

AFPC Rock Check Program

Sample No. 2016-09

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	0.51	0.063
Other (describe)	102	1	0.59	
Method Group 100		29	0.52	0.07
P₂O₅				
Gravimetric AFPC IX.3.B	201	4	28.35	0.084
ICP-induced coupled plasma AFPC IX.3.D	202	3	28.31	0.015
Photometric-AFPC IX.3.C	203	19	28.35	0.149
Automated -AOAC 978.01-15th	204	8	28.25	0.160
Other(describe)	205	3	27.79	0.159
Method Group 200		37	28.31	0.18
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	28.45	0.085
ICP-induced coupled plasma AFPC IX.3.D	212	3	28.47	0.022
Photometric-AFPC IX.3.C	213	12	28.51	0.064
Automated -AOAC 978.01-15th	214	8	28.41	0.194
Other(describe)	215	2	27.81	0.084
Method Group 210		27	28.49	0.18
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	1.24	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	26	1.43	0.340
Other(describe)	303	7	1.42	0.246
Method Group 300		34	1.41	0.29
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	1.20	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	27	1.14	0.088
Other(describe)	403	7	1.36	0.331
Method Group 400		35	1.15	0.15
MgO				
Atomic Absorption-AFPC IX.8.A	501	3	0.62	0.093
ICP-induced coupled plasma-AFPC IX.8.B	502	27	0.54	0.034
Other(describe)	503	6	0.57	0.062
Method Group 500		36	0.55	0.05
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	18	14.41	0.340
Other(describe)	602	5	14.51	0.519
Method Group 600		23	14.41	0.34
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	12	3.46	0.156
Other(describe)	652	10	3.47	0.424
Method Group 650		22	3.46	0.17
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	23	41.69	0.677
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.30	0.000
EDTA Volumetric-AFPC IX.12.C	705	3	43.39	0.709
Other(describe)	706	8	42.70	1.746
Method Group 700		35	41.96	0.76
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	16	42.11	0.265
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	42.47	0.000
EDTA Volumetric-AFPC IX.12.C	715	3	43.60	0.616
Other(describe)	716	6	43.66	2.356
Method Group 710		25	42.27	1.16

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	20	3.22	0.107
Other (describe)	803	5	3.17	0.196
Method Group 800		25	3.22	0.12
Arsenic, As				
Atomic Absorption	911	1	9.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	9	31.5	3.71
Other(describe)	913	2	14.7	10.16
Method Group 900		12	29.1	3.92
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	4	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	14	3	0.6
Other(describe)	923	5	6	2.0
Method Group 910		20	3	0.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	9	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	14	4	0.7
Other(describe)	933	5	5	1.9
Method Group 920		20	5	0.8
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	2	0.1	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	4	0.3	0.41
Other(describe)	943	3	0.0	0.43
Method Group 930		9	0.1	0.41
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	8	18	2.0
Other(describe)	953	3	17	7.5
Method Group 940		12	17	2.0
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	11	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	14	18	3.8
Other(describe)	963	5	20	8.0
Method Group 950		20	18	4.3
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	12	13	4.2
Other(describe)	973	5	4	7.2
Method Group 960		18	12	4.7
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	2	1	1.0
Other(describe)	983	3	4	16.4
Method Group 970		6	2	2.5
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	41	0
ICP-induced coupled plasma-AFPC IX.16.A	992	14	43	3
Other(describe)	993	4	43	0
Method Group 980		19	43	2

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
15	1.06		-8.720
266	0.90		-6.240
6	0.67		-2.480
55	0.64		-2.080
21	0.60		-1.440
21	0.59		-1.280
Std Dev	0.57		-1.000
10	0.57		-0.960
6	0.56		-0.800
75	0.56		-0.800
10	0.55		-0.640
275	0.54		-0.480
26	0.52		-0.144
75	0.52		-0.080
275	0.52		-0.080
Median	0.51		0.000
13	0.51		0.080
61	0.50		0.160
20	0.49		0.320
9	0.48		0.480
13	0.48		0.480
35	0.48		0.480
49	0.48		0.480
9	0.48		0.560
Std Dev	0.45		1.000
61	0.41		1.600
30	0.40		1.760
20	0.37		2.240
35	0.30		3.360
77	0.10		6.560
77	0.02		7.840

102 Other (describe)			
Lab	%	H ₂ O	
69	0.59		0.000
Median	0.59		0.000

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
55	28.38		-0.357
56	28.37		-0.238
Median	28.35		0.000

