

AFPC Rock Check Program

Sample No. 2014-11

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	24	0.55	0.074
Other (describe)	102	1	0.60	
Method Group 100		25	0.55	0.08
P₂O₅				
Gravimetric AFPC IX.3.B	201	4	28.49	0.156
ICP-induced coupled plasma AFPC IX.3.D	202	3	28.36	0.267
Photometric-AFPC IX.3.C	203	17	28.61	0.280
Automated -AOAC 978.01-15th	204	11	28.47	0.106
Other(describe)	205	4	28.42	0.203
Method Group 200		39	28.55	0.22
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.62	0.040
ICP-induced coupled plasma AFPC IX.3.D	212	3	28.52	0.272
Photometric-AFPC IX.3.C	213	8	28.89	0.154
Automated -AOAC 978.01-15th	214	11	28.62	0.126
Other(describe)	215	1	28.51	0.000
Method Group 210		25	28.67	0.28
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	5	0.55	0.022
ICP-induced coupled plasma-AFPC IX.6.C	302	23	0.56	0.026
Other(describe)	303	5	0.58	0.045
Method Group 300		33	0.56	0.03
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	1.15	0.157
ICP-induced coupled plasma-AFPC IX.7.C	402	23	0.87	0.134
Other(describe)	403	5	1.49	0.239
Method Group 400		30	0.87	0.32
MgO				
Atomic Absorption-AFPC IX.8.A	501	5	0.48	0.019
ICP-induced coupled plasma-AFPC IX.8.B	502	23	0.47	0.019
Other(describe)	503	5	0.46	0.022
Method Group 500		33	0.47	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	17	13.47	0.388
Other(describe)	602	4	13.78	0.465
Method Group 600		21	13.49	0.34
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	4.16	0.138
Other(describe)	652	5	4.51	3.041
Method Group 650		20	4.19	0.28
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	18	42.92	0.716
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	42.85	0.119
EDTA Volumetric-AFPC IX.12.C	705	1	45.57	0.000
Other(describe)	706	11	43.40	0.565
Method Group 700		33	43.02	0.70
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	11	43.11	0.920
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	43.07	0.105
EDTA Volumetric-AFPC IX.12.C	715	1	45.85	0.000
Other(describe)	716	8	43.26	0.522
Method Group 710		22	43.22	0.48

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	18	2.97	0.166
Other (describe)	803	4	2.97	0.085
Method Group 800		22	2.97	0.17
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	8	10.6	4.10
Other(describe)	913	1	11.9	0.00
Method Group 900		9	10.7	3.92
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	2	74	0.7
ICP-induced coupled plasma-AFPC IX.11.B	922	11	68	8.7
Other(describe)	923	1	73	0.0
Method Group 910		14	73	7.6
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	8	1	0.2
Other(describe)	933	1	2	0.0
Method Group 920		10	1	0.3
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.2	0.04
Other(describe)	943	2	0.9	0.47
Method Group 930		4	0.3	0.27
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	8	7	1.5
Other(describe)	953	1	8	0.0
Method Group 940		9	7	1.1
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	78	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	11	77	6.7
Other(describe)	963	3	81	9.7
Method Group 950		15	77	6.4
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	13	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	9	7	3.8
Other(describe)	973	1	5	0.0
Method Group 960		11	7	4.0
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	2	10	1.2
Other(describe)	983	1	7	0.0
Method Group 970		3	8	1.4
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	3	656	3
ICP-induced coupled plasma-AFPC IX.16.A	992	11	644	43
Other(describe)	993	3	635	44
Method Group 980		17	648	34

