

AFPC Rock Check Program

Sample No. 2019-03

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	30	0.69	0.108
Other (describe)	102	2	0.62	0.035
Method Group 100		32	0.68	0.11
P₂O₅				
Gravimetric AFPC IX.3.B	201	4	29.39	0.118
ICP-induced coupled plasma AFPC IX.3.D	202	3	29.35	0.002
Photometric-AFPC IX.3.C	203	24	29.45	0.114
Automated -AOAC 978.01-15th	204	9	29.49	0.086
Other(describe)	205	4	30.76	1.758
Method Group 200		44	29.45	0.15
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	3	29.52	0.090
ICP-induced coupled plasma AFPC IX.3.D	212	3	29.55	0.009
Photometric-AFPC IX.3.C	213	14	29.63	0.075
Automated -AOAC 978.01-15th	214	9	29.68	0.106
Other(describe)	215	2	32.01	0.048
Method Group 210		31	29.65	0.14
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	1	0.98	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	29	1.05	0.045
Other(describe)	303	6	1.16	0.176
Method Group 300		36	1.05	0.07
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	1	1.20	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	29	1.35	0.112
Other(describe)	403	6	2.02	0.288
Method Group 400		36	1.36	0.23
MgO				
Atomic Absorption-AFPC IX.8.A	501	1	0.41	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	29	0.41	0.015
Other(describe)	503	6	0.40	0.039
Method Group 500		36	0.41	0.01
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	22	12.89	0.203
Other(describe)	602	6	12.72	3.986
Method Group 600		28	12.86	0.25
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	14	3.14	0.258
Other(describe)	652	9	3.79	1.142
Method Group 650		23	3.40	0.50
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	23	42.73	0.521
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	42.64	0.239
EDTA Volumetric-AFPC IX.12.C	705	1	43.13	0.000
Other(describe)	706	10	42.89	0.437
Method Group 700		37	42.73	0.46
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	42.93	0.632
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	42.95	0.245
EDTA Volumetric-AFPC IX.12.C	715	1	43.39	0.000
Other(describe)	716	8	43.21	0.516
Method Group 710		25	43.00	0.43

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	24	3.32	0.136
Other (describe)	803	4	3.46	0.040
Method Group 800		28	3.34	0.15
Arsenic, As				
Atomic Absorption	911	1	20.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	10	10.0	4.40
Other(describe)	913	4	8.8	0.86
Method Group 900		15	10.0	2.09
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	2	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	15	4	0.8
Other(describe)	923	3	8	1.5
Method Group 910		19	4	1.0
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	3	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	12	20	10.5
Other(describe)	933	3	3	8.5
Method Group 920		16	15	10.4
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.2	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	3	55.0	21.23
Other(describe)	943	1	0.2	0.00
Method Group 930		5	0.2	40.91
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	10	22	3.7
Other(describe)	953	1	30	0.0
Method Group 940		12	22	6.1
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	22	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	13	22	1.5
Other(describe)	963	5	29	8.6
Method Group 950		19	24	4.5
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	10	17	4.2
Other(describe)	973	3	13	3.9
Method Group 960		14	16	6.1
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	1		0.0
Other(describe)	983	3	11	3.3
Method Group 970		4	7	6.9
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	37	0
ICP-induced coupled plasma-AFPC IX.16.A	992	13	39	10
Other(describe)	993	4	32	9
Method Group 980		18	39	7

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
49	0.81		-1.109
52	0.81		-1.109
Std Dev	0.80		-1.000
49	0.79		-0.924
21	0.79		-0.878
13	0.78		-0.786
21	0.76		-0.647
9	0.75		-0.508
13	0.75		-0.508
15	0.75		-0.508
24	0.74		-0.416
9	0.73		-0.370
15	0.73		-0.370
30	0.73		-0.370
10	0.70		-0.092
55	0.70		-0.092
Median	0.69		0.000
26	0.68		0.092
10	0.68		0.092
24	0.68		0.139
241	0.67		0.185
26	0.66		0.277
35	0.61		0.739
20	0.60		0.832
266	0.60		0.832
35	0.59		0.924
Std Dev	0.58		1.000
75	0.54		1.432
75	0.52		1.571
275	0.50		1.802
77	0.49		1.848
275	0.47		2.079
77	0.26		3.974