77	28.33		0.238
Std Dev	28.27		1.000
65	28.05		3.573

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
10	28.31		0.000
10	28.31		0.000
Median	28.31		0.000
Std Dev	28.30		1.000
266	28.27		2.680

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
45	28.58		-1.541
9	28.54		-1.273
9	28.54		-1.240
Std Dev	28.50		-1.000
35	28.45		-0.670
30	28.44		-0.603
69	28.39		-0.268
78	28.38		-0.201
26	28.37		-0.147
35	28.37		-0.134
49	28.35		0.000
Median	28.35		0.000
6	28.34		0.067
6	28.32		0.235
92	28.30		0.335
45	28.26		0.603
Std Dev	28.20		1.000
270	28.17		1.206
61	28.15		1.374
92	28.14		1.407
61	28.04		2.077
78	28.04		2.077

45	28.58		-1.541
9	28.54		-1.273
9	28.54		-1.240
Std Dev	28.50		-1.000
35	28.45		-0.670
30	28.44		-0.603
69	28.39		-0.268
78	28.38		-0.201
26	28.37		-0.147
35	28.37		-0.134
49	28.35		0.000
Median	28.35		0.000
6	28.34		0.067
6	28.32		0.235
92	28.30		0.335
45	28.26		0.603
Std Dev	28.20		1.000
270	28.17		1.206
61	28.15		1.374
92	28.14		1.407
61	28.04		2.077
78	28.04		2.077

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
15	28.48		-1.395
13	28.45		-1.207
Std Dev	28.41		-1.000
13	28.39		-0.831
75	28.29		-0.235

Median	28.25		0.000
75	28.22		0.235
77	28.21		0.266
21	28.12		0.862
21	28.10		0.987

205 Other(describe)			
Lab	%	P2O5	
56	28.02		-1.482
Std Dev	27.94		-1.000
20	27.79		0.000
Median	27.79		0.000
Std Dev	27.63		1.000
20	27.60		1.198

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.56		-1.340
Std Dev	28.53		-1.000
Median	28.45		0.000
Std Dev	28.36		1.000
77	28.34		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	28.53		-2.425
Std Dev	28.49		-1.000
10	28.47		0.000
Median	28.47		0.000
10	28.47		0.255

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
9	28.68		-2.563
9	28.67		-2.507
35	28.59		-1.172
Std Dev	28.58		-1.000
69	28.56		-0.700
30	28.55		-0.656
26	28.52		-0.121
Median	28.51		0.000
6	28.50		0.121
6	28.50		0.198
49	28.49		0.399

35	28.46		0.890
Std Dev	28.45		1.000
61	28.29		3.531
61	28.16		5.579

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	28.78		-1.926
Std Dev	28.60		-1.000
13	28.59		-0.950
13	28.52		-0.602
75	28.44		-0.161
Median	28.41		0.000
75	28.37		0.161
21	28.28		0.621
21	28.26		0.740
77	28.24		0.861

215 Other(describe)			
Lab	%	P2O5	dB
20	27.92		-1.340
Std Dev	27.89		-1.000
Median	27.81		0.000
Std Dev	27.73		1.000
20	27.70		1.340

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
55	1.24		0.000
Median	1.24		0.000

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	1.61		-0.529
266	1.56		-0.382
75	1.55		-0.342
78	1.55		-0.338
78	1.54		-0.308
15	1.53		-0.294
35	1.52		-0.264
61	1.52		-0.264
45	1.50		-0.206
75	1.49		-0.168
61	1.47		-0.103

45	1.45	-0.059
92	1.45	-0.059
Median	1.43	0.000
92	1.41	0.059
270	1.41	0.059
6	1.22	0.617
6	1.15	0.837
9	1.14	0.866
21	1.14	0.866
Std Dev	1.09	1.000
9	1.04	1.145
21	1.01	1.234
49	1.01	1.234
13	1.00	1.263
10	0.99	1.292
10	0.98	1.322
13	0.98	1.322

303 Other(describe)		
Lab	%	Fe2O3
56	1.84	-1.714
Std Dev	1.66	-1.000
77	1.60	-0.739
77	1.60	-0.739
65	1.42	0.000
Median	1.42	0.000
20	1.30	0.479
69	1.24	0.723
Std Dev	1.17	1.000
20	0.49	3.768

