AFPC Rock Check Program

Sample No. 2016-05

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	29	0.61	0.093
Other (describe)	102			
Method Group 100		29	0.61	0.09
P_2O_5				
Gravimetric AFPC IX.3.B	201	4	27.76	0.092
ICP-inducted coupled plasma AFPC IX.3.D	202	3	28.01	0.131
Photometric-AFPC IX.3.C	203	18	27.94	0.143
Automated -AOAC 978.01-15th	204	10	27.96	0.084
Other(describe)	205	3	28.12	0.196
Method Group 200		38	27.95	0.17
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	27.91	0.034
ICP-inducted coupled plasma AFPC IX.3.D	212	3	28.18	0.144
Photometric-AFPC IX.3.C	213	12	28.13	0.105
Automated -AOAC 978.01-15th	214	10	28.12	0.093
Other(describe)	215	2	28.24	0.021
Method Group 210		29	28.13	0.11
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	3	0.55	0.052
ICP-inducted coupled plasma-AFPC IX.6.C	302	27	0.55	0.065
Other(describe)	303	6	0.65	0.059
Method Group 300		36	0.57	0.07
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	2	0.79	0.127
ICP-inducted coupled plasma-AFPC IX.7.C	402	27	0.87	0.181
Other(describe)	403	6	1.67	0.946
Method Group 400		35	0.88	0.23
MgO				
Atomic Absorption-AFPC IX.8.A	501	6	0.44	0.020
ICP-inducted coupled plasma-AFPC IX.8.B	502	25	0.46	0.019
Other(describe)	503	6	0.47	0.055
Method Group 500		37	0.46	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	16	12.69	0.435
Other(describe)	602	3	12.56	0.274
Method Group 600		19	12.61	0.43
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	13	4.14	0.142
Other(describe)	652	10	4.07	3.422
Method Group 650		23	4.08	0.20
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	19	42.56	0.601
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	42.33	0.243
EDTA Volumetric-AFPC IX.12.C	705	3	44.70	0.996
Other(describe)	706	10	42.44	0.498
Method Group 700		35	42.56	0.62
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	14	42.87	0.470
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	42.65	0.059
EDTA Volumetric-AFPC IX.12.C	715	3	44.97	0.988
Other(describe)	716	8	42.69	2.108
Method Group 710		26	42.80	0.42

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	24	2.89	0.083
Oher(describe)	803	5	2.91	0.396
Method Group 800		29	2.89	0.10
Arsenic, As				
Atomic Absorption	911	1	14.0	0.00
ICP-inducted coupled plasma-AFPC IX.15.B	912	9	12.0	0.78
Other(describe)	913	3	9.2	4.31
Method Group 900		13	12.0	2.28
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	90	0.0
ICP-inducted coupled plasma-AFPC IX.11.B	922	15	89	9.4
Other(describe)	923	4	84	12.6
Method Group 910		20	87	8.5
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	1	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	932	14	1	0.7
Other(describe)	933	4	10	12.0
Method Group 920		19	1	0.7
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	2	0.3	0.01
ICP-inducted coupled plasma-AFPC IX.16.A	942	4	0.5	0.29
Other(describe)	943	2	1.9	0.74
Method Group 930		8	0.5	0.34
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	16	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	952	11	15	1.0
Other(describe)	953	2	9	6.2
Method Group 940		14	15	1.6
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	93	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	962	16	103	6.0
Other(describe)	963	2	65	36.2
Method Group 950		19	103	9.0
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	4	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	972	12	7	2.5
Other(describe)	973	3	4	0.9
Method Group 960		16	6	2.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981	1	5	0.0
ICP-inducted coupled plasma-AFPC IX.16.A	982	5	24	2.9
Other(describe)	983	2	35	6.0
Method Group 970		8	24	4.6
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	2	849	75
ICP-inducted coupled plasma-AFPC IX.16.A	992	15	957	121
Other(describe)	993	4	413	176
Method Group 980		21	945	168

