

AFPC Rock Check Program

Sample No. 2023-07

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	22	0.96	0.144
Other (describe)	102	8	1.02	0.132
Method Group 100		30	0.97	0.15
P₂O₅				
Gravimetric AFPC IX.3.B	201	12	27.55	0.153
ICP-induced coupled plasma AFPC IX.3.D	202	4	27.39	0.032
AOAC 962.02-15th	203	2	27.62	0.160
Photometric-AFPC IX.3.C	204	26	27.47	0.143
Automated -AOAC 978.01-15th	205	7	27.56	0.112
Method Group 200		51	27.49	0.16
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	6	27.81	0.421
ICP-induced coupled plasma AFPC IX.3.D	212	3	27.63	0.036
AOAC 962.02-15th	213	2	27.87	0.169
Photometric-AFPC IX.3.C	214	14	27.74	0.176
Automated -AOAC 978.01-15th	215	5	27.87	0.067
Method Group 210		30	27.77	0.23
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	3	1.13	0.030
ICP-induced coupled plasma-AFPC IX.6.C	302	33	1.15	0.170
Other(describe)	303	5	1.28	0.142
Method Group 300		41	1.15	0.08
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	1.10	0.035
ICP-induced coupled plasma-AFPC IX.7.C	402	34	1.19	0.086
Other(describe)	403	4	1.52	0.035
Method Group 400		40	1.19	0.12
MgO				
Atomic Absorption-AFPC IX.8.A	501	3	0.63	0.062
ICP-induced coupled plasma-AFPC IX.8.B	502	34	0.56	0.019
Other(describe)	503	4	0.58	0.038
Method Group 500		41	0.56	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	15.95	0.267
Other(describe)	602	3	15.59	0.315
Method Group 600		24	15.92	0.28
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	15	3.53	0.168
Other(describe)	652	16	4.27	0.869
Method Group 650		31	3.68	0.59
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	3	40.64	0.276
ICP-induced coupled plasma-AFPC IX.12.D	702	20	40.90	0.333
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	41.24	0.687
EDTA Volumetric-AFPC IX.12.C	705	1	40.11	0.000
Other(describe)	706	15	40.87	0.435
Method Group 700		42	40.89	0.41
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	2	40.99	0.342
ICP-induced coupled plasma-AFPC IX.12.D	712	11	41.28	0.264
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	41.60	0.763
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	12	41.32	0.471
Method Group 710		27	41.28	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	29	3.13	0.071
Other (describe)	803	3	2.75	0.037
Method Group 800		32	3.11	0.17
Arsenic, As				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	22	22.4	6.32
Other(describe)	913	2	24.0	0.37
Method Group 900		24	23.0	4.99
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	2	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	22	3	0.7
Other(describe)	923			
Method Group 910		23	3	0.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	18	4	1.8
Other(describe)	933			
Method Group 920		18	4	1.8
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	3	0.9	0.37
Other(describe)	943	1	1.1	0.00
Method Group 930		4	0.9	0.29
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	15	13	1.3
Other(describe)	953	1	14	0.0
Method Group 940		16	13	1.3
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	22	18	1.8
Other(describe)	963			
Method Group 950		22	18	1.8
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	20	13	2.2
Other(describe)	973			
Method Group 960		20	13	2.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	5	1	0.7
Other(describe)	983	2	0	0.0
Method Group 970		7	1	1.2
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-induced coupled plasma-AFPC IX.16.A	992	21	44	2
Other(describe)	993			
Method Group 980		21	44	2

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
13	1.18	-1.490	
15	1.11	-1.005	
15	1.11	-1.005	
Std Dev	1.10	-1.000	
13	1.10	-0.970	
55	1.10	-0.970	
21	1.09	-0.901	
49	1.07	-0.728	
21	1.05	-0.624	
24	1.04	-0.554	
10	0.99	-0.208	
24	0.97	-0.035	
Median	0.96	0.000	

