AFPC Rock Check Program

Sample No. 2018-01

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	28	0.84	0.094
Other (describe)	102	4	0.89	0.185
Method Group 100		32	0.84	0.10
P_2O_5				
Gravimetric AFPC IX.3.B	201	5	31.26	0.045
ICP-inducted coupled plasma AFPC IX.3.D	202	3	31.41	0.216
Photometric-AFPC IX.3.C	203	18	31.38	0.088
Automated -AOAC 978.01-15th	204	11	31.31	0.162
Other(describe)	205	4	31.27	0.248
Method Group 200		41	31.33	0.16
P_2O_5 (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	3	31.39	0.213
ICP-inducted coupled plasma AFPC IX.3.D	212	3	31.68	0.218
Photometric-AFPC IX.3.C	213	12	31.66	0.047
Automated -AOAC 978.01-15th	214	11	31.56	0.134
Other(describe)	215	3	31.53	0.389
Method Group 210		32	31.62	0.13
Fe_2O_3				
Atomic Absorption-AFPC IX.6.B	301	1	1.12	0.000
ICP-inducted coupled plasma-AFPC IX.6.C	302	28	1.12	0.083
Other(describe)	303	7	1.20	0.142
Method Group 300		36	1.12	0.08
Al_2O_3				
Atomic Absorption-AFPC IX.7.B	401	1	0.98	0.000
ICP-inducted coupled plasma-AFPC IX.7.C	402	29	1.09	0.082
Other(describe)	403	6	1.31	0.132
Method Group 400		36	1.10	0.10
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.41	0.000
ICP-inducted coupled plasma-AFPC IX.8.B	502	29	0.43	0.022
Other(describe)	503	6	0.43	0.028
Method Group 500		36	0.43	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	22	5.84	0.152
Other(describe)	602	3	5.40	0.243
Method Group 600		25	5.83	0.20
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	3.94	0.132
Other(describe)	652	11	4.12	1.054
Method Group 650		25	3.95	0.27
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-inducted coupled plasma-AFPC IX.12.D	702	22	46.23	0.510
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	46.58	0.131
EDTA Volumetric-AFPC IX.12.C	705	1	47.59	0.000
Other(describe)	706	10	46.51	1.315
Method Group 700		36	46.40	0.66
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-inducted coupled plasma-AFPC IX.12.D	712	16	46.88	0.423
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	46.99	0.179
EDTA Volumetric-AFPC IX.12.C	715	1	48.02	0.000
Other(describe)	716	8	46.85	1.794
Method Group 710		27	46.90	0.52

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	26	3.64	0.107
Oher(describe)	803	5	3.86	0.082
Method Group 800		31	3.66	0.11
Arsenic, As				
Atomic Absorption	911			
ICP-inducted coupled plasma-AFPC IX.15.B	912	11	12.0	1.63
Other(describe)	913	5	11.0	2.54
Method Group 900		16	11.7	2.01
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921			
ICP-inducted coupled plasma-AFPC IX.11.B	922	16	4	0.7
Other(describe)	923	5	4	2.2
Method Group 910		21	4	0.7
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931			
ICP-inducted coupled plasma-AFPC IX.16.A	932	11	5	1.6
Other(describe)	933	5	2	1.6
Method Group 920		16	5	2.8
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-inducted coupled plasma-AFPC IX.16.A	942	5	0.1	50.75
Other(describe)	943	2	0.1	0.05
Method Group 930		7	0.1	25.43
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951			
ICP-inducted coupled plasma-AFPC IX.16.A	952	11	14	3.7
Other(describe)	953	3	15	0.6
Method Group 940		14	14	2.8
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961			
ICP-inducted coupled plasma-AFPC IX.16.A	962	14	19	1.3
Other(describe)	963	5	21	2.7
Method Group 950		19	20	2.2
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971			
ICP-inducted coupled plasma-AFPC IX.16.A	972	13	10	3.3
Other(describe)	973	5	9	1.3
Method Group 960		18	10	1.6
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-inducted coupled plasma-AFPC IX.16.A	982	1	2	0.0
Other(describe)	983	2	3	2.1
Method Group 970		3	2	2.1
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991			
ICP-inducted coupled plasma-AFPC IX.16.A	992	14	52	8
Other(describe)	993	5	53	4
Method Group 980		19	53	7

