

AFPC Rock Check Program

Sample No. 2019-01

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	30	0.97	0.063
Other (describe)	102	1	0.75	
Method Group 100		31	0.97	0.07
P₂O₅				
Gravimetric AFPC IX.3.B	201	3	28.80	0.037
ICP-induced coupled plasma AFPC IX.3.D	202	2	28.76	0.065
Photometric-AFPC IX.3.C	203	24	28.79	0.137
Automated -AOAC 978.01-15th	204	9	28.76	0.075
Other(describe)	205	4	29.47	1.092
Method Group 200		42	28.80	0.15
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	29.14	0.031
ICP-induced coupled plasma AFPC IX.3.D	212	2	29.04	0.066
Photometric-AFPC IX.3.C	213	16	29.04	0.131
Automated -AOAC 978.01-15th	214	9	29.03	0.090
Other(describe)	215	2	30.41	0.026
Method Group 210		31	29.06	0.14
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	0.71	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	26	0.82	0.089
Other(describe)	303	6	1.01	0.108
Method Group 300		33	0.85	0.11
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	0.78	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	26	0.81	0.074
Other(describe)	403	6	1.10	0.310
Method Group 400		33	0.81	0.11
MgO				
Atomic Absorption-AFPC IX.8.A	501	4	0.82	0.004
ICP-induced coupled plasma-AFPC IX.8.B	502	25	0.85	0.019
Other(describe)	503	6	0.77	0.097
Method Group 500		35	0.84	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	8.73	0.321
Other(describe)	602	5	8.99	0.612
Method Group 600		25	8.74	0.34
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	4.41	0.345
Other(describe)	652	6	5.29	2.028
Method Group 650		20	4.50	0.85
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	18	44.44	0.326
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	4	44.36	0.310
EDTA Volumetric-AFPC IX.12.C	705	1	43.68	0.000
Other(describe)	706	10	44.54	0.136
Method Group 700		33	44.46	0.32
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	13	44.87	0.315
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	4	44.75	0.402
EDTA Volumetric-AFPC IX.12.C	715	1	44.09	0.000
Other(describe)	716	8	44.98	0.233
Method Group 710		25	44.87	0.40

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	26	3.42	0.091
Other (describe)	803	4	3.49	0.063
Method Group 800		30	3.43	0.09
Arsenic, As				
Atomic Absorption	911	1	1.6	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	8	18.5	4.85
Other(describe)	913	4	15.5	7.30
Method Group 900		13	18.0	6.01
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	10	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	13	2	0.7
Other(describe)	923	3	5	1.4
Method Group 910		17	2	0.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	5	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	8	1	1.5
Other(describe)	933	3		0.8
Method Group 920		12	1	1.7
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	1.0	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	2	28.5	0.37
Other(describe)	943	1	0.0	0.00
Method Group 930		4	14.5	20.52
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	6	8	1.9
Other(describe)	953	1	12	0.0
Method Group 940		7	9	1.7
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	14	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	9	9	1.3
Other(describe)	963	4	10	3.0
Method Group 950		14	9	1.9
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	13	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	10	10	0.9
Other(describe)	973	3	10	1.1
Method Group 960		14	10	1.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	1	1	0.0
Other(describe)	983	3	10	3.3
Method Group 970		4	6	6.2
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	32	0
ICP-induced coupled plasma-AFPC IX.16.A	992	11	27	3
Other(describe)	993	4	19	6
Method Group 980		16	27	4

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
52	1.15	-2.840	
9	1.05	-1.240	
26	1.04	-1.080	
77	1.04	-1.080	
Std Dev	1.04	-1.000	
77	1.03	-0.920	
30	1.02	-0.760	
24	1.02	-0.680	
21	1.00	-0.440	
9	1.00	-0.360	
13	1.00	-0.360	
24	0.99	-0.280	
26	0.99	-0.280	
75	0.99	-0.280	
55	0.98	-0.120	
21	0.98	-0.040	
Median	0.97	0.000	
10	0.97	0.040	
10	0.97	0.120	
13	0.97	0.120	
75	0.97	0.120	
49	0.96	0.280	
35	0.93	0.680	
15	0.93	0.680	
Std Dev	0.91	1.000	
49	0.91	1.000	
15	0.90	1.160	
275	0.83	2.280	
275	0.81	2.600	
20	0.77	3.320	
27	0.76	3.400	
27	0.74	3.720	
35	0.11	13.800	

