AFPC Rock Check Program

Sample No. 2021-05

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	25	0.98	0.101
Other (describe)	102	15	0.96	0.127
Method Group 100		40	0.96	0.10
P_2O_5				
Gravimetric AFPC IX.3.B	201	8	27.47	0.210
ICP-inducted coupled plasma AFPC IX.3.D	202	4	27.78	0.157
AOAC 962.02-15th	203	10	27.59	0.151
Photometric-AFPC IX.3.C	204	21	27.47	0.134
Automated -AOAC 978.01-15th	205	12	27.46	0.065
Method Group 200		55	27.49	0.14
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	6	27.83	0.141
ICP-inducted coupled plasma AFPC IX.3.D	212	4	28.06	0.199
AOAC 962.02-15th	213	8	27.79	0.129
Photometric-AFPC IX.3.C	214	13	27.76	0.133
Automated -AOAC 978.01-15th	215	9	27.75	0.104
Method Group 210		40	27.78	0.16
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	3	1.16	0.088
ICP-inducted coupled plasma-AFPC IX.6.C	302	33	1.28	0.172
Other(describe)	303	7	1.41	0.144
Method Group 300		43	1.27	0.13
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	2	1.02	0.037
ICP-inducted coupled plasma-AFPC IX.7.C	402	34	1.06	0.074
Other(describe)	403	5	1.32	0.030
Method Group 400		41	1.07	0.14
MgO				
Atomic Absorption-AFPC IX.8.A	501	7	0.59	0.032
ICP-inducted coupled plasma-AFPC IX.8.B	502	33	0.63	0.022
Other(describe)	503	5	0.64	0.000
Method Group 500		45	0.63	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	14.41	0.366
Other(describe)	602	3	15.99	0.289
Method Group 600		24	14.43	0.35
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	16	3.95	0.356
Other(describe)	652	22	4.06	0.326
Method Group 650		38	4.01	0.26
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	1	41.55	0.000
ICP-inducted coupled plasma-AFPC IX.12.D	702	18	41.28	0.332
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	41.22	0.142
EDTA Volumetric-AFPC IX.12.C	705	2	41.86	0.041
Other(describe)	706	18	41.54	0.542
Method Group 700		41	41.43	0.48
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	1	41.91	0.000
ICP-inducted coupled plasma-AFPC IX.12.D	712	14	41.61	0.469
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	41.60	0.132
EDTA Volumetric-AFPC IX.12.C	715	2	42.08	0.045
Other(describe)	716	15	41.99	0.462
Method Group 710		33	41.75	0.39

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	29	3.20	0.063
Oher(describe)	803	4	3.12	0.257
Method Group 800		33	3.20	0.07
Arsenic, As				
Atomic Absorption	911	1	9.9	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	15	17.8	3.76
Other(describe)	913	2	21.8	1.64
Method Group 900		18	17.8	3.83
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	8	3	0.4
ICP-inducted coupled plasma-AFPC IX.11.B	922	22	3	0.5
Other(describe)	923	1	2	0.0
Method Group 910		31	3	0.5
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	2	3	0.1
ICP-inducted coupled plasma-AFPC IX.16.A	932	12	4	1.5
Other(describe)	933	1	4	0.0
Method Group 920		15	4	1.2
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	3	0.1	0.33
ICP-inducted coupled plasma-AFPC IX.16.A	942	6	0.0	0.57
Other(describe)	943	2	0.1	0.03
Method Group 930		11	0.1	0.41
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	22	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	13	15	7.6
Other(describe)	953	1	19	0.0
Method Group 940		15	15	7.4
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	2	26	8.9
ICP-inducted coupled plasma-AFPC IX.16.A	962	16	19	2.8
Other(describe)	963	2	23	2.2
Method Group 950		20	19	3.1
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	19	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	17	12	1.6
Other(describe)	973	1	13	0.0
Method Group 960		19	12	1.9
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	3	0	0.2
Other(describe)	983	1	3	0.0
Method Group 970		4	1	0.8
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	38	0
ICP-inducted coupled plasma-AFPC IX.16.A	992	17	40	18
Other(describe)	993	2	31	9
Method Group 980		20	40	15