101	Ground Sample AFPC IX.2.A	
Lab	%	H_2O
49	1.11	-2.813
49	1.06	-2.282
20	1.00	-1.698
Std Dev	0.93	-1.000
10	0.90	-0.637
266	0.90	-0.637
13	0.90	-0.584
13	0.89	-0.531
15	0.89	-0.478
15	0.88	-0.467
24	0.87	-0.318
30	0.87	-0.318
21	0.86	-0.212
10	0.85	-0.106
21	0.85	-0.106
Median	0.84	0.000
75	0.83	0.106
241	0.82	0.212
26	0.82	0.265
52	0.80	0.425
75	0.79	0.531
9	0.79	0.584
9	0.78	0.637
Std Dev	0.75	1.000
35	0.70	1.486
275	0.70	1.486
275	0.68	1.698
24	0.65	2.070
35	0.64	2.123
77	0.34	5.307
77	0.28	5.944

102	Other (describe)	
Lab	%	H_2O
20	1.00	-0.596
69	0.98	-0.487
Median	0.89	0.000
241	0.80	0.487
Std Dev	0.71	1.000
55	0.55	1.841

201	Gravimetric AFPC IX.3.B	
Lab	%	P2O5
56	31.65	-8.710
Std Dev	31.30	-1.000
77	31.28	-0.447
65	31.26	0.000
Median	31.26	0.000
55	31.22	0.893
Std Dev	31.22	1.000
241	30.57	15.410

202	ICP-inducted coupled plasma AFPC IX.3.D	
Lab	%	P2O5
10	31.48	-0.323
10	31.41	0.000
Median	31.41	0.000
Std Dev	31.19	1.000
266	30.90	2.357

203	Photometric-AFPC IX.3.C	
Lab	%	P2O5
51	31.54	-1.825
35	31.51	-1.483
26	31.51	-1.426
92	31.48	-1.140
Std Dev	31.47	-1.000
9	31.45	-0.741
51	31.44	-0.684
35	31.41	-0.342
52	31.40	-0.228
92	31.39	-0.114
Median	31.38	0.000
30	31.37	0.114
275	31.36	0.228
69	31.35	0.342
49	31.33	0.570
49	31.33	0.627
9	31.31	0.855
275	31.30	0.912
Std Dev	31.29	1.000
78	31.19	2.224
78	31.17	2.395

204	Automated -AOAC 978.01-15th	
Lab	%	P2O5
15	31.51	-1.232
15	31.51	-1.232
Std Dev	31.47	-1.000
24	31.46	-0.893
75	31.42	-0.647
13	31.32	-0.062
75	31.31	0.000
Median	31.31	0.000
24	31.25	0.370
21	31.24	0.462
21	31.20	0.678
77	31.19	0.739
13	31.19	0.739

205	Other(describe)	
Lab	%	P2O5
20	31.54	-1.088
Std Dev	31.52	-1.000
56	31.33	-0.242
Median	31.27	0.000
20	31.21	0.242
Std Dev	31.02	1.000
241	30.57	2.821

211	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	dB
55	31.39		-0.028
77	31.39		0.000
Median	31.39		0.000
Std Dev	31.17		1.000
241	30.82		2.652

212	ICP-inducted coupled plasma AFPC IX.3.D		
Lab	%	P2O5	dB
10	31.77		-0.397
10	31.68		0.000
Median	31.68		0.000
Std Dev	31.46		1.000
266	31.18		2.283

213	Photometric-AFPC IX.3.C		
Lab	%	P2O5	dB
26	31.76		-2.298
35	31.71		-1.206
Std Dev	31.70		-1.000
9	31.69		-0.795
49	31.68		-0.392
49	31.66		-0.157
69	31.66		-0.076
Median	31.66		0.000
52	31.65		0.076
30	31.65		0.245
35	31.63		0.543
Std Dev	31.61		1.000
275	31.57		1.760
9	31.55		2.266
275	31.52		2.920

