

AFPC Rock Check Program

Sample No. 2008-07

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC 9-2	101	18	1.03	0.109
Other (describe)	102	9	0.97	0.119
Method Group 100		27	1.02	0.12
BPL or P₂O₅				
Gravimetric AFPC 9-5	201	3	29.45	0.034
ICP-induced coupled plasma	202	5	29.58	0.019
Photometric-AFPC 9-6	203	12	29.24	0.251
Automated -AOAC 978.01-15th	204	7	29.36	0.231
Other(describe)	205	9	29.45	0.164
Method Group 200		36	29.37	0.26
BPL or P₂O₅ (on Dry Basis)				
Gravimetric AFPC 9-5	211	3	29.64	0.078
ICP-induced coupled plasma	212	5	29.88	0.037
Photometric-AFPC 9-6	213	6	29.57	0.134
Automated -AOAC 978.01-15th	214	7	29.65	0.290
Other(describe)	215	6	29.78	0.114
Method Group 210		27	29.66	0.24
Fe₂O₃				
Atomic Absorption-AFPC 9-12,13	301	4	1.08	0.075
ICP-induced coupled plasma	302	24	1.11	0.234
Other(describe)	303	4	1.03	0.149
Method Group 300		32	1.11	0.19
Al₂O₃				
Atomic Absorption-AFPC 9-16,17	401	2	1.06	0.034
ICP-induced coupled plasma	402	24	1.14	0.083
Other(describe)	403	4	1.29	0.243
Method Group 400		30	1.14	0.08
MgO				
Atomic Absorption-AFPC 9-18,19	501	6	0.47	0.039
ICP-induced coupled plasma	502	23	0.47	0.017
Other(describe)	503	5	0.48	0.015
Method Group 500		34	0.47	0.02
Acid Insoluble				
Insoluble-AFPC 9-8	601	17	12.47	0.149
Other(describe)	602	5	12.59	0.440
Method Group 600		22	12.48	0.22
CaO				
Gravimetric sulfate	701	2	42.70	0.224
ICP-induced coupled plasma	702	15	42.96	0.442
Ceric Sulfate volumetric	703			
Permanganate	704	4	43.02	0.221
EDTA Volumetric	705	4	42.48	0.700
Other(describe)	706	8	42.94	0.271
Method Group 700		33	42.93	0.41
CaO (on Dry Basis)				
Gravimetric sulfate	711			
ICP-induced coupled plasma	712	8	43.22	0.212
Ceric Sulfate volumetric	713			
Permanganate	714	3	43.29	0.118
EDTA Volumetric	715	3	42.99	0.515
Other(describe)	716	8	43.42	0.253
Method Group 710		27	43.41	0.34

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC 9-37	801	1	3.36	0.000
Specific Ion Electrode	802	15	3.31	0.233
Other (describe)	803	4	3.31	0.138
Method Group 800		20	3.34	0.17
Arsenic, As				
Atomic Absorption	911	1	4.5	0.00
ICP-induced coupled plasma	912	5	30.0	3.15
Other(describe)	913	3	21.6	3.36
Method Group 900		9	27.5	6.27
Cadmium, Cd				
Atomic Absorption	921	3	5	14.4
ICP-induced coupled plasma	922	11	4	0.6
Other(describe)	923	2	3	0.3
Method Group 910		16	4	0.7
Cobalt, Co				
Atomic Absorption	931	1	15	0.0
ICP-induced coupled plasma	932	10	9	0.7
Other(describe)	933	1	9	0.0
Method Group 920		12	9	0.7
Mercury, Hg				
Atomic Absorption	941	1	0.0	0.00
ICP-induced coupled plasma	942	1	0.5	0.00
Other(describe)	943			
Method Group 930		2	0.3	0.17
Molybdenum, Mo				
Atomic Absorption	951			
ICP-induced coupled plasma	952	8	31	0.9
Other(describe)	953	1	35	0.0
Method Group 940		9	31	1.3
Nickel, Ni				
Atomic Absorption	961	2	29	4.1
ICP-induced coupled plasma	962	10	26	2.1
Other(describe)	963	3	28	13.1
Method Group 950		15	26	2.9
Lead, Pb				
Atomic Absorption	971	1	24	0.0
ICP-induced coupled plasma	972	7	15	1.1
Other(describe)	973	2	14	0.1
Method Group 960		10	15	1.4
Selenium, Se				
Atomic Absorption	981			
ICP-induced coupled plasma	982	2	3	0.4
Other(describe)	983	1	5	0.0
Method Group 970		3	3	0.8
Zinc, Zn				
Atomic Absorption	991	3	51	7
ICP-induced coupled plasma	992	12	55	6
Other(describe)	993	3	53	4
Method Group 980		18	53	6

