

AFPC Rock Check Program

Sample No. 2022-09

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	23	0.80	0.128
Other (describe)	102	9	0.70	0.332
Method Group 100		32	0.75	0.18
P₂O₅				
Gravimetric AFPC IX.3.B	201	10	27.63	0.140
ICP-induced coupled plasma AFPC IX.3.D	202	6	27.43	0.261
AOAC 962.02-15th	203	3	27.72	0.078
Photometric-AFPC IX.3.C	204	24	27.67	0.196
Automated -AOAC 978.01-15th	205	8	27.43	0.157
Method Group 200		51	27.61	0.17
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	5	27.92	0.120
ICP-induced coupled plasma AFPC IX.3.D	212	4	27.44	0.399
AOAC 962.02-15th	213	2	27.97	0.048
Photometric-AFPC IX.3.C	214	16	27.96	0.149
Automated -AOAC 978.01-15th	215	5	27.59	0.016
Method Group 210		32	27.84	0.27
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	2	1.16	0.004
ICP-induced coupled plasma-AFPC IX.6.C	302	34	1.12	0.183
Other(describe)	303	4	1.30	0.104
Method Group 300		40	1.15	0.14
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	1.07	0.006
ICP-induced coupled plasma-AFPC IX.7.C	402	34	1.06	0.087
Other(describe)	403	4	1.38	0.020
Method Group 400		40	1.08	0.12
MgO				
Atomic Absorption-AFPC IX.8.A	501	2	0.66	0.041
ICP-induced coupled plasma-AFPC IX.8.B	502	34	0.80	0.046
Other(describe)	503	4	0.80	0.026
Method Group 500		40	0.79	0.05
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	21	14.14	0.295
Other(describe)	602	4	14.37	0.225
Method Group 600		25	14.19	0.32
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	16	3.69	0.422
Other(describe)	652	17	4.30	0.690
Method Group 650		33	4.05	0.51
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	2	41.90	0.326
ICP-induced coupled plasma-AFPC IX.12.D	702	19	41.65	0.340
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	41.60	0.218
EDTA Volumetric-AFPC IX.12.C	705	1	41.60	0.000
Other(describe)	706	15	41.50	0.815
Method Group 700		39	41.57	0.49
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711	1	41.67	0.000
ICP-induced coupled plasma-AFPC IX.12.D	712	13	41.91	0.232
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	41.91	0.266
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	12	41.80	1.051
Method Group 710		28	41.82	0.37

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	31	3.14	0.140
Other(describe)	803	3	3.12	0.082
Method Group 800		34	3.14	0.14
Arsenic, As				
Atomic Absorption	911	1	17.5	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	19	19.4	4.63
Other(describe)	913	2	17.0	0.75
Method Group 900		22	18.6	4.26
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	2	3	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	21	3	0.6
Other(describe)	923			
Method Group 910		23	3	0.6
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	14	4	2.1
Other(describe)	933			
Method Group 920		15	4	1.6
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	2	0.1	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	6		0.02
Other(describe)	943			
Method Group 930		8	0.0	0.06
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	16	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	17	13	1.1
Other(describe)	953			
Method Group 940		18	13	1.3
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	20	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	19	17	2.6
Other(describe)	963			
Method Group 950		20	17	2.8
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	22	12	4.7
Other(describe)	973			
Method Group 960		23	12	4.5
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	2	0.4
Other(describe)	983	1	1	0.0
Method Group 970		4	2	0.5
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	41	0
ICP-induced coupled plasma-AFPC IX.16.A	992	19	40	5
Other(describe)	993			
Method Group 980		20	40	5

101 Ground Sample AFPC IX.2.A		
Lab	%	H ₂ O
49	0.99	-1.443
10	0.94	-1.092
Std Dev	0.93	-1.000
24	0.93	-0.975
13	0.90	-0.780
55	0.88	-0.624
21	0.84	-0.273
10	0.83	-0.234
26	0.82	-0.156
26	0.82	-0.156
21	0.82	-0.117
13	0.81	-0.039
266	0.80	0.000
Median	0.80	0.000
15	0.71	0.741
15	0.71	0.741
24	0.71	0.741
9	0.68	0.975
Std Dev	0.67	1.000
16	0.67	1.013
16	0.65	1.160
9	0.64	1.287
30	0.59	1.638
113	0.50	2.340
77	0.31	3.822
77	0.20	4.681