101	Ground Sample AFPC IX.2.A	
Lab	%	H_2O
21	1.14	-1.588
24	1.13	-1.439
16	1.12	-1.340
Std Dev	1.08	-1.000
16	1.08	-0.978
21	1.06	-0.794
24	1.04	-0.596
13	1.03	-0.447
13	1.03	-0.447
26	1.00	-0.199
15	0.99	-0.099
15	0.99	-0.099
26	0.98	0.000
85	0.98	0.000
85	0.98	0.000
Median	0.98	0.000
30	0.96	0.199
9	0.95	0.347
9	0.93	0.496
10	0.93	0.496
55	0.89	0.893
Std Dev	0.88	1.000
10	0.86	1.191
22	0.85	1.290
49	0.76	2.184
77	0.74	2.382
270	0.38	5.956
77	0.15	8.288

102	Other (describe)	
Lab	%	H_2O
35	1.06	-0.788
86	1.03	-0.552
86	1.02	-0.473
84	0.98	-0.158
84	0.97	-0.118
83	0.96	-0.039
82	0.96	0.000
83	0.96	0.000
Median	0.96	0.000
89	0.94	0.118
89	0.93	0.197
35	0.91	0.394
Std Dev	0.83	1.000
88	0.70	2.010
88	0.70	2.049
81	0.53	3.389
81	0.50	3.586

201	Gravimetric AFPC IX.3.B	
Lab	%	P2O5
77	27.92	-2.132
Std Dev	27.68	-1.000
22	27.60	-0.607
89	27.60	-0.607
89	27.58	-0.512
Median	27.47	0.000
55	27.36	0.512
241	27.34	0.607
Std Dev	27.26	1.000
241	27.24	1.108
82	27.22	1.203

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	%	P2O5
16	27.88	-0.654
16	27.87	-0.558
Median	27.78	0.000
10	27.69	0.558
Std Dev	27.62	1.000
10	27.57	1.356

203	AOAC 962.02-15th	
Lab	%	P2O5
16	27.89	-1.952
16	27.86	-1.787
Std Dev	27.74	-1.000
49	27.68	-0.596
83	27.61	-0.132
83	27.61	-0.099
Median	27.59	0.000
9	27.58	0.099
9	27.46	0.860
21	27.46	0.860
Std Dev	27.44	1.000
21	27.32	1.787
270	27.09	3.342

204	Photometric-AFPC IX.3.C	
Lab	%	P2O5
87	28.00	-3.908
13	27.86	-2.903
13	27.75	-2.047
87	27.74	-2.010
10	27.68	-1.526
26	27.61	-1.042
Std Dev	27.60	-1.000
88	27.57	-0.744
30	27.56	-0.670
26	27.52	-0.372
24	27.50	-0.186
24	27.47	0.000
Median	27.47	0.000
51	27.47	0.037
10	27.46	0.074
92	27.46	0.074
88	27.45	0.149
51	27.43	0.298
92	27.42	0.372
35	27.39	0.596
15	27.38	0.707
15	27.38	0.707
Std Dev	27.34	1.000
35	27.25	1.638

205	Automated -AOAC 978.01-15th	
Lab	%	P2O5
84	27.52	-0.804
84	27.51	-0.651
86	27.50	-0.574
81	27.49	-0.421
85	27.48	-0.268
86	27.48	-0.191
Median	27.46	0.000
81	27.45	0.191
56	27.45	0.268
85	27.44	0.421
Std Dev	27.40	1.000
77	27.32	2.259
56	27.28	2.795
19	27.25	3.254

211	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	dB
77	27.96		-0.871
89	27.86		-0.171
89	27.83		-0.008
Median	27.83		0.000
22	27.83		0.008
Std Dev	27.69		1.000
55	27.61		1.610
82	27.48		2.520

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	%	P2O5	dB
16	28.18		-0.599
16	28.18		-0.576
Median	28.06		0.000
10	27.95		0.576
Std Dev	27.87		1.000
10	27.80		1.308

213	AOAC 962.02-15th		
Lab	%	P2O5	dB
49	27.89		-0.758
83	27.88		-0.636
83	27.87		-0.608
9	27.83		-0.308
Median	27.79		0.000
21	27.75		0.308
9	27.72		0.557
Std Dev	27.66		1.000
21	27.64		1.230
270	27.19		4.685

214	Photometric-AFPC IX.3.C		
Lab	%	P2O5	dB
13	28.15		-2.885
13	28.03		-2.013
Std Dev	27.90		-1.000
26	27.88		-0.893
30	27.83		-0.472
24	27.81		-0.327
26	27.80		-0.253