101 Ground Sample AFPC 9-2			
Lab	%	H ₂ O	
27	1.17	-1.262	
15	1.14	-1.033	
16	1.14	-1.033	
Std Dev	1.14	-1.000	
15	1.14	-0.987	
10	1.09	-0.574	
10	1.09	-0.574	
24	1.06	-0.298	
49	1.04	-0.115	
75	1.03	-0.023	
Median	1.03	0.000	
16	1.03	0.023	
10	1.01	0.161	
10	1.01	0.161	
75	0.97	0.574	
35	0.94	0.831	
Std Dev	0.92	1.000	
24	0.88	1.354	
30	0.83	1.813	
77	0.40	5.759	
77	0.27	6.952	

102 Other (describe)			
Lab	%	H ₂ O	
55	1.20	-1.926	
13	1.16	-1.591	
13	1.10	-1.089	
Std Dev	1.09	-1.000	
9	1.02	-0.419	
6	0.97	0.000	
Median	0.97	0.000	
33	0.95	0.168	
55	0.94	0.251	
9	0.92	0.419	
Std Dev	0.85	1.000	
51	0.69	2.345	

201 Gravimetric AFPC 9-5			
Lab	%	P2O5	
30	29.53	-2.382	
Std Dev	29.48	-1.000	
77	29.45	0.000	

Median	29.45	0.000
51	29.44	0.298

202 ICP-induced coupled plasma			
Lab	%	P2O5	
10	29.61	-1.340	
10	29.61	-1.340	
Std Dev	29.60	-1.000	
10	29.58	0.000	
10	29.58	0.000	
Median	29.58	0.000	
Std Dev	29.56	1.000	
6	29.20	20.368	

203 Photometric-AFPC 9-6			
Lab	%	P2O5	
60	31.10	-7.412	
Std Dev	29.49	-1.000	
16	29.47	-0.917	
270	29.45	-0.837	
9	29.36	-0.478	
33	29.33	-0.359	
244	29.29	-0.199	
Median	29.24	0.000	
16	29.19	0.199	
9	29.18	0.239	
78	29.05	0.757	
78	29.04	0.817	
Std Dev	28.99	1.000	
36	28.79	1.793	
27	28.56	2.710	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	29.65	-1.254	
15	29.63	-1.145	
Std Dev	29.59	-1.000	
75	29.37	-0.043	
75	29.36	0.000	
Median	29.36	0.000	
24	29.24	0.540	
77	29.14	0.951	
Std Dev	29.13	1.000	
24	29.06	1.297	

205 Other(describe)			
Lab	%	P2O5	
19	31.34	-11.512	
55	29.80	-2.132	
Std Dev	29.61	-1.000	
35	29.52	-0.426	
13	29.50	-0.305	
49	29.45	0.000	
Median	29.45	0.000	
51	29.35	0.609	
55	29.30	0.914	
Std Dev	29.29	1.000	
13	29.26	1.157	
19	28.22	7.492	

211 Gravimetric AFPC 9-5			
Lab	%	P2O5	dB
30	29.78	-1.701	
Std Dev	29.72	-1.000	
51	29.64	0.000	
Median	29.64	0.000	
77	29.57	0.979	

212 ICP-induced coupled plasma			
Lab	%	P2O5	dB
10	29.93	-1.340	
10	29.93	-1.340	
Std Dev	29.92	-1.000	
10	29.88	1.793	
10	29.88	0.000	
Median	29.88	0.000	
Std Dev	29.84	1.000	
6	29.49	10.726	

213 Photometric-AFPC 9-6			
Lab	%	P2O5	dB
16	29.78	-1.536	
Std Dev	29.70	-1.000	
9	29.66	-0.697	
33	29.61	-0.315	
Median	29.57	0.000	
16	29.53	0.315	
9	29.45	0.879	

