AFPC Rock Check Program

Sample No. 2019-05

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	24	0.65	0.088
Other (describe)	102	2	0.52	0.056
Method Group 100		26	0.65	0.08
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	28.11	0.173
ICP-inducted coupled plasma AFPC IX.3.D	202	3	28.19	0.375
Photometric-AFPC IX.3.C	203	20	28.14	0.279
Automated -AOAC 978.01-15th	204	7	28.15	0.515
Other(describe)	205	4	29.05	1.154
Method Group 200		38	28.19	0.24
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	3	28.20	0.191
ICP-inducted coupled plasma AFPC IX.3.D	212	3	28.38	0.370
Photometric-AFPC IX.3.C	213	11	28.43	0.312
Automated -AOAC 978.01-15th	214	7	28.33	0.497
Other(describe)	215	2	29.92	0.025
Method Group 210		26	28.41	0.26
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	1	0.95	0.000
ICP-inducted coupled plasma-AFPC IX.6.C	302	25	0.66	0.146
Other(describe)	303	6	0.74	0.082
Method Group 300		32	0.68	0.15
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	2	0.54	0.250
ICP-inducted coupled plasma-AFPC IX.7.C	402	25	0.90	0.160
Other(describe)	403	6	1.60	0.209
Method Group 400		33	0.92	0.34
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	1.10	0.000
ICP-inducted coupled plasma-AFPC IX.8.B	502	25	0.51	0.022
Other(describe)	503	6	0.53	0.030
Method Group 500		32	0.52	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	12.57	0.445
Other(describe)	602	6	12.40	2.409
Method Group 600		26	12.46	0.33
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	3.91	0.233
Other(describe)	652	7	4.68	4.584
Method Group 650		21	3.95	0.28
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	17	42.75	0.534
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	43.27	0.422
EDTA Volumetric-AFPC IX.12.C	705	1	43.24	0.000
Other(describe)	706	10	42.83	0.225
Method Group 700		30	42.83	0.45
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	10	43.32	0.413
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	43.53	0.437
EDTA Volumetric-AFPC IX.12.C	715	1	43.50	0.000
Other(describe)	716	8	43.09	0.332
Method Group 710		21	43.31	0.38

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	21	2.88	0.146
Oher(describe)	803	4	2.99	0.112
Method Group 800		25	2.89	0.09
Arsenic, As				
Atomic Absorption	911			
ICP-inducted coupled plasma-AFPC IX.15.B	912	8	8.5	3.02
Other(describe)	913	4	10.0	0.43
Method Group 900		12	9.5	2.44
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-inducted coupled plasma-AFPC IX.11.B	922	11	63	6.8
Other(describe)	923	3	64	6.1
Method Group 910		14	64	6.4
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-inducted coupled plasma-AFPC IX.16.A	932	9	1	0.4
Other(describe)	933	3		0.6
Method Group 920		12	1	1.2
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-inducted coupled plasma-AFPC IX.16.A	942	1	0.2	0.00
Other(describe)	943	3	274.5	102.42
Method Group 930		4	137.5	204.61
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-inducted coupled plasma-AFPC IX.16.A	952	11	13	2.0
Other(describe)	953	1	17	0.0
Method Group 940		12	13	2.7
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-inducted coupled plasma-AFPC IX.16.A	962	9	86	5.3
Other(describe)	963	4	97	7.4
Method Group 950		13	89	8.8
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-inducted coupled plasma-AFPC IX.16.A	972	9	5	0.8
Other(describe)	973	3	6	1.3
Method Group 960		12	5	1.5
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	3	18	1.4
Other(describe)	983	3	28	3.8
Method Group 970		6	19	5.8
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-inducted coupled plasma-AFPC IX.16.A	992	9	756	45
Other(describe)	993	4	721	190
Method Group 980		13	756	49