9	0.96	0.035	
10	0.94	0.139	
22	0.93	0.243	
77	0.90	0.416	
16	0.89	0.475	
9	0.89	0.485	
30	0.89	0.520	
16	0.88	0.587	
77	0.86	0.693	
Std Dev	0.82	1.000	
27	0.65	2.148	
113	0.51	3.118	

102 Other (describe)			
Lab	%	H ₂ O	
86	1.13	-0.774	
86	1.12	-0.736	
85	1.10	-0.585	
85	1.08	-0.434	
Median	1.02	0.000	
84	0.97	0.434	
84	0.96	0.510	
Std Dev	0.89	1.000	
35	0.85	1.340	
35	0.78	1.831	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	28.30	-4.877	

55	28.24	-4.518	
241	27.73	-1.158	
Std Dev	27.70	-1.000	
56	27.70	-0.962	
241	27.67	-0.799	
22	27.56	-0.049	
Median	27.55	0.000	
84	27.54	0.049	
84	27.53	0.147	
28	27.52	0.183	
113	27.43	0.767	
113	27.41	0.930	
Std Dev	27.39	1.000	
28	27.39	1.040	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
10	27.42	-1.031	
Std Dev	27.42	-1.000	
82	27.41	-0.555	
Median	27.39	0.000	
10	27.37	0.555	
16	27.36	0.999	

203 AOAC 962.02-15th			
Lab	%	P2O5	
9	27.83	-1.340	
Std Dev	27.78	-1.000	
Median	27.62	0.000	
Std Dev	27.45	1.000	
9	27.40	1.340	

204 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
49	27.79	-2.242	
10	27.70	-1.612	
13	27.69	-1.506	
21	27.67	-1.366	
10	27.63	-1.121	
Std Dev	27.61	-1.000	
82	27.61	-0.981	
30	27.58	-0.771	
13	27.52	-0.350	
26	27.52	-0.350	

24	27.49	-0.140	
51	27.49	-0.140	
35	27.49	-0.105	
81	27.48	-0.070	
Median	27.47	0.000	
51	27.46	0.070	
24	27.45	0.140	
21	27.44	0.245	
78	27.43	0.280	
27	27.41	0.420	
92	27.39	0.596	
92	27.37	0.701	
26	27.35	0.841	
16	27.35	0.862	
35	27.34	0.946	
Std Dev	27.33	1.000	
78	27.29	1.296	
15	27.12	2.452	
15	27.12	2.452	

205 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
85	27.64	-0.715	
85	27.62	-0.536	
56	27.61	-0.491	
86	27.56	0.000	
Median	27.56	0.000	
86	27.52	0.313	
Std Dev	27.44	1.000	
22	27.41	1.340	
77	27.23	2.948	

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.55	-1.769	
77	28.54	-1.736	
Std Dev	28.23	-1.000	
22	27.81	-0.005	
Median	27.81	0.000	
84	27.81	0.005	
84	27.79	0.047	
113	27.57	0.570	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
10	27.69	-1.788	
Std Dev	27.67	-1.000	
10	27.63	0.000	
Median	27.63	0.000	
16	27.60	0.892	

213 AOAC 962.02-15th			
Lab	%	P2O5	dB
9	28.10	-1.340	
Std Dev	28.04	-1.000	
Median	27.87	0.000	
Std Dev	27.70	1.000	
9	27.65	1.340	

214 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
49	28.09	-1.995	
13	28.01	-1.569	
21	27.96	-1.253	
Std Dev	27.91	-1.000	
30	27.83	-0.502	
13	27.83	-0.501	
24	27.76	-0.113	
24	27.74	-0.003	
Median	27.74	0.000	
21	27.74	0.003	
35	27.72	0.106	
16	27.59	0.823	
27	27.59	0.844	
Std Dev	27.56	1.000	
35	27.55	1.068	
15	27.42	1.788	
15	27.42	1.788	

215 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
85	27.94	-1.011	
Std Dev	27.94	-1.000	
85	27.92	-0.795	
86	27.87	0.000	
Median	27.87	0.000	
86	27.83	0.545	