Std Dev	29.43	1.000
27	28.90	5.008

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	29.99	-1.189	
15	29.97	-1.106	
Std Dev	29.94	-1.000	
75	29.68	-0.102	
75	29.65	0.000	
Median	29.65	0.000	
24	29.49	0.523	
24	29.37	0.948	
Std Dev	29.36	1.000	
77	29.22	1.475	

215 Other(describe)			
Lab	%	P2O5	dB
55	30.08	-2.663	
Std Dev	29.89	-1.000	
13	29.85	-0.587	
35	29.80	-0.174	
Median	29.78	0.000	
49	29.76	0.174	
Std Dev	29.67	1.000	
55	29.66	1.084	
13	29.59	1.702	

301 Atomic Absorption-AFPC 9-12,13			
Lab	%	Fe2O3	
33	1.16	-1.139	
Std Dev	1.15	-1.000	
27	1.12	-0.603	
Median	1.08	0.000	
51	1.03	0.603	
60	1.03	0.603	

302 ICP-induced coupled plasma			
Lab	%	Fe2O3	
77	1.36	-1.089	
Std Dev	1.34	-1.000	
77	1.29	-0.790	
51	1.27	-0.705	
49	1.22	-0.491	

78	1.22	-0.470
55	1.21	-0.448
78	1.21	-0.427
75	1.17	-0.273
6	1.16	-0.235
30	1.15	-0.192
75	1.14	-0.164
15	1.11	0.000
15	1.11	0.000
Median	1.11	0.000
24	1.10	0.021
24	1.06	0.214
35	0.95	0.662
9	0.92	0.790
9	0.92	0.790
Std Dev	0.87	1.000
16	0.81	1.260
10	0.81	1.281
10	0.81	1.281
16	0.81	1.281
10	0.79	1.345
10	0.79	1.345

303 Other(describe)		
Lab	%	Fe2O3
19	1.18	-1.005
Std Dev	1.18	-1.000
19	1.11	-0.536
Median	1.03	0.000
13	0.95	0.536
Std Dev	0.88	1.000
13	0.86	1.139

401 Atomic Absorption-AFPC 9-16,17		
Lab	%	Al2O3
33	1.10	-1.340
Std Dev	1.09	-1.000
Median	1.06	0.000
Std Dev	1.02	1.000
27	1.01	1.340

402 ICP-induced coupled plasma		
Lab	%	Al2O3
77	1.44	-3.613

77	1.43	-3.493
78	1.36	-2.590
78	1.34	-2.409
51	1.30	-1.927
24	1.23	-1.084
24	1.23	-1.084
Std Dev	1.22	-1.000
9	1.17	-0.361
9	1.16	-0.241
75	1.15	-0.072
6	1.14	0.000
10	1.14	0.000
10	1.14	0.000
30	1.14	0.000
Median	1.14	0.000
10	1.14	0.060
10	1.14	0.060
49	1.13	0.120
16	1.12	0.241
16	1.12	0.301
55	1.11	0.361
75	1.11	0.367
Std Dev	1.06	1.000
15	1.05	1.084
15	1.04	1.204
35	1.00	1.638

403 Other(describe)		
Lab	%	Al2O3
19	1.60	-1.278
Std Dev	1.53	-1.000
19	1.43	-0.577
Median	1.29	0.000
13	1.15	0.577
13	1.14	0.618

501 Atomic Absorption-AFPC 9-18,19		
Lab	%	MgO
35	0.54	-1.838
27	0.51	-1.021
Std Dev	0.51	-1.000
33	0.47	0.000
36	0.47	0.000
Median	0.47	0.000

51	0.44	0.766
Std Dev	0.43	1.000
60	0.42	1.276

502 ICP-induced coupled plasma		
Lab	%	MgO
9	0.49	-1.489
Std Dev	0.48	-1.000
30	0.48	-0.893
75	0.47	-0.468
6	0.47	-0.298
9	0.47	-0.298
10	0.47	-0.298
10	0.47	-0.298
49	0.47	-0.298
10	0.47	0.000
10	0.47	0.000
16	0.47	0.000
55	0.47	0.000
Median	0.47	0.000
16	0.46	0.298
51	0.46	0.298
78	0.46	0.298
78	0.46	0.596
77	0.45	0.893
Std Dev	0.45	1.000
24	0.45	1.191
77	0.44	1.489
75	0.44	1.566
15	0.44	1.787
15	0.43	2.084
24	0.43	2.084

