AFPC Rock Check Program

Sample No. 2015-08

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	1.54	0.188
Other (describe)	102			
Method Group 100		28	1.54	0.19
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	29.56	0.058
ICP-inducted coupled plasma AFPC IX.3.D	202	4	29.55	0.087
Photometric-AFPC IX.3.C	203	14	29.58	0.246
Automated -AOAC 978.01-15th	204	11	29.60	0.131
Other(describe)	205	2	29.90	0.336
Method Group 200		35	29.58	0.15
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	3	29.97	0.118
ICP-inducted coupled plasma AFPC IX.3.D	212	4	30.02	0.110
Photometric-AFPC IX.3.C	213	8	30.15	0.172
Automated -AOAC 978.01-15th	214	11	30.10	0.170
Other(describe)	215			
Method Group 210		26	30.07	0.15
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	1	0.59	0.000
ICP-inducted coupled plasma-AFPC IX.6.C	302	27	0.60	0.259
Other(describe)	303	5	0.68	0.050
Method Group 300		33	0.60	0.25
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	1	0.37	0.000
ICP-inducted coupled plasma-AFPC IX.7.C	402	27	0.36	0.032
Other(describe)	403	5	0.47	0.031
Method Group 400		33	0.36	0.05
MgO				
Atomic Absorption-AFPC IX.8.A	501	3	0.56	0.022
ICP-inducted coupled plasma-AFPC IX.8.B	502	26	0.61	0.013
Other(describe)	503	4	0.59	0.013
Method Group 500		33	0.61	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	2.06	0.269
Other(describe)	602	4	1.84	0.346
Method Group 600		24	2.04	0.29
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	13	6.39	0.451
Other(describe)	652	10	7.14	3.810
Method Group 650		23	6.73	0.51
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	18	48.21	0.701
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	48.05	0.075
EDTA Volumetric-AFPC IX.12.C	705	3	48.41	0.422
Other(describe)	706	12	48.66	0.448
Method Group 700		35	48.33	0.64
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	12	48.76	0.435
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	48.79	0.066
EDTA Volumetric-AFPC IX.12.C	715	3	48.95	0.580
Other(describe)	716	9	49.33	0.166
Method Group 710		26	48.95	0.39

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	23	3.48	0.116
Oher(describe)	803	4	3.62	0.046
Method Group 800		27	3.48	0.14
Arsenic, As				
Atomic Absorption	911	1	2.6	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	9	17.0	3.28
Other(describe)	913	1	17.0	0.00
Method Group 900		11	17.0	3.51
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	40	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	15	38	3.6
Other(describe)	923	1	36	0.0
Method Group 910		17	38	3.4
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	6	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	11	4	1.7
Other(describe)	933	1	4	0.0
Method Group 920		13	4	1.7
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.4	0.00
ICP-inducted coupled plasma-AFPC IX.16.A	942	3	0.4	0.12
Other(describe)	943	1	0.2	0.00
Method Group 930		5	0.4	0.13
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	8	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	8	8	1.0
Other(describe)	953	1	10	0.0
Method Group 940		10	8	1.1
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	33	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	962	15	20	3.7
Other(describe)	963	3	30	4.5
Method Group 950		19	20	2.6
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	11	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	7	1	2.2
Other(describe)	973	1	3	0.0
Method Group 960		9	3	2.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981	1	11	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	982	1	8	0.0
Other(describe)	983	1	5	0.0
Method Group 970		3	8	2.3
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	330	0
ICP-inducted coupled plasma-AFPC IX.16.A	992	15	312	25
Other(describe)	993	3	303	9
Method Group 980		19	312	19

101	Ground Sample AFPC IX.2.A	
Lab	%	H_2O
52	1.83	-1.566
266	1.80	-1.406
75	1.78	-1.274
Std Dev	1.72	-1.000
75	1.70	-0.849
24	1.65	-0.610
13	1.63	-0.478
9	1.61	-0.371
24	1.61	-0.371
21	1.60	-0.345
9	1.60	-0.318
49	1.59	-0.292
21	1.57	-0.159
15	1.54	-0.027
15	1.54	0.000
241	1.54	0.000
Median	1.54	0.000
10	1.53	0.027
13	1.53	0.027
10	1.52	0.080
6	1.50	0.186
30	1.48	0.292
275	1.37	0.876
Std Dev	1.35	1.000
55	1.30	1.247
275	1.29	1.327
52	1.28	1.353
35	1.10	2.309
35	0.99	2.892
77	0.76	4.113
77	0.55	5.227

