

AFPC Rock Check Program

Sample No. 2011-03

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	25	3.33	0.123
Other (describe)	102	5	3.36	1.470
Method Group 100		30	3.33	0.16
P₂O₅				
Gravimetric AFPC IX.3.B	201	2	29.59	0.187
ICP-induced coupled plasma AFPC IX.3.D	202			
Photometric-AFPC IX.3.C	203	17	29.58	0.123
Automated -AOAC 978.01-15th	204	15	29.58	0.657
Other(describe)	205	3	30.43	0.151
Method Group 200		37	29.58	0.22
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	1	29.86	0.000
ICP-induced coupled plasma AFPC IX.3.D	212			
Photometric-AFPC IX.3.C	213	11	30.61	0.040
Automated -AOAC 978.01-15th	214	15	30.62	0.598
Other(describe)	215	3	30.86	0.381
Method Group 210		28	30.62	0.25
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	2	0.36	0.229
ICP-induced coupled plasma-AFPC IX.6.C	302	32	0.70	0.093
Other(describe)	303	2	0.47	0.002
Method Group 300		36	0.65	0.09
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	0.74	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	32	0.57	0.074
Other(describe)	403	2	0.58	0.035
Method Group 400		35	0.58	0.08
MgO				
Atomic Absorption-AFPC IX.8.A	501	2	0.57	0.004
ICP-induced coupled plasma-AFPC IX.8.B	502	31	0.58	0.030
Other(describe)	503	3	0.55	0.032
Method Group 500		36	0.58	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	3.28	0.168
Other(describe)	602	3	4.41	0.166
Method Group 600		24	3.35	0.58
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	9	4.23	0.410
Other(describe)	652	7	4.67	2.308
Method Group 650		16	4.47	0.39
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	19	45.01	0.377
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	5	46.27	0.425
EDTA Volumetric-AFPC IX.12.C	705	1	46.58	0.000
Other(describe)	706	12	44.84	0.320
Method Group 700		37	45.01	0.79
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	46.31	1.631
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	4	47.61	1.085
EDTA Volumetric-AFPC IX.12.C	715	1	48.14	0.000
Other(describe)	716	11	46.39	0.367
Method Group 710		22	46.33	2.53

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	16	2.73	0.088
Other (describe)	803	5	2.78	0.093
Method Group 800		21	2.73	0.10
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	5	6.5	5.70
Other(describe)	913	6	6.9	5.26
Method Group 900		11	6.9	5.24
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	9	41	1.9
Other(describe)	923	6	26	28.4
Method Group 910		15	41	4.1
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	6	1	0.7
Other(describe)	933	4	1	0.3
Method Group 920		10	1	0.6
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	1	0.0	0.00
Other(describe)	943			
Method Group 930		1	0.0	0.00
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	6	6	1.3
Other(describe)	953	6	7	3.5
Method Group 940		12	6	2.4
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	9	12	0.9
Other(describe)	963	6	6	6.8
Method Group 950		15	12	1.7
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	7	5	3.2
Other(describe)	973	4	6	1.4
Method Group 960		11	6	3.1
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	1	1.2
Other(describe)	983	4	3	13.1
Method Group 970		9	2	0.6
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	88	0
ICP-induced coupled plasma-AFPC IX.16.A	992	10	74	11
Other(describe)	993	3	44	10
Method Group 980		14	72	12

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
9	3.68	-2.802	
9	3.62	-2.355	
13	3.48	-1.218	
13	3.48	-1.218	
Std Dev	3.45	-1.000	
15	3.45	-0.975	
15	3.44	-0.853	
61	3.41	-0.609	
13	3.35	-0.162	
13	3.35	-0.162	
16	3.35	-0.162	
16	3.35	-0.162	
10	3.33	0.000	
75	3.33	0.000	
Median	3.33	0.000	
16	3.32	0.081	
16	3.32	0.081	
61	3.30	0.244	
10	3.29	0.365	
35	3.25	0.650	
6	3.24	0.731	
Std Dev	3.21	1.000	
75	3.16	1.381	
77	2.86	3.817	
27	2.61	5.888	
24	0.72	21.196	
24	0.69	21.440	
77	0.06	26.556	