503 Other(describe)		
Lab	%	MgO
19	0.51	-2.010
Std Dev	0.49	-1.000
13	0.49	-0.670
19	0.48	0.000
Median	0.48	0.000
13	0.47	0.670
Std Dev	0.47	1.000
270	0.31	11.390

601 Insoluble-AFPC 9-8		
Lab	%	Al
16	13.05	-3.853
16	12.73	-1.742
10	12.69	-1.474
10	12.69	-1.474
10	12.62	-1.005
10	12.62	-1.005
Std Dev	12.62	-1.000
35	12.54	-0.435
15	12.50	-0.167
51	12.47	0.000
Median	12.47	0.000
9	12.46	0.067
15	12.45	0.134
9	12.42	0.335
33	12.42	0.335
24	12.37	0.670
24	12.37	0.670
Std Dev	12.32	1.000
6	11.86	4.087
27	11.60	5.829

602 Other(describe)		
Lab	%	Al
19	13.15	-1.272
Std Dev	13.03	-1.000
13	12.81	-0.500
19	12.59	0.000
Median	12.59	0.000
13	12.22	0.840
Std Dev	12.15	1.000
30	11.61	2.226

701 Gravimetric sulfate		
Lab	%	CaO
55	43.00	-1.340
Std Dev	42.92	-1.000
Median	42.70	0.000
Std Dev	42.48	1.000
55	42.40	1.340

702 ICP-induced coupled plasma		
Lab	%	CaO

75	45.49	-5.713
75	44.02	-2.388
77	43.60	-1.447
Std Dev	43.40	-1.000
30	43.35	-0.882
49	43.27	-0.701
77	43.00	-0.090
10	42.96	0.000
10	42.96	0.000
Median	42.96	0.000
6	42.78	0.407
10	42.78	0.407
10	42.78	0.407
78	42.66	0.690
16	42.56	0.905
Std Dev	42.52	1.000
16	42.47	1.108
78	42.39	1.300

703 Ceric Sulfate volumetric		
Lab	%	CaO
Median	0.00	0.000

704 Permanganate		
Lab	%	CaO
60	43.20	-0.837
9	43.14	-0.565
Median	43.02	0.000
9	42.89	0.565
Std Dev	42.79	1.000
27	42.77	1.131

705 EDTA Volumetric		
Lab	%	CaO
35	43.24	-1.086
Std Dev	43.18	-1.000
51	42.69	-0.300
Median	42.48	0.000
19	42.27	0.300
Std Dev	41.78	1.000
270	40.75	2.473

706 Other(describe)		
Lab	%	CaO

19	44.58	-6.042
24	43.29	-1.271
24	43.26	-1.179
Std Dev	43.21	-1.000
13	42.95	-0.037
Median	42.94	0.000
33	42.93	0.037
15	42.92	0.074
15	42.85	0.332
13	42.68	0.958

711 Gravimetric sulfate			
Lab	%	CaO	dB
Median	0.00	0.000	0.000

712 ICP-induced coupled plasma			
Lab	%	CaO	dB
30	43.71	-2.342	
10	43.43	-1.024	
10	43.43	-1.024	
Std Dev	43.43	-1.000	
10	43.22	0.000	
10	43.22	0.000	
Median	43.22	0.000	
6	43.20	0.082	
Std Dev	43.00	1.000	
16	43.00	1.018	
16	42.96	1.212	

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

714 Permanganate			
Lab	%	CaO	dB
9	43.58	-2.517	
Std Dev	43.41	-1.000	
9	43.29	0.000	
Median	43.29	0.000	
27	43.27	0.163	

715 EDTA Volumetric			
Lab	%	CaO	dB
35	43.65	-1.287	

Std Dev	43.50	-1.000
51	42.99	0.000
Median	42.99	0.000
Std Dev	42.47	1.000
19	42.27	1.393

716 Other(describe)			
Lab	%	CaO	dB
19	44.58	-4.580	
24	43.72	-1.198	
Std Dev	43.67	-1.000	
24	43.67	-0.984	
13	43.43	-0.030	
Median	43.42	0.000	
15	43.41	0.030	
15	43.34	0.301	
33	43.34	0.310	
13	43.18	0.945	

