

AFPC Rock Check Program

Sample No. 2017-02

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	31	1.96	0.160
Other (describe)	102	1	1.63	
Method Group 100		32	1.95	0.17
P₂O₅				
Gravimetric AFPC IX.3.B	201	3	29.07	0.067
ICP-induced coupled plasma AFPC IX.3.D	202	3	29.02	0.026
Photometric-AFPC IX.3.C	203	20	29.03	0.136
Automated -AOAC 978.01-15th	204	10	28.96	0.088
Other(describe)	205	2	29.29	0.257
Method Group 200		38	29.02	0.10
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	2	29.36	0.082
ICP-induced coupled plasma AFPC IX.3.D	212	3	29.56	0.021
Photometric-AFPC IX.3.C	213	15	29.59	0.115
Automated -AOAC 978.01-15th	214	10	29.53	0.103
Other(describe)	215	2	29.80	0.282
Method Group 210		32	29.55	0.12
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	2	0.58	0.041
ICP-induced coupled plasma-AFPC IX.6.C	302	28	0.53	0.201
Other(describe)	303	5	0.63	0.037
Method Group 300		35	0.59	0.20
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	0.41	0.026
ICP-induced coupled plasma-AFPC IX.7.C	402	28	0.33	0.047
Other(describe)	403	5	0.43	0.007
Method Group 400		35	0.37	0.05
MgO				
Atomic Absorption-AFPC IX.8.A	501	4	0.70	0.063
ICP-induced coupled plasma-AFPC IX.8.B	502	26	0.72	0.021
Other(describe)	503	5	0.70	0.030
Method Group 500		35	0.72	0.03
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	20	1.95	0.316
Other(describe)	602	7	1.64	0.325
Method Group 600		27	1.94	0.32
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	17	6.80	0.429
Other(describe)	652	11	7.19	0.354
Method Group 650		28	6.91	0.37
CaO				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	21	47.41	1.000
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	48.45	0.000
EDTA Volumetric-AFPC IX.12.C	705	1	49.81	0.000
Other(describe)	706	10	48.09	0.243
Method Group 700		33	47.73	0.72
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	16	48.52	1.383
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	49.37	0.000
EDTA Volumetric-AFPC IX.12.C	715	1	50.72	0.000
Other(describe)	716	9	49.09	0.418
Method Group 710		26	48.69	0.55

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	26	3.40	0.137
Other (describe)	803	5	3.25	0.388
Method Group 800		31	3.38	0.13
Arsenic, As				
Atomic Absorption	911	1	8.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	14	15.3	2.81
Other(describe)	913	2	14.9	0.30
Method Group 900		17	15.1	2.65
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	1	42	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	17	41	3.4
Other(describe)	923	3	40	0.5
Method Group 910		21	41	2.2
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	13	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	14	2	2.4
Other(describe)	933	1	2	0.0
Method Group 920		16	2	2.5
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941	1	0.2	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	5	0.1	0.04
Other(describe)	943	2	815.0	608.18
Method Group 930		8	0.1	304.17
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	11	8	1.0
Other(describe)	953	1	10	0.0
Method Group 940		13	9	1.6
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	1	19	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	15	18	3.0
Other(describe)	963	3	19	4.2
Method Group 950		19	19	2.8
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	14	4	2.8
Other(describe)	973	3	5	1.1
Method Group 960		18	4	3.2
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981	1	1	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	3	3	0.5
Other(describe)	983	1	5	0.0
Method Group 970		5	3	1.0
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	330	0
ICP-induced coupled plasma-AFPC IX.16.A	992	15	325	13
Other(describe)	993	3	331	23
Method Group 980		19	326	13

101 Ground Sample AFPC IX.2.A			
Lab	%	H ₂ O	
52	2.16		-1.247
21	2.14		-1.091
Std Dev	2.12		-1.000
24	2.08		-0.748
24	2.08		-0.717
15	2.02		-0.343
9	2.02		-0.343
75	2.01		-0.312
26	2.01		-0.280
49	2.01		-0.280
6	2.00		-0.218
49	1.99		-0.187
61	1.99		-0.187
15	1.97		-0.062
9	1.96		0.000
10	1.96		0.000
75	1.96		0.000
Median	1.96		0.000
10	1.94		0.125
13	1.94		0.125
6	1.92		0.249
30	1.86		0.623
20	1.81		0.935
266	1.80		0.997
275	1.80		0.997
Std Dev	1.80		1.000
55	1.78		1.122
13	1.77		1.184
275	1.71		1.589
61	1.66		1.901
77	0.92		6.482
35	0.85		6.918
35	0.81		7.167
77	0.63		8.289