214	Automated -AOAC 978.01-15th		
Lab	%	P2O5	dB
15	31.79		-1.730
15	31.79		-1.727
Std Dev	31.69		-1.000
75	31.68		-0.884
24	31.66		-0.745
13	31.60		-0.313
75	31.56		0.000
Median	31.56		0.000
24	31.52		0.261
21	31.51		0.398
13	31.47		0.653
21	31.47		0.685
Std Dev	31.43		1.000
77	31.28		2.100

215	Other(describe)		
Lab	%	P2O5	dB
20	31.86		-0.857
20	31.53		0.000
Median	31.53		0.000
Std Dev	31.14		1.000
241	30.82		1.823

301	Atomic Absorption-AFPC IX.6.B	
Lab	%	Fe2O3
55	1.12	0.000

Median	1.12	0.000

302	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Fe2O3
275	1.31	-2.349
35	1.30	-2.228
35	1.27	-1.867
266	1.27	-1.867
15	1.21	-1.144
78	1.21	-1.084
15	1.20	-1.024
78	1.20	-1.024
Std Dev	1.20	-1.000
51	1.17	-0.662
51	1.14	-0.301
275	1.14	-0.301
52	1.13	-0.181
92	1.13	-0.181
92	1.12	-0.060
Median	1.12	0.000
10	1.11	0.060
9	1.11	0.120
10	1.10	0.181
21	1.10	0.181
49	1.10	0.181
21	1.10	0.241
49	1.09	0.301
13	1.09	0.361
9	1.08	0.422
24	1.07	0.602
24	1.06	0.723
13	1.05	0.783
Std Dev	1.03	1.000
75	1.00	1.392
75	1.00	1.431

303	Other(describe)	
Lab	%	Fe2O3
77	1.38	-1.269
77	1.35	-1.058
Std Dev	1.34	-1.000
65	1.24	-0.282
56	1.20	0.000
Median	1.20	0.000
20	1.11	0.635
20	1.10	0.705
Std Dev	1.06	1.000
69	1.03	1.199

401	Atomic Absorption-AFPC IX.6.B	
Lab	%	Al2O3
55	0.98	0.000
Median	0.98	0.000

402	ICP-inducted coupled plasma-AFPC IX.6.C	
Lab	%	Al2O3
266	1.49	-4.873
78	1.29	-2.436
35	1.25	-1.949
78	1.25	-1.949
35	1.22	-1.584
92	1.20	-1.340
52	1.19	-1.218
92	1.18	-1.096
Std Dev	1.17	-1.000
69	1.17	-0.975
275	1.13	-0.487
24	1.13	-0.426
51	1.11	-0.244
75	1.10	-0.075
49	1.09	0.000
51	1.09	0.000
Median	1.09	0.000
49	1.09	0.061
10	1.08	0.122
15	1.08	0.122
15	1.08	0.183
21	1.08	0.183
24	1.08	0.183
10	1.07	0.244
21	1.07	0.244
275	1.07	0.244
9	1.07	0.305
9	1.05	0.487
75	1.04	0.608
13	1.02	0.853
13	1.02	0.914

403	Other(describe)	
Lab	%	Al2O3
65	1.45	-1.095
Std Dev	1.44	-1.000
77	1.37	-0.491
77	1.36	-0.415
Median	1.31	0.000
56	1.25	0.415
Std Dev	1.17	1.000
20	1.17	1.019
20	1.16	1.095

501	Atomic Absorption-AFPC IX.8.A	
Lab	%	MgO
55	0.41	0.000
Median	0.41	0.000

502	ICP-inducted coupled plasma-AFPC IX.8.B	
Lab	%	MgO
35	0.52	-4.020
35	0.50	-3.127
9	0.46	-1.117
21	0.46	-1.117
Std Dev	0.45	-1.000
21	0.45	-0.893
266	0.45	-0.893
15	0.45	-0.670
10	0.44	-0.447
15	0.44	-0.447
49	0.44	-0.447
275	0.44	-0.447
13	0.44	-0.223
13	0.44	-0.223
10	0.43	0.000
24	0.43	0.000
49	0.43	0.000
92	0.43	0.000
Median	0.43	0.000
75	0.42	0.352
9	0.42	0.447
51	0.42	0.447
275	0.42	0.447
24	0.41	0.893
51	0.41	0.893
78	0.41	0.893
78	0.41	0.893
92	0.41	0.893
Std Dev	0.41	1.000
75	0.40	1.296
69	0.40	1.340
52	0.36	3.127