88	27.76	0.000
Median	27.76	0.000
24	27.76	0.043
15	27.65	0.868
15	27.65	0.868
88	27.64	0.918
35	27.64	0.933
Std Dev	27.63	1.000
35	27.54	1.681

215	Automated -AOAC 978.01-15th	
Lab	% P2O5	dB
84	27.79	-0.326
86	27.78	-0.316
84	27.77	-0.216
86	27.76	-0.046
85	27.75	0.000
Median	27.75	0.000
85	27.71	0.437
Std Dev	27.65	1.000
81	27.64	1.124
81	27.59	1.578
77	27.52	2.244

301	Atomic Absorption-AFPC IX.6.B	
Lab	% Fe2O3	
30	1.24	-0.855
86	1.16	0.000
Median	1.16	0.000
Std Dev	1.07	1.000
55	1.00	1.825

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	% Fe2O3	
81	1.49	-1.218
35	1.47	-1.102
35	1.46	-1.073
Std Dev	1.45	-1.000
81	1.41	-0.754
84	1.34	-0.348
51	1.33	-0.290
84	1.33	-0.290
82	1.32	-0.261
16	1.32	-0.238
16	1.31	-0.200
51	1.30	-0.145
83	1.30	-0.116
22	1.29	-0.087
270	1.29	-0.087
83	1.29	-0.058
86	1.29	-0.058
92	1.28	0.000
Median	1.28	0.000
15	1.27	0.029
15	1.27	0.029
85	1.27	0.029
92	1.25	0.145
85	1.21	0.377
24	1.16	0.696
24	1.15	0.725
Std Dev	1.10	1.000
10	1.09	1.102
21	1.08	1.131
49	1.08	1.131
21	1.07	1.189
13	1.05	1.334
10	1.03	1.450
13	1.01	1.537
9	1.01	1.566
9	0.99	1.653

303	Other(describe)	
Lab	% Fe2O3	
77	1.53	-0.835
77	1.46	-0.348
22	1.42	-0.035
56	1.41	0.000
Median	1.41	0.000
Std Dev	1.27	1.000
89	1.25	1.114
19	1.24	1.183
89	1.24	1.183

401	Atomic Absorption-AFPC IX.6.B	
Lab	% Al2O3	
30	1.07	-1.340
Std Dev	1.06	-1.000
Median	1.02	0.000
Std Dev	0.98	1.000
55	0.97	1.340

402	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	% Al2O3	
35	1.44	-5.089
51	1.24	-2.443
35	1.24	-2.375
51	1.22	-2.103
81	1.20	-1.900
81	1.20	-1.832
270	1.20	-1.832
Std Dev	1.13	-1.000
82	1.12	-0.814
84	1.11	-0.678
85	1.11	-0.611
84	1.10	-0.475
86	1.09	-0.339
15	1.08	-0.271
15	1.08	-0.271
85	1.08	-0.204
86	1.07	-0.068
22	1.06	0.000
92	1.06	0.000
92	1.06	0.000
Median	1.06	0.000
83	1.06	0.068
24	1.04	0.339
83	1.03	0.475
16	1.02	0.556
16	1.01	0.672
21	1.01	0.678
21	1.01	0.678
24	1.01	0.678
49	1.01	0.746
Std Dev	0.99	1.000
10	0.97	1.289
9	0.95	1.493
13	0.95	1.493
13	0.95	1.561
9	0.94	1.628
10	0.90	2.171

403	Other(describe)	
Lab	% Al2O3	
77	1.35	-0.838
19	1.33	-0.335
77	1.32	0.000
Median	1.32	0.000
Std Dev	1.29	1.000
56	1.29	1.005
22	1.18	4.690

501	Atomic Absorption-AFPC IX.8.A	
Lab	% MgO	
88	0.66	-2.365
88	0.66	-2.207
Std Dev	0.62	-1.000
30	0.59	-0.158
87	0.59	0.000
Median	0.59	0.000
55	0.58	0.158
86	0.58	0.158
87	0.57	0.631

502	ICP-inducted coupled plasma-AFPC IX.8.B	
Lab	% MgO	
92	0.67	-2.010
13	0.66	-1.563
49	0.66	-1.563
81	0.66	-1.563
13	0.66	-1.340
21	0.65	-1.117
21	0.65	-1.117
51	0.65	-1.117
Std Dev	0.65	-1.000
82	0.65	-0.893
24	0.64	-0.670
51	0.64	-0.670
81	0.64	-0.670
92	0.64	-0.670
24	0.64	-0.447
270	0.64	-0.447
10	0.63	-0.223
10	0.63	0.000
84	0.63	0.000
84	0.63	0.000