102 Other (describe)		
Lab	%	H ₂ O
86	0.94	-0.723
86	0.94	-0.723
85	0.93	-0.693
85	0.92	-0.678
84	0.70	0.000
Median	0.70	0.000
84	0.67	0.075
35	0.48	0.647
35	0.48	0.647
Std Dev	0.36	1.000
270	0.24	1.370

201 Gravimetric AFPC IX.3.B		
Lab	%	P2O5
55	27.80	-1.233
22	27.77	-1.018
Std Dev	27.77	-1.000
84	27.73	-0.733
84	27.73	-0.733
113	27.63	-0.018
Median	27.63	0.000
113	27.63	0.018
241	27.57	0.447
82	27.54	0.661
56	27.50	0.947
Std Dev	27.49	1.000
77	27.39	1.733

202 ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5
10	27.60	-0.660
16	27.60	-0.643
16	27.45	-0.067
Median	27.43	0.000
10	27.41	0.067
Std Dev	27.17	1.000
270	27.14	1.100
266	26.87	2.132

203 AOAC 962.02-15th		
Lab	%	P2O5
9	27.86	-1.787
Std Dev	27.80	-1.000
9	27.72	0.000
Median	27.72	0.000
81	27.65	0.893

204 Photometric-AFPC IX.3.C		
Lab	%	P2O5
35	28.10	-2.197
35	28.04	-1.891
21	27.90	-1.150
Std Dev	27.87	-1.000
15	27.82	-0.766
15	27.82	-0.766
21	27.81	-0.715

13	27.80	-0.664
10	27.78	-0.562
49	27.72	-0.255
51	27.72	-0.255
10	27.69	-0.102
24	27.67	0.000
51	27.67	0.000
Median	27.67	0.000
13	27.65	0.102
26	27.61	0.307
26	27.61	0.307
24	27.61	0.332
30	27.55	0.639
16	27.53	0.736
92	27.53	0.741
16	27.52	0.774
92	27.50	0.894
Std Dev	27.47	1.000
78	27.31	1.839
78	27.26	2.120

205 Automated -AOAC 978.01-15th		
Lab	%	P2O5
22	27.76	-2.090
82	27.60	-1.037
Std Dev	27.59	-1.000
56	27.54	-0.686
77	27.50	-0.431
Median	27.43	0.000
86	27.37	0.431
85	27.35	0.526
86	27.33	0.686
Std Dev	27.28	1.000
85	27.20	1.484

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	28.05	-1.085	
Std Dev	28.04	-1.000	
84	27.92	-0.059	
84	27.92	0.000	
Median	27.92	0.000	
Std Dev	27.80	1.000	
113	27.76	1.281	

77	27.44	3.990
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212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
10	27.83	-0.986	
10	27.67	-0.582	
Median	27.44	0.000	
270	27.21	0.582	
266	27.09	0.880	

213 AOAC 962.02-15th			
Lab	%	P2O5	dB
9	28.04	-1.340	
Std Dev	28.02	-1.000	
Median	27.97	0.000	
Std Dev	27.92	1.000	
9	27.91	1.340	

214 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	28.24	-1.833	
35	28.18	-1.429	
21	28.13	-1.125	
Std Dev	28.11	-1.000	
21	28.04	-0.513	
13	28.03	-0.426	
15	28.02	-0.372	
15	28.02	-0.372	
49	28.00	-0.226	
Median	27.96	0.000	
24	27.93	0.226	
13	27.90	0.409	
26	27.84	0.830	
26	27.84	0.830	
Std Dev	27.81	1.000	
24	27.80	1.080	
30	27.71	1.700	
16	27.71	1.714	
16	27.70	1.729	

