

AFPC Rock Check Program

Sample No. 2013-11

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	24	0.65	0.060
Other (describe)	102	2	0.60	0.026
Method Group 100		26	0.65	0.06
P₂O₅				
Gravimetric AFPC IX.3.B	201	2	28.75	0.021
ICP-induced coupled plasma AFPC IX.3.D	202	6	28.88	0.166
Photometric-AFPC IX.3.C	203	12	28.91	0.179
Automated -AOAC 978.01-15th	204	11	28.89	0.166
Other(describe)	205	3	29.17	0.774
Method Group 200		34	28.91	0.20
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.88	0.046
ICP-induced coupled plasma AFPC IX.3.D	212	6	29.07	0.170
Photometric-AFPC IX.3.C	213	6	29.11	0.153
Automated -AOAC 978.01-15th	214	10	29.09	0.142
Other(describe)	215	2	29.26	0.054
Method Group 210		26	29.09	0.18
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	0.54	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	26	0.54	0.010
Other(describe)	303	5	0.54	0.086
Method Group 300		32	0.54	0.02
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401			
ICP-induced coupled plasma-AFPC IX.7.C	402	26	0.79	0.077
Other(describe)	403	5	1.25	0.369
Method Group 400		31	0.81	0.20
MgO				
Atomic Absorption-AFPC IX.8.A	501	3	0.41	0.019
ICP-induced coupled plasma-AFPC IX.8.B	502	24	0.45	0.012
Other(describe)	503	5	0.44	0.045
Method Group 500		32	0.45	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	11.94	0.369
Other(describe)	602	2	12.42	0.015
Method Group 600		23	12.04	0.45
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	13	4.19	0.224
Other(describe)	652	4	6.85	2.809
Method Group 650		17	4.19	0.38
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	19	43.60	0.343
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	43.16	0.009
EDTA Volumetric-AFPC IX.12.C	705	3	43.45	0.134
Other(describe)	706	8	43.70	0.302
Method Group 700		32	43.60	0.34
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	43.89	0.255
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	43.43	0.000
EDTA Volumetric-AFPC IX.12.C	715	3	43.67	0.138
Other(describe)	716	7	44.07	0.235
Method Group 710		24	43.90	0.31

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	19	2.96	0.138
Other (describe)	803	3	3.07	0.213
Method Group 800		22	2.97	0.15
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	8	10.3	2.81
Other(describe)	913	4	9.4	1.19
Method Group 900		12	9.8	1.84
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	11	84	9.0
Other(describe)	923	3	85	2.5
Method Group 910		14	84	6.6
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	10	2	0.3
Other(describe)	933	2	1	0.5
Method Group 920		12	2	0.5
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.3	0.02
Other(describe)	943	1	2.2	0.00
Method Group 930		3	0.3	0.73
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	7	8	1.3
Other(describe)	953	3	10	1.5
Method Group 940		10	9	1.5
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	11	89	7.3
Other(describe)	963	5	92	8.8
Method Group 950		16	89	9.0
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	9	9	0.8
Other(describe)	973	3	9	3.7
Method Group 960		12	9	1.0
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	4	13	1.0
Other(describe)	983	2	18	2.9
Method Group 970		6	14	1.7
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	802	0
ICP-induced coupled plasma-AFPC IX.16.A	992	11	736	37
Other(describe)	993	5	752	44
Method Group 980		17	744	52

101 Lab	Ground Sample AFPC IX.2.A	
	%	H ₂ O
26	0.78	-2.178
10	0.72	-1.173
Std Dev	0.71	-1.000
15	0.71	-0.921
15	0.71	-0.921
21	0.69	-0.670
49	0.69	-0.670
16	0.68	-0.503
10	0.68	-0.419
24	0.68	-0.419
24	0.67	-0.335
13	0.67	-0.335
16	0.65	0.000
75	0.65	0.000
75	0.65	0.000
Median	0.65	0.000
13	0.64	0.251
6	0.63	0.335
9	0.61	0.754
9	0.61	0.754
21	0.60	0.921
Std Dev	0.59	1.000
241	0.58	1.173
35	0.53	2.010
35	0.51	2.345
266	0.50	2.513
77	0.35	5.025