Std Dev 27.80 1.000
77 27.47 5.872

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
22	1.21	-2.680	
Std Dev	1.16	-1.000	
30	1.13	0.000	
55	1.13	0.000	
Median	1.13	0.000	

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	1.56	-2.415	
35	1.55	-2.356	
Std Dev	1.32	-1.000	
78	1.30	-0.854	
51	1.24	-0.501	
28	1.23	-0.482	
28	1.23	-0.474	
16	1.21	-0.368	
51	1.21	-0.324	
16	1.20	-0.280	
82	1.20	-0.265	
78	1.19	-0.206	
84	1.17	-0.088	
81	1.16	-0.059	
85	1.16	-0.029	
86	1.16	-0.029	
85	1.15	0.000	
86	1.15	0.000	
Median	1.15	0.000	
24	1.14	0.059	
24	1.14	0.059	
84	1.14	0.059	
15	1.13	0.147	
92	1.12	0.206	
15	1.11	0.236	
92	1.10	0.295	
Std Dev	0.98	1.000	
49	0.97	1.060	
13	0.96	1.149	
21	0.95	1.178	
21	0.95	1.178	

10	0.92	1.355	
9	0.91	1.414	
10	0.90	1.473	
13	0.89	1.561	
9	0.87	1.649	

303 Other(describe)			
Lab	%	Fe2O3	
77	1.42	-1.023	
Std Dev	1.42	-1.000	
77	1.40	-0.882	
22	1.28	0.000	
Median	1.28	0.000	
56	1.21	0.458	
Std Dev	1.13	1.000	
27	0.90	2.645	

401 Atomic Absorption-AFPC IX.6.B			
Lab	%	Al2O3	
30	1.15	-1.340	
Std Dev	1.13	-1.000	
Median	1.10	0.000	
Std Dev	1.06	1.000	
55	1.05	1.340	

402 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Al2O3	
78	1.50	-3.612	
78	1.45	-2.971	
35	1.43	-2.738	
35	1.38	-2.214	
51	1.32	-1.515	
15	1.30	-1.223	
15	1.30	-1.223	
Std Dev	1.28	-1.000	
85	1.26	-0.757	
51	1.25	-0.699	
85	1.25	-0.699	
28	1.22	-0.383	
86	1.22	-0.350	
86	1.22	-0.291	
22	1.21	-0.175	
24	1.21	-0.175	
28	1.19	-0.052	

501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
55	0.78	-2.436	
Std Dev	0.69	-1.000	
30	0.63	0.000	
Median	0.63	0.000	
27	0.62	0.244	

81	1.19	0.000	
82	1.19	0.000	
92	1.19	0.000	
Median	1.19	0.000	
92	1.18	0.117	
24	1.18	0.175	
16	1.16	0.385	
13	1.15	0.466	
16	1.15	0.507	
13	1.14	0.641	
21	1.14	0.641	
10	1.13	0.699	
49	1.13	0.699	
21	1.13	0.757	
9	1.12	0.816	
10	1.12	0.816	
84	1.12	0.816	
9	1.11	0.932	
84	1.11	0.990	

403 Other(describe)			
Lab	%	Al2O3	
77	1.58	-1.622	
Std Dev	1.55	-1.000	
56	1.53	-0.353	
Median	1.52	0.000	
77	1.51	0.353	
Std Dev	1.48	1.000	
22	1.46	1.622	

502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
35	0.66	-4.968	
21	0.62	-3.138	
21	0.60	-2.092	
24	0.59	-1.569	

28	0.59	-1.364	
28	0.58	-1.307	
13	0.58	-1.046	
49	0.58	-1.046	
78	0.58	-1.046	
Std Dev	0.58	-1.000	
13	0.58	-0.784	
10	0.57	-0.523	
24	0.57	-0.523	
35	0.57	-0.523	
16	0.57	-0.288	
9	0.56	0.000	
9	0.56	0.000	
10	0.56	0.000	
51	0.56	0.000	
82	0.56	0.000	
85	0.56	0.000	
92	0.56	0.000	
92	0.56	0.000	
Median	0.56	0.000	
84	0.56	0.261	
85	0.56	0.261	
86	0.56	0.261	
16	0.55	0.392	
78	0.55	0.523	
81	0.55	0.523	
86	0.55	0.523	
51	0.55	0.784	
Std Dev	0.54	1.000	
15	0.54	1.307	
15	0.54	1.307	
84	0.53	1.569	
22	0.51	2.615	

