23	-0.709
75	1.23	-0.674
75	1.20	-0.239
6	1.20	-0.236
24	1.20	-0.236
24	1.20	-0.236
92	1.20	-0.236
92	1.19	-0.079
10	1.19	0.000
16	1.19	0.000
21	1.19	0.000
Median	1.19	0.000
10	1.18	0.158
21	1.17	0.236
49	1.17	0.236
16	1.17	0.315
9	1.15	0.631
15	1.15	0.631
9	1.14	0.709
15	1.14	0.709
13	1.13	0.867
Std Dev	1.12	1.000

402 ICP-induced coupled plasma		
Lab	%	Al2O3
266	1.51	-5.124
77	1.48	-4.651
77	1.47	-4.493
78	1.45	-4.178
78	1.38	-3.074
35	1.28	-1.498
Std Dev	1.25	-1.000
237	1.25	-0.946
270	1.23	-0.709
270	1.23	-0.709
75	1.23	-0.674
75	1.20	-0.239
6	1.20	-0.236
24	1.20	-0.236
24	1.20	-0.236
92	1.20	-0.236
92	1.19	-0.079
10	1.19	0.000
16	1.19	0.000
21	1.19	0.000
Median	1.19	0.000
10	1.18	0.158
21	1.17	0.236
49	1.17	0.236
16	1.17	0.315
9	1.15	0.631
15	1.15	0.631
9	1.14	0.709
15	1.14	0.709
13	1.13	0.867
Std Dev	1.12	1.000

13	1.08	1.655
50	0.97	3.389
26	0.94	3.941
26	0.94	3.941
35	0.34	13.321

403 Other(describe)		
Lab	%	Al2O3
19	1.40	-1.340
Std Dev	1.37	-1.000
Median	1.29	0.000
Std Dev	1.21	1.000
69	1.18	1.340

501 Atomic Absorption-AFPC 9-18,19		
Lab	%	MgO
30	0.48	-0.782
35	0.46	-0.335
27	0.45	0.000
Median	0.45	0.000
Std Dev	0.40	1.000
60	0.40	1.005
35	0.20	5.472

502 ICP-induced coupled plasma		
Lab	%	MgO
92	0.47	-4.020
92	0.47	-4.020
50	0.46	-3.127
6	0.45	-2.233
13	0.45	-2.233
49	0.44	-1.340
Std Dev	0.44	-1.000
10	0.43	-0.447
15	0.43	-0.447
15	0.43	-0.447
16	0.43	-0.447
77	0.43	-0.447
78	0.43	-0.447
78	0.43	-0.447
237	0.43	-0.447
266	0.43	-0.447
10	0.43	0.000
Median	0.43	0.000

13	0.42	0.447
16	0.42	0.447
77	0.42	0.447
75	0.42	0.634
9	0.42	0.893
9	0.42	0.893
24	0.42	0.893
24	0.42	0.893
Std Dev	0.41	1.000
26	0.41	1.787
26	0.41	1.787
21	0.40	2.680
75	0.39	2.723
21	0.39	3.573
270	0.35	6.700
270	0.35	6.700

503 Other(describe)		
Lab	%	MgO
19	0.45	-1.340
Std Dev	0.45	-1.000
Median	0.43	0.000
Std Dev	0.42	1.000
69	0.42	1.340

601 Insoluble-AFPC 9-8		
Lab	%	Al
9	6.91	-1.655
9	6.87	-1.482
10	6.80	-1.136
24	6.79	-1.087
Std Dev	6.77	-1.000
16	6.68	-0.543
16	6.65	-0.371
10	6.64	-0.321
21	6.64	-0.321
24	6.59	-0.099
26	6.57	0.000
26	6.57	0.000
Median	6.57	0.000
13	6.56	0.049
13	6.55	0.099
21	6.55	0.124
35	6.46	0.543

Std Dev	6.37	1.000
15	6.15	2.075
6	6.14	2.124
15	6.11	2.272
35	3.40	15.660
27	2.60	19.637

602 Other(describe)		
Lab	%	AI
69	8.19	-2.334
Std Dev	7.46	-1.000
19	6.91	0.000
Median	6.91	0.000
266	6.72	0.346

701 Gravimetric sulfate		
Lab	%	CaO
Median	0.00	0.000

702 ICP-induced coupled plasma		
Lab	%	CaO
75	47.43	-2.911
77	46.81	-1.619
6	46.69	-1.366
49	46.59	-1.156
77	46.58	-1.135
Std Dev	46.52	-1.000
16	46.24	-0.410
92	46.13	-0.189
92	46.04	0.000
Median	46.04	0.000
10	46.04	0.011
10	45.99	0.105
237	45.95	0.189
16	45.95	0.200
Std Dev	45.56	1.000
75	45.53	1.076
78	45.36	1.440
78	45.31	1.545