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
15	0.68		-1.798
61	0.63		-1.052
61	0.63		-1.052
Std Dev	0.62		-1.000
13	0.62		-0.916
13	0.61		-0.780
266	0.60		-0.712
9	0.59		-0.577
9	0.58		-0.373
10	0.57		-0.305
49	0.57		-0.305
24	0.56		-0.102
6	0.55		-0.034
Median	0.55		0.000
26	0.55		0.034
241	0.53		0.237
24	0.53		0.305
15	0.51		0.577
33	0.50		0.645
21	0.50		0.712
21	0.49		0.780
275	0.48		0.916
Std Dev	0.47		1.000
30	0.44		1.459
275	0.43		1.594
77	0.40		2.002
77	0.36		2.544

102 Other (describe)			
Lab	%	H ₂ O	
10	0.60		0.000
Median	0.60		0.000

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
55	28.61		-0.719
77	28.57		-0.495
Median	28.49		0.000
241	28.42		0.495
Std Dev	28.34		1.000
65	28.23		1.669

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	29.06		-2.624
Std Dev	28.63		-1.000
6	28.36		0.000
Median	28.36		0.000
10	28.35		0.056

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
275	29.00		-1.411
Std Dev	28.88		-1.000
45	28.87		-0.947
275	28.87		-0.947
49	28.86		-0.911
26	28.79		-0.643
9	28.67		-0.214
9	28.64		-0.125
30	28.64		-0.125
78	28.61		0.000
Median	28.61		0.000
33	28.60		0.018
78	28.55		0.214
92	28.43		0.625
92	28.41		0.697
60	28.35		0.911
Std Dev	28.33		1.000
33	28.29		1.126
270	28.28		1.161
45	28.14		1.662

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	29.31		-7.899
15	29.28		-7.617
13	28.63		-1.458
Std Dev	28.58		-1.000
77	28.55		-0.752
13	28.55		-0.752
21	28.47		0.000
Median	28.47		0.000
24	28.47		0.047
21	28.46		0.141
24	28.44		0.329

Std Dev	28.36		1.000
61	28.34		1.222
61	28.32		1.458

205 Other(describe)			
Lab	%	P2O5	
19	28.90		-2.360
Std Dev	28.62		-1.000
6	28.50		-0.393
Median	28.42		0.000
10	28.34		0.393
55	28.29		0.639

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	28.67		-1.340
Std Dev	28.66		-1.000
Median	28.62		0.000
Std Dev	28.58		1.000
241	28.57		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	29.24		-2.646
Std Dev	28.79		-1.000
6	28.52		0.000
Median	28.52		0.000
10	28.51		0.034

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
275	29.14		-1.628
Std Dev	29.04		-1.000
49	29.03		-0.886
275	28.99		-0.686
26	28.94		-0.349
Median	28.89		0.000
9	28.84		0.349
9	28.81		0.541
30	28.77		0.794
Std Dev	28.73		1.000
33	28.43		2.964

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	29.48		-6.879
15	29.46		-6.706
13	28.80		-1.486
Std Dev	28.74		-1.000
13	28.72		-0.863
77	28.66		-0.393
24	28.62		0.000
Median	28.62		0.000
21	28.61		0.029
21	28.60		0.160
24	28.59		0.171
61	28.52		0.771
61	28.49		0.971

215 Other(describe)			
Lab	%	P2O5	dB
10	28.51		0.000
Median	28.51		0.000

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
33	0.58		-1.295
Std Dev	0.57		-1.000
33	0.57		-0.849
241	0.55		0.000
Median	0.55		0.000
30	0.54		0.491
Std Dev	0.53		1.000
60	0.46		4.065

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
61	28.03		#####
Std Dev	0.59		-1.000
15	0.59		-0.957
78	0.59		-0.957
15	0.58		-0.766
78	0.58		-0.766
13	0.58		-0.574
21	0.58		-0.574
6	0.56		0.000
13	0.56		0.000

21	0.56	0.000
45	0.56	0.000
49	0.56	0.000
266	0.56	0.000
Median	0.56	0.000
9	0.56	0.191
9	0.56	0.191
45	0.55	0.383
10	0.55	0.574
61	0.54	0.957
Std Dev	0.53	1.000
270	0.51	1.914
92	0.50	2.297
92	0.50	2.297
24	0.49	2.871
24	0.49	2.871