101	Ground Sample AFPC IX.2.A	
Lab	% H_2O	
21	0.81	-1.768
49	0.79	-1.597
21	0.78	-1.426
24	0.77	-1.311
Std Dev	0.74	-1.000
49	0.73	-0.912
52	0.73	-0.912
24	0.70	-0.513
10	0.68	-0.285
10	0.67	-0.228
26	0.66	-0.114
26	0.66	-0.114
13	0.65	0.000
55	0.65	0.000
Median	0.65	0.000
13	0.65	0.057
15	0.64	0.171
15	0.62	0.399
266	0.60	0.570
9	0.59	0.684
9	0.58	0.855
30	0.57	0.912
Std Dev	0.56	1.000
275	0.53	1.369
20	0.47	2.110
77	0.37	3.193
77	0.23	4.790

102	Other (describe)	
Lab	% H_2O	
113	0.59	-1.340
Std Dev	0.57	-1.000
Median	0.52	0.000
Std Dev	0.46	1.000
20	0.44	1.340

201	Gravimetric AFPC IX.3.B	
Lab	% P2O5	
55	28.30	-1.086
Std Dev	28.29	-1.000
56	28.20	-0.478
Median	28.11	0.000
113	28.03	0.478
Std Dev	27.94	1.000
77	27.87	1.405

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	% P2O5	
266	29.17	-2.613
Std Dev	28.57	-1.000
10	28.19	0.000
Median	28.19	0.000
10	28.17	0.067

203	Photometric-AFPC IX.3.C	
Lab	% P2O5	
45	28.60	-1.649
Std Dev	28.42	-1.000
49	28.41	-0.968
9	28.39	-0.878
52	28.34	-0.717
49	28.32	-0.645
30	28.29	-0.538
26	28.26	-0.430
26	28.24	-0.359
30	28.24	-0.359
45	28.19	-0.179
Median	28.14	0.000
92	28.09	0.179
51	28.08	0.215
92	28.08	0.215
51	28.03	0.394
78	27.93	0.771
78	27.92	0.789
21	27.91	0.825
9	27.89	0.896
21	27.89	0.914
Std Dev	27.86	1.000
275	27.69	1.613

204	Automated -AOAC 978.01-15th	
Lab	% P2O5	
15	29.13	-1.903
15	29.11	-1.864
Std Dev	28.66	-1.000
13	28.31	-0.311
13	28.15	0.000
Median	28.15	0.000
24	28.04	0.223
24	28.01	0.282
77	27.98	0.330

205	Other(describe)	
Lab	% P2O5	
20	29.83	-0.676
20	29.75	-0.611
Median	29.05	0.000
56	28.34	0.611
Std Dev	27.89	1.000
19	27.87	1.018

211	Gravimetric AFPC IX.3.B		
Lab	% P2O5		dB
55	28.49		-1.513
Std Dev	28.39		-1.000
113	28.20		0.000
Median	28.20		0.000
Std Dev	28.01		1.000
77	27.97		1.167

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	% P2O5		dB
266	29.35		-2.608
Std Dev	28.75		-1.000
10	28.38		0.000
Median	28.38		0.000
10	28.35		0.072

213	Photometric-AFPC IX.3.C		
Lab	% P2O5		dB
49	28.64		-0.668
9	28.55		-0.403
52	28.55		-0.387
49	28.53		-0.322
26	28.45		-0.064
26	28.43		0.000
Median	28.43		0.000
30	28.40		0.082
21	28.13		0.959
Std Dev	28.12		1.000
21	28.11		1.012
9	28.05		1.204
275	27.84		1.889

214	Automated -AOAC 978.01-15th		
Lab	% P2O5		dB
15	29.32		-1.977
15	29.29		-1.924
Std Dev	28.83		-1.000
13	28.50		-0.327
13	28.33		0.000
Median	28.33		0.000
24	28.23		0.204
24	28.22		0.225
77	28.04		0.579

215	Other(describe)		
Lab	% P2O5		dB
20	29.96		-1.340
Std Dev	29.95		-1.000
Median	29.92		0.000
Std Dev	29.90		1.000
20	29.89		1.340

301	Atomic Absorption-AFPC IX.6.B	
Lab	% Fe2O3	
55	0.95	0.000
Median	0.95	0.000

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	% Fe2O3	
275	0.82	-1.099
Std Dev	0.81	-1.000
275	0.80	-0.962
78	0.75	-0.618
15	0.73	-0.481
15	0.72	-0.412
266	0.72	-0.412
45	0.70	-0.275
45	0.69	-0.206
52	0.69	-0.206
51	0.68	-0.137
92	0.67	-0.069
92	0.67	-0.069