801 Volumetric-AFPC 9-37		
Lab	%	Fluorine, F
33	3.36	0.000
Median	3.36	0.000

802 Specific Ion Electrode		
Lab	%	Fluorine, F
24	3.57	-1.115
Std Dev	3.54	-1.000
49	3.49	-0.772
51	3.49	-0.772
6	3.48	-0.729
24	3.42	-0.472
27	3.40	-0.364
35	3.38	-0.309
9	3.31	0.000
Median	3.31	0.000
75	3.30	0.064
9	3.27	0.172
75	3.18	0.579
270	3.10	0.900
Std Dev	3.08	1.000
36	2.97	1.458
15	2.70	2.616
15	2.61	3.023

803 Other(describe)		
Lab	%	Fluorine, F
77	3.40	-0.688
77	3.39	-0.616
Median	3.31	0.000
13	3.22	0.616
13	3.17	0.978

911 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Arsenic, As
27	4.5	0.000
Median	4.5	0.000

912 ICP-induced coupled plasma		
Lab	ppm	Arsenic, As
270	36.0	-1.903
Std Dev	33.2	-1.000
55	31.7	-0.547
6	30.0	0.000
Median	30.0	0.000
78	27.5	0.793
Std Dev	26.8	1.000
78	23.0	2.220

913 Other(describe)		
Lab	ppm	Arsenic, As
33	28.0	-1.906
Std Dev	25.0	-1.000
13	21.6	0.000
Median	21.6	0.000
51	19.0	0.774

921 Atomic Absorption-AFPC 9-12,13		
Lab	ppm	Cadmium, Cd
27	42	-2.541
Std Dev	19	-1.000
19	5	0.000
Median	5	0.000
51	3	0.139

922 ICP-induced coupled plasma		
Lab	ppm	Cadmium, Cd
51	4	-0.536

75	4	-0.536
75	4	-0.536
77	4	-0.536
55	4	-0.071
78	4	0.000
270	4	0.000
Median	4	0.000
24	3	0.447
Std Dev	3	1.000
78	3	1.161
6	3	1.251
77	3	1.251

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	3	-1.340
Std Dev	3	-1.000
Median	3	0.000
Std Dev	2	1.000
33	2	1.340

931 Atomic Absorption-AFPC 9-16,17		
Lab	ppm	Cobalt, Co
27	15	0.000
Median	15	0.000

932 ICP-induced coupled plasma		
Lab	ppm	Cobalt, Co
51	10	-2.112
78	10	-1.384
Std Dev	9	-1.000
77	9	-0.655
78	9	-0.655
270	9	-0.218
Median	9	0.000
6	8	0.218
55	8	0.335
75	8	0.801
75	8	0.801
Std Dev	8	1.000
77	7	2.258

933 Other(describe)		
Lab	ppm	Cobalt, Co

13	9	0.000
Median	9	0.000

941 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Mercury, Hg
33	0.0	0.000
Median	0.0	0.000

33	0.0	0.000
Median	0.0	0.000

942 ICP-induced coupled plasma		
Lab	ppm	Mercury, Hg
270	0.5	0.000
Median	0.5	0.000

270	0.5	0.000
Median	0.5	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	<0.07	0.000
Median	0.0	0.000

13	<0.07	0.000
Median	0.0	0.000

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

Median	0	0.000
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952 ICP-induced coupled plasma		
Lab	ppm	lolybdenum, Mo
6	32	-1.357
55	32	-1.075
Std Dev	32	-1.000
78	31	-0.399
51	31	-0.293
Median	31	0.000
78	30	0.293
77	30	0.772
270	30	0.772
Std Dev	30	1.000
77	26	5.030

Std Dev	32	-1.000
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953 Other(describe)		
Lab	ppm	lolybdenum, Mo
13	35	0.000
Median	35	0.000

13	35	0.000
Median	35	0.000

961 Atomic Absorption-AFPC 9-12,13		
Lab	ppm	Nickel, Ni
27	34	-1.340

953 Other(describe)		
Lab	ppm	lolybdenum, Mo
13	35	0.000
Median	35	0.000

13	35	0.000
Median	35	0.000

961 Atomic Absorption-AFPC 9-12,13		
Lab	ppm	Nickel, Ni
27	34	-1.340

27	34	-1.340
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Std Dev	33	-1.000
Median	29	0.000
Std Dev	24	1.000
51	23	1.340