102 Lab	Other (describe)	
	%	H ₂ O
61	0.63	-1.340
Std Dev	0.62	-1.000
Median	0.60	0.000
Std Dev	0.57	1.000
61	0.56	1.340

201 Lab	Gravimetric AFPC IX.3.B	
	%	P2O5
241	28.78	-1.340
Std Dev	28.77	-1.000
Median	28.75	0.000
Std Dev	28.73	1.000

202 Lab	ICP-induced coupled plasma AFPC IX.3.D	
	%	P2O5
77	28.72	1.340
6	29.15	-1.656
Std Dev	29.04	-1.000
10	29.03	-0.903
10	28.92	-0.241
Median	28.88	0.000
16	28.84	0.241
16	28.76	0.723
266	28.73	0.873

203 Lab	Photometric-AFPC IX.3.C	
	%	P2O5
35	29.19	-1.563
35	29.15	-1.340
Std Dev	29.09	-1.000
45	29.03	-0.670
92	29.02	-0.614
92	28.94	-0.168
26	28.92	-0.056
Median	28.91	0.000
9	28.90	0.056
49	28.85	0.335
9	28.81	0.558
Std Dev	28.73	1.000
45	28.70	1.173
270	28.48	2.382
60	27.70	6.756

204 Lab	Automated -AOAC 978.01-15th	
	%	P2O5
13	29.06	-1.024
Std Dev	29.06	-1.000
13	29.05	-0.964
75	29.04	-0.873
24	28.92	-0.181
75	28.91	-0.120
24	28.89	0.000
Median	28.89	0.000
21	28.87	0.120
21	28.80	0.572
Std Dev	28.72	1.000

15	28.72	1.054
15	28.67	1.355
77	28.52	2.228

205 Lab	Other(describe)	
	%	P2O5
19	31.08	-2.467
Std Dev	29.94	-1.000
61	29.17	0.000
Median	29.17	0.000
61	29.01	0.213

211 Lab	Gravimetric AFPC IX.3.B		
	%	P2O5	dB
241	28.94	-1.340	
Std Dev	28.93	-1.000	
Median	28.88	0.000	
Std Dev	28.84	1.000	
77	28.82	1.340	

212 Lab	ICP-induced coupled plasma AFPC IX.3.D			
	%	P2O5	dB	
6	29.33	-1.531		
Std Dev	29.24	-1.000		
10	29.22	-0.870		
10	29.12	-0.297		
Median	29.07	0.000		
16	29.02	0.297		
16	28.95	0.719		
Std Dev	28.90	1.000		
266	28.87	1.174		

213 Lab	Photometric-AFPC IX.3.C			
	%	P2O5	dB	
35	29.35	-1.532		
35	29.30	-1.230		
Std Dev	29.26	-1.000		
26	29.15	-0.234		
Median	29.11	0.000		
9	29.08	0.234		
49	29.05	0.401		
9	28.99	0.827		

214 Lab	Automated -AOAC 978.01-15th		
	%	P2O5	dB
13	29.26	-1.152	
13	29.24	-1.008	
Std Dev	29.23	-1.000	
75	29.22	-0.933	
24	29.12	-0.172	
75	29.10	-0.050	
Median	29.09	0.000	
24	29.08	0.050	
21	29.04	0.345	
21	29.00	0.681	
Std Dev	28.95	1.000	
15	28.92	1.216	
15	28.87	1.569	

215 Lab	Other(describe)		
	%	P2O5	dB
61	29.33	-1.340	
Std Dev	29.32	-1.000	
Median	29.26	0.000	
Std Dev	29.21	1.000	
61	29.19	1.340	

301 Lab	Atomic Absorption-AFPC IX.6.B		
	%	Fe2O3	
60	0.54	0.000	
Median	0.54	0.000	

302 Lab	ICP-induced coupled plasma-AFPC IX.6.C		
	%	Fe2O3	
266	0.60	-6.335	
21	0.56	-2.436	
270	0.56	-2.436	
Std Dev	0.55	-1.000	
13	0.55	-0.975	
15	0.55	-0.975	
15	0.55	-0.975	
6	0.54	-0.487	
13	0.54	-0.487	
16	0.54	-0.487	
45	0.54	-0.487	
45	0.54	-0.487	
49	0.54	-0.487	

