

AFPC Rock Check Program

Sample No. 2023-05

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	23	0.84	0.131
Other (describe)	102	8	0.86	0.094
Method Group 100		31	0.84	0.13
P₂O₅				
Gravimetric AFPC IX.3.B	201	8	28.43	0.229
ICP-induced coupled plasma AFPC IX.3.D	202	7	28.33	0.308
AOAC 962.02-15th	203	2	28.26	0.049
Photometric-AFPC IX.3.C	204	22	28.37	0.163
Automated -AOAC 978.01-15th	205	6	28.28	0.075
Method Group 200		45	28.34	0.18
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	3	28.52	0.168
ICP-induced coupled plasma AFPC IX.3.D	212	4	28.41	0.314
AOAC 962.02-15th	213	2	28.49	0.049
Photometric-AFPC IX.3.C	214	17	28.58	0.190
Automated -AOAC 978.01-15th	215	5	28.51	0.048
Method Group 210		31	28.53	0.15
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	4	0.63	0.134
ICP-induced coupled plasma-AFPC IX.6.C	302	31	0.61	0.071
Other(describe)	303	3	0.68	0.032
Method Group 300		38	0.62	0.07
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	1.01	0.067
ICP-induced coupled plasma-AFPC IX.7.C	402	33	0.96	0.101
Other(describe)	403	3	1.78	0.021
Method Group 400		38	0.96	0.11
MgO				
Atomic Absorption-AFPC IX.8.A	501	2	0.42	0.019
ICP-induced coupled plasma-AFPC IX.8.B	502	33	0.32	0.022
Other(describe)	503	3	0.35	0.011
Method Group 500		38	0.33	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	13.26	0.343
Other(describe)	602	4	12.26	0.982
Method Group 600		25	13.23	0.35
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	18	3.02	0.159
Other(describe)	652	12	3.28	0.321
Method Group 650		30	3.09	0.31
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	4	41.66	0.428
ICP-induced coupled plasma-AFPC IX.12.D	702	19	42.07	0.375
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	42.07	0.000
EDTA Volumetric-AFPC IX.12.C	705	1	42.05	0.000
Other(describe)	706	11	41.92	0.209
Method Group 700		36	41.99	0.35
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	2	41.53	0.341
ICP-induced coupled plasma-AFPC IX.12.D	712	12	42.55	0.338
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	42.35	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	10	42.14	0.166
Method Group 710		25	42.22	0.34

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	29	2.94	0.067
Other (describe)	803	3	2.95	0.093
Method Group 800		32	2.94	0.07
Arsenic, As				
Atomic Absorption	911	2	14.3	3.75
ICP-induced coupled plasma-AFPC IX.15.B	912	16	11.0	3.13
Other(describe)	913	4	12.8	0.64
Method Group 900		22	11.8	2.92
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	87	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	21	97	7.5
Other(describe)	923	2	105	0.7
Method Group 910		24	97	8.3
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	2	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	9	1	0.2
Other(describe)	933	2	2	0.0
Method Group 920		12	1	0.2
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	2	150.0	111.94
Other(describe)	943	1	239.0	0.00
Method Group 930		3	239.0	111.94
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	14	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	10	15	0.5
Other(describe)	953	1	21	0.0
Method Group 940		12	15	0.7
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	93	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	20	101	7.2
Other(describe)	963			
Method Group 950		21	100	8.1
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	20	9	1.2
Other(describe)	973			
Method Group 960		21	9	1.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	29	2.6
Other(describe)	983	1	33	0.0
Method Group 970		6	30	3.1
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	923	0
ICP-induced coupled plasma-AFPC IX.16.A	992	20	938	60
Other(describe)	993			
Method Group 980		21	936	54

