

AFPC Rock Check Program

Sample No. 2017-01

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	29	0.76	0.078
Other (describe)	102			
Method Group 100		29	0.76	0.08
P₂O₅				
Gravimetric AFPC IX.3.B	201	3	28.57	0.118
ICP-induced coupled plasma AFPC IX.3.D	202	3	28.51	0.052
Photometric-AFPC IX.3.C	203	17	28.49	0.142
Automated -AOAC 978.01-15th	204	11	28.50	0.091
Other(describe)	205	3	28.50	0.065
Method Group 200		37	28.50	0.13
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.67	0.032
ICP-induced coupled plasma AFPC IX.3.D	212	3	28.74	0.064
Photometric-AFPC IX.3.C	213	12	28.71	0.115
Automated -AOAC 978.01-15th	214	11	28.68	0.124
Other(describe)	215	1	28.82	0.000
Method Group 210		29	28.71	0.12
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	0.82	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	28	0.80	0.032
Other(describe)	303	4	0.81	0.042
Method Group 300		33	0.80	0.04
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	1.24	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	28	1.20	0.084
Other(describe)	403	4	1.33	0.054
Method Group 400		33	1.20	0.10
MgO				
Atomic Absorption-AFPC IX.8.A	501	3	0.91	0.056
ICP-induced coupled plasma-AFPC IX.8.B	502	26	1.11	0.047
Other(describe)	503	4	1.03	0.116
Method Group 500		33	1.09	0.10
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	18	11.32	0.168
Other(describe)	602	4	11.58	0.776
Method Group 600		22	11.32	0.19
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	4.82	0.397
Other(describe)	652	6	4.88	1.163
Method Group 650		21	4.82	0.47
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	21	43.05	0.366
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704			
EDTA Volumetric-AFPC IX.12.C	705	1	43.98	0.000
Other(describe)	706	9	43.60	0.433
Method Group 700		31	43.12	0.62
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	16	43.39	0.233
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714			
EDTA Volumetric-AFPC IX.12.C	715	1	44.38	0.000
Other(describe)	716	7	43.69	0.444
Method Group 710		23	43.45	0.46

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	25	3.25	0.147
Other (describe)	803	3	3.35	0.131
Method Group 800		28	3.26	0.14
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	10	6.4	1.55
Other(describe)	913	2	6.9	0.39
Method Group 900		12	6.6	1.63
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	16	3	0.4
Other(describe)	923	1	3	0.0
Method Group 910		17	3	0.3
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	11	5	0.8
Other(describe)	933	1	6	0.0
Method Group 920		12	5	1.0
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	2	0.1	0.01
ICP-induced coupled plasma-AFPC IX.16.A	942	4	1.0	1.63
Other(describe)	943	1	0.9	0.00
Method Group 930		7	0.1	1.01
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	7	7	1.8
Other(describe)	953	1	10	0.0
Method Group 940		8	8	2.2
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	11	20	1.6
Other(describe)	963	3	27	5.9
Method Group 950		14	21	2.8
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	12	7	3.7
Other(describe)	973	1	6	0.0
Method Group 960		13	7	3.5
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	4	2	0.5
Other(describe)	983	1	3	0.0
Method Group 970		5	2	0.4
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-induced coupled plasma-AFPC IX.16.A	992	12	49	4
Other(describe)	993	3	46	14
Method Group 980		15	49	5

101 Ground Sample AFPC IX.2.A		
Lab	%	H ₂ O
52	0.98	-2.808
266	0.90	-1.787
21	0.87	-1.404
69	0.87	-1.340
Std Dev	0.84	-1.000
9	0.82	-0.702
10	0.81	-0.638
10	0.80	-0.510
49	0.80	-0.510
21	0.79	-0.383
24	0.79	-0.319
6	0.77	-0.128
49	0.77	-0.128
75	0.77	-0.128
6	0.77	-0.064
75	0.76	0.000
Median	0.76	0.000
26	0.76	0.038
35	0.73	0.383
13	0.73	0.447
15	0.73	0.447
15	0.71	0.702
9	0.70	0.766
13	0.70	0.830
24	0.69	0.957
Std Dev	0.68	1.000
275	0.62	1.787
275	0.61	1.914
35	0.47	3.701
55	0.45	3.956
77	0.20	7.147
77	0.19	7.274