101	Ground Sample AFPC IX.2.A	
Lab	%	H_2O
6	0.80	-2.037
6	0.74	-1.394
52	0.73	-1.286
55	0.73	-1.286
Std Dev	0.70	-1.000
266	0.70	-0.965
15	0.70	-0.911
21	0.68	-0.697
13	0.67	-0.590
13	0.65	-0.429
75	0.64	-0.268
9	0.63	-0.214
24	0.63	-0.161
75	0.63	-0.161
49	0.62	-0.107
10	0.61	0.000
35	0.61	0.000
Median	0.61	0.000
35	0.61	0.021
9	0.60	0.107
24	0.60	0.107
10	0.58	0.322
30	0.57	0.429
21	0.54	0.750
Std Dev	0.52	1.000
275	0.47	1.554
275	0.44	1.876
20	0.36	2.734
77	0.33	3.002
20	0.31	3.270
27	0.19	4.502
77	0.17	4.717

102	Other (describe)	
Lab	%	H_2O
Median	0.00	0.000

201	Gravimetric AFPC IX.3.B	
Lab	%	P2O5
65	27.98	-2.382
Std Dev	27.85	-1.000
77	27.77	-0.108
Median	27.76	0.000
55	27.75	0.108
Std Dev	27.67	1.000
56	27.55	2.328

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	%	P2O5
266	28.32	-2.374
Std Dev	28.14	-1.000
10	28.01	0.000
Median	28.01	0.000
10	27.97	0.306

203	Photometric-AFPC IX.3.C	
Lab	%	P2O5
52	28.70	-5.355
35	28.19	-1.781
Std Dev	28.08	-1.000
30	28.05	-0.800
9	28.05	-0.765
9	28.01	-0.485
27	28.00	-0.450
275	27.95	-0.131
6	27.95	-0.065
49	27.94	-0.030
Median	27.94	0.000
275	27.93	0.030
35	27.91	0.180
270	27.89	0.321
92	27.82	0.811
92	27.81	0.881
Std Dev	27.79	1.000
78	27.76	1.266
78	27.75	1.336
6	27.57	2.598
60	27.45	3.403

204	Automated -AOAC 978.01-15th	
Lab	%	P2O5
15	29.17	-14.442
24	28.14	-2.114
Std Dev	28.04	-1.000
13	28.03	-0.864
77	28.02	-0.744
75	27.97	-0.149
Median	27.96	0.000
13	27.95	0.149
24	27.93	0.328
75	27.91	0.566
Std Dev	27.87	1.000
21	27.80	1.876
21	27.71	3.008

205	Other(describe)	
Lab	%	P2O5
20	28.19	-0.357
20	28.12	0.000
Median	28.12	0.000
Std Dev	27.92	1.000
56	27.66	2.323

211	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	dB
55	27.95		-1.340
Std Dev	27.94		-1.000
Median	27.91		0.000
Std Dev	27.87		1.000
77	27.86		1.340

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	%	P2O5	dB
266	28.52		-2.342
Std Dev	28.33		-1.000
10	28.18		0.000
Median	28.18		0.000
10	28.13		0.338

213	Photometric-AFPC IX.3.C		
Lab	%	P2O5	dB
52	28.91		-7.395
35	28.36		-2.181
Std Dev	28.24		-1.000
9	28.22		-0.847
30	28.21		-0.732
9	28.17		-0.383
6	28.15		-0.186
Median	28.13		0.000
49	28.11		0.186
35	28.08		0.505
275	28.08		0.544
275	28.06		0.683
27	28.05		0.766
Std Dev	28.03		1.000
6	27.79		3.297

214	Automated -AOAC 978.01-15th		
Lab	%	P2O5	dB
15	29.37		-13.488
24	28.31		-2.107
13	28.21		-1.051
Std Dev	28.21		-1.000
75	28.15		-0.358
13	28.13		-0.179
Median	28.12		0.000
24	28.10		0.179
75	28.09		0.319
77	28.07		0.510
Std Dev	28.02		1.000
21	27.99		1.355
21	27.86		2.785

215	Other(describe)		
Lab	%	P2O5	dB
20	28.27		-1.340
Std Dev	28.26		-1.000
Median	28.24		0.000
Std Dev	28.22		1.000
20	28.22		1.340