102	Other (describe)	
Lab	%	H_2O
Median	0.00	0.000

201	Gravimetric AFPC IX.3.B	
Lab	%	P2O5
55	29.67	-1.988
Std Dev	29.61	-1.000
77	29.58	-0.432
Median	29.56	0.000
56	29.53	0.432
241	29.51	0.778

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	%	P2O5
6	29.63	-0.865
266	29.60	-0.576
Median	29.55	0.000
10	29.50	0.576
Std Dev	29.46	1.000
10	29.46	1.037

203	Photometric-AFPC IX.3.C	
Lab	%	P2O5
52	30.00	-1.726
49	29.99	-1.685
Std Dev	29.82	-1.000
35	29.80	-0.914
9	29.72	-0.589
35	29.70	-0.508
9	29.68	-0.426
30	29.58	-0.020
Median	29.58	0.000
78	29.57	0.020
45	29.52	0.223
45	29.43	0.589
92	29.37	0.832
Std Dev	29.33	1.000
92	29.32	1.035
52	29.30	1.117
78	29.27	1.259

204	Automated -AOAC 978.01-15th	
Lab	%	P2O5
15	29.78	-1.378
15	29.73	-1.034
Std Dev	29.73	-1.000
21	29.67	-0.536
13	29.65	-0.421
75	29.62	-0.191
13	29.60	0.000
Median	29.60	0.000
75	29.59	0.038
77	29.49	0.804
24	29.48	0.919
Std Dev	29.46	1.000
21	29.41	1.455
24	29.35	1.876

205	Other(describe)	
Lab	%	P2O5
19	30.35	-1.340
Std Dev	30.24	-1.000
Median	29.90	0.000
Std Dev	29.56	1.000
56	29.45	1.340

211	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	dB
55	30.06		-0.767
241	29.97		0.000
Median	29.97		0.000
Std Dev	29.85		1.000
77	29.74		1.913

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	%	P2O5	dB
266	30.14		-1.158
Std Dev	30.13		-1.000
6	30.08		-0.551
Median	30.02		0.000
10	29.96		0.551
10	29.92		0.894

213	Photometric-AFPC IX.3.C		
Lab	%	P2O5	dB
49	30.47		-1.895
52	30.39		-1.399
Std Dev	30.32		-1.000
9	30.20		-0.313
9	30.16		-0.095
Median	30.15		0.000
35	30.13		0.095
30	30.02		0.716
35	30.00		0.875
Std Dev	29.98		1.000
52	29.85		1.749

214	Automated -AOAC 978.01-15th		
Lab	%	P2O5	dB
15	30.24		-0.826
15	30.19		-0.548
75	30.16		-0.324
13	30.14		-0.233
21	30.14		-0.214
75	30.10		0.000
Median	30.10		0.000
13	30.05		0.267
24	29.96		0.849
Std Dev	29.93		1.000
21	29.88		1.275
24	29.84		1.515
77	29.72		2.258

215	Other(describe)		
Lab	%	P2O5	dB
Median	0.00		0.000

301	Atomic Absorption-AFPC IX.6.B	
Lab	%	Fe2O3
55	0.59	0.000
Median	0.59	0.000

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
35	0.70	-0.386
35	0.69	-0.347
78	0.67	-0.270
45	0.66	-0.231
266	0.66	-0.231
15	0.65	-0.193
15	0.65	-0.193
45	0.65	-0.193
78	0.64	-0.154
75	0.63	-0.119
75	0.63	-0.113
52	0.60	0.000
92	0.60	0.000
92	0.60	0.000
Median	0.60	0.000
24	0.57	0.116
24	0.56	0.154