102 Other (describe)			
Lab	%	H ₂ O	
26	3.60	-0.163	
21	3.36	0.000	
21	3.36	0.000	
Median	3.36	0.000	
Std Dev	1.89	1.000	
280	1.39	1.340	
280	1.36	1.364	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	29.84	-1.340	

Std Dev	29.78	-1.000	
Median	29.59	0.000	
Std Dev	29.40	1.000	
241	29.34	1.340	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
Median	0.00	0.000	

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
9	29.85	-2.193	
9	29.82	-1.908	
78	29.77	-1.543	
Std Dev	29.70	-1.000	
16	29.62	-0.325	
16	29.62	-0.325	
10	29.61	-0.203	
92	29.60	-0.162	
10	29.58	0.000	
16	29.58	0.000	
16	29.58	0.000	
Median	29.58	0.000	
26	29.57	0.081	
92	29.50	0.650	
Std Dev	29.46	1.000	
78	29.46	1.015	
6	29.41	1.421	
270	29.21	3.005	
60	28.80	6.335	
27	28.75	6.781	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
24	31.88	-3.502	
24	31.88	-3.495	
21	30.46	-1.340	
21	30.46	-1.340	
77	30.41	-1.264	
Std Dev	30.24	-1.000	
61	29.64	-0.091	
75	29.63	-0.076	
13	29.58	0.000	
13	29.58	0.000	

Median	29.58	0.000	
15	29.57	0.023	
15	29.56	0.030	
13	29.55	0.046	
13	29.55	0.046	
75	29.53	0.084	
Std Dev	28.92	1.000	
61	26.80	4.233	

205 Other(describe)			
Lab	%	P2O5	
35	30.75	-2.118	
Std Dev	30.58	-1.000	
280	30.43	0.000	
Median	30.43	0.000	
280	30.35	0.562	

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	29.86	0.000	
Median	29.86	0.000	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
Median	0.00	0.000	

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
9	30.99	-9.457	
9	30.93	-8.107	
26	30.67	-1.593	
Std Dev	30.65	-1.000	
16	30.64	-0.665	
16	30.64	-0.665	
10	30.61	0.000	
Median	30.61	0.000	
16	30.61	0.132	
16	30.61	0.132	
10	30.60	0.290	
Std Dev	30.57	1.000	
6	30.39	5.523	
27	29.51	27.417	

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
24	32.11	-2.489	
24	32.10	-2.481	
21	31.52	-1.508	
21	31.52	-1.508	
77	31.31	-1.151	
Std Dev	31.22	-1.000	
61	30.68	-0.114	
75	30.65	-0.057	
15	30.62	0.000	
Median	30.62	0.000	
15	30.62	0.001	
13	30.62	0.002	
13	30.62	0.002	
13	30.61	0.019	
13	30.61	0.019	
75	30.49	0.214	
Std Dev	30.02	1.000	
61	27.71	4.850	

215 Other(describe)			
Lab	%	P2O5	dB
35	31.78	-2.425	
Std Dev	31.24	-1.000	
280	30.86	0.000	
Median	30.86	0.000	
280	30.76	0.255	

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
60	0.67	-1.340	
Std Dev	0.59	-1.000	
Median	0.36	0.000	
Std Dev	0.13	1.000	
27	0.06	1.340	

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
24	1.14	-4.694	
24	1.13	-4.587	
Std Dev	0.80	-1.000	
77	0.78	-0.835	
77	0.77	-0.727	

15	0.74	-0.406
270	0.74	-0.384
241	0.74	-0.363
15	0.74	-0.352
78	0.74	-0.352
61	0.73	-0.299
78	0.73	-0.245
92	0.72	-0.191
75	0.72	-0.139
6	0.72	-0.138
92	0.71	-0.084
75	0.70	-0.023
Median	0.70	0.000
61	0.70	0.023
10	0.62	0.881
10	0.62	0.881
9	0.62	0.934
13	0.61	0.988
13	0.61	0.988
16	0.61	0.988
16	0.61	0.988
16	0.61	0.988
Std Dev	0.61	1.000
9	0.60	1.095
13	0.60	1.095
13	0.60	1.095
21	0.55	1.631
21	0.55	1.631
35	0.52	1.953