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
13	1.09		-1.914
13	1.05		-1.646
Std Dev	0.97		-1.000
24	0.96		-0.919
10	0.92		-0.651
49	0.90		-0.459
21	0.87		-0.268
21	0.86		-0.191
26	0.86		-0.191
15	0.85		-0.115
15	0.85		-0.115
26	0.84		-0.038
24	0.84		0.000
Median	0.84		0.000
9	0.83		0.038
9	0.83		0.038
10	0.79		0.383
16	0.71		0.966
Std Dev	0.70		1.000
266	0.70		1.034
30	0.68		1.187
16	0.67		1.237
55	0.48		2.757
113	0.46		2.871
77	0.33		3.905
77	0.33		3.905

102 Other (describe)			
Lab	%	H ₂ O	
85	1.04		-1.937
85	1.02		-1.672
Std Dev	0.95		-1.000
84	0.88		-0.239
86	0.87		-0.080
Median	0.86		0.000
86	0.85		0.080
84	0.81		0.504
Std Dev	0.76		1.000
35	0.72		1.459
35	0.70		1.672

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
55	28.62		-0.789
28	28.55		-0.489
22	28.44		-0.024
28	28.44		-0.020
Median	28.43		0.000
77	28.43		0.020
Std Dev	28.21		1.000
113	28.17		1.156
113	28.13		1.331
82	28.12		1.375

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	29.86		-4.970
10	28.69		-1.169
Std Dev	28.64		-1.000
10	28.53		-0.650
82	28.33		0.000
Median	28.33		0.000
16	28.22		0.374
10	28.18		0.487
10	28.15		0.585

203 AOAC 962.02-15th			
Lab	%	P2O5	
9	28.32		-1.340
Std Dev	28.30		-1.000
Median	28.26		0.000
Std Dev	28.21		1.000
9	28.19		1.340

204 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
15	29.49		-6.845
15	29.49		-6.845
30	28.62		-1.547
Std Dev	28.53		-1.000
13	28.49		-0.720
35	28.46		-0.567
13	28.46		-0.536
51	28.46		-0.536
35	28.45		-0.475

92	28.40		-0.168
92	28.40		-0.168
51	28.38		-0.077
Median	28.37		0.000
49	28.36		0.077
26	28.34		0.168
24	28.33		0.260
21	28.30		0.444
24	28.24		0.781
85	28.24		0.812
26	28.22		0.904
16	28.22		0.931
Std Dev	28.20		1.000
21	28.20		1.057
85	28.17		1.240
81	28.04		2.006

205 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
22	28.53		-3.350
Std Dev	28.35		-1.000
84	28.35		-0.871
84	28.30		-0.268
Median	28.28		0.000
86	28.26		0.268
86	28.23		0.737
Std Dev	28.21		1.000
77	28.08		2.680

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.75		-1.359
Std Dev	28.69		-1.000
77	28.52		0.000
Median	28.52		0.000
Std Dev	28.35		1.000
113	28.30		1.321

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	30.07		-5.293
Std Dev	28.72		-1.000
10	28.41		-0.008
Median	28.41		0.000

16	28.41		0.008
10	28.40		0.019

213 AOAC 962.02-15th			
Lab	%	P2O5	dB
9	28.56		-1.340
Std Dev	28.54		-1.000
Median	28.49		0.000
Std Dev	28.44		1.000
9	28.43		1.340

214 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
15	29.74		-6.088
15	29.74		-6.088
30	28.82		-1.240
13	28.79		-1.090
Std Dev	28.77		-1.000
13	28.77		-0.984
35	28.66		-0.424
35	28.65		-0.374
49	28.61		-0.163
26	28.58		0.000
Median	28.58		0.000
24	28.56		0.087
21	28.54		0.208
85	28.52		0.292
24	28.51		0.356
26	28.46		0.606
85	28.46		0.626
21	28.44		0.724
16	28.42		0.858

215 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
84	28.60		-1.882
Std Dev	28.55		-1.000
84	28.53		-0.512
86	28.51		0.000
Median	28.51		0.000
86	28.47		0.828
Std Dev	28.46		1.000
77	28.17		7.000