102 Other (describe)		
Lab	%	H ₂ O
Median	0.00	0.000

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
55	28.58	-0.085
77	28.57	0.000
Median	28.57	0.000

Std Dev	28.45	1.000
56	28.27	2.595

202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
266	28.60	-1.723
Std Dev	28.56	-1.000
10	28.51	0.000
Median	28.51	0.000
10	28.46	0.957

203 Photometric-AFPC IX.3.C		
Lab	%	P2O5
35	28.77	-2.010
35	28.68	-1.375
Std Dev	28.63	-1.000
51	28.61	-0.882
51	28.56	-0.529
6	28.55	-0.458
9	28.50	-0.106
52	28.50	-0.106
49	28.49	-0.035
9	28.49	0.000
Median	28.49	0.000
6	28.48	0.035
49	28.42	0.458
92	28.37	0.811
92	28.36	0.882
275	28.36	0.917
Std Dev	28.34	1.000
275	28.32	1.160
45	28.32	1.164
26	28.25	1.693

204 Automated -AOAC 978.01-15th		
Lab	%	P2O5
15	28.76	-2.789
15	28.73	-2.461
24	28.60	-1.039
Std Dev	28.59	-1.000
77	28.53	-0.328
21	28.51	-0.055
21	28.50	0.000
Median	28.50	0.000

13	28.48	0.219
24	28.46	0.438
13	28.42	0.875
Std Dev	28.41	1.000
75	28.40	1.149
75	28.34	1.805

205 Other(describe)		
Lab	%	P2O5
69	28.58	-1.149
Std Dev	28.57	-1.000
19	28.50	0.000
Median	28.50	0.000
Std Dev	28.43	1.000
56	28.40	1.531

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.71	-1.340	
Std Dev	28.70	-1.000	
Median	28.67	0.000	
Std Dev	28.64	1.000	
77	28.62	1.340	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	28.86	-1.841	
Std Dev	28.81	-1.000	
10	28.74	0.000	
Median	28.74	0.000	
10	28.69	0.839	

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	28.91	-1.739	
35	28.89	-1.609	
Std Dev	28.82	-1.000	
52	28.78	-0.662	
6	28.77	-0.558	
9	28.73	-0.245	
49	28.71	-0.044	
Median	28.71	0.000	
6	28.70	0.044	
9	28.69	0.176	

49	28.65	0.495
Std Dev	28.59	1.000
275	28.53	1.541
275	28.50	1.818
26	28.46	2.138

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	28.96	-2.310	
15	28.93	-2.019	
24	28.82	-1.148	
Std Dev	28.80	-1.000	
21	28.75	-0.573	
21	28.73	-0.426	
13	28.68	0.000	
Median	28.68	0.000	
24	28.66	0.186	
13	28.63	0.419	
75	28.61	0.541	
77	28.59	0.745	
Std Dev	28.56	1.000	
75	28.55	1.007	

215 Other(describe)			
Lab	%	P2O5	dB
69	28.82	0.000	
Median	28.82	0.000	

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
55	0.82	0.000
Median	0.82	0.000

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
35	0.89	-2.928
35	0.89	-2.928
266	0.88	-2.620
75	0.85	-1.772
15	0.84	-1.387
15	0.84	-1.233
75	0.83	-1.045
Std Dev	0.83	-1.000
51	0.82	-0.771

6	0.81	-0.462
45	0.81	-0.462
92	0.81	-0.462
49	0.80	-0.154
51	0.80	-0.154
92	0.80	-0.154
Median	0.80	0.000
9	0.79	0.154
13	0.79	0.154
21	0.79	0.154
21	0.79	0.154
10	0.78	0.462
10	0.78	0.462
13	0.78	0.462
6	0.78	0.616
9	0.77	0.925
Std Dev	0.76	1.000
49	0.76	1.079
24	0.76	1.233
69	0.75	1.541
24	0.74	1.849
52	0.56	7.243