503 Other(describe)			
Lab	%	MgO	
77	0.63	-1.242	
Std Dev	0.62	-1.000	
77	0.61	-0.588	
Median	0.58	0.000	
22	0.56	0.588	
56	0.56	0.588	

601 Insoluble-AFPC IX.4.A		
Lab	%	AI
55	16.70	-2.811
21	16.34	-1.443
22	16.30	-1.312
26	16.25	-1.124
Std Dev	16.22	-1.000
26	16.20	-0.937
16	16.13	-0.684
10	16.11	-0.600
16	16.09	-0.525
10	16.02	-0.262
9	15.95	0.000
49	15.95	0.000
Median	15.95	0.000
9	15.90	0.206
13	15.88	0.281
13	15.86	0.337
24	15.82	0.487
24	15.78	0.656
15	15.77	0.675
15	15.77	0.675
Std Dev	15.68	1.000
30	15.68	1.012
51	15.66	1.087
51	15.56	1.481

602 Other(describe)		
Lab	%	AI
21	16.37	-2.474
Std Dev	15.90	-1.000
35	15.59	0.000
Median	15.59	0.000
35	15.52	0.206

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
21	3.74	-1.280
21	3.74	-1.280
Std Dev	3.69	-1.000
24	3.68	-0.893
24	3.62	-0.566
49	3.57	-0.268
16	3.55	-0.149

30	3.55	-0.119
77	3.53	0.000
Median	3.53	0.000
16	3.50	0.149
13	3.42	0.655
13	3.40	0.744
Std Dev	3.36	1.000
9	3.34	1.102
9	3.31	1.310
15	3.17	2.114
15	3.17	2.114

652 Other(describe)		
Lab	%	CO2
35	7.06	-3.209
35	6.98	-3.111
78	5.21	-1.075
Std Dev	5.14	-1.000
78	5.11	-0.966
82	4.94	-0.771
51	4.50	-0.259
51	4.44	-0.196
86	4.30	-0.035
Median	4.27	0.000
85	4.24	0.035
86	4.20	0.081
85	4.20	0.081
22	3.82	0.518
84	3.81	0.529
55	3.62	0.748
84	3.47	0.920
56	3.45	0.943

85	4.20	0.081
22	3.82	0.518
84	3.81	0.529
55	3.62	0.748
84	3.47	0.920
56	3.45	0.943

701 Gravimetric sulfate-AFPC IX.12.A		
Lab	%	CaO
22	41.06	-1.521
Std Dev	40.92	-1.000
113	40.64	0.000
Median	40.64	0.000
Std Dev	40.36	1.000
113	40.32	1.159

702 ICP-induced coupled plasma-AFPC IX.12.D		
Lab	%	CaO

28	41.66	-2.268
78	41.59	-2.063
28	41.47	-1.702
21	41.29	-1.161
Std Dev	41.24	-1.000
92	41.20	-0.875
16	41.17	-0.792
13	41.07	-0.499
21	41.06	-0.454
92	41.04	-0.409
16	40.91	-0.012
Median	40.90	0.000
13	40.90	0.012
82	40.88	0.072
9	40.78	0.373
10	40.78	0.373
49	40.73	0.523
51	40.73	0.538
51	40.62	0.854
9	40.61	0.884
Std Dev	40.57	1.000
10	40.57	1.004
78	39.02	5.665

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

704 Permanganate		
Lab	%	CaO
55	42.05	-1.187
Std Dev	41.92	-1.000
30	41.24	0.000
Median	41.24	0.000
Std Dev	40.55	1.000
27	40.21	1.493