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
22	1.14	-3.815
Std Dev	0.76	-1.000
30	0.65	-0.168
Median	0.63	0.000
85	0.61	0.168
55	0.56	0.540

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
35	0.73	-1.693
35	0.72	-1.552
266	0.71	-1.411
81	0.69	-1.058
Std Dev	0.68	-1.000
28	0.68	-0.948
84	0.66	-0.705
84	0.66	-0.635
15	0.65	-0.494
51	0.65	-0.494
15	0.64	-0.423
92	0.63	-0.282
51	0.63	-0.212
28	0.62	-0.148
92	0.62	-0.141
82	0.61	0.000
85	0.61	0.000
86	0.61	0.000
86	0.61	0.000
Median	0.61	0.000
16	0.59	0.331
16	0.59	0.353
24	0.57	0.564
21	0.56	0.705
21	0.55	0.846
49	0.55	0.846
Std Dev	0.54	1.000
10	0.53	1.128
9	0.53	1.199
24	0.53	1.199
13	0.52	1.269
13	0.52	1.269
9	0.51	1.411

10	0.51	1.411
303 Other(describe)		
Lab	%	Fe2O3
77	0.74	-1.892
Std Dev	0.71	-1.000
77	0.68	0.000
Median	0.68	0.000
22	0.65	0.788

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.10	-1.340
Std Dev	1.07	-1.000
Median	1.01	0.000
Std Dev	0.94	1.000
30	0.92	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.94	-9.777
22	1.26	-3.027
35	1.23	-2.680
35	1.19	-2.333
Std Dev	1.06	-1.000
85	1.02	-0.645
92	1.02	-0.645
85	1.02	-0.596
84	1.01	-0.546
92	1.01	-0.546
82	0.99	-0.298
84	0.99	-0.298
28	0.98	-0.253
21	0.97	-0.149
86	0.97	-0.099
21	0.96	0.000
9	0.96	0.000
15	0.96	0.000
15	0.96	0.000
Median	0.96	0.000
28	0.95	0.078
86	0.95	0.099
9	0.91	0.447
16	0.88	0.730

81	0.88	0.744
24	0.88	0.794
51	0.88	0.794
49	0.87	0.893
16	0.86	0.943
Std Dev	0.85	1.000
51	0.84	1.141
10	0.80	1.588
10	0.78	1.737
24	0.78	1.787
13	0.76	1.985
13	0.75	2.035

403 Other(describe)		
Lab	%	Al2O3
77	1.79	-0.487
77	1.78	0.000
Median	1.78	0.000
Std Dev	1.75	1.000
22	1.73	2.193

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.45	-1.340
Std Dev	0.44	-1.000
Median	0.42	0.000
Std Dev	0.40	1.000
30	0.40	1.340

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
28	0.37	-2.206
22	0.36	-1.787
35	0.35	-1.340
86	0.35	-1.340
266	0.35	-1.340
28	0.35	-1.144
Std Dev	0.34	-1.000
49	0.34	-0.893
92	0.34	-0.893
92	0.34	-0.893
21	0.34	-0.670
35	0.34	-0.670
86	0.34	-0.670

15	0.33	-0.447
15	0.33	-0.447
21	0.33	-0.447
84	0.33	-0.223
9	0.32	0.000
Median	0.32	0.000
13	0.32	0.223
13	0.32	0.223
24	0.32	0.223
82	0.32	0.223
84	0.32	0.223
85	0.32	0.223
81	0.31	0.447
85	0.31	0.447
51	0.31	0.670
16	0.30	0.737
16	0.30	0.826
9	0.30	0.893
10	0.30	0.893
10	0.30	0.893
Std Dev	0.30	1.000
24	0.29	1.340
51	0.29	1.563