301	Atomic Absorption-AFPC IX.6.B	
Lab	%	Fe2O3
30	0.62	-1.340
Std Dev	0.60	-1.000
60	0.55	0.000
Median	0.55	0.000
Std Dev	0.50	1.000
55	0.48	1.340

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
78	0.69	-2.146
78	0.67	-1.763

35	0.65	-1.533
35	0.63	-1.226
266	0.62	-1.073
75	0.62	-1.011
Std Dev	0.62	-1.000
75	0.61	-0.994
15	0.60	-0.766
275	0.59	-0.636
275	0.58	-0.491
270	0.57	-0.307
52	0.56	-0.153
92	0.56	-0.153
21	0.55	0.000
92	0.55	0.000
Median	0.55	0.000
21	0.54	0.230
6	0.52	0.460
6	0.52	0.460
10	0.52	0.460
24	0.52	0.460
49	0.52	0.460
13	0.52	0.537
9	0.51	0.613
10	0.51	0.613
9	0.51	0.690
13	0.51	0.690
24	0.51	0.690

303 Other(describe)

Lab	%	Fe2O3	
20	0.74	-1.531	
Std Dev	0.71	-1.000	
20	0.71	-0.936	
77	0.65	0.000	
77	0.65	0.000	
Median	0.65	0.000	
56	0.60	0.851	
65	0.60	0.936	

401 Atomic Absorption-AFPC IX.6.B

Lab	%	Al2O3	
30	0.96	-1.340	
Std Dev	0.92	-1.000	
Median	0.79	0.000	
Std Dev	0.66	1.000	
55	0.62	1.340	

402 ICP-inducted coupled plasma-AFPC IX.6.C

Lab	%	Al2O3	
78	1.83	-5.277	
266	1.74	-4.807	
78	1.73	-4.752	
52	1.60	-4.034	
35	1.13	-1.437	
35	1.12	-1.381	
275	1.12	-1.379	
Std Dev	1.05	-1.000	
275	1.05	-0.970	
21	1.00	-0.718	
21	0.95	-0.442	
15	0.94	-0.359	
270	0.93	-0.332	
92	0.88	-0.055	
24	0.87	0.000	
Median	0.87	0.000	
75	0.87	0.005	
6	0.87	0.028	
6	0.87	0.028	
75	0.86	0.046	
9	0.86	0.083	
9	0.85	0.138	
24	0.84	0.193	
92	0.80	0.387	
49	0.77	0.553	
10	0.75	0.663	
10	0.72	0.829	
Std Dev	0.69	1.000	
13	0.64	1.271	
13	0.62	1.409	

403 Other(describe)

Lab	%	Al2O3	
65	1.79	-0.130	
77	1.68	-0.016	
77	1.68	-0.016	
Median	1.67	0.000	
56	1.65	0.016	
Std Dev	0.72	1.000	
20	0.00	1.760	
20	0.00	1.760	

501 Atomic Absorption-AFPC IX.8.A

Lab	%	MgO	
35	0.46	-1.021	
Std Dev	0.46	-1.000	
27	0.45	-0.510	
30	0.44	0.000	
35	0.44	0.000	
Median	0.44	0.000	
Std Dev	0.42	1.000	
60	0.42	1.276	
55	0.30	7.147	

502 ICP-inducted coupled plasma-AFPC IX.8.B

Lab	%	MgO	
52	0.55	-4.824	
92	0.55	-4.824	
78	0.51	-2.680	
92	0.51	-2.680	
78	0.50	-2.144	
21	0.49	-1.340	
Std Dev	0.48	-1.000	
270	0.47	-0.536	
21	0.47	-0.268	
24	0.47	-0.268	
6	0.46	0.000	
9	0.46	0.000	
15	0.46	0.000	
49	0.46	0.000	
266	0.46	0.000	
Median	0.46	0.000	
6	0.46	0.268	
9	0.46	0.268	
10	0.45	0.536	
10	0.45	0.536	
13	0.45	0.804	
Std Dev	0.44	1.000	
13	0.44	1.072	
24	0.44	1.072	
275	0.43	1.662	
75	0.42	2.328	
75	0.42	2.368	
275	0.41	2.573	