962 ICP-induced coupled plasma		
Lab	ppm	Nickel, Ni
78	29	-1.496
51	28	-1.030
78	28	-1.030
Std Dev	28	-1.000
6	26	-0.098
270	26	-0.098
Median	26	0.000
55	26	0.098
75	25	0.368
75	25	0.601
77	24	0.834
Std Dev	24	1.000
77	21	2.233

962 ICP-induced coupled plasma		
Lab	ppm	Nickel, Ni
78	29	-1.496
51	28	-1.030
78	28	-1.030
Std Dev	28	-1.000
6	26	-0.098
270	26	-0.098
Median	26	0.000
55	26	0.098
75	25	0.368
75	25	0.601
77	24	0.834
Std Dev	24	1.000
77	21	2.233

Std Dev	28	-1.000
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963 Other(describe)		
Lab	ppm	Nickel, Ni
19	57	-2.205
Std Dev	41	-1.000
13	28	0.000
Median	28	0.000
33	22	0.475

Std Dev	41	-1.000
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971 Atomic Absorption-AFPC 9-16,17		
Lab	ppm	Lead, Pb
27	24	0.000
Median	24	0.000

Median	24	0.000
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972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
6	16	-0.831
77	16	-0.831
78	16	-0.831
55	15	0.000
Median	15	0.000
270	15	0.063
77	14	0.956
Std Dev	14	1.000

Median	15	0.000
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972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
6	16	-0.831
77	16	-0.831
78	16	-0.831
55	15	0.000
Median	15	0.000
270	15	0.063
77	14	0.956
Std Dev	14	1.000

Median	15	0.000
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972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
6	16	-0.831
77	16	-0.831
78	16	-0.831
55	15	0.000
Median	15	0.000
270	15	0.063
77	14	0.956
Std Dev	14	1.000

972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
6	16	-0.831
77	16	-0.831
78	16	-0.831
55	15	0.000
Median	15	0.000
270	15	0.063
77	14	0.956
Std Dev	14	1.000

Median	15	0.000
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972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
6	16	-0.831
77	16	-0.831
78	16	-0.831
55	15	0.000
Median	15	0.000
270	15	0.063
77	14	0.956
Std Dev	14	1.000

Std Dev	14	1.000
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78	13	1.849
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973 Other(describe)		
Lab	ppm	Lead, Pb
13	14	-1.340
Std Dev	14	-1.000
Median	14	0.000
Std Dev	14	1.000
33	14	1.340

Std Dev	14	-1.000
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981 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Selenium, Se
Median	0	0.000

Median	0	0.000
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982 ICP-induced coupled plasma		
Lab	ppm	Selenium, Se
55	3	-1.340
Std Dev	3	-1.000
Median	3	0.000
Std Dev	3	1.000
270	3	1.340

Std Dev	3	-1.000
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982 ICP-induced coupled plasma		
Lab	ppm	Selenium, Se
55	3	-1.340
Std Dev	3	-1.000
Median	3	0.000
Std Dev	3	1.000
270	3	1.340

Std Dev	3	1.000
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983 Other(describe)		
Lab	ppm	Selenium, Se
13	5	0.000
Median	5	0.000

Median	5	0.000
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991 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Zinc, Zn
51	53	-0.306
60	51	0.000
Median	51	0.000
Std Dev	44	1.000
27	36	2.374

Median	51	0.000
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991 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Zinc, Zn
51	53	-0.306
60	51	0.000
Median	51	0.000
Std Dev	44	1.000
27	36	2.374

992 ICP-induced coupled plasma		
Lab	ppm	Zinc, Zn
24	72	-2.680
24	71	-2.515
78	63	-1.278
Std Dev	61	-1.000
78	61	-0.866
75	56	-0.124
75	56	-0.041

Std Dev	61	-1.000
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992 ICP-induced coupled plasma		
Lab	ppm	Zinc, Zn
24	72	-2.680
24	71	-2.515
78	63	-1.278
Std Dev	61	-1.000
78	61	-0.866
75	56	-0.124
75	56	-0.041

Std Dev	61	-1.000
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Median	55	0.000
6	55	0.041
55	53	0.364
51	53	0.371
270	53	0.371
Std Dev	49	1.000
77	46	1.526
77	41	2.350

993	Other(describe)	
Lab	ppm	Zinc, Zn
13	61	-2.133
Std Dev	57	-1.000
33	53	0.000
Median	53	0.000
19	51	0.547