503	Other(describe)	
Lab	%	MgO
77	0.48	-1.787
Std Dev	0.46	-1.000
77	0.45	-0.715
56	0.43	0.000
65	0.43	0.000
Median	0.43	0.000
Std Dev	0.40	1.000
20	0.40	1.072
20	0.39	1.429

601	Insoluble-AFPC IX.4.A	
Lab	%	Al
9	6.71	-5.722
55	6.20	-2.368
49	6.03	-1.250
35	6.01	-1.118
Std Dev	5.99	-1.000
21	5.96	-0.789
35	5.96	-0.789
10	5.93	-0.592
9	5.91	-0.460
15	5.89	-0.296
15	5.87	-0.197
69	5.85	-0.066
Median	5.84	0.000
51	5.83	0.066
10	5.82	0.132
30	5.81	0.197
51	5.81	0.197
24	5.79	0.329
49	5.74	0.691
13	5.70	0.954
Std Dev	5.69	1.000
26	5.66	1.217

24	5.65	1.250
21	5.61	1.546
13	5.47	2.433

602 Other(describe)

Lab	%	Al	
266	5.99		-2.433
Std Dev	5.64		-1.000
275	5.40		0.000
Median	5.40		0.000
275	5.34		0.247

651 Gasometric-AFPC IX.13.B

Lab	%	CO2	
13	4.16		-1.699
24	4.08		-1.095
Std Dev	4.07		-1.000
15	4.07		-0.981
77	4.06		-0.944
15	4.05		-0.868
24	3.97		-0.264
49	3.95		-0.075
Median	3.94		0.000
13	3.93		0.075
49	3.92		0.113
9	3.88		0.415
9	3.88		0.415
Std Dev	3.80		1.000
21	3.76		1.321
21	3.76		1.321
30	3.70		1.774

652 Other(describe)

Lab	%	CO2	
35	7.44		-3.150
35	7.40		-3.112
78	5.42		-1.233
Std Dev	5.17		-1.000
51	4.62		-0.474
51	4.60		-0.455
65	4.12		0.000
Median	4.12		0.000
56	3.81		0.294
55	3.74		0.360
20	3.48		0.612
20	3.47		0.621
Std Dev	3.07		1.000
266	3.02		1.044

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	
52	50.80		-8.951
75	47.59		-2.653
75	47.26		-2.022
Std Dev	46.74		-1.000
21	46.61		-0.730
10	46.57		-0.661
69	46.56		-0.642
21	46.50		-0.514
49	46.48		-0.475
10	46.43		-0.387
49	46.37		-0.260
92	46.26		-0.054
Median	46.23		0.000
13	46.21		0.054
9	46.09		0.289
13	46.01		0.446
9	45.98		0.495
78	45.92		0.612
51	45.84		0.769
51	45.78		0.887
92	45.77		0.906
Std Dev	45.72		1.000
78	45.06		2.308
35	44.05		4.277
35	43.66		5.042

703 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	
Median	0.00		0.000

704 Permanganate

Lab	%	CaO	
241	46.85		-2.067
Std Dev	46.71		-1.000
30	46.58		0.000
Median	46.58		0.000
55	46.50		0.613

705 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	
266	47.59		0.000
Median	47.59		0.000

706 Other(describe)

Lab	%	CaO	
15	48.47		-1.490
15	48.42		-1.452
Std Dev	47.83		-1.000
77	47.20		-0.525
77	46.90		-0.297
56	46.76		-0.190
Median	46.51		0.000
24	46.26		0.190
24	45.97		0.411
Std Dev	45.19		1.000
65	45.16		1.026
20	42.09		3.360
20	42.00		3.429