9	0.54	0.000
10	0.54	0.000
16	0.54	0.000
Median	0.54	0.000
75	0.53	0.171
75	0.53	0.234
9	0.53	0.487
10	0.53	0.487
21	0.53	0.975
Std Dev	0.52	1.000
92	0.50	3.411
24	0.49	4.385
24	0.49	4.873
92	0.48	5.360
35	0.45	8.284
35	0.44	9.258

303 Other(describe)		
Lab	%	Fe2O3

77	0.58	-0.466
77	0.57	-0.350
Median	0.54	0.000
61	0.54	0.000
61	0.46	0.990
Std Dev	0.45	1.000
19	0.45	1.049

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3

Median	0.00	0.000
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402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3

266	1.64	-10.978
35	1.07	-3.616
35	1.01	-2.841
45	1.00	-2.712
Std Dev	0.87	-1.000
15	0.85	-0.775
15	0.85	-0.775
45	0.82	-0.387
270	0.82	-0.323
9	0.81	-0.258
49	0.81	-0.258

9	0.81	-0.194
21	0.81	-0.194
21	0.80	-0.129
Median	0.79	0.000
92	0.78	0.129
6	0.77	0.258
75	0.76	0.381
92	0.75	0.517
10	0.72	0.904
16	0.72	0.969
16	0.72	0.969
Std Dev	0.71	1.000
24	0.71	1.033
10	0.69	1.356
24	0.66	1.679
75	0.66	1.684
13	0.62	2.196
13	0.60	2.454

403 Other(describe)		
Lab	%	Al2O3

77	1.55	-0.812
77	1.51	-0.704
Median	1.25	0.000
19	1.25	0.000
61	1.02	0.636
61	0.98	0.744

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO

35	0.42	-0.536
35	0.41	0.000
Median	0.41	0.000
Std Dev	0.39	1.000
60	0.37	2.144

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO

13	0.52	-5.772
13	0.49	-3.298
49	0.47	-1.649
270	0.46	-1.220
Std Dev	0.46	-1.000
45	0.46	-0.825

45	0.46	-0.825
266	0.46	-0.825
15	0.46	-0.412
21	0.46	-0.412
6	0.45	0.000
9	0.45	0.000
10	0.45	0.000
16	0.45	0.000
16	0.45	0.000
Median	0.45	0.000
9	0.45	0.412
10	0.45	0.412
15	0.45	0.412
21	0.45	0.412
24	0.44	0.825
92	0.44	0.825
Std Dev	0.44	1.000
24	0.44	1.237
92	0.43	1.649
75	0.42	2.627
75	0.39	4.657

503 Other(describe)		
Lab	%	MgO

61	0.49	-1.117
61	0.49	-1.117
Std Dev	0.48	-1.000
77	0.44	0.000
Median	0.44	0.000
77	0.43	0.223
19	0.41	0.670

601 Insoluble-AFPC IX.4.A		
Lab	%	Al

15	14.52	-6.984
15	14.51	-6.944
26	12.47	-1.421
45	12.38	-1.191
16	12.32	-1.029
Std Dev	12.31	-1.000
10	12.23	-0.772
16	12.12	-0.474
9	12.10	-0.433
10	12.10	-0.433

49	12.04	-0.271
9	11.94	0.000
Median	11.94	0.000
21	11.85	0.244
21	11.79	0.420
24	11.78	0.433
13	11.76	0.501
24	11.73	0.568
6	11.71	0.623
45	11.70	0.650
13	11.67	0.744
Std Dev	11.57	1.000
35	11.44	1.354
35	11.40	1.462

602 Other(describe)		
Lab	%	Al

19	12.44	-1.340
Std Dev	12.43	-1.000
Median	12.42	0.000
Std Dev	12.41	1.000
266	12.40	1.340