51	0.66	0.000
Median	0.66	0.000
24	0.63	0.206
24	0.62	0.275
49	0.54	0.825
9	0.52	0.962
9	0.52	0.996
Std Dev	0.51	1.000
10	0.51	1.065
10	0.51	1.065
21	0.51	1.065
13	0.50	1.099
21	0.50	1.099
13	0.49	1.168
49	0.49	1.168

303	Other(describe)	
Lab	%	Fe2O3
56	0.80	-0.731
77	0.80	-0.731
77	0.78	-0.487
Median	0.74	0.000
20	0.70	0.487
20	0.68	0.731
Std Dev	0.66	1.000
19	0.61	1.584

401	Atomic Absorption-AFPC IX.6.B	
Lab	%	Al2O3
30	0.87	-1.340
Std Dev	0.79	-1.000
Median	0.54	0.000
Std Dev	0.29	1.000
55	0.20	1.340

402	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Al2O3
52	1.90	-6.233
78	1.76	-5.329
266	1.75	-5.298
275	1.22	-1.994
275	1.17	-1.683
Std Dev	1.06	-1.000
92	1.00	-0.623
15	0.99	-0.530
15	0.99	-0.530
92	0.98	-0.499
49	0.94	-0.218
9	0.92	-0.125
24	0.91	-0.031
49	0.90	0.000
Median	0.90	0.000
9	0.87	0.187
24	0.87	0.187
45	0.84	0.374
51	0.81	0.561
45	0.80	0.623
51	0.77	0.810
10	0.75	0.966
Std Dev	0.74	1.000
21	0.72	1.122
10	0.68	1.402
21	0.65	1.589
13	0.64	1.652
13	0.53	2.306

403	Other(describe)	
Lab	%	Al2O3
77	1.70	-0.502
77	1.68	-0.407
56	1.60	-0.024
Median	1.60	0.000
19	1.59	0.024
Std Dev	1.39	1.000
20	1.31	1.364
20	1.25	1.651

501	Atomic Absorption-AFPC IX.8.A	
Lab	%	MgO
55	1.10	0.000
Median	1.10	0.000

502	ICP-inducted coupled plasma-AFPC IX.8.B	
Lab	%	MgO
275	0.65	-6.253
275	0.64	-5.807
9	0.56	-2.010
9	0.55	-1.563
21	0.54	-1.340
266	0.54	-1.340
Std Dev	0.53	-1.000
49	0.53	-0.893
52	0.53	-0.893
78	0.53	-0.893
21	0.53	-0.670
49	0.53	-0.670
15	0.52	-0.223
13	0.51	0.000
15	0.51	0.000
45	0.51	0.000
92	0.51	0.000
Median	0.51	0.000
10	0.51	0.223
24	0.51	0.223
51	0.50	0.447
10	0.50	0.670
24	0.50	0.670
13	0.49	0.893
45	0.49	0.893
51	0.49	0.893
92	0.49	0.893

503	Other(describe)	
Lab	%	MgO
77	0.60	-2.513
Std Dev	0.55	-1.000
20	0.55	-0.838
56	0.53	-0.168
Median	0.53	0.000
77	0.52	0.168
20	0.50	0.838
Std Dev	0.50	1.000
19	0.44	2.848

601	Insoluble-AFPC IX.4.A	
Lab	%	AI
15	16.24	-8.248
15	16.24	-8.248
45	14.14	-3.540
45	14.00	-3.225
10	13.28	-1.596
Std Dev	13.01	-1.000
26	12.88	-0.708
26	12.84	-0.618
10	12.63	-0.146
51	12.60	-0.079
9	12.59	-0.056
Median	12.57	0.000
9	12.54	0.056
24	12.50	0.157
24	12.47	0.225
30	12.46	0.236
51	12.40	0.371
55	12.33	0.528
49	12.28	0.652
49	12.23	0.764
13	12.15	0.944
Std Dev	12.12	1.000
13	11.99	1.292