303 Other(describe)		
Lab	%	Fe2O3
280	0.48	-1.340
Std Dev	0.47	-1.000
Median	0.47	0.000
Std Dev	0.47	1.000
280	0.47	1.340

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
27	0.74	0.000
Median	0.74	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
24	1.14	-7.579
24	1.12	-7.377
78	0.89	-4.279
78	0.88	-4.144
77	0.87	-4.010
77	0.85	-3.740
241	0.73	-2.070
Std Dev	0.65	-1.000
270	0.64	-0.953
15	0.63	-0.778
15	0.63	-0.710
92	0.61	-0.508
92	0.60	-0.373
9	0.59	-0.171
21	0.58	-0.104
21	0.58	-0.104
9	0.58	-0.037
Median	0.57	0.000
75	0.57	0.037
6	0.57	0.098
75	0.56	0.205
16	0.54	0.435
16	0.54	0.435
16	0.54	0.435
16	0.54	0.435
10	0.54	0.502
10	0.53	0.569
13	0.50	0.973
13	0.50	0.973
Std Dev	0.50	1.000
13	0.49	1.108
13	0.49	1.108
35	0.45	1.647
61	0.42	2.118
61	0.39	2.522

403 Other(describe)		
Lab	%	Al2O3
280	0.63	-1.340
Std Dev	0.62	-1.000
Median	0.58	0.000
Std Dev	0.55	1.000

280	0.54	1.340
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501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
60	0.57	-1.340
Std Dev	0.57	-1.000
Median	0.57	0.000
Std Dev	0.56	1.000
35	0.56	1.340

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
13	0.66	-2.680
13	0.66	-2.680
92	0.66	-2.680
61	0.64	-2.010
77	0.63	-1.675
92	0.61	-1.005
Std Dev	0.61	-1.000
13	0.60	-0.670
13	0.60	-0.670
10	0.59	-0.168
10	0.59	-0.168
15	0.59	-0.168
15	0.59	-0.168
61	0.58	0.000
6	0.58	0.000
16	0.58	0.000
16	0.58	0.000
77	0.58	0.000
Median	0.58	0.000
9	0.58	0.168
9	0.57	0.335
16	0.57	0.335
16	0.57	0.335
241	0.56	0.804
78	0.56	0.837
Std Dev	0.55	1.000
78	0.55	1.005
21	0.54	1.340
21	0.54	1.340
270	0.54	1.508
75	0.49	2.934
75	0.49	3.073

24	0.38	6.700
24	0.38	6.700

503 Other(describe)		
Lab	%	MgO
27	0.62	-2.207
Std Dev	0.58	-1.000
280	0.55	0.000
Median	0.55	0.000
280	0.53	0.473

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
24	7.53	-25.341
24	7.49	-25.073
21	4.01	-4.377
21	4.01	-4.377
10	3.54	-1.578
10	3.45	-1.042
Std Dev	3.44	-1.000
16	3.44	-0.983
16	3.44	-0.983
16	3.35	-0.447
16	3.35	-0.447
9	3.28	0.000
Median	3.28	0.000
13	3.27	0.030
13	3.27	0.030
13	3.24	0.208
13	3.24	0.208
9	3.23	0.298
6	3.20	0.476
35	3.17	0.625
15	3.13	0.864
Std Dev	3.11	1.000
15	3.10	1.072
26	2.92	2.114

602 Other(describe)		
Lab	%	Al
280	4.49	-0.512
280	4.41	0.000

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

9	4.61	-0.938
9	4.51	-0.694
77	4.33	-0.256
15	4.28	-0.122
15	4.23	0.000
Median	4.23	0.000
61	3.93	0.721
Std Dev	3.81	1.000
13	3.78	1.084
13	3.78	1.084
61	3.57	1.608

652 Other(describe)		
Lab	%	CO2
35	9.67	-2.167
78	7.79	-1.350
78	7.68	-1.302
Std Dev	6.98	-1.000
21	4.67	0.000
21	4.67	0.000
Median	4.67	0.000
280	4.61	0.028
280	4.43	0.106