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2

15	4.44	-1.117
15	4.44	-1.094
Std Dev	4.41	-1.000
6	4.37	-0.804
49	4.23	-0.179
24	4.20	-0.045
9	4.19	0.000
9	4.19	0.000
Median	4.19	0.000
77	4.09	0.447
13	3.99	0.916
Std Dev	3.97	1.000
13	3.93	1.161
24	3.93	1.161
21	3.79	1.787
21	3.72	2.099

652 Other(describe)		
Lab	%	CO2

35	8.52	-0.593
35	8.48	-0.579
Median	6.85	0.000
61	5.23	0.579
Std Dev	4.04	1.000
266	3.22	1.294

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

92	45.56	-5.710
92	45.43	-5.331
10	43.97	-1.063
Std Dev	43.94	-1.000
75	43.93	-0.947
49	43.89	-0.845
21	43.77	-0.495
10	43.71	-0.320
9	43.69	-0.262
9	43.64	-0.102
13	43.60	0.000
Median	43.60	0.000
45	43.56	0.117
16	43.48	0.364
6	43.45	0.437
13	43.39	0.626
16	43.36	0.714
21	43.30	0.888
75	43.30	0.888
Std Dev	43.26	1.000
270	43.23	1.080
45	43.07	1.544

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

704	Permanganate	
Lab	%	CaO
241	43.18	-1.340
Std Dev	43.17	-1.000

Median	43.16	0.000
Std Dev	43.15	1.000
60	43.15	1.340

705	EDTA Volumetric-AFPC IX.12.C	
Lab	%	CaO

35	43.46	-0.074
266	43.45	0.000
Median	43.45	0.000
Std Dev	43.32	1.000
35	43.10	2.606

706	Other(describe)	
Lab	%	CaO

61	45.43	-5.732
24	44.02	-1.050
77	44.00	-1.001
Std Dev	44.00	-1.000
24	43.77	-0.240
Median	43.70	0.000
15	43.63	0.240
77	43.60	0.323
15	43.60	0.339
Std Dev	43.40	1.000
61	39.95	12.399

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

10	44.26	-1.470
75	44.21	-1.268
49	44.19	-1.199
Std Dev	44.14	-1.000
21	44.03	-0.559
10	44.03	-0.540
9	43.96	-0.261
9	43.90	-0.043
Median	43.89	0.000
13	43.88	0.043
16	43.76	0.511
6	43.73	0.645

13	43.68	0.833
16	43.65	0.934
Std Dev	43.64	1.000
21	43.60	1.154
75	43.58	1.223

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

714	Permanganate		
Lab	%	CaO	dB
241	43.43	0.000	
Median	43.43	0.000	

715	EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO	dB

35	43.69	-0.168
266	43.67	0.000
Median	43.67	0.000
Std Dev	43.53	1.000
35	43.32	2.512

716	Other(describe)		
Lab	%	CaO	dB

61	45.72	-7.038
24	44.31	-1.060
Std Dev	44.30	-1.000
77	44.15	-0.380
24	44.07	0.000
Median	44.07	0.000
15	43.93	0.556
15	43.90	0.684
Std Dev	43.83	1.000
61	40.17	16.565

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
21	3.11	-1.086
9	3.10	-1.014

15	3.10	-1.014
Std Dev	3.09	-1.000
15	3.09	-0.942
21	3.07	-0.833
9	3.05	-0.652
13	3.03	-0.507
270	3.00	-0.326
49	2.98	-0.181
26	2.96	0.000
Median	2.96	0.000
6	2.92	0.254
35	2.90	0.398
24	2.89	0.471
75	2.88	0.579
266	2.87	0.616
24	2.84	0.833
75	2.84	0.833
13	2.83	0.905
Std Dev	2.82	1.000
35	2.79	1.195

803	Oher(describe)	
Lab	%	Fluorine, F

77	3.13	-0.282
77	3.07	0.000
Median	3.07	0.000
Std Dev	2.86	1.000
19	2.56	2.398

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

6	15.0	-1.692
Std Dev	13.1	-1.000
24	11.6	-0.463
24	11.1	-0.303
266	10.3	-0.018
Median	10.3	0.000
270	10.2	0.018
77	8.6	0.588
Std Dev	7.4	1.000