52	0.50	0.386
Std Dev	0.34	1.000
9	0.34	1.022
10	0.31	1.118
21	0.31	1.138
6	0.30	1.157
10	0.30	1.157
49	0.30	1.157
21	0.30	1.176
9	0.29	1.215
13	0.29	1.215
13	0.28	1.253

303	Other(describe)	
Lab	%	Fe2O3
77	0.69	-0.202
77	0.69	-0.202
56	0.68	0.000
Median	0.68	0.000
Std Dev	0.63	1.000
65	0.62	1.138
19	0.62	1.209

401	Atomic Absorption-AFPC IX.6.B	
Lab	%	Al2O3
55	0.37	0.000
Median	0.37	0.000

402	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Al2O3
52	0.44	-2.522
35	0.43	-2.207
35	0.41	-1.576
266	0.41	-1.576
78	0.41	-1.419
45	0.40	-1.261
Std Dev	0.39	-1.000
45	0.39	-0.946
21	0.38	-0.473
78	0.37	-0.315
92	0.37	-0.315
92	0.37	-0.315
15	0.36	0.000
15	0.36	0.000
24	0.36	0.000
52	0.36	0.000
Median	0.36	0.000
9	0.36	0.158
9	0.36	0.158
6	0.35	0.315
21	0.35	0.315
10	0.34	0.631
24	0.34	0.631
75	0.33	0.791
75	0.33	0.841
10	0.33	0.946
Std Dev	0.33	1.000
49	0.32	1.261
13	0.29	2.365
13	0.26	3.311

403	Other(describe)	
Lab	%	Al2O3
77	0.52	-1.595
Std Dev	0.50	-1.000
19	0.47	0.000
77	0.47	0.000
Median	0.47	0.000
Std Dev	0.44	1.000
65	0.43	1.340
56	0.09	12.251

501	Atomic Absorption-AFPC IX.8.A	
Lab	%	MgO
55	0.60	-1.787
Std Dev	0.58	-1.000
35	0.56	0.000
Median	0.56	0.000
35	0.54	0.893

502	ICP-inducted coupled plasma-AFPC IX.8.B	
Lab	%	MgO
13	0.67	-4.594
45	0.63	-1.531
21	0.63	-1.149
Std Dev	0.62	-1.000
10	0.62	-0.766
10	0.62	-0.766
15	0.62	-0.766
21	0.62	-0.766
13	0.62	-0.383
65	0.61	-0.230
6	0.61	0.000
9	0.61	0.000
15	0.61	0.000
24	0.61	0.000
45	0.61	0.000
49	0.61	0.000
52	0.61	0.000
78	0.61	0.000
266	0.61	0.000
Median	0.61	0.000
9	0.61	0.383
24	0.60	0.766
78	0.60	0.766
Std Dev	0.60	1.000
92	0.57	3.063
92	0.56	3.829
75	0.54	5.220
75	0.52	6.527
52	0.47	10.720

503	Other(describe)	
Lab	%	MgO
19	0.59	0.000
77	0.59	0.000
77	0.59	0.000
Median	0.59	0.000
Std Dev	0.58	1.000
56	0.52	5.360

601	Insoluble-AFPC IX.4.A	
Lab	%	Al
55	2.84	-2.903
Std Dev	2.33	-1.000
6	2.27	-0.763
49	2.23	-0.633
10	2.17	-0.409
13	2.15	-0.316
10	2.14	-0.298
13	2.14	-0.298
15	2.11	-0.168
9	2.08	-0.056
9	2.06	0.000
15	2.06	0.000
Median	2.06	0.000
45	1.91	0.558
21	1.82	0.912
21	1.80	0.986
Std Dev	1.79	1.000
24	1.79	1.024
24	1.77	1.079
45	1.69	1.377
30	1.66	1.489
35	1.65	1.526
35	1.63	1.601

602	Other(describe)	
Lab	%	Al
19	2.32	-1.394
Std Dev	2.18	-1.000
266	2.02	-0.525
Median	1.84	0.000
275	1.66	0.525
275	1.56	0.815