102 Other (describe)			
Lab	%	H ₂ O	
241	0.67		-1.340
Std Dev	0.66		-1.000
Median	0.62		0.000
Std Dev	0.59		1.000
20	0.58		1.340

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
56	29.63		-2.026
Std Dev	29.50		-1.000
55	29.44		-0.464
Median	29.39		0.000
77	29.33		0.464
241	29.32		0.549

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	29.35		-2.680
Std Dev	29.35		-1.000
10	29.35		0.000
10	29.35		0.000
Median	29.35		0.000

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
51	29.77		-2.790
51	29.73		-2.438
9	29.62		-1.472
Std Dev	29.57		-1.000
49	29.56		-0.901
30	29.52		-0.593
30	29.51		-0.505
35	29.50		-0.417
9	29.47		-0.110
35	29.46		-0.066
45	29.46		-0.066
49	29.46		-0.066
275	29.46		-0.022
Median	29.45		0.000
45	29.45		0.022
237	29.45		0.066
26	29.42		0.286
21	29.38		0.681
21	29.37		0.725
26	29.36		0.813
Std Dev	29.34		1.000
92	29.32		1.164
78	29.30		1.384
92	29.29		1.428
275	29.25		1.823

78	29.22		2.043
52	29.00		3.976

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
24	29.60		-1.282
13	29.58		-1.049
Std Dev	29.58		-1.000
13	29.56		-0.816
24	29.54		-0.524
75	29.49		0.000
Median	29.49		0.000
15	29.46		0.408
15	29.45		0.524
Std Dev	29.40		1.000
75	29.21		3.263
77	29.04		5.243

205 Other(describe)			
Lab	%	P2O5	
20	31.89		-0.641
20	31.76		-0.564
Median	30.76		0.000
56	29.77		0.564
Std Dev	29.00		1.000
19	28.42		1.332

211 Gravimetric AFPC IX.3.B				
Lab	%	P2O5	dB	
55	29.65			-1.443
Std Dev	29.61			-1.000
241	29.52			0.000
Median	29.52			0.000
Std Dev	29.43			1.000
77	29.41			1.237

212 ICP-induced coupled plasma AFPC IX.3.D				
Lab	%	P2O5	dB	
10	29.55			-0.646
10	29.55			0.000
Median	29.55			0.000
Std Dev	29.54			1.000
266	29.53			2.034

213 Photometric-AFPC IX.3.C				
Lab	%	P2O5	dB	
9	29.84			-2.799
49	29.79			-2.165
30	29.74			-1.454
Std Dev	29.70			-1.000
49	29.70			-0.967
9	29.69			-0.774
35	29.68			-0.706
35	29.63			-0.090
Median	29.63			0.000
26	29.62			0.090
21	29.61			0.277
275	29.60			0.355
21	29.59			0.443
26	29.56			0.975
Std Dev	29.55			1.000
275	29.38			3.290
52	29.24			5.223

214 Automated -AOAC 978.01-15th				
Lab	%	P2O5	dB	
24	29.82			-1.348
13	29.80			-1.186
13	29.79			-1.081
Std Dev	29.78			-1.000
24	29.74			-0.562
15	29.68			0.000
Median	29.68			0.000
15	29.66			0.137
75	29.65			0.259
Std Dev	29.57			1.000
75	29.36			2.952
77	29.18			4.645

215 Other(describe)				
Lab	%	P2O5	dB	
20	32.07			-1.340
Std Dev	32.06			-1.000
Median	32.01			0.000
Std Dev	31.96			1.000
20	31.95			1.340

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
55	0.98	0.000
Median	0.98	0.000

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3

35	1.28	-5.248
266	1.24	-4.355
35	1.21	-3.685
78	1.21	-3.685
78	1.20	-3.350
15	1.11	-1.452
15	1.10	-1.228
Std Dev	1.09	-1.000
13	1.08	-0.670
10	1.07	-0.558
10	1.06	-0.223
13	1.06	-0.223
45	1.05	-0.112
49	1.05	-0.112
51	1.05	-0.112
9	1.05	0.000
Median	1.05	0.000
45	1.04	0.112
92	1.04	0.112
92	1.04	0.112
51	1.03	0.335
9	1.03	0.447
49	1.03	0.447
21	1.02	0.670
237	1.01	0.893
Std Dev	1.00	1.000
21	0.98	1.452
75	0.96	1.894
75	0.96	1.923
24	0.95	2.122
24	0.94	2.457
52	0.77	6.142