Median	0.63	0.000
16	0.62	0.009
16	0.62	0.036
9	0.62	0.223
15	0.62	0.223
15	0.62	0.223
9	0.62	0.447
86	0.62	0.447
22	0.61	0.670
85	0.61	0.670
85	0.61	0.670
Std Dev	0.60	1.000
83	0.59	1.787
83	0.59	1.787
35	0.54	4.020
35	0.50	5.583

503 Other(describe)

Lab	%	MgO
22	0.69	-670.000
Std Dev	0.64	-1.000
56	0.64	0.000
77	0.64	0.000
Median	0.64	0.000
Std Dev	0.64	1.000
77	0.64	1.340
19	0.53	########

601 Insoluble-AFPC IX.4.A

Lab	%	AI
55	15.06	-1.778
16	14.92	-1.395
21	14.81	-1.094
10	14.81	-1.080
Std Dev	14.78	-1.000
16	14.75	-0.930
21	14.73	-0.875
10	14.67	-0.711
49	14.66	-0.684
15	14.43	-0.055
15	14.43	-0.055
9	14.41	0.000
26	14.41	0.000
Median	14.41	0.000
26	14.39	0.055
9	14.38	0.082
51	14.37	0.109
51	14.24	0.465
24	14.22	0.533
24	14.20	0.588
13	14.08	0.916
22	14.07	0.943
13	14.06	0.957

602 Other(describe)

Lab	%	AI
35	16.07	-0.277
35	15.99	0.000
Median	15.99	0.000
Std Dev	15.70	1.000
19	15.29	2.403

651 Gasometric-AFPC IX.13.B

Lab	%	CO2
9	4.66	-1.999
9	4.66	-1.999
Std Dev	4.30	-1.000
21	4.14	-0.540
21	4.14	-0.540
13	4.06	-0.316
13	4.00	-0.147
30	4.00	-0.147
24	3.97	-0.049
Median	3.95	0.000
77	3.93	0.049
16	3.93	0.063
16	3.90	0.147
87	3.61	0.947
Std Dev	3.59	1.000
87	3.58	1.031
49	3.49	1.284
15	3.44	1.424
15	3.44	1.424

652 Other(describe)

Lab	%	CO2
35	7.58	-10.774
35	7.09	-9.257
51	4.71	-1.968
51	4.65	-1.799
89	4.43	-1.126
89	4.42	-1.080
Std Dev	4.39	-1.000
81	4.39	-0.988
81	4.31	-0.743
85	4.18	-0.345
85	4.13	-0.191
88	4.07	-0.008
Median	4.06	0.000
88	4.06	0.008
86	4.05	0.038
82	4.01	0.176
83	4.01	0.176
83	4.00	0.191
86	3.96	0.314
55	3.95	0.345
84	3.94	0.375
84	3.93	0.421
Std Dev	3.74	1.000
22	3.37	2.136
56	3.25	2.489

701 Gravimetric sulfate-AFPC IX.12.A

Lab	%	CaO
22	41.55	0.000
Median	41.55	0.000

702 ICP-inducted coupled plasma-AFPC IX.12.D

Lab	%	CaO
270	42.48	-3.629
51	42.12	-2.529
51	42.03	-2.258
92	41.68	-1.204
Std Dev	41.61	-1.000
92	41.60	-0.964
49	41.56	-0.858
10	41.50	-0.662
13	41.37	-0.286
21	41.31	-0.105
Median	41.28	0.000
9	41.24	0.105
9	41.20	0.226
21	41.20	0.226
13	41.16	0.346
10	41.14	0.422
Std Dev	40.94	1.000
16	40.61	2.018
16	40.49	2.379
35	40.37	2.725
35	39.94	4.020

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO
Median	0.00	0.000

704 Permanganate

Lab	%	CaO
55	41.41	-1.340
Std Dev	41.36	-1.000
Median	41.22	0.000
Std Dev	41.08	1.000
30	41.03	1.340

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO
81	41.92	-1.340
Std Dev	41.90	-1.000
Median	41.86	0.000
Std Dev	41.82	1.000
81	41.81	1.340

706 Other(describe)

Lab	%	CaO
77	42.18	-1.176
Std Dev	42.08	-1.000
86	42.06	-0.964
82	42.00	-0.853
86	41.92	-0.697
77	41.90	-0.669
83	41.78	-0.447
83	41.76	-0.401
56	41.64	-0.189
85	41.58	-0.069
Median	41.54	0.000
85	41.50	0.069
19	41.43	0.198