703 Ceric Sulfate volumetric		
Lab	%	CaO
Median	0.00	0.000

704 Permanganate		
Lab	%	CaO
21	46.52	-0.427
30	46.21	-0.075
21	46.15	0.000
Median	46.15	0.000
Std Dev	45.28	1.000
27	45.05	1.265
60	45.05	1.265

705 EDTA Volumetric		
Lab	%	CaO
35	50.92	-1.724
26	50.55	-1.568
26	50.55	-1.568
Std Dev	49.18	-1.000
266	46.89	-0.046
270	46.78	0.000
270	46.78	0.000
Median	46.78	0.000
9	46.43	0.148
9	46.41	0.154
50	46.20	0.242
Std Dev	44.38	1.000
35	44.20	1.074

706 Other(describe)		
Lab	%	CaO
24	47.70	-1.035
Std Dev	47.66	-1.000
24	47.51	-0.865
69	46.87	-0.294
15	46.56	-0.013
Median	46.54	0.000
15	46.53	0.013
13	45.53	0.901
13	45.52	0.910
Std Dev	45.42	1.000
19	45.10	1.284

711 Gravimetric sulfate			
Lab	%	CaO	dB
Median	0.00	0.000	0.000

712 ICP-induced coupled plasma			
Lab	%	CaO	dB
75	47.85	-2.478	
Std Dev	47.16	-1.000	
6	47.09	-0.859	
77	47.04	-0.743	
49	47.03	-0.736	
77	46.83	-0.303	
16	46.69	0.000	
Median	46.69	0.000	
10	46.47	0.448	
10	46.43	0.545	
16	46.38	0.656	
Std Dev	46.21	1.000	
237	46.15	1.140	
75	45.93	1.613	

713 Ceric Sulfate volumetric			
Lab	%	CaO	dB
Median	0.00	0.000	0.000

714 Permanganate			
Lab	%	CaO	dB
21	46.91	-1.224	
Std Dev	46.84	-1.000	
30	46.59	-0.084	
Median	46.56	0.000	
21	46.54	0.084	
Std Dev	46.28	1.000	
27	45.55	3.635	

715 EDTA Volumetric			
Lab	%	CaO	dB
35	51.22	-1.288	
26	51.11	-1.254	
26	51.11	-1.254	
Std Dev	50.29	-1.000	
266	47.27	-0.064	
Median	47.06	0.000	
9	46.86	0.064	
9	46.83	0.073	
50	46.66	0.126	
35	44.58	0.770	

716 Other(describe)			
Lab	%	CaO	dB
24	48.12	-1.346	
24	47.95	-1.153	
Std Dev	47.81	-1.000	
69	47.27	-0.390	
15	46.93	0.000	
Median	46.93	0.000	
15	46.91	0.026	
Std Dev	46.05	1.000	
13	45.95	1.110	
13	45.93	1.137	

801 Volumetric-AFPC 9-37		
Lab	%	Fluorine, F
Median	0.00	0.000

802 Specific Ion Electrode		
Lab	%	Fluorine, F
35	4.33	-4.924
35	4.26	-4.487
24	3.73	-1.153
Std Dev	3.70	-1.000
24	3.68	-0.873
9	3.61	-0.436
21	3.60	-0.374
13	3.58	-0.249
9	3.58	-0.218
75	3.57	-0.156
21	3.56	-0.125
6	3.54	0.000
49	3.54	0.000
266	3.54	0.000
Median	3.54	0.000
270	3.50	0.249
270	3.50	0.249
75	3.43	0.717
13	3.41	0.810
Std Dev	3.38	1.000
50	3.34	1.247
15	3.34	1.278
15	3.33	1.309
30	3.33	1.309
27	3.21	2.057

237 0.07 21.658

803 Other(describe)		
Lab	%	Fluorine, F
69	5.53	-2.481
Std Dev	4.49	-1.000
77	3.78	0.000
Median	3.78	0.000
77	3.64	0.199

911 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Arsenic, As
Median	0.0	0.000

912 ICP-induced coupled plasma		
Lab	ppm	Arsenic, As
78	<1	0.000
6	26.5	-0.861
78	25.4	-0.366
270	24.5	0.000
270	24.5	0.000
Median	24.5	0.000
Std Dev	22.2	1.000
266	21.2	1.421
77	8.0	7.104

913 Other(describe)		
Lab	ppm	Arsenic, As
69	23.5	-1.340
Std Dev	23.1	-1.000
Median	21.8	0.000
Std Dev	20.4	1.000
13	20.0	1.340