215 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
86	27.62	-2.403	
85	27.60	-1.174	

Std Dev	27.60	-1.000
77	27.59	0.000
Median	27.59	0.000
86	27.58	0.166
Std Dev	27.57	1.000
85	27.45	8.373

301	Atomic Absorption-AFPC IX.6.B	
Lab	%	Fe2O3
30	1.16	-1.340
Std Dev	1.16	-1.000
Median	1.16	0.000
Std Dev	1.15	1.000
55	1.15	1.340

302	ICP-induced coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
15	1.68	-3.077
15	1.68	-3.049
35	1.47	-1.901
35	1.40	-1.518
78	1.34	-1.217
78	1.33	-1.162
266	1.33	-1.162
Std Dev	1.30	-1.000
51	1.23	-0.588
51	1.21	-0.479
22	1.19	-0.397
16	1.19	-0.383
82	1.19	-0.369
16	1.18	-0.328
81	1.17	-0.287
86	1.14	-0.123
86	1.14	-0.096
85	1.13	-0.041
Median	1.12	0.000
92	1.11	0.041
92	1.11	0.041
85	1.10	0.096
84	1.09	0.150
84	1.07	0.260
24	1.07	0.287
24	1.07	0.287
13	0.96	0.861

49	0.96	0.889
Std Dev	0.93	1.000
21	0.93	1.053
10	0.91	1.135
270	0.91	1.162
9	0.90	1.190
21	0.90	1.217
10	0.89	1.244
13	0.87	1.354
9	0.85	1.463

303	Other(describe)	
Lab	%	Fe2O3
77	1.37	-0.646
77	1.37	-0.646
Median	1.30	0.000
22	1.23	0.646
56	1.21	0.838

401	Atomic Absorption-AFPC IX.6.B	
Lab	%	Al2O3
55	1.08	-1.340
Std Dev	1.08	-1.000
Median	1.07	0.000
Std Dev	1.07	1.000
30	1.07	1.340

402	ICP-induced coupled plasma-AFPC IX.6.C	
Lab	%	Al2O3
15	2.14	-12.420
15	2.14	-12.420
266	1.45	-4.524
78	1.40	-3.890
78	1.34	-3.199
35	1.20	-1.585
22	1.18	-1.412
35	1.17	-1.239
Std Dev	1.14	-1.000
51	1.13	-0.836
81	1.12	-0.720
51	1.11	-0.605
85	1.10	-0.432
86	1.09	-0.317
270	1.09	-0.317

85	1.08	-0.259
86	1.08	-0.202
24	1.07	-0.086
Median	1.06	0.000
92	1.05	0.086
49	1.05	0.144
82	1.05	0.144
92	1.04	0.202
84	1.04	0.259
84	1.03	0.317
24	1.02	0.432
13	1.02	0.490
21	1.01	0.548
9	1.01	0.605
21	1.01	0.605
10	0.99	0.778
10	0.99	0.778
9	0.99	0.836
16	0.97	0.976
Std Dev	0.97	1.000
13	0.97	1.009
16	0.97	1.032

403	Other(describe)	
Lab	%	Al2O3
56	1.40	-0.993
22	1.39	-0.496
Median	1.38	0.000
77	1.37	0.496
Std Dev	1.36	1.000
77	1.35	1.390

501	Atomic Absorption-AFPC IX.8.A	
Lab	%	MgO
30	0.71	-1.340
Std Dev	0.70	-1.000
Median	0.66	0.000
Std Dev	0.61	1.000
55	0.60	1.340

502	ICP-induced coupled plasma-AFPC IX.8.B	
Lab	%	MgO
15	1.10	-6.618
15	1.10	-6.618

49	0.90	-2.133
35	0.87	-1.586
21	0.85	-1.149
21	0.85	-1.039
85	0.85	-1.039
Std Dev	0.84	-1.000
13	0.84	-0.820
78	0.84	-0.820
86	0.83	-0.711
35	0.83	-0.711
51	0.83	-0.602
13	0.81	-0.273
9	0.81	-0.164
51	0.81	-0.164
9	0.80	-0.055
81	0.80	-0.055
Median	0.80	0.000
86	0.80	0.055
10	0.79	0.164
10	0.79	0.164
85	0.79	0.164
266	0.79	0.164
22	0.79	0.273
78	0.78	0.383
82	0.78	0.383
24	0.77	0.602
24	0.76	0.820
270	0.76	0.820
92	0.76	0.930
92	0.76	0.930
Std Dev	0.75	1.000
84	0.74	1.258
16	0.73	1.469
84	0.73	1.477
16	0.73	1.481

