

AFPC Rock Check Program

Sample No. 2022-07

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	22	0.98	0.228
Other (describe)	102	9	0.88	0.007
Method Group 100		31	0.89	0.13
P₂O₅				
Gravimetric AFPC IX.3.B	201	9	28.07	0.015
ICP-induced coupled plasma AFPC IX.3.D	202	3	28.03	0.073
AOAC 962.02-15th	203	4	27.98	0.303
Photometric-AFPC IX.3.C	204	25	28.03	0.138
Automated -AOAC 978.01-15th	205	7	28.13	0.036
Method Group 200		48	28.07	0.11
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	4	28.29	0.040
ICP-induced coupled plasma AFPC IX.3.D	212	3	28.31	0.062
AOAC 962.02-15th	213	3	28.35	0.389
Photometric-AFPC IX.3.C	214	16	28.33	0.224
Automated -AOAC 978.01-15th	215	5	28.38	0.034
Method Group 210		31	28.33	0.11
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	1.26	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	32	1.21	0.101
Other(describe)	303	5	1.31	0.093
Method Group 300		38	1.21	0.10
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	1.20	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	32	1.10	0.077
Other(describe)	403	5	1.33	0.284
Method Group 400		38	1.11	0.09
MgO				
Atomic Absorption-AFPC IX.8.A	501	2	0.61	0.002
ICP-induced coupled plasma-AFPC IX.8.B	502	31	0.65	0.030
Other(describe)	503	5	0.67	0.011
Method Group 500		38	0.65	0.04
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	13.26	0.214
Other(describe)	602	3	12.99	0.049
Method Group 600		23	13.22	0.24
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	16	3.88	0.260
Other(describe)	652	14	4.52	0.369
Method Group 650		30	3.98	0.50
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	2	42.18	0.147
ICP-induced coupled plasma-AFPC IX.12.D	702	18	42.31	0.247
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.22	0.000
EDTA Volumetric-AFPC IX.12.C	705	1	41.70	0.000
Other(describe)	706	15	42.06	0.409
Method Group 700		37	42.20	0.32
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	1	42.24	0.000
ICP-induced coupled plasma-AFPC IX.12.D	712	12	42.70	0.264
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	42.59	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	12	42.38	0.534
Method Group 710		26	42.55	0.36

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	29	3.28	0.090
Other(describe)	803	3	3.19	0.060
Method Group 800		32	3.26	0.12
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	19	14.5	6.16
Other(describe)	913	2	17.7	0.22
Method Group 900		21	16.5	6.04
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	23	3	0.5
Other(describe)	923	2	4	0.5
Method Group 910		25	3	0.5
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	14	4	1.6
Other(describe)	933	2	6	0.9
Method Group 920		16	4	1.7
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.1	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	8	0.5	9.51
Other(describe)	943	1	0.1	0.00
Method Group 930		10	0.1	0.73
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	14	15	2.0
Other(describe)	953	1	14	0.0
Method Group 940		15	15	2.1
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	18	17	2.2
Other(describe)	963	2	17	2.2
Method Group 950		20	17	2.6
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	19	12	2.5
Other(describe)	973	1	16	0.0
Method Group 960		20	12	2.6
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	6	0.9
Other(describe)	983	1	5	0.0
Method Group 970		4	5	0.8
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-induced coupled plasma-AFPC IX.16.A	992	18	43	4
Other(describe)	993	2	44	5
Method Group 980		20	43	5

101 Ground Sample AFPC IX.2.A		
Lab	%	H ₂ O
13	1.17	-0.812
49	1.15	-0.724
21	1.12	-0.615
21	1.11	-0.571
26	1.05	-0.307
26	1.05	-0.307
13	1.04	-0.263
15	1.04	-0.263
15	1.04	-0.263
24	1.03	-0.219
10	0.99	-0.022
Median	0.98	0.000
10	0.98	0.022
24	0.94	0.198
9	0.89	0.417
9	0.88	0.439
30	0.86	0.527
Std Dev	0.75	1.000
16	0.70	1.216
16	0.68	1.335
113	0.61	1.646
270	0.42	2.458
77	0.26	3.183
77	0.22	3.336

102 Other (describe)		
Lab	%	H ₂ O
86	0.93	-5.829
86	0.92	-4.489
35	0.89	-1.139
Std Dev	0.89	-1.000
84	0.89	-0.469
275	0.88	0.000
Median	0.88	0.000
35	0.88	0.201
85	0.88	0.201
Std Dev	0.87	1.000
84	0.87	2.211
85	0.86	2.881