102 Other (describe)			
Lab	%	H ₂ O	
20	0.75	0.000	
Median	0.75	0.000	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
55	28.90	-2.680	

Std Dev	28.84	-1.000	
77	28.80	0.000	
Median	28.80	0.000	
56	28.80	0.000	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
10	28.85	-1.340	
Std Dev	28.82	-1.000	
Median	28.76	0.000	
Std Dev	28.69	1.000	
10	28.67	1.340	

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	29.12	-2.425	
10	29.08	-2.133	
10	29.07	-2.060	
35	29.00	-1.550	
26	28.98	-1.404	
Std Dev	28.92	-1.000	
92	28.89	-0.747	
51	28.84	-0.383	
275	28.84	-0.383	
49	28.83	-0.273	
26	28.82	-0.237	
275	28.82	-0.237	
51	28.80	-0.091	
Median	28.79	0.000	
9	28.78	0.091	
237	28.76	0.237	
92	28.75	0.273	
9	28.73	0.456	
21	28.70	0.638	
49	28.67	0.857	
21	28.67	0.893	
Std Dev	28.65	1.000	
30	28.62	1.221	
30	28.59	1.440	
27	28.52	1.951	
52	28.50	2.097	
27	28.31	3.482	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
13	29.01	-3.350	
13	28.90	-1.809	
Std Dev	28.83	-1.000	
77	28.81	-0.670	
15	28.76	0.000	
15	28.76	0.000	
Median	28.76	0.000	
24	28.75	0.201	
75	28.71	0.670	
Std Dev	28.69	1.000	
24	28.64	1.608	
75	28.53	3.149	

205 Other(describe)			
Lab	%	P2O5	
20	30.22	-0.687	
20	30.14	-0.618	
Median	29.47	0.000	
56	28.79	0.618	
19	28.41	0.966	

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	29.19	-1.340	
Std Dev	29.18	-1.000	
Median	29.14	0.000	
Std Dev	29.11	1.000	
77	29.10	1.340	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
10	29.13	-1.340	
Std Dev	29.10	-1.000	
Median	29.04	0.000	
Std Dev	28.97	1.000	
10	28.95	1.340	

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
26	29.28	-1.847	
35	29.27	-1.753	
Std Dev	29.17	-1.000	

35	29.15	-0.836	
26	29.11	-0.501	
49	29.10	-0.461	
275	29.08	-0.296	
9	29.06	-0.165	
275	29.06	-0.097	
Median	29.04	0.000	
9	29.03	0.097	
21	28.98	0.458	
21	28.95	0.672	
49	28.93	0.834	
30	28.91	0.974	
Std Dev	28.91	1.000	
52	28.83	1.611	
27	28.73	2.366	
27	28.53	3.937	

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
13	29.29	-2.931	
13	29.19	-1.734	
Std Dev	29.12	-1.000	
77	29.11	-0.891	
24	29.03	-0.027	
15	29.03	0.000	
Median	29.03	0.000	
15	29.02	0.098	
75	28.99	0.449	
Std Dev	28.94	1.000	
24	28.93	1.075	
75	28.81	2.452	

215 Other(describe)			
Lab	%	P2O5	dB
20	30.44	-1.340	
Std Dev	30.43	-1.000	
Median	30.41	0.000	
Std Dev	30.38	1.000	
20	30.37	1.340	

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
55	0.71	0.000	
Median	0.71	0.000	