303 Other(describe)		
Lab	%	Fe2O3
77	1.38	-1.248
Std Dev	1.34	-1.000

56	1.28	-0.681
77	1.22	-0.340
Median	1.16	0.000
19	1.10	0.340
20	1.01	0.879
20	1.01	0.879

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	1.20	0.000
Median	1.20	0.000

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3

266	2.21	-7.683
78	2.04	-6.164
78	2.03	-6.075
35	1.70	-3.127
35	1.67	-2.859
52	1.50	-1.340
Std Dev	1.46	-1.000
92	1.43	-0.715
92	1.43	-0.715
51	1.41	-0.536
237	1.39	-0.313
51	1.38	-0.268
24	1.37	-0.134
75	1.35	-0.024
75	1.35	-0.003
24	1.35	0.000
Median	1.35	0.000
49	1.31	0.357
45	1.30	0.447
9	1.30	0.491
15	1.29	0.581
49	1.29	0.581
10	1.28	0.625
45	1.28	0.625
15	1.28	0.670
10	1.27	0.715
9	1.26	0.804
21	1.26	0.849
Std Dev	1.24	1.000
13	1.23	1.072

13	1.23	1.117
21	1.19	1.429

403 Other(describe)		
Lab	%	Al2O3

56	2.10	-0.295
77	2.06	-0.156
19	2.03	-0.052
Median	2.02	0.000
77	2.00	0.052
Std Dev	1.73	1.000
20	1.56	1.596
20	1.50	1.787

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO

55	0.41	0.000
Median	0.41	0.000

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

35	0.49	-5.360
35	0.47	-4.020
13	0.43	-1.005
Std Dev	0.42	-1.000
13	0.42	-0.670
15	0.42	-0.670
24	0.42	-0.670
49	0.42	-0.670
49	0.42	-0.670
266	0.42	-0.670
15	0.42	-0.335
10	0.41	0.000
24	0.41	0.000
24	0.41	0.000
51	0.41	0.000
78	0.41	0.000
78	0.41	0.000
Median	0.41	0.000
9	0.41	0.335
21	0.41	0.335
21	0.41	0.335
237	0.40	0.402
9	0.40	0.670
45	0.40	0.670

45	0.40	0.670
51	0.40	0.670
75	0.40	0.920
Std Dev	0.40	1.000
75	0.39	1.120
10	0.37	2.680
92	0.34	4.690
52	0.27	9.380
92	0.26	10.050

503 Other(describe)		
Lab	%	MgO

77	0.49	-2.297
Std Dev	0.44	-1.000
77	0.41	-0.255
20	0.40	0.000
20	0.40	0.000
Median	0.40	0.000
Std Dev	0.36	1.000
19	0.34	1.531
56	0.34	1.531

601 Insoluble-AFPC IX.4.A		
Lab	%	Al

45	14.01	-5.508
45	13.63	-3.639
9	13.26	-1.819
49	13.25	-1.770
55	13.10	-1.033
Std Dev	13.09	-1.000
26	13.09	-0.983
10	13.02	-0.639
24	13.01	-0.566
26	12.98	-0.443
15	12.92	-0.148
13	12.90	-0.049
Median	12.89	0.000
30	12.88	0.049
24	12.85	0.221
15	12.84	0.270
35	12.82	0.344
13	12.82	0.369
10	12.80	0.467
9	12.76	0.639

35	12.75	0.688
51	12.70	0.934
Std Dev	12.69	1.000
51	12.62	1.328
49	12.54	1.721

602 Other(describe)		
Lab	%	AI
21	13.12	-0.102
21	13.10	-0.095
19	12.83	-0.029
Median	12.72	0.000
266	12.60	0.029
Std Dev	8.73	1.000
20	6.05	1.672
20	5.80	1.735

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
52	4.30	-4.489
21	3.50	-1.393
21	3.50	-1.393
30	3.46	-1.238
49	3.41	-1.026
Std Dev	3.40	-1.000
49	3.39	-0.968
9	3.18	-0.155
Median	3.14	0.000
9	3.10	0.155
15	3.10	0.155
24	3.10	0.155
24	3.10	0.155
13	3.02	0.464
15	3.01	0.503
13	2.98	0.619