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	46.34	-3.529
92	46.28	-3.370
78	45.80	-2.083
77	45.66	-1.725
78	45.44	-1.141
Std Dev	45.39	-1.000
9	45.05	-0.106
9	45.02	-0.027
10	45.02	-0.013
77	45.01	0.000
270	45.01	0.000
Median	45.01	0.000
10	44.93	0.226
16	44.79	0.584

16	44.79	0.584
16	44.74	0.716
16	44.74	0.716
Std Dev	44.63	1.000
61	42.33	7.111
75	41.71	8.767
75	41.24	10.012
61	37.46	20.034

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

704 Permanganate		
Lab	%	CaO
21	46.70	-1.023
21	46.70	-1.023
Std Dev	46.69	-1.000
280	46.27	0.000
Median	46.27	0.000
280	46.13	0.317
Std Dev	45.84	1.000
60	44.50	4.149

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
35	46.58	0.000
Median	46.58	0.000

706 Other(describe)		
Lab	%	CaO
24	46.67	-5.735
24	46.64	-5.626
Std Dev	45.15	-1.000
15	45.14	-0.953
15	45.13	-0.906
241	44.91	-0.234
6	44.89	-0.172
Median	44.84	0.000
13	44.78	0.172
13	44.78	0.172
13	44.70	0.422
13	44.70	0.422
Std Dev	44.52	1.000

27	43.64	3.735
26	2.54	132.203

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
9	46.74	-0.265	
9	46.74	-0.263	
10	46.54	-0.144	
10	46.47	-0.100	
77	46.34	-0.016	
16	46.33	-0.011	
16	46.33	-0.011	
Median	46.31	0.000	
16	46.29	0.011	
16	46.29	0.011	
77	45.69	0.381	
Std Dev	44.68	1.000	
61	43.77	1.554	
75	43.14	1.942	
75	42.58	2.285	
61	38.78	4.616	

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

714 Permanganate			
Lab	%	CaO	dB
21	48.32	-0.656	
21	48.32	-0.656	
Median	47.61	0.000	
280	46.90	0.656	
280	46.78	0.767	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
35	48.14	0.000	
Median	48.14	0.000	

716 Other(describe)			
Lab	%	CaO	dB
24	46.99	-1.633	
24	46.97	-1.575	
Std Dev	46.76	-1.000	
15	46.75	-0.956	
15	46.74	-0.934	
13	46.39	0.000	
13	46.39	0.000	
Median	46.39	0.000	
6	46.39	0.004	
13	46.25	0.395	
13	46.25	0.395	
Std Dev	46.03	1.000	
27	44.81	4.321	
26	2.63	119.142	

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	
24	3.62	-10.150	
35	3.54	-9.294	
24	3.54	-9.237	
9	2.82	-1.083	
Std Dev	2.81	-1.000	
9	2.79	-0.741	
15	2.75	-0.285	
15	2.74	-0.171	
270	2.73	-0.057	
Median	2.73	0.000	
21	2.72	0.057	
21	2.72	0.057	
13	2.69	0.399	
13	2.69	0.399	
13	2.65	0.855	
13	2.65	0.855	
75	2.65	0.912	
Std Dev	2.64	1.000	
75	2.43	3.364	

803 Other(describe)			
Lab	%	Fluorine, F	
280	2.86	-0.858	
280	2.79	-0.054	
77	2.78	0.000	
Median	2.78	0.000	
Std Dev	2.69	1.000	
77	2.66	1.286	
27	2.40	4.074	

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

912 ICP-induced coupled plasma-AFPC IX.15.B			
Lab	ppm	Arsenic, As	
78	<1	0.000	
78	<1	0.000	
61	7.7	-0.213	
61	7.6	-0.200	
270	6.5	0.000	
Median	6.5	0.000	
Std Dev	0.8	1.000	
77	0.0	1.140	
77		1.140	