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
81	40.11	0.000
Median	40.11	0.000

706 Other(describe)		
Lab	%	CaO

35	44.62	-8.615
35	44.17	-7.591
77	41.50	-1.449
85	41.36	-1.127
Std Dev	41.30	-1.000
56	41.29	-0.966
85	41.22	-0.805
77	41.02	-0.334
84	40.87	0.000
Median	40.87	0.000
15	40.79	0.184
15	40.79	0.184
22	40.76	0.265
82	40.73	0.322
84	40.66	0.483
24	40.57	0.690
Std Dev	40.44	1.000
24	40.16	1.645

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
22	41.44	-1.340	
Std Dev	41.33	-1.000	
Median	40.99	0.000	
Std Dev	40.64	1.000	
113	40.53	1.340	

712 ICP-induced coupled plasma-AFPC IX.12.I			
Lab	%	CaO	dB
21	41.75	-1.778	
13	41.56	-1.070	
Std Dev	41.54	-1.000	
16	41.53	-0.967	
21	41.49	-0.814	
13	41.35	-0.299	
16	41.28	0.000	
Median	41.28	0.000	
10	41.19	0.334	
49	41.17	0.408	
9	41.15	0.492	
Std Dev	41.01	1.000	
9	41.00	1.040	
10	40.95	1.217	

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

714 Permanganate			
Lab	%	CaO	dB
55	42.52		-1.199
Std Dev	42.37		-1.000
30	41.60		0.000
Median	41.60		0.000
Std Dev	40.84		1.000
27	40.47		1.481

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

716 Other(describe)			
Lab	%	CaO	dB
35	45.00		-7.811
35	44.52		-6.795
77	41.88		-1.184
85	41.81		-1.046
Std Dev	41.79		-1.000
85	41.68		-0.763
77	41.37		-0.109
Median	41.32		0.000
84	41.27		0.109
15	41.25		0.157
15	41.25		0.157
84	41.05		0.568
24	40.97		0.753
Std Dev	40.85		1.000
24	40.58		1.578

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	
82	3.49		-5.078
27	3.34		-2.962
21	3.34		-2.892

51	3.23		-1.340
9	3.21		-1.128
Std Dev	3.20		-1.000
9	3.19		-0.846
21	3.18		-0.635
55	3.17		-0.564
24	3.17		-0.494
24	3.16		-0.353
26	3.15		-0.282
51	3.15		-0.282
84	3.15		-0.212
30	3.14		-0.141
26	3.13		0.000
Median	3.13		0.000
13	3.13		0.071
16	3.10		0.423
16	3.10		0.494
84	3.09		0.635
28	3.08		0.705
22	3.08		0.776
28	3.08		0.776
49	3.07		0.846
Std Dev	3.06		1.000
13	2.98		2.186
15	2.65		6.763
15	2.65		6.763
35	2.65		6.771
35	2.50		8.957
113	2.20		13.118

803 Other(describe)			
Lab	%	Fluorine, F	
22	2.81		-1.608
Std Dev	2.78		-1.000
77	2.75		0.000
Median	2.75		0.000
Std Dev	2.71		1.000
77	2.71		1.072

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	
78	27.7		-0.833
113	26.1		-0.572
24	25.6		-0.501
78	25.1		-0.414
24	25.1		-0.414
113	24.9		-0.382
16	24.6		-0.342
22	24.5		-0.323
16	23.8		-0.212
28	23.1		-0.103
28	22.9		-0.069
Median	22.4		0.000
81	22.0		0.069
82	20.6		0.299
35	20.5		0.307
35	19.8		0.418
55	18.8		0.576
Std Dev	16.1		1.000
51	15.5		1.099
51	13.5		1.415
85	13.5		1.415
85	13.5		1.415
84	9.0		2.128
84	8.5		2.207

913 Other(describe)			
Lab	ppm	Arsenic, As	
77	24.5		-1.340
Std Dev	24.4		-1.000
Median	24.0		0.000
Std Dev	23.6		1.000
77	23.5		1.340