652 Other(describe)		
Lab	%	CO2
35	6.03	-1.962
35	5.97	-1.909
Std Dev	4.93	-1.000
78	4.93	-0.998
78	4.87	-0.946
51	3.79	0.000

Median	3.79	0.000
51	3.76	0.026
56	3.40	0.342
55	3.34	0.394
Std Dev	2.65	1.000
266	2.59	1.051

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

702 ICP-induced coupled plasma-AFPC IX.12.D		
Lab	%	CaO
75	51.59	-17.031
75	48.76	-11.598
45	43.69	-1.854
51	43.39	-1.278
78	43.28	-1.066
Std Dev	43.25	-1.000
51	43.24	-0.989
78	43.13	-0.778
45	43.09	-0.701
49	42.99	-0.509
13	42.96	-0.442
13	42.74	-0.029
9	42.73	0.000
Median	42.73	0.000
92	42.72	0.010
10	42.72	0.019
92	42.68	0.086
10	42.53	0.375
49	42.52	0.394
9	42.46	0.519
Std Dev	42.20	1.000
35	42.01	1.374
237	41.98	1.425
21	41.87	1.652
21	41.78	1.815
35	41.75	1.873

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

704 Permanganate		
Lab	%	CaO
55	42.93	-1.214
Std Dev	42.88	-1.000
30	42.64	0.000
Median	42.64	0.000
Std Dev	42.40	1.000
241	42.29	1.466

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
266	43.13	0.000
Median	43.13	0.000

706 Other(describe)		
Lab	%	CaO
77	43.80	-2.080
77	43.70	-1.851
Std Dev	43.33	-1.000
15	43.13	-0.549
56	43.11	-0.503
15	43.10	-0.480
Median	42.89	0.000
24	42.68	0.480
24	42.63	0.606
20	42.51	0.869
20	42.47	0.971
Std Dev	42.45	1.000
19	42.32	1.303

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
75	51.87	-14.139	
75	49.02	-9.628	
Std Dev	43.56	-1.000	
49	43.34	-0.646	
13	43.29	-0.566	
13	43.06	-0.202	
9	43.05	-0.178	
10	43.01	-0.118	

Median	42.93	0.000
49	42.86	0.118
10	42.83	0.163
9	42.77	0.262
Std Dev	42.30	1.000
35	42.26	1.066
21	42.20	1.166
21	42.10	1.318
35	42.01	1.467

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

714 Permanganate			
Lab	%	CaO	dB
55	43.23	-1.138	
Std Dev	43.20	-1.000	
30	42.95	0.000	
Median	42.95	0.000	
Std Dev	42.71	1.000	
241	42.58	1.542	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	43.39	0.000	
Median	43.39	0.000	

716 Other(describe)			
Lab	%	CaO	dB
77	43.92	-1.374	
77	43.91	-1.372	
Std Dev	43.72	-1.000	
15	43.45	-0.479	
15	43.42	-0.408	
Median	43.21	0.000	
24	43.00	0.408	
24	42.91	0.566	
20	42.77	0.853	
20	42.71	0.961	

801 Volumetric-AFPC IX.14.A			
Lab	%	Fluorine, F	
Median	0.00	0.000	0.000

802 Specific Ion Electrode-AFPC IX.14.B		
Lab	%	Fluorine, F
21	3.52	-1.468
9	3.48	-1.175
24	3.47	-1.065
Std Dev	3.46	-1.000
49	3.46	-0.991
49	3.43	-0.808
9	3.40	-0.587
24	3.37	-0.367
26	3.37	-0.367
13	3.36	-0.257
55	3.35	-0.220
21	3.34	-0.110
26	3.32	0.000
30	3.32	0.000
Median	3.32	0.000
13	3.31	0.110
15	3.28	0.294
15	3.28	0.294
35	3.25	0.514
35	3.20	0.881
Std Dev	3.18	1.000
51	3.18	1.028
75	3.13	1.395
51	3.12	1.468
75	3.12	1.468
266	3.07	1.836
52	2.93	2.900

803 Other(describe)		
Lab	%	Fluorine, F
77	3.56	-2.493
Std Dev	3.50	-1.000
20	3.47	-0.249
Median	3.46	0.000
77	3.45	0.249
Std Dev	3.42	1.000
20	3.41	1.371