503 Other(describe)		
Lab	%	MgO
22	0.36	-0.893
77	0.35	0.000
Median	0.35	0.000
Std Dev	0.34	1.000
77	0.33	1.787

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
15	18.48	-15.206
15	18.48	-15.206
10	13.79	-1.544
26	13.68	-1.223
26	13.63	-1.078
Std Dev	13.60	-1.000
55	13.52	-0.743
51	13.45	-0.539
51	13.37	-0.320
16	13.35	-0.269

16	13.33	-0.197
22	13.26	0.000
Median	13.26	0.000
13	13.24	0.058
9	13.23	0.087
10	13.22	0.131
30	13.08	0.524
21	13.06	0.597
24	13.03	0.685
49	12.98	0.816
Std Dev	12.92	1.000
9	12.76	1.471
24	12.69	1.675
13	12.68	1.690

602 Other(describe)		
Lab	%	AI
21	13.02	-0.766
266	12.90	-0.649
Median	12.26	0.000
35	11.63	0.649
35	11.58	0.700

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
9	3.90	-5.549
9	3.90	-5.549
Std Dev	3.18	-1.000
85	3.15	-0.820
85	3.15	-0.820
30	3.12	-0.599
24	3.11	-0.536
21	3.07	-0.315
21	3.07	-0.315
15	3.02	0.000
15	3.02	0.000
Median	3.02	0.000
24	2.99	0.189
13	2.91	0.694
16	2.90	0.757
16	2.90	0.757
77	2.90	0.788
Std Dev	2.86	1.000
55	2.85	1.072

13	2.76	1.640
49	2.69	2.081

652 Other(describe)			
Lab	%	CO2	
35	8.78	-17.132	
35	8.72	-16.945	
82	3.71	-1.332	
Std Dev	3.60	-1.000	
51	3.52	-0.725	
84	3.41	-0.382	
51	3.35	-0.210	
Median	3.28	0.000	
86	3.22	0.210	
86	3.19	0.288	
84	3.18	0.319	
81	3.00	0.896	
Std Dev	2.96	1.000	
22	2.64	2.018	
266	2.52	2.376	

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
22	42.36	-1.647	
Std Dev	42.08	-1.000	
113	41.79	-0.315	
Median	41.66	0.000	
113	41.52	0.315	
Std Dev	41.23	1.000	
55	40.88	1.822	

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
266	43.04	-2.587	
Std Dev	42.45	-1.000	
51	42.43	-0.960	
21	42.40	-0.880	
16	42.31	-0.633	
51	42.30	-0.613	
82	42.30	-0.613	
21	42.29	-0.573	
49	42.21	-0.373	
13	42.12	-0.120	
13	42.07	0.000	

Median	42.07	0.000
16	42.02	0.133
92	41.99	0.227
92	41.92	0.400
9	41.82	0.680
9	41.78	0.773
Std Dev	41.70	1.000
10	41.66	1.093
28	41.62	1.193
10	41.41	1.760
28	41.00	2.841

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

704 Permanganate			
Lab	%	CaO	
30	42.07	0.000	
Median	42.07	0.000	

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
81	42.05	0.000	
Median	42.05	0.000	

706 Other(describe)			
Lab	%	CaO	
22	42.22	-1.436	
Std Dev	42.13	-1.000	
77	42.08	-0.766	
84	41.99	-0.335	
84	41.99	-0.335	
77	41.96	-0.167	
85	41.92	0.000	
Median	41.92	0.000	
15	41.78	0.670	
15	41.78	0.670	
Std Dev	41.71	1.000	
85	41.64	1.340	
24	41.61	1.507	
24	41.57	1.675	

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
113	41.98	-1.340	
Std Dev	41.87	-1.000	
Median	41.53	0.000	
Std Dev	41.19	1.000	
55	41.07	1.340	