84	41.28	0.484
84	41.28	0.484
24	41.10	0.807
Std Dev	41.00	1.000
22	40.97	1.056
15	40.84	1.287
15	40.84	1.287
24	40.59	1.757

711 Gravimetric sulfate-AFPC IX.12.A

Lab	% CaO	dB
22	41.91	0.000
Median	41.91	0.000

712 ICP-inducted coupled plasma-AFPC IX.12.D

Lab	% CaO	dB
270	42.64	-2.201
Std Dev	42.08	-1.000
10	41.88	-0.585
49	41.88	-0.572
13	41.80	-0.402
21	41.75	-0.304
21	41.68	-0.139
9	41.63	-0.050
Median	41.61	0.000
9	41.59	0.050
13	41.59	0.051
10	41.49	0.252
Std Dev	41.14	1.000
16	41.05	1.200
16	40.94	1.426
35	40.74	1.859
35	40.37	2.654

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	% CaO	dB
Median	0.00	0.000

714 Permanganate

Lab	% CaO	dB
55	41.78	-1.340
Std Dev	41.74	-1.000
Median	41.60	0.000
Std Dev	41.47	1.000
30	41.43	1.340

715 EDTA Volumetric-AFPC IX.12.C

Lab	% CaO	dB
81	42.14	-1.340
Std Dev	42.12	-1.000
Median	42.08	0.000
Std Dev	42.03	1.000
81	42.02	1.340

716 Other(describe)

Lab	% CaO	dB
86	42.49	-1.093
Std Dev	42.45	-1.000
82	42.40	-0.906
86	42.35	-0.785
77	42.24	-0.541
77	42.21	-0.489
83	42.18	-0.425
83	42.16	-0.375
85	41.99	0.000
Median	41.99	0.000
85	41.91	0.164
84	41.68	0.661
84	41.68	0.665
24	41.53	0.984
Std Dev	41.52	1.000
15	41.25	1.599
15	41.25	1.599
24	41.05	2.035

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	
81	3.62	-6.621
81	3.58	-5.991
24	3.50	-4.651
55	3.33	-2.049
49	3.30	-1.576
Std Dev	3.26	-1.000
35	3.26	-0.867
21	3.23	-0.473
26	3.23	-0.473
83	3.23	-0.394
83	3.23	-0.394
15	3.21	-0.158
15	3.21	-0.158
13	3.21	-0.079
35	3.20	0.000
270	3.20	0.000
Median	3.20	0.000
21	3.19	0.158
86	3.19	0.236
26	3.18	0.315
22	3.18	0.394
86	3.18	0.394
9	3.16	0.631
9	3.15	0.867
Std Dev	3.14	1.000
16	3.13	1.104
13	3.08	1.892
16	3.07	2.128
24	3.04	2.601
51	2.98	3.468
51	2.94	4.178
82	2.87	5.202

803 Oher(describe)

Lab	% Fluorine, F	
22	3.63	-1.952
Std Dev	3.38	-1.000
77	3.25	-0.476
Median	3.12	0.000
19	3.00	0.476
77	2.98	0.553

911 Atomic Absorption-AFPC

Lab	ppm Arsenic, As	
55	9.9	0.000
Median	9.9	0.000

912 ICP-inducted coupled plasma-AFPC IX.15.B

Lab	ppm Arsenic, As	
270	23.4	-1.503
24	21.6	-1.011
Std Dev	21.5	-1.000
35	20.0	-0.599
22	19.8	-0.552
24	19.8	-0.532
35	18.5	-0.200
16	17.8	-0.013
16	17.8	0.000
Median	17.8	0.000
81	15.5	0.599
81	15.0	0.732
85	14.9	0.758
85	14.6	0.838
82	14.6	0.851
51	14.5	0.865
Std Dev	14.0	1.000
51	13.5	1.131

913 Other(describe)

Lab	ppm Arsenic, As	
77	24.0	-1.340
Std Dev	23.4	-1.000
Median	21.8	0.000
Std Dev	20.2	1.000
13	19.6	1.340

921 Atomic Absorption-AFPC IX.11.A

Lab	ppm Cadmium, Cd	
87	3	-1.476
Std Dev	3	-1.000
87	3	-0.780
89	3	-0.529
89	3	-0.334
Median	3	0.000
55	3	0.334
88	2	0.738
88	2	0.780
Std Dev	2	1.000
86	2	1.935