651	Gasometric-AFPC IX.13.B	
Lab	%	CO2
24	6.92	-1.174
30	6.89	-1.107
24	6.89	-1.096
15	6.86	-1.041
15	6.85	-1.019
Std Dev	6.84	-1.000
49	6.56	-0.377
9	6.39	0.000
Median	6.39	0.000
9	6.34	0.111
21	6.26	0.299
21	6.26	0.299
13	6.24	0.343
6	6.12	0.609
13	6.11	0.620

652	Other(describe)	
Lab	%	CO2

35	12.03	-1.283
35	12.00	-1.275
78	11.66	-1.186
78	11.61	-1.171
Std Dev	10.95	-1.000
65	7.34	-0.052
Median	7.14	0.000
275	6.95	0.052
275	6.73	0.110
55	6.48	0.174
56	6.10	0.274
266	5.88	0.331

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
92	51.15	-4.191
92	50.72	-3.578
78	49.83	-2.302
45	49.12	-1.297
Std Dev	48.91	-1.000
45	48.88	-0.955
9	48.33	-0.171
21	48.33	-0.171
6	48.30	-0.121
9	48.22	-0.014
Median	48.21	0.000
10	48.20	0.014
13	48.05	0.235
10	47.98	0.328
49	47.84	0.527
13	47.79	0.599
Std Dev	47.51	1.000
21	47.22	1.418
78	47.09	1.604
75	45.81	3.424
75	44.49	5.300

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

704	Permanganate	
Lab	%	CaO
30	48.15	-1.340
Std Dev	48.12	-1.000
Median	48.05	0.000
Std Dev	47.98	1.000
241	47.95	1.340

705	EDTA Volumetric-AFPC IX.12.C	
Lab	%	CaO
266	49.52	-2.633
Std Dev	48.83	-1.000
35	48.41	0.000
Median	48.41	0.000
35	48.39	0.047

706	Other(describe)	
Lab	%	CaO
19	49.50	-1.882
77	49.20	-1.212
Std Dev	49.11	-1.000
77	48.90	-0.542
275	48.72	-0.128
275	48.70	-0.084
15	48.68	-0.050
Median	48.66	0.000
15	48.64	0.050
55	48.60	0.128
56	48.24	0.932
Std Dev	48.21	1.000
24	47.93	1.636
24	47.90	1.703
65	46.47	4.880

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
9	49.12		-0.833
21	49.12		-0.827
6	49.03		-0.631
9	49.00		-0.565
10	48.95		-0.443
13	48.79		-0.082
Median	48.76		0.000
10	48.72		0.082
49	48.61		0.329
13	48.58		0.406
Std Dev	48.32		1.000
21	47.97		1.817
75	46.60		4.962
75	45.30		7.955

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

714	Permanganate		
Lab	%	CaO	dB
30	48.87		-1.340
Std Dev	48.85		-1.000
Median	48.79		0.000
Std Dev	48.72		1.000
241	48.70		1.340

715	EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO	dB
266	50.43		-2.551
Std Dev	49.53		-1.000
35	48.95		0.000
Median	48.95		0.000
35	48.87		0.129

716	Other(describe)		
Lab	%	CaO	dB
77	49.58		-1.491
Std Dev	49.50		-1.000
15	49.44		-0.677
15	49.39		-0.387
275	49.39		-0.378
275	49.33		0.000
Median	49.33		0.000
55	49.24		0.534
77	49.17		0.953
Std Dev	49.16		1.000
24	48.71		3.743
24	48.70		3.792

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	3.76	-2.377
15	3.74	-2.205
21	3.63	-1.297
Std Dev	3.60	-1.000
21	3.59	-0.951
13	3.57	-0.778
13	3.56	-0.692
6	3.55	-0.605
275	3.50	-0.130
30	3.48	0.000
49	3.48	0.000
75	3.48	0.000
275	3.48	0.000
Median	3.48	0.000
35	3.43	0.432
24	3.43	0.475
52	3.42	0.519
75	3.42	0.562
9	3.40	0.692
35	3.40	0.692
9	3.39	0.821
Std Dev	3.36	1.000
266	3.33	1.297
24	3.30	1.599
55	3.22	2.248
52	3.08	3.458

803	Oher(describe)	
Lab	%	Fluorine, F
77	3.75	-2.953
Std Dev	3.66	-1.000
77	3.63	-0.328
Median	3.62	0.000
19	3.60	0.328
65	3.60	0.438