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	20.0	0.000

Median	20.0	0.000
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912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
24	11.8	-0.397
24	11.5	-0.329
35	11.0	-0.227
51	11.0	-0.227
35	10.0	0.000
51	10.0	0.000
Median	10.0	0.000
52	9.0	0.227
Std Dev	5.6	1.000
78	3.8	1.408
78	2.9	1.613
266	2.7	1.658

913 Other(describe)		
Lab	ppm	Arsenic, As
20	10.0	-1.355
Std Dev	9.7	-1.000
13	9.3	-0.506
Median	8.8	0.000
77	8.4	0.506
20	8.0	0.971

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	2	0.000
Median	2	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
51	5	-1.276
Std Dev	5	-1.000
78	5	-0.893
78	5	-0.696
75	4	-0.128
35	4	0.000
45	4	0.000
45	4	0.000
51	4	0.000
Median	4	0.000
75	4	0.191

266	3	0.664
Std Dev	3	1.000
35	3	1.276
52	3	1.276
24	3	1.787
24	3	1.914
77	0	5.105

923 Other(describe)		
Lab	ppm	Cadmium, Cd
20	8	-0.328
20	8	0.000
Median	8	0.000
Std Dev	6	1.000
13	4	2.352

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	3	0.000
Median	3	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	30	-0.988
78	30	-0.941
266	23	-0.361
35	23	-0.323
24	22	-0.219
35	20	-0.038
Median	20	0.000
24	19	0.038
75	10	0.884
Std Dev	9	1.000
45	9	1.007
45	9	1.007
77	9	1.007
75	8	1.074

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	23	-2.327
Std Dev	11	-1.000
20	3	0.000
Median	3	0.000

20	0	0.353
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941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
55	0.2	0.000
Median	0.2	0.000

942 ICP-induced coupled plasma-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
24	57.0	-0.094
24	55.0	0.000
Median	55.0	0.000
Std Dev	33.8	1.000
266	0.1	2.586

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	0.2	0.000
Median	0.2	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	8	0.000
Median	8	0.000

952 ICP-induced coupled plasma-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
45	33	-3.011
45	32	-2.741
Std Dev	26	-1.000
24	23	-0.351
24	23	-0.230
266	22	-0.095
Median	22	0.000
78	22	0.095
78	21	0.149
Std Dev	18	1.000
77	17	1.310
20	16	1.715
20	15	1.985

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	30	0.000

Median	30	0.000
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961	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Nickel, Ni
55	22	0.000
Median	22	0.000

962	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Nickel, Ni
35	34	-7.839
35	33	-7.169
24	24	-1.407
45	24	-1.139
52	24	-1.139
24	24	-1.005
Std Dev	24	-1.000
266	22	0.000
Median	22	0.000
45	22	0.201
78	22	0.201
78	22	0.201
77	21	0.871
Std Dev	21	1.000
75	20	1.709
75	19	2.211

963	Other(describe)	
Lab	ppm	Nickel, Ni
19	75	-5.418
19	39	-1.223
Std Dev	37	-1.000
20	29	0.000
Median	29	0.000
20	28	0.117
13	25	0.373

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
266	27	-2.175

Std Dev	22	-1.000
35	21	-0.853
51	21	-0.853
51	20	-0.613
35	19	-0.373
Median	17	0.000
78	16	0.373
78	16	0.421
77	15	0.589
Std Dev	13	1.000
24	7	2.404
24	7	2.440

973	Other(describe)	
Lab	ppm	Lead, Pb
13	23	-2.552
Std Dev	17	-1.000
20	13	0.000
Median	13	0.000
20	13	0.128

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
266	0	0.000
Median	0	0.000

983	Other(describe)	
Lab	ppm	Selenium, Se
20	11	-0.054
20	11	0.000
Median	11	0.000
Std Dev	8	1.000
13	2	2.626

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
55	37	0.000
Median	37	0.000

992	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
24	60	-2.039
24	56	-1.579
75	51	-1.173
35	50	-1.053
Std Dev	49	-1.000
35	45	-0.574
52	40	-0.096
78	39	0.000
78	39	0.000
Median	39	0.000
75	38	0.062
45	36	0.287
266	36	0.297
45	34	0.479
77	32	0.670

993	Other(describe)	
Lab	ppm	Zinc, Zn
19	45	-1.441
Std Dev	41	-1.000
13	37	-0.552
Median	32	0.000
20	27	0.552
20	26	0.606