922 ICP-inducted coupled plasma-AFPC IX.11.

Lab	ppm Cadmium, Cd	
77	27	-45.466
77	25	-41.705
270	20	-31.361

85	3	-1.081
Std Dev	3	-1.000
85	3	-0.611
35	3	-0.329
51	3	-0.329
83	3	-0.329
83	3	-0.329
86	3	-0.235
84	3	-0.047
Median	3	0.000
84	3	0.047
81	3	0.611
16	2	0.639
16	2	0.733
81	2	0.799
Std Dev	2	1.000
82	2	1.081
22	2	1.175
35	2	1.552
51	2	1.552
24	0	4.561
24	0	5.313

923 Other(describe)

Lab	ppm	Cadmium, Cd
13	2	0.000
Median	2	0.000

931 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Cobalt, Co
55	4	-1.340
Std Dev	3	-1.000
Median	3	0.000
Std Dev	3	1.000
82	3	1.340

932 ICP-inducted coupled plasma-AFPC IX.16.A

Lab	ppm	Cobalt, Co
77	24	-13.143
77	24	-12.812
Std Dev	6	-1.000
81	5	-0.626
81	5	-0.563
16	4	-0.156
16	4	-0.099
Median	4	0.000
270	4	0.099
22	3	0.480
35	3	0.761
35	3	0.761
Std Dev	3	1.000
24	1	1.920
24	1	2.020

933 Other(describe)

Lab	ppm	Cobalt, Co
13	4	0.000
Median	4	0.000

941 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Mercury, Hg
35	1.0	-2.680
Std Dev	0.4	-1.000
81	0.1	0.000
81	0.1	0.000
Median	0.1	0.000

942 ICP-inducted coupled plasma-AFPC IX.16.A

Lab	ppm	Mercury, Hg
24	47.0	-82.413
35	1.0	-1.706
Std Dev	0.6	-1.000
270	0.1	-0.048
Median	0.0	0.000
16	0.0	0.048
16	0.0	0.048
22	0.0	0.048

943 Other(describe)

Lab	ppm	Mercury, Hg
82	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.1	1.000
13	0.0	1.340

951 Atomic Absorption-AFPC IX.16.B

Lab	ppm	lolybdenum, Mo
55	22	0.000
Median	22	0.000

952 ICP-inducted coupled plasma-AFPC IX.16.A

Lab	ppm	Molybdenum, Mo
16	45	-3.876
77	38	-3.013
77	38	-3.013
81	24	-1.183
81	24	-1.118
Std Dev	23	-1.000
270	15	-0.013
82	15	0.000
Median	15	0.000
16	15	0.026
85	14	0.150
85	14	0.157
24	13	0.281
24	13	0.301
22	12	0.354

953 Other(describe)

Lab	ppm	Molybdenum, Mo
13	19	0.000
Median	19	0.000

961 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Nickel, Ni
77	38	-1.340
Std Dev	35	-1.000
Median	26	0.000
Std Dev	17	1.000
55	14	1.340

962 ICP-inducted coupled plasma-AFPC IX.16.A

Lab	ppm	Nickel, Ni
77	38	-6.950
82	22	-1.126
35	22	-1.054
Std Dev	21	-1.000
85	21	-0.893
85	21	-0.750
35	20	-0.518
16	19	-0.250
16	19	-0.161
Median	19	0.000
81	18	0.161
24	18	0.375
24	17	0.482
81	17	0.554
84	17	0.554
270	17	0.554
84	17	0.733
Std Dev	16	1.000
22	14	1.465

963 Other(describe)

Lab	ppm	Nickel, Ni
19	26	-1.340
Std Dev	25	-1.000
Median	23	0.000
Std Dev	21	1.000
13	20	1.340

971 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Lead, Pb
55	19	0.000
Median	19	0.000

972 ICP-inducted coupled plasma-AFPC IX.16.A

Lab	ppm	Lead, Pb
77	33	-13.400
77	31	-12.443
16	13	-1.180
270	13	-1.021
Std Dev	13	-1.000
16	13	-0.638
22	12	-0.475
51	12	-0.319
84	12	-0.319
84	12	0.000
Median	12	0.000
35	11	0.319
51	11	0.319
35	11	0.638
82	10	0.702
Std Dev	10	1.000
81	9	1.595