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3

52	1.10	-3.163
275	1.02	-2.268
275	0.97	-1.708
35	0.95	-1.484
35	0.95	-1.484
15	0.92	-1.148
15	0.92	-1.148
Std Dev	0.91	-1.000
51	0.90	-0.924
51	0.87	-0.588
92	0.87	-0.588
92	0.85	-0.364
237	0.85	-0.308
9	0.82	-0.028
Median	0.82	0.000
21	0.82	0.028
9	0.81	0.140
10	0.81	0.140
24	0.81	0.140
49	0.80	0.196
75	0.80	0.237
10	0.80	0.252
13	0.80	0.252
13	0.80	0.252
49	0.79	0.308
21	0.78	0.420
24	0.78	0.476
75	0.77	0.478

303 Other(describe)		
Lab	%	Fe2O3

56	1.26	-2.310
Std Dev	1.12	-1.000
77	1.03	-0.185
77	1.03	-0.185
Median	1.01	0.000
19	0.99	0.185
Std Dev	0.90	1.000
20	0.85	1.479
20	0.80	1.941

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

55	0.78	0.000
Median	0.78	0.000

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

52	1.50	-9.396
275	1.04	-3.154
275	0.96	-2.068
35	0.93	-1.661
35	0.91	-1.390
Std Dev	0.88	-1.000
24	0.86	-0.711
92	0.86	-0.711
51	0.84	-0.440
237	0.83	-0.304
49	0.82	-0.101
24	0.81	-0.033
51	0.81	-0.033
92	0.81	-0.033
Median	0.81	0.000
75	0.81	0.033
9	0.80	0.171
9	0.79	0.239
49	0.77	0.510
75	0.77	0.524
10	0.76	0.646
10	0.76	0.714
15	0.75	0.849
15	0.75	0.849
21	0.75	0.849
Std Dev	0.73	1.000
13	0.70	1.460
13	0.70	1.460
21	0.70	1.460

403 Other(describe)		
Lab	%	Al2O3

56	1.54	-1.437
Std Dev	1.40	-1.000
77	1.33	-0.759
77	1.28	-0.597
Median	1.10	0.000

20	0.91	0.597
20	0.90	0.630
Std Dev	0.79	1.000
19	0.74	1.146

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

27	0.83	-2.680
Std Dev	0.82	-1.000
35	0.82	0.000
55	0.82	0.000
Median	0.82	0.000
Std Dev	0.82	1.000
27	0.81	2.680

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

275	0.95	-5.360
275	0.95	-5.360
52	0.92	-3.752
75	0.90	-2.789
21	0.88	-1.340
35	0.87	-1.072
Std Dev	0.87	-1.000
51	0.86	-0.536
21	0.86	-0.268
49	0.86	-0.268
10	0.85	0.000
13	0.85	0.000
15	0.85	0.000
49	0.85	0.000
92	0.85	0.000
Median	0.85	0.000
10	0.84	0.536
24	0.84	0.536
51	0.84	0.536
92	0.84	0.536
15	0.84	0.804
Std Dev	0.83	1.000
75	0.83	1.241
9	0.83	1.340
13	0.83	1.340
9	0.82	1.608
24	0.82	1.608

237	0.81	2.144
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503 Other(describe)		
Lab	%	MgO

56	0.86	-0.979
77	0.85	-0.876
77	0.80	-0.361
Median	0.77	0.000
19	0.73	0.361
20	0.70	0.670
20	0.69	0.825

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

10	9.17	-1.356
15	9.12	-1.200
15	9.07	-1.060
Std Dev	9.05	-1.000
9	9.03	-0.919
26	9.02	-0.904
26	8.99	-0.810
9	8.98	-0.763
35	8.81	-0.249
30	8.79	-0.187
49	8.74	-0.031
Median	8.73	0.000
51	8.72	0.031
55	8.72	0.031
24	8.68	0.171
49	8.59	0.436
51	8.57	0.499
35	8.56	0.530
13	8.56	0.530
24	8.55	0.577
13	8.44	0.919
Std Dev	8.41	1.000
10	8.39	1.060