602	Other(describe)	
Lab	%	AI
19	12.44	-0.019
21	12.43	-0.015
266	12.40	-0.002
Median	12.40	0.000
21	12.39	0.002
Std Dev	9.99	1.000
20	8.13	1.771
20	8.12	1.775

651	Gasometric-AFPC IX.13.B	
Lab	%	CO2
77	4.44	-2.273
Std Dev	4.14	-1.000
21	4.09	-0.772
21	4.09	-0.772
24	4.01	-0.429
24	3.95	-0.172
15	3.92	-0.043
15	3.92	-0.043
Median	3.91	0.000
30	3.90	0.043
9	3.77	0.600
49	3.72	0.815
Std Dev	3.68	1.000

9	3.67	1.029
49	3.63	1.201
13	3.60	1.351
13	3.59	1.372

652 Other(describe)

Lab	%	CO2
78	15.65	-2.392
78	15.56	-2.372
Std Dev	9.26	-1.000
51	4.77	-0.020
51	4.68	0.000
Median	4.68	0.000
56	4.06	0.135
55	3.98	0.153
266	2.92	0.384

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
51	44.16	-2.643
51	44.06	-2.455
21	43.50	-1.396
Std Dev	43.28	-1.000
9	43.21	-0.853
9	43.12	-0.684
10	43.10	-0.647
10	43.04	-0.543
21	42.97	-0.412
92	42.75	0.000
Median	42.75	0.000
92	42.66	0.169
49	42.57	0.337
49	42.48	0.515
13	42.40	0.656
13	42.25	0.946
Std Dev	42.22	1.000
78	42.19	1.059
45	41.99	1.424
45	41.89	1.612

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO
Median	0.00	0.000

704 Permanganate

Lab	%	CaO
55	43.83	-1.340
Std Dev	43.69	-1.000
Median	43.27	0.000
Std Dev	42.84	1.000
30	42.70	1.340

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO
266	43.24	0.000
Median	43.24	0.000

706 Other(describe)

Lab	%	CaO
77	43.30	-2.080
15	43.23	-1.746
15	43.17	-1.479
Std Dev	43.06	-1.000
77	42.90	-0.300
19	42.84	-0.033
Median	42.83	0.000
20	42.83	0.033
24	42.82	0.056
20	42.79	0.189
56	42.79	0.189
Std Dev	42.61	1.000
24	42.51	1.457

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
21	43.85		-1.284
Std Dev	43.73		-1.000
9	43.45		-0.332
10	43.39		-0.169
9	43.37		-0.128
10	43.33		-0.030
Median	43.32		0.000
21	43.31		0.030
Std Dev	42.91		1.000
49	42.88		1.054
49	42.81		1.223
13	42.68		1.552
13	42.52		1.936

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
55	44.12		-1.340
Std Dev	43.97		-1.000
Median	43.53		0.000
Std Dev	43.09		1.000
30	42.94		1.340

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
266	43.50		0.000
Median	43.50		0.000

716 Other(describe)

Lab	%	CaO	dB
15	43.50		-1.245
77	43.46		-1.123
15	43.43		-1.037
Std Dev	43.42		-1.000
24	43.15		-0.188
Median	43.09		0.000
20	43.03		0.188
77	43.00		0.267
20	42.98		0.326
24	42.80		0.858

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	3.03	-1.031
Std Dev	3.02	-1.000
26	3.00	-0.859
49	2.98	-0.722
49	2.98	-0.722
15	2.95	-0.481
26	2.94	-0.447
21	2.90	-0.172
30	2.90	-0.172
9	2.90	-0.137
51	2.89	-0.103
24	2.88	0.000
24	2.88	0.000
Median	2.88	0.000
9	2.87	0.034
21	2.84	0.275
51	2.83	0.309
13	2.75	0.893
266	2.74	0.928
Std Dev	2.73	1.000
13	2.70	1.237
52	2.66	1.477
113	2.20	4.638
55	2.04	5.738

803 Oher(describe)

Lab	%	Fluorine, F
20	3.12	-1.161
Std Dev	3.10	-1.000
20	3.05	-0.536
Median	2.99	0.000
77	2.93	0.536
77	2.88	0.983