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
55	2.6	0.000
Median	2.6	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
78	21.1	-1.249
78	20.7	-1.112
Std Dev	20.3	-1.000
35	19.0	-0.609
35	18.0	-0.305
24	17.0	0.000
Median	17.0	0.000
24	16.8	0.076
266	14.6	0.731
Std Dev	13.7	1.000
52	13.0	1.218
52	12.0	1.523

913	Other(describe)	
Lab	ppm	Arsenic, As
13	17.0	0.000
Median	17.0	0.000

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	40	0.000
Median	40	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
45	42	-1.256
Std Dev	41	-1.000
45	41	-0.977
78	41	-0.965
77	39	-0.419
77	39	-0.419
78	38	-0.254
75	38	0.000
75	38	0.000
Median	38	0.000
52	37	0.140
52	35	0.698
24	34	0.865
24	34	0.977
Std Dev	34	1.000
266	32	1.508
35	30	2.094
35	29	2.373

923	Other(describe)	
Lab	ppm	Cadmium, Cd
13	36	0.000
Median	36	0.000

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	6	0.000
Median	6	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	8	-2.382
78	7	-1.787
Std Dev	6	-1.000
24	5	-0.774
24	5	-0.715
266	4	-0.060
35	4	0.000
Median	4	0.000
35	3	0.596
45	3	0.596
45	3	0.596
Std Dev	2	1.000
75	2	1.191
75	2	1.489

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	4	0.000
Median	4	0.000

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
55	0.4	0.000
Median	0.4	0.000

942	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
35	0.4	-0.082
35	0.4	0.000
Median	0.4	0.000
Std Dev	0.2	1.000
266	0.1	2.598

943	Other(describe)	
Lab	ppm	Mercury, Hg
13	0.2	0.000
Median	0.2	0.000

951	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Molybdenum, Mo
55	8	0.000
Median	8	0.000

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Molybdenum, Mo
266	9	-0.841
78	9	-0.664
24	8	-0.025
24	8	-0.025
Median	8	0.000
78	8	0.025
Std Dev	7	1.000
45	7	1.156
45	7	1.156
77	5	3.123

953	Other(describe)	
Lab	ppm	Molybdenum, Mo
13	10	0.000
Median	10	0.000

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	33	0.000
Median	33	0.000

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
75	26	-1.581
Std Dev	23	-1.000
52	21	-0.375
78	21	-0.375
75	20	-0.107
77	20	-0.107
77	20	-0.107
78	20	-0.107
266	20	0.000
Median	20	0.000
24	19	0.054
24	19	0.161
52	18	0.429
Std Dev	16	1.000
45	12	2.037
45	11	2.305
35	0	5.250
35	0	5.250

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	35	-1.112
Std Dev	34	-1.000
19	30	0.000
Median	30	0.000
Std Dev	26	1.000
13	23	1.568

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
55	11	0.000
Median	11	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.	
Lab	ppm	Lead, Pb
35	5	-1.611
266	4	-1.204
35	4	-1.163
Std Dev	4	-1.000
24	1	0.000
Median	1	0.000
24	1	0.134
78	1	0.179
78	1	0.179

973	Other(describe)	
Lab	ppm	Lead, Pb
13	3	0.000
Median	3	0.000

981	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Selenium, Se
55	11	0.000
Median	11	0.000

982	ICP-induc coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
266	8	0.000
Median	8	0.000

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

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
55	330	0.000
Median	330	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
24	380	-2.660
24	379	-2.629
45	367	-2.168
45	348	-1.419
Std Dev	337	-1.000
78	321	-0.355
52	317	-0.197
78	315	-0.099
52	312	0.000
Median	312	0.000
75	306	0.256
75	305	0.296
77	302	0.394
77	299	0.512
Std Dev	287	1.000
266	273	1.537
35	258	2.128
35	255	2.246

993	Other(describe)	
Lab	ppm	Zinc, Zn
19	320	-1.954
Std Dev	311	-1.000
13	303	0.000
Median	303	0.000
19	296	0.726