712 ICP-induced coupled plasma-AFPC IX.12.I			
Lab	%	CaO	dB
266	43.34	-2.359	
Std Dev	42.88	-1.000	
21	42.77	-0.667	
21	42.65	-0.311	
16	42.59	-0.141	
49	42.59	-0.132	
13	42.56	-0.045	
Median	42.55	0.000	
13	42.53	0.045	
16	42.32	0.671	
Std Dev	42.21	1.000	
9	42.16	1.130	
9	42.13	1.235	
10	41.99	1.649	
10	41.79	2.227	

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

714 Permanganate			
Lab	%	CaO	dB
30	42.35	0.000	
Median	42.35	0.000	

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

716 Other(describe)			
Lab	%	CaO	dB
84	42.36	-1.351	
85	42.35	-1.273	
84	42.33	-1.171	

Std Dev	42.30	-1.000
77	42.22	-0.475
15	42.14	0.000
15	42.14	0.000
Median	42.14	0.000
77	42.09	0.279
85	42.08	0.364
Std Dev	41.97	1.000
24	41.97	1.006
24	41.96	1.100

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

9	3.14	-3.052
9	3.13	-2.829
55	3.12	-2.680
113	3.10	-2.457
Std Dev	3.00	-1.000
113	3.00	-0.968
35	2.97	-0.521
49	2.97	-0.521
30	2.97	-0.447
35	2.97	-0.447
26	2.96	-0.372
28	2.95	-0.250
21	2.95	-0.223
26	2.95	-0.223
24	2.94	-0.074
21	2.94	0.000
24	2.94	0.000
Median	2.94	0.000
266	2.93	0.074
13	2.91	0.372
16	2.91	0.372
84	2.91	0.447
16	2.90	0.521
22	2.88	0.893
13	2.87	0.968
51	2.87	0.968
84	2.87	0.968

Std Dev	2.87	1.000
82	2.78	2.382
51	2.76	2.680
15	2.68	3.871
15	2.68	3.871

803	Other(describe)	
Lab	%	Fluorine, F
77	2.95	-0.054
77	2.95	0.000
Median	2.95	0.000
Std Dev	2.85	1.000
22	2.70	2.626

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
113	19.3	-1.340
Std Dev	18.0	-1.000
Median	14.3	0.000
Std Dev	10.5	1.000
55	9.3	1.340

912	ICP-induced coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
113	15.2	-1.351
82	14.5	-1.112
24	14.2	-1.032
Std Dev	14.1	-1.000
266	13.3	-0.745
24	13.0	-0.649
16	12.0	-0.340
35	11.5	-0.171
81	11.0	-0.024
Median	11.0	0.000
16	10.9	0.024
35	9.5	0.467
51	9.5	0.467
85	9.0	0.627
51	8.5	0.786
84	8.5	0.786
84	8.0	0.946
85	8.0	0.946

913	Other(describe)	
Lab	ppm	Arsenic, As
77	14.5	-2.715
Std Dev	13.4	-1.000
77	13.0	-0.364
Median	12.8	0.000
28	12.5	0.364
28	12.5	0.458

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
55	87	0.000
Median	87	0.000

922	ICP-induced coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
16	106	-1.193
16	105	-1.112
Std Dev	104	-1.000
266	101	-0.536
77	100	-0.402
77	100	-0.335
84	99	-0.268
85	98	-0.067
113	97	-0.054
81	97	-0.001
84	97	0.000
85	97	0.000
Median	97	0.000
86	95	0.268
86	94	0.469
24	93	0.590
113	93	0.596
Std Dev	90	1.000
35	89	1.072
35	86	1.541
22	85	1.579
24	85	1.581
51	83	1.876
51	81	2.144