602 Other(describe)		
Lab	%	Al

19	10.40	-2.304
Std Dev	9.60	-1.000
21	9.04	-0.082
21	8.99	0.000

Median	8.99	0.000
Std Dev	8.38	1.000
20	8.22	1.258
20	8.22	1.266

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
15	5.67	-3.651
15	5.67	-3.651
Std Dev	4.76	-1.000
24	4.60	-0.550
77	4.56	-0.435
24	4.55	-0.406
21	4.46	-0.145
21	4.46	-0.145
Median	4.41	0.000
30	4.36	0.145
9	4.19	0.637
13	4.11	0.869
9	4.09	0.927
49	4.07	1.000
Std Dev	4.06	1.000
13	4.01	1.173
49	2.96	4.201

652 Other(describe)		
Lab	%	CO2
35	8.36	-1.514
35	8.11	-1.391
Std Dev	7.32	-1.000
51	5.37	-0.039
Median	5.29	0.000
51	5.21	0.039
55	4.54	0.370
56	3.89	0.690

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
75	46.59	-6.562
51	45.06	-1.891

51	44.94	-1.524
Std Dev	44.77	-1.000
10	44.69	-0.758
21	44.69	-0.743
92	44.56	-0.360
9	44.52	-0.237
9	44.49	-0.145
10	44.45	-0.023
Median	44.44	0.000
13	44.44	0.023
92	44.43	0.038
49	44.28	0.513
35	44.22	0.681
13	44.22	0.697
49	44.14	0.927
Std Dev	44.12	1.000
21	43.92	1.600
75	43.72	2.207
237	43.09	4.143

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

704 Permanganate		
Lab	%	CaO
55	44.70	-1.114
Std Dev	44.66	-1.000
30	44.54	-0.597
Median	44.36	0.000
27	44.17	0.597
27	44.15	0.662

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
35	43.68	0.000
Median	43.68	0.000

706 Other(describe)		
Lab	%	CaO
15	44.70	-1.175
77	44.70	-1.175
Std Dev	44.68	-1.000
24	44.65	-0.771

15	44.62	-0.587
56	44.59	-0.367
Median	44.54	0.000
19	44.49	0.367
24	44.46	0.587
20	44.46	0.624
20	44.41	0.991
Std Dev	44.40	1.000
77	44.00	3.965

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
75	47.05	-6.930	
Std Dev	45.18	-1.000	
10	45.13	-0.825	
21	45.12	-0.816	
9	44.97	-0.316	
9	44.96	-0.299	
10	44.88	-0.048	
13	44.87	0.000	
Median	44.87	0.000	
49	44.70	0.527	
13	44.66	0.662	
Std Dev	44.55	1.000	
49	44.55	1.024	
21	44.36	1.601	
35	44.27	1.903	
75	44.15	2.286	

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

714 Permanganate			
Lab	%	CaO	dB
55	45.14	-0.979	
30	45.00	-0.622	
Median	44.75	0.000	
27	44.50	0.622	
27	44.49	0.650	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
35	44.09	0.000	
Median	44.09	0.000	0.000

716 Other(describe)			
Lab	%	CaO	dB
77	45.17	-0.808	
15	45.11	-0.553	
24	45.09	-0.490	
15	45.04	-0.264	
Median	44.98	0.000	
24	44.92	0.264	
20	44.80	0.773	
Std Dev	44.74	1.000	
20	44.74	1.018	
77	44.46	2.214	

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	3.67	-2.789	
27	3.64	-2.461	
27	3.57	-1.696	
26	3.55	-1.477	
49	3.52	-1.149	
Std Dev	3.51	-1.000	
26	3.49	-0.820	
15	3.46	-0.438	
24	3.45	-0.328	
35	3.44	-0.273	
15	3.44	-0.219	
9	3.43	-0.164	
9	3.43	-0.109	
75	3.43	-0.109	
Median	3.42	0.000	
21	3.41	0.109	
52	3.40	0.164	
13	3.39	0.328	
51	3.38	0.383	

55	3.38	0.383
35	3.36	0.602
Std Dev	3.32	1.000
49	3.32	1.039
75	3.32	1.094
51	3.31	1.149
13	3.25	1.805
275	3.24	1.914
21	3.15	2.953
30	3.13	3.118