503	Other(describe)	
Lab	%	MgO
77	0.85	-1.627
Std Dev	0.83	-1.000
77	0.82	-0.479
Median	0.80	0.000
22	0.79	0.479
56	0.78	0.861

601 Insoluble-AFPC IX.4.A		
Lab	%	AI
21	14.74	-2.052
55	14.50	-1.238
10	14.48	-1.170
16	14.44	-1.026
Std Dev	14.43	-1.000
16	14.42	-0.967
10	14.36	-0.763
15	14.26	-0.407
15	14.26	-0.407
22	14.25	-0.390
49	14.19	-0.187
51	14.14	0.000
Median	14.14	0.000
9	14.07	0.237
51	14.04	0.322
13	14.01	0.441
9	13.99	0.492
24	13.97	0.577
13	13.95	0.645
30	13.88	0.882
Std Dev	13.84	1.000
24	13.84	1.018
26	13.51	2.120
26	13.49	2.188

602 Other(describe)		
Lab	%	AI
266	14.90	-2.369
Std Dev	14.59	-1.000
21	14.43	-0.278
Median	14.37	0.000
35	14.31	0.278
Std Dev	14.14	1.000
35	14.07	1.323

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
16	4.37	-1.625
16	4.33	-1.518
21	4.24	-1.316
21	4.24	-1.316

Std Dev 4.11 -1.000		
Lab	%	CO2
30	4.05	-0.866
24	3.90	-0.510
24	3.75	-0.154
77	3.70	-0.036
Median	3.69	0.000
9	3.67	0.036
9	3.65	0.083
13	3.65	0.095
13	3.56	0.296
49	3.45	0.557
81	3.38	0.723
15	3.32	0.866
15	3.32	0.866

652 Other(describe)		
Lab	%	CO2
35	6.79	-3.600
35	6.78	-3.593
78	6.58	-3.303
78	6.47	-3.144
Std Dev	4.99	-1.000
51	4.82	-0.753
51	4.70	-0.579
85	4.35	-0.072
86	4.35	-0.072
85	4.30	0.000
86	4.30	0.000
Median	4.30	0.000
82	4.22	0.123
55	4.08	0.326
22	3.90	0.587
84	3.89	0.601
84	3.82	0.703
56	3.67	0.913
Std Dev	3.61	1.000
266	3.18	1.622

701 Gravimetric sulfate-AFPC IX.12.A		
Lab	%	CaO
22	42.34	-1.340
Std Dev	42.23	-1.000
Median	41.90	0.000
Std Dev	41.58	1.000

113 41.47 1.340		
Lab	%	CaO
78	43.93	-6.700
78	43.41	-5.183
51	42.30	-1.914
51	42.14	-1.443
9	42.04	-1.134
Std Dev	41.99	-1.000
92	41.84	-0.560
92	41.84	-0.560
21	41.68	-0.088
9	41.67	-0.044
49	41.65	0.000
Median	41.65	0.000
13	41.61	0.133
21	41.57	0.236
10	41.56	0.265
13	41.50	0.456
266	41.47	0.530
Std Dev	41.31	1.000
10	41.28	1.090
16	41.23	1.237
16	41.17	1.428
270	40.05	4.727

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

704 Permanganate		
Lab	%	CaO
55	41.90	-1.340
Std Dev	41.82	-1.000
Median	41.60	0.000
Std Dev	41.38	1.000
30	41.31	1.340

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
81	41.60	0.000
Median	41.60	0.000