923	Other(describe)	
Lab	ppm	Cadmium, Cd
28	106	-1.340

Std Dev	106	-1.000
Median	105	0.000
Std Dev	104	1.000
28	104	1.340

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
55	2	0.000
Median	2	0.000

932	ICP-induced coupled plasma-AFPC IX.16.	
Lab	ppm	Cobalt, Co
35	<1	0.000
77	<0.6	0.000
77	<0.6	0.000
81	2	-1.275
Std Dev	1	-1.000
22	1	-0.686
266	1	-0.621
16	1	-0.461
113	1	0.000
Median	1	0.000
82	1	0.033
16	1	0.719
35		1.994
113		3.272

933	Other(describe)	
Lab	ppm	Cobalt, Co
28	2	-1.340
Std Dev	2	-1.000
Median	2	0.000
Std Dev	2	1.000
28	2	1.340

941	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Mercury, Hg
Median	0.0	0.000

942	ICP-induced coupled plasma-AFPC IX.16.	
Lab	ppm	Mercury, Hg
35	<1	0.000
35	<1	0.000
266	300.0	-1.340

Std Dev	261.9	-1.000
Median	150.0	0.000
	22	1.340

943 Other(describe)		
Lab	ppm	Mercury, Hg
	24	239.0
Median	239.0	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
	55	14
Median	14	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo

	77	17	-2.594
	266	16	-1.729
Std Dev	16	-1.000	
	16	16	-0.702
	16	16	-0.659
	24	16	-0.648
Median	15	0.000	
	77	15	0.648
	81	15	0.648
	82	15	0.648
Std Dev	15	1.000	
	24	14	2.377
	22	12	7.251

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
	28	21
Median	21	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
	55	93
Median	93	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
	81	115
	84	111
		-1.808
		-1.323

	28	110	-1.192
Std Dev	109	-1.000	
	84	108	-0.908
	16	107	-0.787
	16	105	-0.545
	35	105	-0.423
	82	104	-0.353
	266	103	-0.215
	28	103	-0.201
Median	101	0.000	
	35	100	0.201
	113	99	0.353
	85	97	0.616
	85	97	0.616
	24	97	0.658
	113	95	0.963
Std Dev	94	1.000	
	22	93	1.205
	24	92	1.351
	77	90	1.656
	77	89	1.725

963 Other(describe)		
Lab	ppm	Nickel, Ni
Median	0	0.000

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

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
	84	15
	85	14
	85	14
	84	13
Std Dev	10	-1.000
	81	10
	16	10
	51	10
	22	9
	266	9
	82	9
		-4.702
		-3.850
		-3.850
		-3.424
		-0.887
		-0.589
		-0.444
		-0.333
		-0.189
		-0.019

Median	9	0.000
	16	9
	113	9
	35	9
	51	9
	113	8
	35	8
Std Dev	8	1.000
	77	7
	77	6
	24	5
	24	4
		0.019
		0.343
		0.407
		0.407
		0.624
		0.833
		1.684
		2.536
		3.558
		4.154

973 Other(describe)		
Lab	ppm	Lead, Pb
Median	0	0.000

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

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
	16	32
Std Dev	32	-1.000
	16	30
	266	29
Median	29	0.000
	113	27
Std Dev	26	1.000
	113	22
		-1.163
		-0.598
		0.000
		0.742
		2.532

983 Other(describe)		
Lab	ppm	Selenium, Se
	28	33
Median	33	0.000

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
	55	923
Median	923	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn

	24	1052	-1.891
	81	1051	-1.874
	28	1040	-1.692
	28	1023	-1.409
	16	1000	-1.031
Std Dev	998	-1.000	
	16	981	-0.716
	77	972	-0.564
	24	970	-0.531
	77	958	-0.332
	84	941	-0.041
Median	938	0.000	
	35	936	0.041
	35	934	0.066
	84	934	0.066
	85	910	0.473
	85	909	0.489
	82	895	0.713
Std Dev	878	1.000	
	266	863	1.244
	22	819	1.980
	113	816	2.032
	113	808	2.164

993 Other(describe)		
Lab	ppm	Zinc, Zn
Median	0	0.000