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.20	0.000
Median	1.20	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.46	-3.691
78	1.37	-2.667
78	1.37	-2.610
61	1.34	-2.326
61	1.32	-2.041
35	1.30	-1.871

92	1.23	-1.074
Std Dev	1.22	-1.000
35	1.22	-0.960
92	1.22	-0.960
270	1.19	-0.619
15	1.17	-0.392
21	1.16	-0.278
21	1.15	-0.164
75	1.14	0.000
Median	1.14	0.000
13	1.14	0.007
45	1.13	0.063
6	1.12	0.177
45	1.12	0.177
49	1.12	0.177
75	1.11	0.241
6	1.10	0.405
9	1.10	0.405
10	1.10	0.405
9	1.10	0.462
10	1.09	0.518
13	1.08	0.632
Std Dev	1.05	1.000
69	0.86	3.192

403 Other(describe)		
Lab	%	Al2O3
77	1.43	-0.211
65	1.42	-0.187
56	1.36	0.000
77	1.36	0.000
Median	1.36	0.000
30	1.03	0.997
Std Dev	1.03	1.000
20	0.87	1.496
20	0.87	1.496

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
35	0.75	-1.394
Std Dev	0.71	-1.000
35	0.62	0.000
Median	0.62	0.000
Std Dev	0.53	1.000

55	0.50	1.286
502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
13	0.64	-2.913
21	0.59	-1.457
15	0.59	-1.311
270	0.58	-1.165
Std Dev	0.57	-1.000
13	0.57	-0.874
6	0.56	-0.583
10	0.56	-0.583
21	0.56	-0.583
49	0.56	-0.583
10	0.55	-0.291
45	0.55	-0.291
61	0.55	-0.291
9	0.55	-0.146
9	0.54	0.000
266	0.54	0.000
Median	0.54	0.000
6	0.53	0.291
45	0.53	0.291
275	0.53	0.437
275	0.52	0.568
78	0.52	0.728
61	0.51	0.787
Std Dev	0.51	1.000
78	0.51	1.020
92	0.50	1.165
92	0.49	1.457
75	0.49	1.548
75	0.47	2.149
69	0.45	2.622

503 Other(describe)		
Lab	%	MgO
20	1.11	-8.771
Std Dev	0.63	-1.000
77	0.60	-0.568
77	0.58	-0.244
Median	0.57	0.000
65	0.55	0.244
Std Dev	0.50	1.000

56	0.50	1.056
20	0.47	1.624
601 Insoluble-AFPC IX.4.A		
Lab	%	Al
10	14.63	-0.653
13	14.63	-0.653
49	14.57	-0.477
10	14.54	-0.389
9	14.49	-0.242
21	14.45	-0.125
21	14.44	-0.095
9	14.44	-0.081
30	14.41	-0.007
Median	14.41	0.000
15	14.41	0.007
13	14.39	0.066
45	14.14	0.786
26	14.13	0.830
Std Dev	14.07	1.000
45	13.99	1.226
55	13.18	3.605
61	13.10	3.840
61	11.23	9.332
69	2.91	33.768

602 Other(describe)		
Lab	%	Al
20	16.00	-2.882
Std Dev	15.02	-1.000
266	15.00	-0.954
6	14.51	0.000
Median	14.51	0.000
6	14.31	0.386
20	14.00	0.974

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
77	.	0.000
13	3.87	-2.632
Std Dev	3.62	-1.000
15	3.59	-0.802
30	3.54	-0.514
77	3.52	-0.385

13	3.49	-0.193
9	3.46	0.000
9	3.46	0.000
Median	3.46	0.000
6	3.39	0.449
6	3.32	0.899
21	3.31	0.995
Std Dev	3.30	1.000
61	3.27	1.220
49	3.26	1.284

652 Other(describe)		
Lab	%	CO2
78	7.55	-9.619
78	7.22	-8.841
55	4.07	-1.420
Std Dev	3.89	-1.000
20	3.57	-0.241
56	3.52	-0.124
Median	3.47	0.000
275	3.42	0.124
275	3.38	0.206
65	3.38	0.218
Std Dev	3.04	1.000
20	2.80	1.573
266	2.78	1.620

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
61	48.97	-10.750
61	45.72	-5.951
Std Dev	42.37	-1.000
21	42.09	-0.583
9	42.07	-0.554
9	42.07	-0.554
21	42.00	-0.450
49	41.96	-0.399
13	41.96	-0.391
45	41.84	-0.221
6	41.83	-0.207