706 Other(describe)		
Lab	%	CaO
77	42.63	-1.386
Std Dev	42.32	-1.000
77	42.29	-0.969
84	42.07	-0.699
84	42.00	-0.613
22	41.90	-0.491
24	41.55	-0.061
15	41.50	0.000
15	41.50	0.000
Median	41.50	0.000
24	41.41	0.110
56	41.28	0.276
82	41.20	0.374
Std Dev	40.68	1.000
85	40.52	1.202
86	40.51	1.214
85	40.38	1.374
86	40.37	1.386

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
113	41.67		0.000
Median	41.67		0.000

712 ICP-induced coupled plasma-AFPC IX.12.I			
Lab	%	CaO	dB
9	42.30		-1.705
Std Dev	42.14		-1.000
49	42.06		-0.674
21	42.02		-0.494
13	41.98		-0.323
9	41.95		-0.174
21	41.92		-0.053
10	41.91		0.000
Median	41.91		0.000
13	41.83		0.328
266	41.80		0.445
Std Dev	41.68		1.000
10	41.67		1.017
16	41.51		1.721
16	41.43		2.037
270	40.14		7.608

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

714 Permanganate			
Lab	%	CaO	dB
55	42.27		-1.340
Std Dev	42.18		-1.000
Median	41.91		0.000
Std Dev	41.65		1.000
30	41.56		1.340

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

716 Other(describe)			
Lab	%	CaO	dB
77	42.72		-0.875
77	42.42		-0.596
84	42.36		-0.541
84	42.28		-0.464
24	41.85		-0.047
24	41.80		-0.001
Median	41.80		0.000
15	41.79		0.001
15	41.79		0.001
85	40.90		0.856
86	40.89		0.859
85	40.76		0.988
86	40.75		0.994

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	3.43		-2.073
26	3.38		-1.715
113	3.30		-1.143
Std Dev	3.28		-1.000
9	3.26		-0.858

24	3.24		-0.679
84	3.20		-0.429
9	3.20		-0.393
86	3.20		-0.393
86	3.19		-0.357
81	3.19		-0.357
30	3.18		-0.286
16	3.18		-0.250
24	3.18		-0.250
49	3.18		-0.250
16	3.17		-0.214
21	3.14		0.000
Median	3.14		0.000
84	3.14		0.036
21	3.12		0.143
22	3.10		0.286
55	3.03		0.786
13	3.03		0.822
13	3.01		0.929
82	3.01		0.929
Std Dev	3.00		1.000
270	3.00		1.001
266	2.96		1.286
35	2.95		1.358
35	2.95		1.394
51	2.93		1.537
51	2.85		2.108
15	2.55		4.182
15	2.55		4.182

803 Other(describe)			
Lab	%	Fluorine, F	
22	3.30		-2.254
Std Dev	3.20		-1.000
77	3.12		0.000
Median	3.12		0.000
77	3.08		0.426

911 Atomic Absorption-AFPC			
Lab	ppm	Arsenic, As	
55	17.5		0.000
Median	17.5		0.000

912 ICP-induced coupled plasma-AFPC IX.15.B			
Lab	ppm	Arsenic, As	
270	27.0		-1.643
266	25.7		-1.362
24	25.1		-1.232
Std Dev	24.0		-1.000
35	23.5		-0.886
24	23.4		-0.865
35	23.0		-0.778
78	21.9		-0.530
16	21.7		-0.497
81	19.9		-0.108
16	19.4		0.000
Median	19.4		0.000
82	19.2		0.054
78	17.5		0.421
84	17.0		0.519
84	17.0		0.519
85	17.0		0.519
51	16.5		0.627
51	15.5		0.843
85	15.5		0.843
Std Dev	14.8		1.000
113	6.1		2.885

913 Other(describe)			
Lab	ppm	Arsenic, As	
77	18.0		-1.340
Std Dev	17.7		-1.000
Median	17.0		0.000
Std Dev	16.3		1.000
77	16.0		1.340