921 Atomic Absorption-AFPC 9-12,13		
Lab	ppm	Cadmium, Cd
27	8	0.000
Median	8	0.000

922 ICP-induced coupled plasma		
Lab	ppm	Cadmium, Cd
78	5	-3.410
78	5	-2.738
Std Dev	4	-1.000

75	4	-0.624
75	4	-0.624
77	4	-0.624
77	4	-0.624
Median	4	0.000
270	3	0.624
270	3	0.624
6	3	0.682
237	3	0.816
266	3	0.816
Std Dev	3	1.000
50	2	3.218

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

931 Atomic Absorption-AFPC 9-16,17		
Lab	ppm	Cobalt, Co
Median	0	0.000

932 ICP-induced coupled plasma		
Lab	ppm	Cobalt, Co
78	9	-2.375
78	9	-2.375
266	8	-1.210
Std Dev	7	-1.000
6	7	-0.843
75	7	-0.583
270	6	0.000
270	6	0.000
Median	6	0.000
75	6	0.314
77	6	0.314
77	6	0.314
237	6	0.583

933 Other(describe)		
Lab	ppm	Cobalt, Co
27	16	-2.519

Std Dev	11	-1.000
69	8	0.000
Median	8	0.000
13	8	0.161

941 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Mercury, Hg
Median	0.0	0.000

942 ICP-induced coupled plasma		
Lab	ppm	Mercury, Hg
266	51.0	-2.680
Std Dev	19.0	-1.000
270	0.0	0.000
270	0.0	0.000
Median	0.0	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
69	<0.5	0.000
13	<0.07	0.000
Median		0.000

951 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Molybdenum, Mo
Median	0	0.000

952 ICP-induced coupled plasma		
Lab	ppm	Molybdenum, Mo
6	26	-0.947
266	25	-0.717
78	24	-0.208
270	23	0.000
270	23	0.000
Median	23	0.000
78	23	0.038
Std Dev	20	1.000
77	20	1.132
77	19	1.510
237	19	1.510

953 Other(describe)		
Lab	ppm	Molybdenum, Mo
69	25	-1.340

Std Dev	25	-1.000
Median	25	0.000
Std Dev	24	1.000
13	24	1.340

961 Atomic Absorption-AFPC 9-12,13		
Lab	ppm	Nickel, Ni
27	99	0.000
Median	99	0.000

962 ICP-induced coupled plasma		
Lab	ppm	Nickel, Ni
266	34	-3.696
6	24	-1.033
Std Dev	24	-1.000
270	24	-0.987
270	24	-0.987
75	21	0.000
78	21	0.000
Median	21	0.000
77	20	0.141
75	20	0.282
78	19	0.423
237	19	0.423
77	18	0.705

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	38	-1.269
Std Dev	36	-1.000
69	31	0.000
Median	31	0.000
Std Dev	25	1.000
13	23	1.411

971 Atomic Absorption-AFPC 9-16,17		
Lab	ppm	Lead, Pb
27	51	0.000
Median	51	0.000

972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
270	20	-0.492
270	20	-0.492

266	19	-0.363
237	19	-0.308
6	17	0.000
Median	17	0.000
77	14	0.609
77	12	0.977
78	12	0.977
Std Dev	12	1.000
78	12	1.068

973 Other(describe)		
Lab	ppm	Lead, Pb
69	31	-1.340
Std Dev	29	-1.000
Median	24	0.000
Std Dev	18	1.000
13	16	1.340

981 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Selenium, Se
Median	0	0.000

982 ICP-induced coupled plasma		
Lab	ppm	Selenium, Se
77	<1	0.000
266	7	-2.680
Std Dev	5	-1.000
270	3	0.000
270	3	0.000
Median	3	0.000

983 Other(describe)		
Lab	ppm	Selenium, Se
69	<0.5	0.000
13	5	0.000
Median	5	0.000

991 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Zinc, Zn
60	63	-1.340
Std Dev	62	-1.000
Median	60	0.000
Std Dev	57	1.000
27	56	1.340

992 ICP-induced coupled plasma		
Lab	ppm	Zinc, Zn
270	63	-1.585
270	63	-1.585
Std Dev	59	-1.000
6	57	-0.689
75	55	-0.340
75	55	-0.257
Median	53	0.000
266	51	0.257
78	49	0.738
78	49	0.738
Std Dev	47	1.000
77	46	1.153
77	43	1.651

993 Other(describe)		
Lab	ppm	Zinc, Zn
19	67	-1.443
Std Dev	64	-1.000
69	57	0.000
Median	57	0.000
Std Dev	49	1.000
13	48	1.237