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
201		

77	28.20	-8.375
56	28.12	-3.350
Std Dev	28.08	-1.000
82	28.08	-0.335
113	28.08	-0.335
84	28.07	0.000
Median	28.07	0.000
84	28.07	0.335
Std Dev	28.06	1.000
113	28.06	1.005
22	28.03	2.680
241	28.00	5.025

202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
35	28.15	-1.649
Std Dev	28.10	-1.000
10	28.03	0.000
Median	28.03	0.000
Std Dev	27.96	1.000
10	27.96	1.031

203 AOAC 962.02-15th		
Lab	%	P2O5
9	28.18	-0.643
9	28.10	-0.396
Median	27.98	0.000
81	27.86	0.396
Std Dev	27.68	1.000
270	27.27	2.342

204 Photometric-AFPC IX.3.C		
Lab	%	P2O5
275	28.51	-3.477
15	28.30	-1.956
15	28.30	-1.956
35	28.29	-1.919
49	28.29	-1.883
10	28.18	-1.123
Std Dev	28.16	-1.000
13	28.16	-0.942
16	28.14	-0.797
16	28.07	-0.293
24	28.07	-0.290

13	28.05	-0.181
10	28.05	-0.145
24	28.03	0.000
Median	28.03	0.000
78	28.02	0.036
78	28.02	0.072
30	28.01	0.109
51	28.01	0.109
92	27.98	0.326
26	27.97	0.398
82	27.97	0.398
92	27.97	0.435
51	27.94	0.652
21	27.90	0.942
26	27.89	0.978
Std Dev	27.89	1.000
21	27.86	1.231

205 Automated -AOAC 978.01-15th		
Lab	%	P2O5
56	28.26	-3.580
22	28.17	-1.213
Std Dev	28.16	-1.000
85	28.14	-0.458
86	28.13	0.000
Median	28.13	0.000
86	28.12	0.191
85	28.10	0.817
Std Dev	28.09	1.000
77	27.88	6.863

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
84	28.32		-0.618
84	28.31		-0.601
Median	28.29		0.000
77	28.27		0.601
Std Dev	28.25		1.000
113	28.25		1.134

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
35	28.40		-1.509
Std Dev	28.37		-1.000

10	28.31		0.000
Median	28.31		0.000
Std Dev	28.24		1.000
10	28.23		1.171

213 AOAC 962.02-15th			
Lab	%	P2O5	dB
9	28.43		-0.198
9	28.35		0.000
Median	28.35		0.000
Std Dev	27.96		1.000
270	27.39		2.482

214 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
275	28.76		-1.902
49	28.61		-1.251
15	28.59		-1.161
15	28.59		-1.161
Std Dev	28.56		-1.000
35	28.54		-0.945
13	28.49		-0.690
13	28.34		-0.057
16	28.33		-0.010
Median	28.33		0.000
24	28.33		0.010
24	28.32		0.069
26	28.27		0.291
16	28.26		0.337
30	28.25		0.353
21	28.21		0.540
26	28.19		0.651
21	28.17		0.733

215 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
85	28.39		-0.315
86	28.39		-0.120
86	28.38		0.000
Median	28.38		0.000
Std Dev	28.35		1.000
85	28.34		1.220
77	27.94		13.022

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
30	1.26	0.000
Median	1.26	0.000

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
35	1.36	-1.539
35	1.33	-1.241
78	1.32	-1.141
Std Dev	1.31	-1.000

78	1.31	-0.993
16	1.29	-0.829
16	1.28	-0.774
15	1.28	-0.744
15	1.28	-0.744
51	1.27	-0.596
82	1.26	-0.496
51	1.24	-0.347
85	1.22	-0.149
270	1.22	-0.099
81	1.21	-0.050
86	1.21	-0.050
86	1.21	-0.050
Median	1.21	0.000

85	1.20	0.050
92	1.20	0.050
92	1.20	0.099
9	1.18	0.298
84	1.17	0.347
84	1.16	0.496
13	1.14	0.645
24	1.14	0.695
13	1.13	0.744
21	1.12	0.844
49	1.12	0.844
10	1.12	0.893
10	1.11	0.943
Std Dev	1.10	1.000
21	1.10	1.092
9	1.09	1.141
24	0.97	2.382

303 Other(describe)		
Lab	%	Fe2O3
22	1.34	-0.322
56	1.32	-0.054
22	1.31	0.000
Median	1.31	0.000
Std Dev	1.22	1.000

77	1.19	1.286
77	1.17	1.501

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	1.20	0.000
Median	1.20	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
78	1.42	-4.068
270	1.31	-2.712
78	1.29	-2.454
51	1.22	-1.485
35	1.19	-1.098
85	1.19	-1.098
85	1.18	-1.033
Std Dev	1.18	-1.000