303 Other(describe)		
Lab	%	Fe2O3
77	0.84	-0.840
77	0.83	-0.600
Median	0.81	0.000
19	0.78	0.600
56	0.77	0.923

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.24	0.000
Median	1.24	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
51	1.52	-3.841
51	1.47	-3.246
266	1.45	-3.008
35	1.43	-2.769
35	1.41	-2.531
52	1.37	-2.055

92	1.29	-1.102
Std Dev	1.28	-1.000
92	1.28	-0.983
75	1.21	-0.166
21	1.21	-0.149
15	1.21	-0.089
24	1.21	-0.089
75	1.20	-0.050
49	1.20	-0.030
Median	1.20	0.000
15	1.20	0.030
6	1.19	0.089
21	1.19	0.149
6	1.18	0.208
45	1.18	0.208
49	1.18	0.208
10	1.17	0.328
10	1.17	0.328
24	1.17	0.328
9	1.16	0.447
9	1.15	0.566
Std Dev	1.11	1.000
13	1.09	1.340
13	1.09	1.340
69	0.76	5.211

403 Other(describe)		
Lab	%	Al2O3
56	1.34	-0.277
77	1.34	-0.277
Median	1.33	0.000
77	1.31	0.277
Std Dev	1.27	1.000
19	1.14	3.419

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
35	0.91	0.000
35	0.91	0.000
Median	0.91	0.000
Std Dev	0.85	1.000
55	0.76	2.680

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
15	1.25	-3.055
15	1.24	-2.734
21	1.16	-1.018
Std Dev	1.15	-1.000
92	1.15	-0.911
49	1.14	-0.697
49	1.14	-0.697
21	1.14	-0.590
6	1.13	-0.482
10	1.13	-0.482
92	1.13	-0.482
10	1.12	-0.268
24	1.11	-0.054
6	1.11	-0.054
Median	1.11	0.000
13	1.11	0.054
13	1.10	0.161
24	1.09	0.375
45	1.09	0.375
266	1.08	0.590
9	1.08	0.697
9	1.07	0.804
51	1.07	0.804
Std Dev	1.06	1.000
51	1.03	1.662
52	1.00	2.305
69	0.90	4.556
75	0.88	4.837
75	0.84	5.649

503 Other(describe)		
Lab	%	MgO
77	1.19	-1.383
Std Dev	1.15	-1.000
19	1.07	-0.346
Median	1.03	0.000
77	0.99	0.346
Std Dev	0.91	1.000
56	0.81	1.902

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

45	11.57	-1.489
55	11.55	-1.370
49	11.52	-1.191
Std Dev	11.49	-1.000
24	11.41	-0.506
9	11.37	-0.298
49	11.37	-0.298
21	11.36	-0.208
24	11.33	-0.060
15	11.32	0.000
15	11.32	0.000
Median	11.32	0.000
9	11.31	0.060
51	11.29	0.179
10	11.28	0.238
Std Dev	11.15	1.000
10	11.10	1.310
51	11.06	1.548
13	11.00	1.906
26	10.97	2.084
13	10.84	2.859

602 Other(describe)		
Lab	%	Al
19	12.75	-1.514
Std Dev	12.35	-1.000
266	12.00	-0.548
Median	11.58	0.000
6	11.15	0.548
6	11.14	0.560

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
52	6.30	-3.724
Std Dev	5.22	-1.000
15	5.21	-0.969
15	5.17	-0.868
24	5.09	-0.679
77	5.09	-0.679
13	4.88	-0.138
6	4.86	-0.101
9	4.82	0.000
13	4.82	0.000
Median	4.82	0.000

9	4.61	0.528
69	4.58	0.617
21	4.54	0.705
49	4.51	0.780
49	4.48	0.856
Std Dev	4.42	1.000
6	4.26	1.409

652 Other(describe)		
Lab	%	CO2
51	6.14	-1.081
Std Dev	6.05	-1.000
51	6.00	-0.961
24	5.20	-0.269
Median	4.88	0.000
55	4.57	0.269
56	4.13	0.647
266	3.86	0.879

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
51	45.29	-6.126
51	45.00	-5.333
52	43.90	-2.324
21	43.85	-2.174
21	43.65	-1.641
13	43.45	-1.094
Std Dev	43.42	-1.000
49	43.12	-0.191
10	43.11	-0.164
13	43.10	-0.137
6	43.05	0.000
10	43.05	0.000
Median	43.05	0.000
45	43.04	0.027
92	43.04	0.027
49	42.99	0.164
6	42.97	0.232
9	42.96	0.246
92	42.95	0.273