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
52	51.21		-10.248
75	47.96		-2.570
75	47.66		-1.847
Std Dev	47.30		-1.000
69	47.02		-0.336
21	47.00		-0.297
49	46.99		-0.273
10	46.99		-0.270
21	46.90		-0.046
Median	46.88		0.000
49	46.86		0.046
10	46.83		0.120
13	46.62		0.613
Std Dev	46.46		1.000
9	46.45		1.016
13	46.42		1.085
9	46.34		1.272
35	44.33		6.023
35	43.97		6.889

713 Ceric Sulfate volumetric-AFPC IX.12.B

Lab	%	CaO	dB
Median	0.00		0.000

714 Permanganate

Lab	%	CaO	dB
241	47.24		-1.387
Std Dev	47.17		-1.000
30	46.99		0.000
Median	46.99		0.000
Std Dev	46.81		1.000
55	46.76		1.293

715 EDTA Volumetric-AFPC IX.12.C

Lab	%	CaO	dB
266	48.02		0.000
Median	48.02		0.000

716 Other(describe)

Lab	%	CaO	dB
15	48.90		-1.145
15	48.85		-1.117
Std Dev	48.64		-1.000
77	47.36		-0.286
77	47.03		-0.102
Median	46.85		0.000
24	46.67		0.102
24	46.27		0.324
Std Dev	45.06		1.000
20	42.52		2.416
20	42.42		2.467

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
24	3.93	-2.680
26	3.80	-1.468
35	3.78	-1.328
69	3.77	-1.235
35	3.75	-1.049
Std Dev	3.74	-1.000
21	3.74	-0.909
21	3.74	-0.909
13	3.73	-0.862
49	3.72	-0.769
275	3.68	-0.396
51	3.66	-0.210
24	3.65	-0.117
49	3.65	-0.117
Median	3.64	0.000
15	3.63	0.117
51	3.61	0.256
266	3.61	0.256
275	3.61	0.256
9	3.61	0.303
9	3.61	0.303
15	3.59	0.489
30	3.58	0.536
13	3.54	0.909
Std Dev	3.53	1.000
75	3.53	1.002
52	3.50	1.282
55	3.48	1.468
75	3.42	2.027

803	Oher(describe)	
Lab	%	Fluorine, F
65	4.05	-2.375
Std Dev	3.94	-1.000
20	3.86	-0.061
20	3.86	0.000
Median	3.86	0.000
Std Dev	3.77	1.000
77	3.75	1.279
77	3.74	1.401

911	Atomic Absorption-AFPC	
Lab	ppm	Arsenic, As
Median	0.0	0.000

912	ICP-inducted coupled plasma-AFPC IX.15.B	
Lab	ppm	Arsenic, As
24	14.9	-1.778
Std Dev	13.6	-1.000
24	13.4	-0.889
35	13.0	-0.644
35	13.0	-0.644
51	12.0	-0.031
78	12.0	0.000
Median	12.0	0.000
78	11.5	0.307
69	11.2	0.442
52	10.4	0.951
Std Dev	10.3	1.000
51	10.0	1.196
266	8.8	1.932

913	Other(describe)	
Lab	ppm	Arsenic, As
77	13.0	-0.786
13	12.7	-0.668
55	11.0	0.000
Median	11.0	0.000
20	9.3	0.672
20	8.9	0.813

921	Atomic Absorption-AFPC IX.11.A	
Lab	ppm	Cadmium, Cd
Median	0	0.000

922	ICP-inducted coupled plasma-AFPC IX.11.B	
Lab	ppm	Cadmium, Cd
78	5	-1.384
51	5	-1.350
78	5	-1.316
275	5	-1.040
Std Dev	5	-1.000
75	5	-0.743
275	4	-0.605
75	4	-0.473
35	4	0.000
51	4	0.000
Median	4	0.000
266	4	0.243
77	4	0.270
77	4	0.270
Std Dev	3	1.000
24	3	1.283
24	3	1.283
35	3	1.350
52	2	2.430