51	1.18	-0.969
35	1.17	-0.840
81	1.13	-0.387
49	1.13	-0.323
86	1.12	-0.258
24	1.12	-0.194
86	1.12	-0.194
92	1.11	-0.129
92	1.11	-0.065
Median	1.10	0.000

21	1.10	0.065
21	1.09	0.129
9	1.08	0.258
13	1.08	0.323
84	1.08	0.323
24	1.07	0.387
82	1.07	0.387
84	1.07	0.452
10	1.06	0.517

13	1.06	0.517
15	1.06	0.517
15	1.06	0.517
16	1.05	0.704
16	1.04	0.730
10	1.04	0.775
9	1.04	0.840

403 Other(describe)		
Lab	%	Al2O3
22	1.45	-0.423
56	1.44	-0.370
22	1.33	0.000
Median	1.33	0.000

77	1.06	0.970
Std Dev	1.05	1.000
77	1.01	1.128

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
86	0.62	-1.340
Std Dev	0.61	-1.000
Median	0.61	0.000
Std Dev	0.61	1.000
30	0.61	1.340

30	0.61	1.340
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502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
21	0.71	-1.843
13	0.69	-1.340
13	0.69	-1.173
21	0.68	-1.005
35	0.68	-1.005
49	0.68	-1.005
Std Dev	0.68	-1.000

15	0.67	-0.670
15	0.67	-0.670
10	0.67	-0.503
9	0.66	-0.335
51	0.66	-0.335
81	0.66	-0.335
10	0.66	-0.168
92	0.66	-0.168
35	0.65	0.000

78	0.65	0.000
82	0.65	0.000
92	0.65	0.000
Median	0.65	0.000

9	0.65	0.168
24	0.64	0.335
51	0.64	0.335
24	0.64	0.503
78	0.63	0.670
84	0.63	0.838
Std Dev	0.62	1.000

86	0.62	1.173
16	0.61	1.221
16	0.61	1.260
84	0.60	1.675
85	0.59	2.010
85	0.58	2.345
270	0.56	3.015

503 Other(describe)		
Lab	%	MgO
22	0.72	-4.913
Std Dev	0.68	-1.000

77	0.68	-0.893
77	0.67	0.000
Median	0.67	0.000

22	0.66	0.447
Std Dev	0.65	1.000
56	0.65	1.787

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
22	14.14	-4.119
30	13.62	-1.662
10	13.56	-1.381
26	13.51	-1.170
26	13.50	-1.123
Std Dev	13.47	-1.000

16	13.42	-0.749
16	13.41	-0.714
51	13.33	-0.304
10	13.32	-0.281
15	13.26	0.000
15	13.26	0.000

Median	13.26	0.000
51	13.22	0.211
24	13.20	0.281
9	13.19	0.351
9	13.17	0.445
13	13.12	0.655
24	13.11	0.702
13	13.07	0.889
21	13.05	0.983
Std Dev	13.05	1.000
49	13.04	1.030

602 Other(describe)			
Lab	%	AI	
35	13.07		-1.649
Std Dev	13.04		-1.000
21	12.99		0.000
Median	12.99		0.000
Std Dev	12.94		1.000
35	12.94		1.031

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
81	4.50		-2.382
Std Dev	4.14		-1.000
24	4.09		-0.807
16	4.05		-0.653
16	4.00		-0.442
24	3.97		-0.346
21	3.94		-0.231
21	3.94		-0.231
15	3.88		0.000
15	3.88		0.000
Median	3.88		0.000
30	3.84		0.154
77	3.74		0.538
49	3.65		0.903
Std Dev	3.62		1.000
13	3.58		1.172
13	3.44		1.710
9	3.24		2.478
9	3.22		2.536

652 Other(describe)			
Lab	%	CO2	
35	7.34		-7.647
35	7.26		-7.431
Std Dev	4.88		-1.000
51	4.64		-0.338
85	4.61		-0.257
85	4.55		-0.095
86	4.55		-0.095
51	4.53		-0.041
Median	4.52		0.000
86	4.50		0.041
84	4.17		0.947
Std Dev	4.15		1.000
84	4.15		1.002
82	4.09		1.164
275	3.85		1.800
56	3.83		1.868
22	3.72		2.166

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
22	42.38		-1.340
Std Dev	42.33		-1.000
Median	42.18		0.000
Std Dev	42.04		1.000
113	41.99		1.340