303 Other(describe)		
Lab	%	Fe2O3
77	0.62	-0.893
77	0.61	-0.670
19	0.58	0.000
Median	0.58	0.000
10	0.55	0.670
55	0.55	0.670

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
33	1.36	-1.340
Std Dev	1.31	-1.000
Median	1.15	0.000
Std Dev	0.99	1.000
30	0.94	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
78	1.77	-6.700
266	1.72	-6.365
78	1.71	-6.291
15	1.01	-1.079
15	1.01	-1.042
Std Dev	1.00	-1.000
45	0.98	-0.856
61	0.94	-0.521

21	0.89	-0.149
9	0.87	-0.037
49	0.87	-0.037
270	0.87	-0.037
9	0.87	0.000
21	0.87	0.000
Median	0.87	0.000
45	0.86	0.037
92	0.84	0.186
92	0.84	0.186
24	0.79	0.596
6	0.77	0.707
24	0.77	0.744
Std Dev	0.73	1.000
10	0.71	1.191
13	0.69	1.303
13	0.63	1.787
61	0.53	2.531

403 Other(describe)		
Lab	%	Al2O3
77	1.63	-0.607
77	1.62	-0.565
55	1.49	0.000
Median	1.49	0.000
19	1.30	0.775
Std Dev	1.25	1.000
10	0.72	3.224

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
30	0.48	0.000
33	0.48	0.000
33	0.48	0.000
Median	0.48	0.000
Std Dev	0.46	1.000
60	0.46	1.340
241	0.45	1.769

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
61	0.95	-25.728
45	0.50	-1.608
6	0.49	-1.072

15	0.49	-1.072
49	0.49	-1.072
78	0.49	-1.072
Std Dev	0.49	-1.000
15	0.49	-0.804
78	0.49	-0.804
9	0.48	-0.536
45	0.48	-0.536
61	0.48	-0.536
9	0.47	0.000
24	0.47	0.000
266	0.47	0.000
Median	0.47	0.000
270	0.47	0.268
13	0.47	0.268
24	0.47	0.268
13	0.46	0.536
21	0.46	0.536
92	0.46	0.536
92	0.46	0.536
10	0.46	0.804
Std Dev	0.45	1.000
21	0.45	1.072

503 Other(describe)		
Lab	%	MgO
77	0.49	-1.340
Std Dev	0.48	-1.000
19	0.48	-0.893
10	0.46	0.000
Median	0.46	0.000
77	0.45	0.447
Std Dev	0.44	1.000
55	0.43	1.563

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
15	14.94	-3.775
15	14.90	-3.685
45	13.87	-1.031
Std Dev	13.86	-1.000
26	13.74	-0.683
24	13.73	-0.670
24	13.61	-0.348

30	13.57	-0.258
45	13.49	-0.052
9	13.47	0.000
Median	13.47	0.000
21	13.43	0.116
21	13.38	0.245
9	13.34	0.348
49	13.21	0.670
10	13.13	0.889
Std Dev	13.08	1.000
13	13.03	1.134
13	12.96	1.327
6	12.94	1.366

602 Other(describe)		
Lab	%	Al
266	14.30	-1.130
Std Dev	14.24	-1.000
19	14.02	-0.527
Median	13.78	0.000
10	13.53	0.527
Std Dev	13.31	1.000
6	13.28	1.066

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
61	5.30	-8.257
6	4.47	-2.282
30	4.35	-1.412
21	4.31	-1.086
Std Dev	4.29	-1.000
21	4.26	-0.724
77	4.20	-0.326
24	4.18	-0.145
24	4.16	0.000
Median	4.16	0.000
15	4.14	0.109
15	4.13	0.217
49	4.10	0.398
9	4.09	0.471
Std Dev	4.02	1.000
13	3.99	1.195
9	3.98	1.268
13	3.93	1.630