10	41.81	-0.177
10	41.69	0.000
Median	41.69	0.000
13	41.67	0.030
6	41.65	0.059
92	41.42	0.399
270	41.40	0.428
92	41.10	0.871
45	41.04	0.960
Std Dev	41.01	1.000
75	40.94	1.103
78	39.93	2.599
78	39.62	3.057
69	38.98	4.002
75	38.86	4.173

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

704 Permanganate		
Lab	%	CaO
30	42.30	0.000
Median	42.30	0.000

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
35	43.95	-0.790
35	43.39	0.000
Median	43.39	0.000
Std Dev	42.68	1.000
266	42.05	1.890

706 Other(describe)		
Lab	%	CaO
20	50.86	-4.673
20	46.26	-2.036
Std Dev	44.45	-1.000
15	43.69	-0.564
55	42.90	-0.115
Median	42.70	0.000
77	42.50	0.115
77	42.20	0.286
56	41.35	0.773

Std Dev	40.95	1.000
65	40.18	1.445

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
61	49.17	-26.612	
61	45.95	-14.468	
Std Dev	42.38	-1.000	
21	42.33	-0.842	
9	42.27	-0.590	
9	42.27	-0.582	
21	42.25	-0.517	
49	42.16	-0.192	
13	42.16	-0.173	
Median	42.11	0.000	
6	42.07	0.173	
10	42.05	0.233	
6	41.93	0.688	
10	41.92	0.720	
13	41.88	0.867	
Std Dev	41.85	1.000	
75	41.15	3.605	
69	39.21	10.939	
75	39.08	11.416	

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

714 Permanganate			
Lab	%	CaO	dB
30	42.47	0.000	
Median	42.47	0.000	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
35	44.08	-0.784	
35	43.60	0.000	
Median	43.60	0.000	
Std Dev	42.98	1.000	

266	42.43	1.896
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716 Other(describe)			
Lab	%	CaO	dB
20	51.11	-3.161	
20	46.43	-1.173	
Std Dev	46.02	-1.000	
15	44.15	-0.207	
Median	43.66	0.000	
55	43.18	0.207	
77	42.54	0.476	
77	42.21	0.618	

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
35	3.53	-2.866
6	3.34	-1.049
Std Dev	3.33	-1.000
13	3.32	-0.862
26	3.31	-0.769
21	3.29	-0.629
21	3.26	-0.350
30	3.26	-0.350
9	3.24	-0.163
35	3.23	-0.070
9	3.23	-0.023
Median	3.22	0.000
13	3.22	0.023
6	3.21	0.117
266	3.18	0.396
49	3.17	0.489
75	3.13	0.909
55	3.12	0.955
Std Dev	3.12	1.000
15	3.05	1.655
75	3.03	1.794
270	2.75	4.405
69	0.28	27.429

803 Other(describe)			
Lab	%	Fluorine, F	
20	3.47		-1.503
Std Dev	3.37		-1.000
77	3.28		-0.560
77	3.17		0.000
Median	3.17		0.000
65	3.02		0.780
Std Dev	2.97		1.000
20	2.69		2.471

911 Atomic Absorption-AFPC			
Lab	ppm	Arsenic, As	
55	9.0		0.000
Median	9.0		0.000

912 ICP-induced coupled plasma-AFPC IX.15.B			
Lab	ppm	Arsenic, As	
61	40.2		-2.353
61	36.0		-1.215
Std Dev	35.2		-1.000
35	32.0		-0.135
35	32.0		-0.135
270	31.5		0.000
Median	31.5		0.000
266	29.8		0.459
Std Dev	27.8		1.000
69	27.0		1.205
78	26.8		1.268
78	26.6		1.322

913 Other(describe)			
Lab	ppm	Arsenic, As	
13	28.3		-1.340
Std Dev	24.8		-1.000
Median	14.7		0.000
Std Dev	4.5		1.000
15	1.1		1.340

921 Atomic Absorption-AFPC IX.11.A			
Lab	ppm	Cadmium, Cd	
55	4		0.000
Median	4		0.000

922 ICP-induced coupled plasma-AFPC IX.11.B			
Lab	ppm	Cadmium, Cd	
35	4		-2.049
Std Dev	3		-1.000
61	3		-0.716
78	3		-0.655
35	3		-0.508
75	3		-0.431
78	3		-0.262
61	3		-0.185
Median	3		0.000
75	3		0.185
270	3		0.262
266	2		0.308
Std Dev	2		1.000
45	2		1.032
45	2		1.032
77	1		2.572
77	1		2.572