9	42.75	0.820
Std Dev	42.68	1.000
75	41.03	5.532
75	39.35	10.107
69	39.12	10.747

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

704 Permanganate		
Lab	%	CaO
Median	0.00	0.000

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
266	43.98	0.000
Median	43.98	0.000

706 Other(describe)		
Lab	%	CaO
56	45.08	-3.419
77	44.30	-1.617
Std Dev	44.03	-1.000
15	43.92	-0.739
15	43.77	-0.393
77	43.60	0.000
Median	43.60	0.000
19	43.47	0.300
24	43.34	0.601
Std Dev	43.17	1.000
24	43.15	1.040
55	42.82	1.802

707 ICP-induced coupled plasma-AFPC IX.12.D		
Lab	%	CaO
51	45.29	-6.126
51	45.00	-5.333
52	43.90	-2.324
21	43.85	-2.174
21	43.65	-1.641
13	43.45	-1.094
Std Dev	43.42	-1.000
49	43.12	-0.191
10	43.11	-0.164
13	43.10	-0.137
6	43.05	0.000
10	43.05	0.000
Median	43.05	0.000
45	43.04	0.027
92	43.04	0.027
49	42.99	0.164
6	42.97	0.232
9	42.96	0.246
92	42.95	0.273

711 Gravimetric sulfate-AFPC IX.12.A		
Lab	%	CaO
Median	0.00	0.000

712 ICP-induced coupled plasma-AFPC IX.12.D		
Lab	%	CaO
52	44.33	-4.041
21	44.19	-3.439
21	44.03	-2.749
13	43.77	-1.610

Std Dev	43.63	-1.000
10	43.46	-0.283
49	43.45	-0.270
13	43.40	-0.043
10	43.40	-0.042
Median	43.39	0.000
6	43.38	0.042
49	43.34	0.236
6	43.30	0.400
9	43.26	0.552
Std Dev	43.16	1.000
9	43.10	1.245
75	41.35	8.771
75	39.66	16.015
69	39.46	16.847

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

714 Permanganate			
Lab	%	CaO	dB
Median	0.00	0.000	0.000

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	44.38	0.000	
Median	44.38	0.000	

716 Other(describe)			
Lab	%	CaO	dB
77	44.38	-1.568	
15	44.23	-1.225	
Std Dev	44.13	-1.000	
15	44.09	-0.905	
77	43.69	0.000	
Median	43.69	0.000	
24	43.68	0.010	
24	43.45	0.540	
Std Dev	43.24	1.000	
55	43.01	1.516	

801 Volumetric-AFPC IX.14.A		
Lab	%	Fluorine, F

Median	0.00	0.000
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802 Specific Ion Electrode-AFPC IX.14.B		
Lab	%	Fluorine, F
35	48.00	#####
35	3.51	-1.764
52	3.50	-1.696
69	3.49	-1.594
21	3.46	-1.425
26	3.46	-1.425
Std Dev	3.40	-1.000
13	3.38	-0.882
9	3.35	-0.645
21	3.35	-0.645
266	3.32	-0.475
51	3.28	-0.204
15	3.26	-0.068
15	3.25	0.000
51	3.25	0.000
Median	3.25	0.000
24	3.24	0.068
6	3.23	0.170
49	3.22	0.204
13	3.22	0.204
6	3.18	0.458
9	3.16	0.645
49	3.14	0.746
75	3.12	0.916
Std Dev	3.10	1.000
24	3.10	1.052
75	3.10	1.052
55	2.95	2.035

803 Other(describe)		
Lab	%	Fluorine, F
19	3.59	-1.838
Std Dev	3.48	-1.000
77	3.35	0.000
Median	3.35	0.000
77	3.24	0.842

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	
35	14.0	-4.908	
35	11.0	-2.971	
Std Dev	7.9	-1.000	
266	7.1	-0.452	
24	7.0	-0.387	
24	6.8	-0.258	
Median	6.4	0.000	
77	6.0	0.258	
51	5.0	0.904	
51	5.0	0.904	
Std Dev	4.9	1.000	
52	4.4	1.292	
69	3.9	1.637	