803 Other(describe)		
Lab	%	Fluorine, F
77	3.60	-1.720
Std Dev	3.56	-1.000
77	3.52	-0.440
Median	3.49	0.000
20	3.47	0.440
20	3.43	1.000

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	1.6	0.000
Median	1.6	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
24	22.7	-0.856
24	22.0	-0.722
77	20.0	-0.309
35	19.0	-0.103
Median	18.5	0.000
35	18.0	0.103
51	14.0	0.928
52	14.0	0.928
Std Dev	13.6	1.000
51	12.0	1.340

913 Other(describe)		
Lab	ppm	Arsenic, As
77	22.0	-0.886
13	20.1	-0.620
Median	15.5	0.000
20	11.0	0.620

20	10.0	0.756
921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	10	0.000
Median	10	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
51	3	-1.742
77	3	-1.072
Std Dev	2	-1.000
75	2	-0.536
35	2	-0.402
51	2	-0.402
75	2	-0.067
77	2	0.000
Median	2	0.000
275	2	0.181
275	2	0.241
35	1	0.938
Std Dev	1	1.000
52	0	1.876
24	0	2.278
24	0	2.278

923 Other(describe)		
Lab	ppm	Cadmium, Cd
20	6	-0.701
20	5	0.000
Median	5	0.000
Std Dev	3	1.000
13	2	1.979

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	5	0.000
Median	5	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
77	3	-1.356
Std Dev	3	-1.000
77	2	-0.840

35	2	-0.646
35	2	-0.646
Median	1	0.000
24	0	0.646
24	0	0.646
75	0	0.646
75	0	0.646

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	2	-2.680
Std Dev	1	-1.000
20	0	0.000
20	0	0.000
Median	0	0.000

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
55	1.0	0.000
Median	1.0	0.000

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
24	29.0	-1.340
Std Dev	28.9	-1.000
Median	28.5	0.000
Std Dev	28.1	1.000
24	28.0	1.340

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	0.0	0.000
Median	0.0	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
20	9	-0.399
24	9	-0.374
24	9	-0.322
Median	8	0.000

77	8	0.322
Std Dev	6	1.000
77	6	1.198
20	5	1.662

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	12	0.000
Median	12	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	14	0.000
Median	14	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
35	13	-2.978
24	11	-1.414
Std Dev	10	-1.000
77	10	-0.596
77	9	-0.074
35	9	0.000
Median	9	0.000
24	8	0.707
52	8	0.744
Std Dev	8	1.000
75	5	3.350
75	4	3.611

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	20	-3.455
Std Dev	13	-1.000
20	11	-0.253
Median	10	0.000
20	9	0.253
13	9	0.388

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	13	0.000
Median	13	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Lead, Pb	
51	12	-2.324	
51	11	-1.246	
Std Dev	11	-1.000	
275	10	-0.264	
35	10	-0.167	
35	10	-0.167	
Median	10	0.000	
275	10	0.167	
77	10	0.372	
Std Dev	9	1.000	
77	9	1.343	
24	4	6.735	
24	3	7.706	

973 Other(describe)			
Lab	ppm	Lead, Pb	
13	12	-2.210	
Std Dev	11	-1.000	
20	10	0.000	
Median	10	0.000	
20	9	0.470	

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	
77	1	0.000	
Median	1	0.000	

983 Other(describe)			
Lab	ppm	Selenium, Se	
20	11	-0.303	
20	10	0.000	
Median	10	0.000	
Std Dev	7	1.000	
13	2	2.377	

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
55	32	0.000	

Median	32	0.000	
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992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
24	40	-3.829	
24	38	-3.039	
35	31	-1.067	
Std Dev	31	-1.000	
35	30	-0.774	
77	29	-0.482	
75	27	0.000	
Median	27	0.000	
75	27	0.102	
52	26	0.395	
275	26	0.444	
275	24	0.888	
77	24	0.979	

993 Other(describe)			
Lab	ppm	Zinc, Zn	
19	27	-1.519	
Std Dev	24	-1.000	
20	19	-0.089	
Median	19	0.000	
20	18	0.089	
Std Dev	13	1.000	
13	0	3.305	