102 Other (describe)			
Lab	%	H ₂ O	
20	1.63		0.000
Median	1.63		0.000

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
201			

65	29.13		-0.893
77	29.07		0.000
Median	29.07		0.000
Std Dev	29.00		1.000
55	28.95		1.787

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	29.03		-0.383
10	29.02		0.000
Median	29.02		0.000
Std Dev	28.99		1.000
10	28.96		2.297

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	29.62		-4.305
270	29.61		-4.231
51	29.33		-2.175
51	29.26		-1.661
35	29.21		-1.294
Std Dev	29.17		-1.000
26	29.09		-0.413
9	29.09		-0.376
275	29.06		-0.156
9	29.05		-0.083
49	29.04		-0.064
Median	29.03		0.000
6	29.03		0.064
52	29.00		0.248
61	29.00		0.248
275	29.00		0.285
30	28.95		0.615
78	28.90		0.982
Std Dev	28.90		1.000
6	28.89		1.055
49	28.89		1.092
78	28.80		1.753
61	27.79		9.132

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
13	29.08		-1.369
15	29.08		-1.311

77	29.05		-1.026
Std Dev	29.05		-1.000
24	29.04		-0.855
13	28.97		-0.057
Median	28.96		0.000
75	28.96		0.057
24	28.94		0.228
15	28.93		0.399
75	28.91		0.627
Std Dev	28.87		1.000
21	28.85		1.311

205 Other(describe)			
Lab	%	P2O5	
20	29.63		-1.340
Std Dev	29.54		-1.000
Median	29.29		0.000
Std Dev	29.03		1.000
20	28.94		1.340

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
55	29.47		-1.340
Std Dev	29.45		-1.000
Median	29.36		0.000
Std Dev	29.28		1.000
77	29.25		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
10	29.59		-1.555
Std Dev	29.58		-1.000
266	29.56		0.000
Median	29.56		0.000
Std Dev	29.54		1.000
10	29.54		1.125

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	29.87		-2.485
Std Dev	29.70		-1.000
26	29.69		-0.840
9	29.68		-0.822
52	29.64		-0.448

49	29.64		-0.417
9	29.63		-0.321
6	29.62		-0.235
61	29.59		0.000
Median	29.59		0.000
275	29.59		0.011
30	29.50		0.786
275	29.50		0.792
Std Dev	29.47		1.000
49	29.47		1.023
6	29.46		1.161
35	29.45		1.223
61	28.26		11.601

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
15	29.66		-1.291
13	29.66		-1.252
24	29.65		-1.218
Std Dev	29.63		-1.000
24	29.55		-0.257
75	29.53		-0.068
Median	29.53		0.000
15	29.52		0.068
75	29.50		0.282
13	29.49		0.389
21	29.47		0.512
Std Dev	29.42		1.000
77	29.32		2.019

215 Other(describe)			
Lab	%	P2O5	dB
20	30.18		-1.340
Std Dev	30.08		-1.000
Median	29.80		0.000
Std Dev	29.52		1.000
20	29.42		1.340

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
30	0.63		-1.340
Std Dev	0.62		-1.000
Median	0.58		0.000
Std Dev	0.53		1.000

55 0.52 1.340

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

35	0.72	-0.931
35	0.68	-0.732
266	0.66	-0.633
78	0.65	-0.558
51	0.63	-0.484
78	0.62	-0.434
15	0.61	-0.385
51	0.61	-0.385
61	0.61	-0.385
15	0.60	-0.335
75	0.60	-0.333
75	0.59	-0.294
61	0.59	-0.285
24	0.54	-0.012
Median	0.53	0.000
24	0.53	0.012
52	0.52	0.062
270	0.49	0.211
6	0.39	0.707
6	0.37	0.819
10	0.35	0.906
9	0.34	0.955
10	0.34	0.955
13	0.34	0.955
9	0.34	0.955
13	0.34	0.980
Std Dev	0.33	1.000
21	0.33	1.005
49	0.33	1.005
49	0.32	1.055