652 Other(describe)			
Lab	%	CO2	
78	8.82		-1.416
78	8.57		-1.333
Std Dev	7.55		-1.000
275	4.51		0.000
Median	4.51		0.000
275	4.49		0.007
266	3.21		0.427

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
Median	0.00		0.000

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
270	45.65		-3.818
78	44.96		-2.848
78	44.70		-2.485
49	43.64		-1.012
Std Dev	43.63		-1.000
45	43.47		-0.775
9	43.32		-0.558
9	43.31		-0.551
13	43.09		-0.244
13	42.96		-0.063
Median	42.92		0.000
6	42.87		0.063
92	42.72		0.272
45	42.70		0.300
92	42.49		0.593
10	42.47		0.628
Std Dev	42.20		1.000
21	42.02		1.249
21	42.02		1.249
61	41.35		2.184
61	40.97		2.722

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

704 Permanganate			
Lab	%	CaO	
30	43.02		-1.424
Std Dev	42.97		-1.000
60	42.85		0.000
Median	42.85		0.000
Std Dev	42.73		1.000
241	42.70		1.256

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	45.57		0.000
Median	45.57		0.000

706 Other(describe)			
Lab	%	CaO	
77	44.00		-1.061
Std Dev	43.97		-1.000
33	43.80		-0.708
33	43.73		-0.584
77	43.70		-0.531
55	43.55		-0.257
19	43.40		0.000
Median	43.40		0.000
24	43.06		0.601
24	42.99		0.725
15	42.93		0.840
15	42.90		0.884
Std Dev	42.83		1.000
10	42.67		1.291

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
Median	0.00		0.000

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
49	43.89		-0.851
9	43.57		-0.500
9	43.57		-0.498
13	43.36		-0.271
13	43.22		-0.124
6	43.11		0.000
Median	43.11		0.000

10	42.71		0.433
21	42.23		0.954
21	42.23		0.956
Std Dev	42.19		1.000
61	41.61		1.627
61	41.22		2.048

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

714 Permanganate			
Lab	%	CaO	dB
30	43.21		-1.340
Std Dev	43.17		-1.000
Median	43.07		0.000
Std Dev	42.96		1.000
241	42.93		1.340

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	45.85		0.000
Median	45.85		0.000

716 Other(describe)			
Lab	%	CaO	dB
77	44.18		-1.758
33	43.95		-1.323
77	43.86		-1.147
Std Dev	43.78		-1.000
24	43.29		-0.055
Median	43.26		0.000
24	43.23		0.055
15	43.19		0.124
15	43.14		0.222
10	42.93		0.634

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	4.14		-7.076

Std Dev	3.13		-1.000
9	3.06		-0.572
30	3.06		-0.572
270	3.05		-0.512
21	3.04		-0.452
21	3.03		-0.391
13	3.02		-0.301
9	3.00		-0.181
13	3.00		-0.181
Median	2.97		0.000
26	2.94		0.181
49	2.92		0.271
24	2.91		0.361
24	2.91		0.361
Std Dev	2.80		1.000
15	2.79		1.084
266	2.78		1.114
275	2.73		1.415
275	2.67		1.777
6	2.62		2.078

803 Other(describe)			
Lab	%	Fluorine, F	
65	3.06		-1.019
Std Dev	3.06		-1.000
77	2.97		0.000
77	2.97		0.000
Median	2.97		0.000
Std Dev	2.88		1.000
19	2.60		4.341

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

912 ICP-induced coupled plasma-AFPC IX.15.I			
Lab	ppm	Arsenic, As	
266	19.3		-2.109
78	16.1		-1.317
78	15.8		-1.244
Std Dev	14.7		-1.000
24	10.7		-0.002
Median	10.6		0.000
24	10.6		0.002

6	10.5	0.035
270	9.8	0.205
77	8.0	0.644

913 Other(describe)		
Lab	ppm	Arsenic, As
13	11.9	0.000
Median	11.9	0.000

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
33	75	-1.340
Std Dev	75	-1.000
Median	74	0.000
Std Dev	73	1.000
33	73	1.340