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
270	42.69		-1.537
92	42.68		-1.507
92	42.63		-1.284
51	42.59		-1.143
Std Dev	42.55		-1.000
51	42.48		-0.678
13	42.44		-0.536
16	42.37		-0.253
21	42.36		-0.192
49	42.31		-0.010
Median	42.31		0.000
10	42.31		0.010
21	42.27		0.152
9	42.20		0.435

16	42.18	0.516
78	42.12	0.758
Std Dev	42.06	1.000
10	42.00	1.264
9	41.94	1.507
13	41.54	3.105
78	40.32	8.060

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

704 Permanganate			
Lab	%	CaO	
30	42.22		0.000
Median	42.22		0.000

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
81	41.70		0.000
Median	41.70		0.000

706 Other(describe)			
Lab	%	CaO	
15	43.07		-2.472
15	43.07		-2.472
Std Dev	42.47		-1.000
22	42.26		-0.489
84	42.25		-0.465
84	42.20		-0.343
82	42.18		-0.294
24	42.08		-0.049
24	42.06		0.000
Median	42.06		0.000
56	42.05		0.024
86	41.92		0.355
86	41.77		0.710
Std Dev	41.65		1.000
85	41.59		1.163
77	41.54		1.285
85	40.96		2.704
77	39.88		5.348

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
113	42.24		0.000
Median	42.24		0.000

712 ICP-induced coupled plasma-AFPC IX.12.I			
Lab	%	CaO	dB
13	42.89		-0.720
270	42.87		-0.650
21	42.83		-0.510
49	42.80		-0.395
21	42.75		-0.201
10	42.72		-0.098
Median	42.70		0.000
16	42.67		0.098
9	42.57		0.458
16	42.47		0.865
Std Dev	42.43		1.000
10	42.41		1.071
9	42.31		1.462
13	42.03		2.520

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

714 Permanganate			
Lab	%	CaO	dB
30	42.59		0.000
Median	42.59		0.000

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
Median	0.00		0.000

716 Other(describe)			
Lab	%	CaO	dB
15	43.52		-2.138
15	43.52		-2.138
Std Dev	42.92		-1.000
84	42.62		-0.444
84	42.58		-0.366
24	42.52		-0.255
24	42.46		-0.141

Median	42.38	0.000
86	42.31	0.141
86	42.16	0.423
85	41.95	0.801
Std Dev	41.85	1.000
77	41.63	1.415
85	41.31	2.008
77	39.98	4.507

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
26	3.50	-2.513
26	3.50	-2.513
24	3.48	-2.233
35	3.44	-1.843
35	3.42	-1.619
84	3.41	-1.452
84	3.38	-1.117
Std Dev	3.36	-1.000
24	3.36	-0.893
51	3.35	-0.782
51	3.32	-0.447
13	3.30	-0.279
113	3.30	-0.279
16	3.30	-0.223
16	3.29	-0.112
30	3.28	0.000
Median	3.28	0.000
81	3.25	0.279
270	3.25	0.279
9	3.24	0.391
13	3.24	0.391
49	3.24	0.391
82	3.24	0.413
9	3.24	0.447
Std Dev	3.19	1.000
86	3.17	1.173
86	3.16	1.284
21	3.15	1.452
22	3.13	1.619

21	3.12	1.731
15	2.90	4.199
15	2.90	4.199

803	Other(describe)	
Lab	%	Fluorine, F
22	3.27	-1.424
Std Dev	3.24	-1.000
77	3.19	0.000
Median	3.19	0.000
Std Dev	3.13	1.000
77	3.11	1.256

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
22	31.0	-2.682
Std Dev	20.7	-1.000
24	19.2	-0.755
24	18.8	-0.690
78	18.5	-0.650
16	18.3	-0.609
270	18.1	-0.585
78	18.0	-0.560
16	16.9	-0.390
81	16.5	-0.325
35	14.5	0.000
51	14.5	0.000
Median	14.5	0.000
35	14.0	0.081
51	13.5	0.162
84	10.0	0.731
82	9.9	0.755
84	9.0	0.893
Std Dev	8.3	1.000
113	2.0	2.026
85	1.5	2.112
85	1.5	2.116