503 Other(describe)

Lab	%	MgO	
20	0.50	-0.500	
20	0.50	-0.500	
65	0.49	-0.227	
Median	0.47	0.000	
56	0.46	0.227	
Std Dev	0.42	1.000	
77	0.41	1.136	
77	0.40	1.317	

601 Insoluble-AFPC IX.4.A

Lab	%	AI	
15	16.56	-8.908	
55	13.20	-1.179	
Std Dev	13.12	-1.000	
30	13.08	-0.903	
21	12.93	-0.558	
49	12.85	-0.374	
24	12.85	-0.362	
9	12.79	-0.224	
9	12.77	-0.190	
Median	12.69	0.000	
24	12.61	0.190	
10	12.53	0.362	
10	12.51	0.408	
13	12.30	0.891	
Std Dev	12.25	1.000	
35	12.25	1.006	
13	12.20	1.121	
21	12.13	1.282	
35	12.08	1.398	

602 Other(describe)

Lab	%	AI	
266	12.70	-0.529	
6	12.56	0.000	
Median	12.56	0.000	
Std Dev	12.28	1.000	
6	11.97	2.151	

651	Gasometric-AFPC IX.13.B	
Lab	%	CO2
52	4.30	-1.164
Std Dev	4.28	-1.000
15	4.26	-0.846
24	4.24	-0.741
30	4.17	-0.247
6	4.16	-0.176
6	4.16	-0.141
24	4.14	0.000
Median	4.14	0.000
13	4.02	0.811
13	4.01	0.882
Std Dev	3.99	1.000
9	3.98	1.093
9	3.98	1.093
49	3.81	2.292
21	3.36	5.466

652	Other(describe)	
Lab	%	CO2
78	16.18	-3.541
78	16.14	-3.529
35	8.39	-1.264
35	8.33	-1.246
Std Dev	7.49	-1.000
65	4.08	-0.004
Median	4.07	0.000
55	4.05	0.004
56	4.03	0.010
20	3.71	0.104
20	3.62	0.132
266	3.15	0.267

701	Gravimetric sulfate-AFPC IX.12.A	
Lab	%	CaO
Median	0.00	0.000

702	ICP-inducted coupled plasma-AFPC IX.12.D	
Lab	%	CaO
92	44.11	-2.579
92	44.10	-2.562
Std Dev	43.16	-1.000
13	42.88	-0.532
13	42.86	-0.499
10	42.69	-0.216
10	42.68	-0.200
9	42.64	-0.133
9	42.62	-0.100
49	42.60	-0.067
6	42.56	0.000
Median	42.56	0.000
52	42.10	0.765
21	42.02	0.907
21	42.01	0.915
Std Dev	41.96	1.000
6	41.96	1.006
75	41.80	1.258
270	41.57	1.647
75	41.52	1.735
78	41.19	2.279
78	39.93	4.375

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

704	Permanganate	
Lab	%	CaO
27	42.65	-1.319
Std Dev	42.57	-1.000
30	42.33	0.000
Median	42.33	0.000
Std Dev	42.09	1.000
60	42.00	1.361

705	EDTA Volumetric-AFPC IX.12.C	
Lab	%	CaO
35	44.84	-0.141
35	44.70	0.000
Median	44.70	0.000
Std Dev	43.70	1.000
266	42.17	2.539

706	Other(describe)	
Lab	%	CaO
20	52.14	-19.463
20	51.92	-19.021
Std Dev	42.94	-1.000
65	42.86	-0.843
77	42.80	-0.723
15	42.58	-0.281
Median	42.44	0.000
77	42.30	0.281
24	42.25	0.391
24	42.16	0.572
56	42.00	0.883
Std Dev	41.94	1.000
55	41.82	1.245

711	Gravimetric sulfate-AFPC IX.12.A		
Lab	%	CaO	dB
Median	0.00		0.000

712	ICP-inducted coupled plasma-AFPC IX.12.D		
Lab	%	CaO	dB
13	43.16		-0.614
13	43.15		-0.585
10	42.95		-0.171
10	42.93		-0.122
9	42.91		-0.083
6	42.88		-0.012
9	42.88		-0.012
Median	42.87		0.000
49	42.87		0.012
52	42.41		0.982
Std Dev	42.40		1.000
21	42.30		1.224
6	42.29		1.229
21	42.24		1.336
75	42.07		1.701
75	41.78		2.324