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
78	79	-1.302
78	78	-1.120
Std Dev	77	-1.000
6	74	-0.737
77	74	-0.686
77	73	-0.571
270	68	0.000
Median	68	0.000
24	66	0.246
266	64	0.503
24	61	0.754
Std Dev	59	1.000
61	59	1.086
61	56	1.371

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	73	0.000
Median	73	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
33	1	0.000
Median	1	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Cobalt, Co	
77	2	-3.311	
Std Dev	2	-1.000	
266	2	-0.788	
78	2	-0.158	
78	2	-0.158	
Median	1	0.000	
24	1	0.158	
24	1	0.788	
Std Dev	1	1.000	
270	1	1.734	
77	1	2.995	

933 Other(describe)			
Lab	ppm	Cobalt, Co	
13	2	0.000	
Median	2	0.000	

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

942 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Mercury, Hg	
266	0.3	-1.340	
Std Dev	0.3	-1.000	
Median	0.2	0.000	
Std Dev	0.2	1.000	
270	0.2	1.340	

943 Other(describe)			
Lab	ppm	Mercury, Hg	
13	1.6	-1.340	
Std Dev	1.4	-1.000	
Median	0.9	0.000	
Std Dev	0.5	1.000	
33	0.3	1.340	

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

952 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Molybdenum, Mo	
77	11	-2.736	
266	10	-1.794	
Std Dev	8	-1.000	
78	8	-0.846	
78	7	-0.149	
Median	7	0.000	
24	7	0.149	
24	7	0.149	
77	6	0.580	
270	6	0.846	

953 Other(describe)			
Lab	ppm	Molybdenum, Mo	
13	8	0.000	
Median	8	0.000	

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
33	78	0.000	
Median	78	0.000	

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	
6	84	-1.056	
Std Dev	84	-1.000	
266	81	-0.539	
78	80	-0.449	
78	80	-0.374	
77	77	0.000	
77	77	0.000	
Median	77	0.000	
24	72	0.764	
24	72	0.808	
Std Dev	70	1.000	
270	70	1.048	
61	65	1.872	
61	61	2.396	

963 Other(describe)			
Lab	ppm	Nickel, Ni	
19	99	-1.835	
Std Dev	91	-1.000	

13	81	0.000
Median	81	0.000
19	73	0.845

971 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Lead, Pb	
33	13	0.000	
Median	13	0.000	

972 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Lead, Pb	
77	12	-1.459	
6	11	-1.114	
266	10	-1.035	
Std Dev	10	-1.000	
77	7	-0.133	
270	7	0.000	
Median	7	0.000	
24	6	0.199	
24	5	0.305	
Std Dev	3	1.000	
78	1	1.459	
78	1	1.459	

973 Other(describe)			
Lab	ppm	Lead, Pb	
13	5	0.000	
Median	5	0.000	

981 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Selenium, Se	
Median	0	0.000	

982 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Selenium, Se	
266	11	-1.340	
Std Dev	11	-1.000	
Median	10	0.000	
Std Dev	8	1.000	
77	8	1.340	

983 Other(describe)			
Lab	ppm	Selenium, Se	
13	7	0.000	

Median	7	0.000
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991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
60	661	-1.489
Std Dev	659	-1.000
33	656	0.000
Median	656	0.000
Std Dev	653	1.000
33	652	1.191

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	703	-1.369
Std Dev	687	-1.000
6	682	-0.865
78	675	-0.714
78	666	-0.493
24	662	-0.408
61	644	0.000
Median	644	0.000
61	644	0.017
77	616	0.655
77	609	0.818
Std Dev	601	1.000
266	595	1.143
270	593	1.189

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	648	-0.293
19	635	0.000
Median	635	0.000
Std Dev	591	1.000
19	529	2.387