913	Other(describe)	
Lab	ppm	Arsenic, As

77	18.0	-1.340
Std Dev	17.9	-1.000
Median	17.7	0.000
Std Dev	17.5	1.000
13	17.4	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
22	5	-2.478
113	4	-1.932
78	4	-1.881
77	4	-1.396
78	4	-1.133
Std Dev	4	-1.000
81	4	-0.587
51	4	-0.384
84	4	-0.384
16	3	-0.283
85	3	-0.283
85	3	-0.222
16	3	0.000
Median	3	0.000
270	3	0.324
35	3	0.627
84	3	0.627
86	3	0.637
86	3	0.738
82	3	0.971
Std Dev	3	1.000
24	3	1.537
35	3	1.638
51	3	1.638
24	2	1.942
77	2	2.650

923	Other(describe)	
Lab	ppm	Cadmium, Cd
22	4	-1.340
Std Dev	4	-1.000
Median	4	0.000

Std Dev	3	1.000
13	3	1.340

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
Median	0	0.000

932	ICP-induced coupled plasma-AFPC IX.16.	
Lab	ppm	Cobalt, Co
84	<1	0.000
84	<1	0.000
22	7	-2.187
78	7	-1.899
78	6	-1.580
Std Dev	5	-1.000
16	5	-0.824
270	5	-0.686
16	5	-0.635
82	4	-0.080
Median	4	0.000
81	3	0.080
35	3	0.335
24	3	0.431
24	3	0.591
35	3	0.654
77	3	0.654
77		0.974

933	Other(describe)	
Lab	ppm	Cobalt, Co
22	7	-1.340
Std Dev	7	-1.000
Median	6	0.000
Std Dev	5	1.000
13	5	1.340

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
81	0.1	0.000
Median	0.1	0.000

942	ICP-induced coupled plasma-AFPC IX.16.	
Lab	ppm	Mercury, Hg
24	49.0	-5.094

24	48.0	-4.989
Std Dev	10.0	-1.000
35	1.0	-0.049
35	1.0	-0.049
Median	0.5	0.000
270	0.1	0.049
16	0.0	0.056
16	0.0	0.056
22	0.0	0.056

943 Other(describe)		
Lab	ppm	Mercury, Hg
113	<0.1	0.000
13	0.1	0.000
Median	0.1	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
Median	0	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
22	31	-7.889
77	19	-2.041
16	17	-1.095
77	17	-1.046
Std Dev	17	-1.000
16	17	-0.946
78	15	-0.224
24	15	-0.025
Median	15	0.000
78	15	0.025
270	15	0.100
24	14	0.224
85	14	0.351
85	14	0.426
82	14	0.597
Std Dev	13	1.000
81	12	1.295

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	14	0.000
Median	14	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
22	23	-2.706
16	19	-1.024
Std Dev	19	-1.000
16	19	-0.935
78	19	-0.891
85	18	-0.766
85	18	-0.733
78	18	-0.668
84	18	-0.668
81	17	0.000
270	17	0.000
Median	17	0.000
24	16	0.111
84	16	0.223
82	16	0.325
77	15	0.668
24	14	0.958
Std Dev	14	1.000
35	14	1.113
35	14	1.113
77	13	1.559

963 Other(describe)		
Lab	ppm	Nickel, Ni
13	20	-1.340
Std Dev	20	-1.000
Median	17	0.000
Std Dev	15	1.000
22	14	1.340

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
22	23	-4.417

113	15	-1.256
16	15	-1.216
16	14	-1.017
Std Dev	14	-1.000
51	14	-0.997
51	14	-0.798
77	13	-0.598
270	13	-0.558
78	13	-0.459
35	12	0.000
77	12	0.000
Median	12	0.000
78	11	0.040
35	11	0.199
81	11	0.279
82	10	0.606
Std Dev	9	1.000
24	6	2.034
24	5	2.552
84	4	2.991
84	4	2.991

973 Other(describe)		
Lab	ppm	Lead, Pb
13	16	0.000
Median	16	0.000

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
Median	0	0.000

982 ICP-induced ed coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
16	6	-0.022
16	6	0.000
Median	6	0.000
Std Dev	5	1.000
22	3	2.658

983 Other(describe)		
Lab	ppm	Selenium, Se
13	5	0.000
Median	5	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
22	64	-5.171
35	49	-1.420
81	48	-1.220
35	48	-1.170
Std Dev	47	-1.000
77	46	-0.670
24	45	-0.508
78	44	-0.295
78	44	-0.171
85	43	-0.007
Median	43	0.000
85	43	0.007
84	41	0.579
84	41	0.579
24	40	0.617
16	40	0.742
77	39	0.954
Std Dev	39	1.000
16	37	1.379
82	36	1.621
270	33	2.453

993 Other(describe)		
Lab	ppm	Zinc, Zn
22	50	-1.340
Std Dev	49	-1.000
Median	44	0.000
Std Dev	39	1.000
13	37	1.340