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
15	28		-11.019
Std Dev	8		-1.000
20	6		0.000
20	6		0.000
Median	6		0.000
Std Dev	4		1.000
69	3		1.340
13	2		1.733

931 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
55	9		0.000
Median	9		0.000

932 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Cobalt, Co	
61	6		-2.010
Std Dev	5		-1.000
61	5		-0.938
35	5		-0.804
35	5		-0.804
78	5		-0.804

78	5		-0.804
270	5		-0.536
Median	4		0.000
45	4		0.536
45	4		0.536
77	4		0.536
77	4		0.536
266	4		0.670
75	4		0.737
75	4		0.804

933 Other(describe)			
Lab	ppm	Cobalt, Co	
20	10		-2.497
Std Dev	7		-1.000
20	7		-0.951
13	5		0.000
Median	5		0.000
69	4		0.389
Std Dev	3		1.000
15	2		1.873

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

942 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Mercury, Hg	
35	0.6		-0.730
35	0.6		-0.658
Median	0.3		0.000
266	0.1		0.658
270	0.0		0.682

943 Other(describe)			
Lab	ppm	Mercury, Hg	
15	1.2		-2.576
Std Dev	0.5		-1.000
13	0.0		0.000
Median	0.0		0.000

69 0.0 0.104

951 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Iolybdenum, Mo	
55	8		0.000
Median	8		0.000

952 ICP-induced coupled plasma-AFPC IX.16.B			
Lab	ppm	Iolybdenum, Mo	
61	21		-1.708
270	20		-1.265
Std Dev	20		-1.000
266	20		-0.914
61	18		-0.163
Median	18		0.000
78	17		0.163
77	17		0.338
77	17		0.338
78	17		0.388

953 Other(describe)			
Lab	ppm	Iolybdenum, Mo	
13	21		-0.456
69	17		0.000
Median	17		0.000
Std Dev	10		1.000
15	1		2.224

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
55	11		0.000
Median	11		0.000

962 ICP-induced coupled plasma-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
61	27		-2.403
Std Dev	22		-1.000
78	21		-0.654
266	21		-0.654
78	20		-0.523
270	20		-0.392
75	18		-0.118
61	18		0.000
77	18		0.000

Median	18	0.000
75	17	0.157
77	17	0.261
Std Dev	14	1.000
45	14	1.046
45	13	1.307
35	12	1.569
35	9	2.353

963 Other(describe)		
Lab	ppm	Nickel, Ni
20	37	-2.123
Std Dev	28	-1.000
20	27	-0.878
13	20	0.000
Median	20	0.000
69	16	0.462
15	14	0.682

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	8	0.000
Median	8	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
61	22	-2.050
61	22	-2.048
Std Dev	18	-1.000
266	16	-0.691
275	15	-0.404
275	15	-0.347
270	15	-0.334
Median	13	0.000
35	12	0.334
35	11	0.572
77	10	0.811
Std Dev	9	1.000
78	9	1.025
77	9	1.049
78	8	1.180

973 Other(describe)		
Lab	ppm	Lead, Pb

69	14	-1.487
13	12	-1.183
Std Dev	11	-1.000
15	4	0.000
Median	4	0.000
20	3	0.157
20	3	0.157

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	1	0.000
Median	1	0.000

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
270	3	-1.340
Std Dev	2	-1.000
Median	1	0.000
Std Dev	0	1.000
266	0	1.340

983 Other(describe)		
Lab	ppm	Selenium, Se
15	44	-2.437
Std Dev	20	-1.000
13	4	0.000
Median	4	0.000
69	0	0.243

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	41	0.000
Median	41	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
61	56	-3.970
61	48	-1.513
Std Dev	46	-1.000
35	46	-0.883
77	46	-0.883
78	44	-0.252
75	44	-0.110
266	43	-0.063

Median	43	0.000
78	43	0.063
75	43	0.126
35	42	0.378
77	41	0.694
Std Dev	40	1.000
270	37	1.955
45	35	2.585
45	35	2.585

993 Other(describe)		
Lab	ppm	Zinc, Zn
69	44	-1.145
Std Dev	43	-1.000
20	43	0.000
20	43	0.000
Median	43	0.000
Std Dev	43	1.000
13	41	4.215