35	4.0	2.226
35	4.0	2.226

913 Other(describe)		
Lab	ppm	Arsenic, As
61	15.0	-4.666
Std Dev	10.6	-1.000
13	9.5	-0.027
Median	9.4	0.000
61	9.4	0.027
77	8.8	0.530

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

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
77	93	-0.958
77	93	-0.958
75	89	-0.465
270	88	-0.354
6	86	-0.127
75	84	0.000
Median	84	0.000
24	80	0.498
24	79	0.559
Std Dev	75	1.000
266	73	1.301
35	68	1.811
35	63	2.364

923 Other(describe)		
Lab	ppm	Cadmium, Cd
61	91	-2.365
Std Dev	87	-1.000
61	85	0.000
Median	85	0.000
13	84	0.315

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

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
35	2	-0.797
35	2	-0.797
77	2	-0.507
266	2	-0.217
24	2	-0.072
Median	2	0.000
77	2	0.072
24	1	0.797
270	1	0.942
Std Dev	1	1.000
75	0	4.998
75	0	4.998

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	1	-1.340
Std Dev	1	-1.000
Median	1	0.000
Std Dev	0	1.000
61	0	1.340

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	0.3	0.000
Std Dev	0.2	1.000
270	0.2	1.340

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	2.2	0.000
Median	2.2	0.000

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	12	-2.780
Std Dev	10	-1.000
6	9	-0.772
266	9	-0.324
270	8	0.000
Median	8	0.000
77	8	0.309
Std Dev	7	1.000
24	7	1.274
24	5	2.278

953 Other(describe)		
Lab	ppm	Molybdenum, Mo
61	12	-1.216
Std Dev	11	-1.000
13	10	0.000
Median	10	0.000
Std Dev	8	1.000
61	8	1.464

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

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
266	96	-0.984
270	94	-0.670
75	93	-0.581
77	90	-0.191
77	90	-0.191
75	89	0.000
Median	89	0.000
24	88	0.103
24	87	0.185
Std Dev	81	1.000
35	76	1.723
35	75	1.860
6	54	4.799

963 Other(describe)		
Lab	ppm	Nickel, Ni

19	110	-2.092
Std Dev	100	-1.000
61	95	-0.339
61	92	0.000
Median	92	0.000
Std Dev	83	1.000
13	83	1.001
19	30	6.954

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

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
266	11	-2.042
77	10	-1.276
Std Dev	10	-1.000
6	10	-0.830
24	9	-0.447
35	9	0.000
77	9	0.000
Median	9	0.000
24	9	0.510
Std Dev	8	1.000
35	8	1.276
270	7	2.361

973 Other(describe)		
Lab	ppm	Lead, Pb
61	15	-1.623
Std Dev	12	-1.000
61	9	0.000
Median	9	0.000
Std Dev	5	1.000
13	5	1.057

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
6	15	-2.326

Std Dev	14	-1.000	
	77	13	-0.405
Median	13	0.000	
	266	12	0.405
	77	12	0.607

Std Dev	708	1.000	
	19	615	3.112

983 Other(describe)			
Lab	ppm	Selenium, Se	
	61	22	-1.340
Std Dev	21	-1.000	
Median	18	0.000	
Std Dev	15	1.000	
	13	14	1.340

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
	60	802	0.000
Median	802	0.000	

992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
	24	810	-1.993
	24	809	-1.966
Std Dev	773	-1.000	
	75	770	-0.929
	6	754	-0.495
	75	744	-0.237
	270	736	0.000
Median	736	0.000	
	77	730	0.147
	77	720	0.414
	266	704	0.842
Std Dev	698	1.000	
	35	644	2.446
	35	636	2.660

993 Other(describe)			
Lab	ppm	Zinc, Zn	
	61	832	-1.817
Std Dev	796	-1.000	
	61	790	-0.863
	19	752	0.000
Median	752	0.000	
	13	731	0.477