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

714	Permanganate		
Lab	%	CaO	dB
27	42.73		-1.340
Std Dev	42.71		-1.000
Median	42.65		0.000
Std Dev	42.59		1.000
30	42.57		1.340

715	EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO	dB
35	45.11		-0.142
35	44.97		0.000
Median	44.97		0.000
Std Dev	43.99		1.000
266	42.47		2.538

716	Other(describe)		
Lab	%	CaO	dB
20	52.32		-4.567
20	52.07		-4.450
Std Dev	44.80		-1.000
77	42.94		-0.117
15	42.88		-0.087
Median	42.69		0.000
24	42.51		0.087
24	42.41		0.135
77	42.37		0.153
55	42.13		0.269

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
15	3.01	-1.506
275	3.00	-1.325
75	2.97	-1.024
Std Dev	2.97	-1.000
30	2.95	-0.783
270	2.95	-0.783
275	2.95	-0.783
75	2.93	-0.482
49	2.91	-0.301
55	2.91	-0.301
52	2.90	-0.181
9	2.89	-0.060
6	2.89	0.000
21	2.89	0.000

Median	2.89	0.000
9	2.88	0.120
24	2.87	0.181
6	2.85	0.482
24	2.85	0.482
13	2.82	0.783
21	2.82	0.783
35	2.81	0.903
266	2.81	0.903
Std Dev	2.80	1.000
35	2.79	1.144
13	2.78	1.265
27	2.47	4.999

803 Oher(describe)

Lab	% Fluorine, F	
20	3.34	-1.087
Std Dev	3.31	-1.000
20	3.30	-0.986
65	2.91	0.000
Median	2.91	0.000
77	2.77	0.354
77	2.74	0.430

911 Atomic Absorption-AFPC

Lab	ppm Arsenic, As	
55	14.0	0.000
Median	14.0	0.000

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

Lab	ppm Arsenic, As	
35	15.0	-3.892
35	14.0	-2.616
Std Dev	12.7	-1.000
24	12.2	-0.255
24	12.0	0.000
78	12.0	0.000
Median	12.0	0.000
Std Dev	11.2	1.000
78	11.1	1.085
270	11.1	1.085
52	8.2	4.786
266	8.2	4.786

913 Other(describe)

Lab	ppm Arsenic, As	
13	12.3	-0.707
77	9.2	0.000
Median	9.2	0.000
Std Dev	4.9	1.000
15	0.7	1.973

921 Atomic Absorption-AFPC IX.11.A

Lab	ppm Cadmium, Cd	
55	90	0.000
Median	90	0.000

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

Lab	ppm Cadmium, Cd	
78	112	-2.434
78	107	-1.971
52	100	-1.196
Std Dev	98	-1.000
77	94	-0.558
77	93	-0.452
270	90	-0.165
75	90	-0.154
75	89	0.000
Median	89	0.000
275	86	0.318
275	85	0.404
24	84	0.532
Std Dev	79	1.000
24	78	1.138
35	74	1.569
35	72	1.781
266	71	1.909

923 Other(describe)

Lab	ppm Cadmium, Cd	
13	94	-0.807
20	84	-0.040
Median	84	0.000
20	83	0.040
Std Dev	71	1.000
15	29	4.314

931 Atomic Absorption-AFPC IX.16.B

Lab	ppm Cobalt, Co	
55	1	0.000
Median	1	0.000

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

Lab	ppm Cobalt, Co	
35	2	-0.968
77	2	-0.968
78	2	-0.968
78	2	-0.968
270	2	-0.610
266	2	-0.251
24	1	-0.036
Median	1	0.000
24	1	0.036
275	1	0.268
275	1	0.447
35	1	0.466
77	1	0.466
75	1	0.681
75	1	0.681

933 Other(describe)

Lab	ppm Cobalt, Co	
20	18	-0.652
20	18	-0.652
Median	10	0.000
13	2	0.652
15	1	0.798