911 Atomic Absorption-AFPC

Lab	ppm	Arsenic, As
Median	0.0	0.000

912 ICP-inducted coupled plasma-AFPC IX.15.I

Lab	ppm	Arsenic, As
24	12.2	-1.224
24	12.0	-1.141

Std Dev	11.5	-1.000
52	11.0	-0.827
77	9.0	-0.165
Median	8.5	0.000
51	8.0	0.165
266	7.2	0.430
78	7.2	0.447
51	7.0	0.496

913	Other(describe)	
Lab	ppm	Arsenic, As
13	11.3	-3.030
Std Dev	10.4	-1.000
20	10.0	0.000
20	10.0	0.000
Median	10.0	0.000
Std Dev	9.6	1.000
77	9.0	2.330

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
52	82	-2.786
77	73	-1.466
77	72	-1.320
78	70	-1.045
Std Dev	70	-1.000
266	68	-0.675
45	63	0.000
45	63	0.000
Median	63	0.000
24	63	0.015
24	61	0.301
51	60	0.440
51	58	0.733

923	Other(describe)	
Lab	ppm	Cadmium, Cd
13	79	-2.516
Std Dev	70	-1.000
20	64	0.000
Median	64	0.000
20	63	0.164

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
77	3	-5.360
77	3	-5.360
78	2	-1.340
266	2	-1.340
Std Dev	1	-1.000
45	1	0.000
45	1	0.000
78	1	0.000
Median	1	0.000
Std Dev	1	1.000
24	0	2.680
24	0	2.680

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	2	-2.680
Std Dev	1	-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
Median	0.0	0.000

942	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
266	0.2	0.000
Median	0.2	0.000

943	Other(describe)	
Lab	ppm	Mercury, Hg
24	275.0	-0.005
24	274.5	0.000
Median	274.5	0.000
Std Dev	172.1	1.000
13	0.5	2.675

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
45	18	-2.552
45	17	-2.042
78	16	-1.378
Std Dev	15	-1.000
24	13	-0.102
266	13	-0.102
20	13	0.000
Median	13	0.000
24	13	0.077
78	13	0.179
Std Dev	11	1.000
77	11	1.021
77	11	1.021
20	10	1.787

953	Other(describe)	
Lab	ppm	Molybdenum, Mo
13	17	0.000
Median	17	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
52	113	-5.170
Std Dev	91	-1.000
77	89	-0.608
78	89	-0.513
77	86	-0.038
266	86	0.000
Median	86	0.000
24	84	0.399
24	81	0.827
Std Dev	81	1.000
45	67	3.573
45	66	3.763

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	124	-3.653
Std Dev	105	-1.000
13	99	-0.224
Median	97	0.000
20	96	0.224
20	95	0.361

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

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
266	9	-5.360
51	6	-1.276
Std Dev	6	-1.000
51	5	0.000
77	5	0.000
77	5	0.000
Median	5	0.000
Std Dev	4	1.000
24	4	1.021
24	4	1.340
78	1	5.105
78	1	5.105

973	Other(describe)	
Lab	ppm	Lead, Pb
20	8	-1.165
Std Dev	7	-1.000
20	6	0.000
Median	6	0.000
Std Dev	5	1.000
13	4	1.515

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

982	ICP-induc coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
77	20	-1.411
Std Dev	19	-1.000
77	18	0.000
Median	18	0.000
Std Dev	17	1.000
266	16	1.269

983	Other(describe)	
Lab	ppm	Selenium, Se
20	29	-0.264
20	28	0.000
Median	28	0.000
Std Dev	24	1.000
13	19	2.416

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
52	852	-2.116
24	819	-1.392
Std Dev	801	-1.000
24	795	-0.855
77	763	-0.154
77	756	0.000
Median	756	0.000
45	734	0.485
78	734	0.485
45	720	0.793
266	712	0.970

993	Other(describe)	
Lab	ppm	Zinc, Zn
20	785	-0.337
20	762	-0.216
Median	721	0.000
19	680	0.216
Std Dev	531	1.000
13	14	3.726