921 Atomic Absorption-AFPC IX.11.A			
Lab	ppm	Cadmium, Cd	
86	2		0.000
Median	2		0.000

922 ICP-induced coupled plasma-AFPC IX.11.B			
Lab	ppm	Cadmium, Cd	
78	4		-1.724
78	4		-1.607

51	4		-1.276
Std Dev	3		-1.000
51	3		-0.588
85	3		-0.588
85	3		-0.588
55	3		-0.451
81	3		-0.451
28	3		-0.258
28	3		-0.052
16	3		-0.026
Median	3		0.000
16	3		0.026
22	2		0.237
113	2		0.547
86	2		0.643
35	2		0.781
35	2		0.788
84	2		0.788
84	2		0.788
113	2		0.967
Std Dev	2		1.000
77	1		2.164
77	0		3.540

923 Other(describe)			
Lab	ppm	Cadmium, Cd	
Median	0		0.000

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	
78	7		-1.529
78	7		-1.529
Std Dev	6		-1.000
16	6		-0.794
28	5		-0.628
16	5		-0.621
28	5		-0.500
113	5		-0.403
55	5		-0.389
22	5		-0.141

Median	4	0.000
113	4	0.141
82	3	0.552
24	3	0.638
81	3	0.740
24	3	0.752
35	3	0.752
77	3	0.752
77	3	0.752
35	3	0.971

933 Other(describe)		
Lab	ppm	Cobalt, Co
Median	0	0.000

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

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
35	1.0	-0.389
35	0.9	0.000
Median	0.9	0.000
Std Dev	0.5	1.000
22	0.0	2.291

943 Other(describe)		
Lab	ppm	Mercury, Hg
28	1.1	0.000
Median	1.1	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
77	18	-3.486
77	16	-1.954
28	15	-1.115
Std Dev	15	-1.000
16	14	-0.667
16	14	-0.634

55	14	-0.345
24	14	-0.038
24	13	0.000
Median	13	0.000
81	13	0.345
78	13	0.536
82	13	0.613
78	12	0.766
Std Dev	12	1.000
22	11	1.659
85	10	2.644
85	10	3.027

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
28	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
77	25	-3.630
77	23	-2.779
16	20	-1.310
16	20	-1.138
Std Dev	20	-1.000
84	20	-0.794
85	20	-0.794
85	19	-0.510
84	19	-0.227
24	18	-0.028
28	18	-0.011
24	18	0.000
55	18	0.000
Median	18	0.000
113	18	0.312
78	18	0.340
82	17	0.454
28	17	0.596
78	17	0.624
81	17	0.624

Std Dev	16	1.000
113	16	1.333
22	15	1.548
35	15	1.585
35	15	1.758

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

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
16	16	-1.441
51	16	-1.048
Std Dev	15	-1.000
16	15	-0.834
81	15	-0.818
78	15	-0.726
113	15	-0.703
113	15	-0.611
78	14	-0.565
22	14	-0.214
51	14	-0.127
Median	13	0.000
82	13	0.127
55	12	0.380
35	12	0.565
77	12	0.565
77	12	0.565
35	11	0.832
Std Dev	11	1.000
24	7	2.777
24	7	2.961
85	6	3.560
85	5	4.021

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-inducte coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
113	3	-3.059
113	2	-1.274
Std Dev	2	-1.000
16	1	0.000
Median	1	0.000
16	1	0.066
Std Dev	1	1.000
22	0	1.919

983 Other(describe)		
Lab	ppm	Selenium, Se
77	0	-1.340
Std Dev	0	-1.000
Median	0	0.000
Std Dev	0	1.000
77	0	1.340

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
24	70	-11.792
24	69	-11.100
77	47	-1.496
35	46	-1.050
Std Dev	46	-1.000
82	46	-0.916
78	45	-0.603
81	44	-0.201
55	44	-0.156
78	44	-0.156
84	44	-0.156
113	44	0.000
Median	44	0.000
35	43	0.346
85	43	0.514