941 Atomic Absorption-AFPC IX.16.B

Lab	ppm Mercury, Hg	
275	0.3	-1.340
Std Dev	0.3	-1.000
Median	0.3	0.000
Std Dev	0.3	1.000
275	0.3	1.340

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

Lab	ppm Mercury, Hg	
35	0.7	-0.697
35	0.6	-0.629
Median	0.5	0.000
266	0.3	0.629
270	0.2	0.892

943 Other(describe)

Lab	ppm Mercury, Hg	
13	2.9	-1.340
Std Dev	2.7	-1.000
Median	1.9	0.000
Std Dev	1.2	1.000
15	0.9	1.340

951 Atomic Absorption-AFPC IX.16.B

Lab	ppm lolybdenum, Mo	
55	16	0.000
Median	16	0.000

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

Lab	ppm lolybdenum, Mo	
78	19	-4.515
78	18	-2.994
Std Dev	16	-1.000
270	15	-0.491
77	15	-0.393
266	15	-0.196
24	15	0.000
Median	15	0.000
24	14	0.147
275	14	0.752
Std Dev	14	1.000
275	14	1.044
77	13	1.570
20	4	10.895

953 Other(describe)

Lab	ppm lolybdenum, Mo	
13	17	-1.340
Std Dev	15	-1.000
Median	9	0.000
Std Dev	3	1.000
15	0	1.340

961 Atomic Absorption-AFPC IX.16.B

Lab	ppm Nickel, Ni	
55	93	0.000

Median	93	0.000

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

Lab	ppm	Nickel, Ni
52	173	-11.631
78	142	-6.395
78	137	-5.564
Std Dev	109	-1.000
266	106	-0.495
270	106	-0.495
75	105	-0.329
275	105	-0.288
75	104	-0.080
Median	103	0.000
275	103	0.080
24	102	0.253
77	101	0.336
77	99	0.668
Std Dev	97	1.000
24	95	1.375
35	70	5.488
35	66	6.153
20	4	16.541

963 Other(describe)

Lab	ppm	Nickel, Ni
13	114	-1.340
Std Dev	101	-1.000
Median	65	0.000
Std Dev	29	1.000
15	17	1.340

971 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Lead, Pb
55	4	0.000
Median	4	0.000

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

Lab	ppm	Lead, Pb
275	10	-1.431
275	10	-1.425
266	10	-1.279
Std Dev	9	-1.000
35	8	-0.589
35	7	-0.183
270	7	-0.183
Median	7	0.000
78	6	0.183
77	6	0.223
24	5	0.528
24	5	0.731
78	4	0.873
Std Dev	4	1.000
77	3	1.442

973 Other(describe)

Lab	ppm	Lead, Pb
13	5	-1.045
Std Dev	5	-1.000
15	4	0.000
Median	4	0.000
Std Dev	3	1.000
20	3	1.635

981 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Selenium, Se
55	5	0.000
Median	5	0.000

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

Lab	ppm	Selenium, Se
275	28	-1.548
Std Dev	27	-1.000
275	25	-0.333
270	24	0.000
Median	24	0.000
Std Dev	21	1.000
77	21	1.007
266	20	1.215

983 Other(describe)

Lab	ppm	Selenium, Se
15	43	-1.340
Std Dev	41	-1.000
Median	35	0.000
Std Dev	29	1.000
13	27	1.340

991 Atomic Absorption-AFPC IX.16.B

Lab	ppm	Zinc, Zn
60	950	-1.340
Std Dev	924	-1.000
Median	849	0.000
Std Dev	774	1.000
55	748	1.340

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

Lab	ppm	Zinc, Zn
78	1197	-1.979
78	1151	-1.599
52	1101	-1.187
Std Dev	1078	-1.000
24	1056	-0.812
24	1007	-0.408
77	973	-0.132
75	965	-0.063
75	957	0.000
Median	957	0.000
77	957	0.000
266	918	0.322
270	883	0.611
35	854	0.850
35	853	0.858
Std Dev	836	1.000
275	734	1.837
275	733	1.849

993 Other(describe)

Lab	ppm	Zinc, Zn
13	945	-3.022
Std Dev	589	-1.000
20	414	0.000
Median	413	0.000
20	413	0.000
Std Dev	238	1.000
15	3	2.336