913 Other(describe)			
Lab	ppm	Arsenic, As	
13	7.4	-1.340	
Std Dev	7.3	-1.000	
Median	6.9	0.000	
Std Dev	6.5	1.000	
77	6.4	1.340	

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	
35	5	-3.911	
51	5	-3.911	
35	4	-1.541	
51	4	-1.541	
Std Dev	4	-1.000	
275	4	-0.522	
69	3	-0.344	
266	3	-0.095	
24	3	0.000	
75	3	0.000	
Median	3	0.000	
275	3	0.093	
75	3	0.119	

24	3	0.474	
45	3	0.830	
52	3	0.830	
77	3	0.830	
Std Dev	3	1.000	
77	2	4.385	

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
13	3	0.000	
Median	3	0.000	

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	7	-2.802	
35	6	-1.584	
Std Dev	6	-1.000	
266	5	-0.487	
77	5	-0.365	
24	5	-0.244	
24	5	0.000	
Median	5	0.000	
69	5	0.244	
45	4	0.853	
75	4	0.975	
Std Dev	4	1.000	
75	3	1.584	
77	3	2.071	

933 Other(describe)			
Lab	ppm	Cobalt, Co	
13	6	0.000	
Median	6	0.000	

941 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Mercury, Hg	
275	0.1	-1.340	
Std Dev	0.1	-1.000	
Median	0.1	0.000	
Std Dev	0.1	1.000	

275	0.1	1.340	
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942 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Mercury, Hg	
35	3.0	-1.200	
Std Dev	2.7	-1.000	
35	2.0	-0.587	
Median	1.0	0.000	
266	0.1	0.587	
69	0.0	0.638	

943 Other(describe)			
Lab	ppm	Mercury, Hg	
13	0.9	0.000	
Median	0.9	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	
266	11	-1.750	
45	10	-1.477	
Std Dev	9	-1.000	
77	8	-0.383	
24	7	0.000	
Median	7	0.000	
24	7	0.109	
77	6	0.711	
Std Dev	5	1.000	
69	0	3.993	

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	
Median	0	0.000	

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	

35	23	-1.827	
77	22	-1.218	
Std Dev	22	-1.000	
52	22	-0.914	
75	21	-0.518	
75	20	-0.091	
24	20	0.000	
Median	20	0.000	
35	19	0.609	
77	19	0.609	
24	19	0.640	
Std Dev	18	1.000	
266	18	1.035	
69	0	12.182	

963 Other(describe)			
Lab	ppm	Nickel, Ni	
19	39	-2.023	
Std Dev	33	-1.000	
19	27	0.000	
Median	27	0.000	
13	23	0.657	

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	
275	10	-0.722	
266	9	-0.663	
275	9	-0.465	
35	8	-0.273	
51	8	-0.273	
35	7	0.000	
51	7	0.000	
Median	7	0.000	
24	4	0.750	
24	3	0.995	
Std Dev	3	1.000	
77	3	1.091	
77	1	1.636	
69	0	1.909	

973 Other(describe)			
Lab	ppm	Lead, Pb	
13	6	0.000	
Median	6	0.000	

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	
266	2	-0.858	
77	2	-0.214	
Median	2	0.000	
77	2	0.214	
Std Dev	1	1.000	
69	0	3.216	

983 Other(describe)			
Lab	ppm	Selenium, Se	
13	3	0.000	
Median	3	0.000	

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
Median	0	0.000	

992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
24	121	-20.199	
24	120	-20.044	
75	54	-1.481	
Std Dev	53	-1.000	
75	52	-0.917	
266	50	-0.141	
35	49	0.000	
45	49	0.000	
52	49	0.000	
Median	49	0.000	
35	48	0.282	
77	48	0.282	
Std Dev	45	1.000	
77	42	1.975	
69	0	13.823	

993 Other(describe)			
Lab	ppm	Zinc, Zn	
13	65	-1.333	
Std Dev	60	-1.000	
19	46	0.000	
Median	46	0.000	
Std Dev	32	1.000	
19	27	1.347	