921 Atomic Absorption-AFPC IX.11.A			
Lab	ppm	Cadmium, Cd	
86	3		-1.340
Std Dev	3		-1.000
Median	3		0.000
Std Dev	3		1.000
55	3		1.340

922 ICP-induced coupled plasma-AFPC IX.11.B			
Lab	ppm	Cadmium, Cd	
82	<3.6		0.000

77	10		-11.086
77	8		-8.406
78	4		-2.001
113	4		-1.903
51	4		-1.260
Std Dev	4		-1.000
81	4		-0.813
86	4		-0.777
85	4		-0.545
85	4		-0.545
16	3		-0.107
16	3		0.000
Median	3		0.000
35	3		0.527
35	3		0.527
51	3		0.527
84	3		0.527
84	3		0.527
270	3		0.527
Std Dev	3		1.000
24	3		1.331
266	3		1.349
24	2		1.867
78	2		2.921

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

931 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
55	4		0.000
Median	4		0.000

932 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Cobalt, Co	
266	<0.1		0.000
77	9		-2.238
77	7		-1.290
Std Dev	6		-1.000
78	6		-0.815
78	6		-0.815
22	5		-0.130
270	5		-0.104

16	4	-0.038
Median	4	0.000
81	4	0.038
16	4	0.202
82	4	0.251
24	3	0.844
24	2	0.986
Std Dev	2	1.000
35	2	1.081
35	2	1.081

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

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
81	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.1	1.000
82	0.1	1.340

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
266	50.0	#####
270	0.0	-1.787
Std Dev	0.0	-1.000
16	0.0	0.000
16	0.0	0.000
35	0.0	0.000
35	0.0	0.000
Median	0.0	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
113	<0.1	0.000
Median	0.0	0.000

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

Median	40	0.000
85	38	0.475
85	37	0.569
82	35	0.890
35	35	0.946
Std Dev	35	1.000
266	34	1.173
16	33	1.333
16	33	1.418
270	32	1.607
35	0	7.463

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

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	lolybdenum, Mo
77	21	-7.342
77	18	-4.570
16	15	-1.566
78	15	-1.520
16	14	-1.151
Std Dev	14	-1.000
270	14	-0.781
81	14	-0.504
266	13	-0.134
22	13	0.000
Median	13	0.000
24	13	0.051
85	13	0.051
86	13	0.051
24	13	0.189
78	13	0.328
85	13	0.513
86	13	0.513
Std Dev	12	1.000
82	11	1.483

953 Other(describe)		
Lab	ppm	lolybdenum, Mo
Median	0	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	20	0.000
Median	20	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
85	22	-2.072
85	21	-1.680
77	20	-1.094
78	20	-1.094
Std Dev	19	-1.000
16	19	-0.839
16	19	-0.722
77	17	-0.115
78	17	-0.115
81	17	-0.115

22	17	0.000
Median	17	0.000
35	17	0.080
270	17	0.080
35	16	0.276
24	15	0.530
82	15	0.589
84	15	0.667
84	15	0.863
266	15	0.863
24	14	0.921

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

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	12	0.000
Median	12	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
77	18	-1.221
Std Dev	17	-1.000
77	16	-0.798
22	16	-0.707
81	15	-0.587
16	14	-0.386
78	14	-0.301
113	14	-0.291
51	13	-0.164
16	13	-0.122
266	13	-0.122
270	12	-0.048
Median	12	0.000
35	12	0.048
51	12	0.048
35	12	0.153
82	11	0.354
78	8	0.851
Std Dev	7	1.000
84	7	1.105
84	6	1.316

24	5	1.475
85	5	1.528
85	5	1.528
24	3	1.866

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
16	3	-2.356
Std Dev	3	-1.000
266	2	0.000
Median	2	0.000
16	2	0.324

983 Other(describe)		
Lab	ppm	Selenium, Se
77	1	0.000
Median	1	0.000

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
24	64	-4.489
24	56	-2.951
77	48	-1.507
Std Dev	45	-1.000
84	43	-0.563
77	42	-0.280
84	42	-0.280
78	41	-0.186
78	41	-0.092
81	41	-0.092
22	40	0.000