913 Other(describe)			
Lab	ppm	Arsenic, As	
27	63.2	-10.698	
Std Dev	12.2	-1.000	
6	10.3	-0.644	
13	6.9	0.000	
13	6.9	0.000	
Median	6.9	0.000	
Std Dev	1.6	1.000	
280	0.9	1.142	
280	0.4	1.237	

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	45	-2.094	
61	45	-2.078	
78	43	-1.125	
Std Dev	43	-1.000	
78	42	-0.602	
75	41	0.000	
77	41	0.000	
Median	41	0.000	
61	41	0.215	
75	40	0.523	
Std Dev	39	1.000	
270	37	2.172	

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
13	45	-0.643	
13	45	-0.643	
6	41	-0.510	
Median	26	0.000	
27	12	0.510	
280	4	0.804	
280	0	0.916	

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	
77	<1	0.000	
78	<1	0.000	
78	<1	0.000	
61	1	-0.284	
61	1	-0.146	
270	1	-0.109	
Median	1	0.000	
77	1	0.109	
75		1.568	
75		1.568	

933 Other(describe)			
Lab	ppm	Cobalt, Co	
6	2	-2.966	
Std Dev	1	-1.000	

13	1	0.000	
13	1	0.000	
Median	1	0.000	
Std Dev	1	1.000	
280	0	2.394	

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	
270	0.0	0.000	
Median	0.0	0.000	

943 Other(describe)			
Lab	ppm	Mercury, Hg	
13	<0.07	0.000	
13	<0.07	0.000	
Median		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	
61	10	-3.383	
78	8	-1.050	
Std Dev	7	-1.000	
61	6	-0.134	
Median	6	0.000	
270	6	0.134	
78	5	0.647	
Std Dev	5	1.000	
77	1	4.081	

953 Other(describe)			
Lab	ppm	Molybdenum, Mo	
27	26	-5.611	
Std Dev	10	-1.000	
6	8	-0.337	
13	7	0.000	
13	7	0.000	

Median	7	0.000	
Std Dev	3	1.000	
280	2	1.450	
280	0	1.795	

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

962 ICP-induced coupled plasma-AFPC IX.16.			
Lab	ppm	Nickel, Ni	
61	14	-2.299	
61	13	-1.458	
Std Dev	13	-1.000	
270	13	-0.804	
77	12	0.000	
77	12	0.000	
78	12	0.000	
Median	12	0.000	
75	12	0.536	
Std Dev	11	1.000	
78	11	1.608	
75	10	2.144	

963 Other(describe)			
Lab	ppm	Nickel, Ni	
6	13	-1.030	
Std Dev	13	-1.000	
13	10	-0.577	
13	10	-0.577	
Median	6	0.000	
280	2	0.577	
27	1	0.825	
280	1	0.826	

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

972 ICP-induced coupled plasma-AFPC IX.16.			
Lab	ppm	Lead, Pb	
61	17	-3.853	
Std Dev	8	-1.000	
270	6	-0.396	

61	6	-0.385
78	5	0.000
Median	5	0.000
78	3	0.633
Std Dev	2	1.000
77	1	1.266
77	0	1.583

973 Other(describe)		
Lab	ppm	Lead, Pb
6	9	-1.806
Std Dev	7	-1.000
13	6	0.000
13	6	0.000
Median	6	0.000
Std Dev	5	1.000
280	1	3.554

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
270	2	-0.690
61	2	-0.396
61	1	0.000
Median	1	0.000
77	0	0.944
77	0	0.944

983 Other(describe)		
Lab	ppm	Selenium, Se
27	66	-4.824
Std Dev	16	-1.000
6	4	-0.077
Median	3	0.000
13	2	0.077
13	2	0.077

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
60	88	0.000
Median	88	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	91	-1.522
61	88	-1.295
24	85	-1.022
61	85	-1.022
Std Dev	85	-1.000
77	75	-0.114
Median	74	0.000
270	73	0.114
78	71	0.250
75	70	0.341
75	69	0.432
78	69	0.477

993 Other(describe)		
Lab	ppm	Zinc, Zn
6	70	-2.680
Std Dev	54	-1.000
13	44	0.000
13	44	0.000
Median	44	0.000