923	Other(describe)	
Lab	ppm	Cadmium, Cd
20	7	-1.342
20	7	-1.157
Std Dev	7	-1.000
13	4	0.000
Median	4	0.000
55	4	0.183
Std Dev	2	1.000
69	0	2.031

931	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Cobalt, Co
Median	0	0.000

932	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Cobalt, Co
78	7	-1.212
78	7	-1.212
Std Dev	7	-1.000
35	6	-0.574
77	6	-0.255
77	5	-0.191
266	5	0.000
Median	5	0.000
35	5	0.064
24	4	0.798
Std Dev	4	1.000
24	3	1.053
75	0	3.254
75	0	3.254

933	Other(describe)	
Lab	ppm	Cobalt, Co
13	6	-2.891
55	4	-1.340
Std Dev	3	-1.000
20	2	0.000
20	2	0.000
Median	2	0.000
Std Dev	0	1.000
69	0	1.212

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

942	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Mercury, Hg
24	77.0	-1.515
24	68.0	-1.338
Std Dev	50.9	-1.000
266	0.1	0.000
Median	0.1	0.000
35	0.0	0.002
35	0.0	0.002

943	Other(describe)	
Lab	ppm	Mercury, Hg
13	0.1	-1.340
Std Dev	0.1	-1.000
Median	0.1	0.000
Std Dev	0.0	1.000
69	0.0	1.340

951	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Iolybdenum, Mo
Median	0	0.000

952	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Iolybdenum, Mo
77	16	-0.546
24	15	-0.287
78	15	-0.246
78	15	-0.246
24	15	-0.150

77	14	0.000
266	14	0.000
Median	14	0.000
275	10	0.984
Std Dev	10	1.000
275	10	1.204
20	3	2.872
20	3	2.883

953	Other(describe)	
Lab	ppm	lolybdenum, Mo
13	16	-0.439
69	15	0.000
Median	15	0.000
Std Dev	15	1.000
55	14	2.241

961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
Median	0	0.000

962	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
275	25	-4.227
275	23	-2.740
Std Dev	21	-1.000
78	21	-0.919
35	20	-0.536
78	20	-0.536
24	20	-0.345
24	20	-0.153
Median	19	0.000
266	19	0.153
77	19	0.230
77	19	0.230
35	18	0.995
Std Dev	18	1.000
52	17	2.144
75	12	5.858
75	11	6.279

963	Other(describe)	
Lab	ppm	Nickel, Ni
20	22	-0.112
20	22	-0.074
13	21	0.000
Median	21	0.000
Std Dev	19	1.000
55	18	1.266
69	16	2.125

971	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Lead, Pb
Median	0	0.000

972	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
266	15	-1.378
Std Dev	14	-1.000
51	13	-0.836
77	12	-0.535
77	12	-0.535
35	11	-0.234
51	11	-0.234
275	10	0.000
Median	10	0.000
275	10	0.041
35	10	0.067
78	8	0.805
78	7	0.835
Std Dev	7	1.000
24	6	1.347
24	2	2.341

973	Other(describe)	
Lab	ppm	Lead, Pb
69	11	-1.370
13	11	-1.161
Std Dev	11	-1.000
20	9	0.000
Median	9	0.000
20	9	0.179
55	9	0.290

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

982	ICP-inducted id coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
266	2	0.000
Median	2	0.000

983	Other(describe)	
Lab	ppm	Selenium, Se
13	6	-1.340
Std Dev	5	-1.000
Median	3	0.000
Std Dev	1	1.000
69	0	1.340

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
Median	0	0.000

992	ICP-inducted coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
24	87	-4.142
24	71	-2.325
275	65	-1.565
275	60	-1.019
Std Dev	60	-1.000
78	59	-0.811
78	58	-0.692
77	53	-0.160
Median	52	0.000
266	50	0.160
35	50	0.195
77	50	0.195
35	48	0.432
75	48	0.491
75	46	0.669
Std Dev	43	1.000
52	41	1.225

993	Other(describe)	
Lab	ppm	Zinc, Zn
20	58	-1.426
20	57	-1.140
Std Dev	57	-1.000
55	53	0.000
Median	53	0.000
13	52	0.200
Std Dev	49	1.000
69	38	4.279