303 Other(describe)		
Lab	%	Fe2O3

77	0.69	-1.608
Std Dev	0.67	-1.000
77	0.66	-0.804
65	0.63	0.000
Median	0.63	0.000
20	0.61	0.536
Std Dev	0.59	1.000

20 0.57 1.608

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3

55	0.44	-1.340
Std Dev	0.43	-1.000
Median	0.41	0.000
Std Dev	0.38	1.000
30	0.37	1.340

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

35	0.45	-2.573
266	0.42	-1.930
51	0.40	-1.501
35	0.38	-1.072
52	0.38	-1.072
61	0.38	-1.072
78	0.38	-1.072
Std Dev	0.38	-1.000
78	0.38	-0.965
51	0.37	-0.858
270	0.37	-0.858
61	0.37	-0.750
15	0.35	-0.429
15	0.35	-0.322
9	0.33	0.000
9	0.33	0.000
49	0.33	0.000
Median	0.33	0.000
49	0.32	0.214
75	0.32	0.269
6	0.32	0.322
24	0.32	0.322
24	0.32	0.322
10	0.31	0.429
75	0.31	0.532
6	0.31	0.536
21	0.31	0.536
10	0.30	0.643
Std Dev	0.28	1.000
13	0.28	1.072
13	0.26	1.608

403 Other(describe)		
Lab	%	Al2O3

20	0.45	-2.680
Std Dev	0.44	-1.000
20	0.43	0.000
77	0.43	0.000
Median	0.43	0.000
Std Dev	0.42	1.000
77	0.42	1.340
65	0.37	8.040

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

55	0.85	-2.444
Std Dev	0.76	-1.000
35	0.72	-0.394
Median	0.70	0.000
30	0.67	0.394
35	0.66	0.552

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

270	0.78	-2.924
51	0.75	-1.462
15	0.75	-1.218
Std Dev	0.74	-1.000
15	0.74	-0.731
6	0.73	-0.487
13	0.73	-0.487
49	0.73	-0.487
51	0.73	-0.487
78	0.73	-0.487
6	0.73	-0.244
21	0.73	-0.244
49	0.73	-0.244
10	0.72	0.000
10	0.72	0.000
Median	0.72	0.000
9	0.72	0.244
61	0.72	0.244
78	0.72	0.244
9	0.71	0.487
13	0.71	0.487
52	0.70	0.975

Std Dev 0.70 1.000

24	0.70	1.218
266	0.69	1.462
24	0.68	1.949
61	0.66	2.924
75	0.58	6.783
75	0.57	7.292

503 Other(describe)		
Lab	%	MgO

65	0.72	-0.670
20	0.71	-0.335
20	0.70	0.000
Median	0.70	0.000
Std Dev	0.67	1.000
77	0.67	1.005
77	0.66	1.340

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

49	2.50	-1.739
21	2.49	-1.708
49	2.36	-1.297
15	2.28	-1.044
15	2.28	-1.028
Std Dev	2.27	-1.000
55	2.10	-0.474
10	2.03	-0.253
13	1.99	-0.126
10	1.97	-0.063
51	1.95	0.000
61	1.95	0.000
Median	1.95	0.000
9	1.94	0.032
13	1.91	0.126
9	1.90	0.174
51	1.75	0.632
Std Dev	1.63	1.000
24	1.63	1.012
24	1.63	1.012
30	1.57	1.202
26	1.36	1.866
61	1.31	2.040

602 Other(describe)			
Lab	%	Al	
20	2.47		-2.572
6	2.00		-1.124
Std Dev	1.96		-1.000
6	1.93		-0.909
275	1.64		0.000
Median	1.64		0.000
275	1.59		0.139
266	1.47		0.508
Std Dev	1.31		1.000
20	0.31		4.082

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
77	7.20		-0.932
24	7.15		-0.804
6	7.14		-0.781
30	7.13		-0.769
6	7.10		-0.699
9	7.02		-0.513
24	7.01		-0.478
9	6.92		-0.280
52	6.80		0.000
Median	6.80		0.000
13	6.73		0.163
13	6.71		0.221
49	6.55		0.583
49	6.53		0.641
Std Dev	6.37		1.000
15	6.20		1.398
15	6.16		1.491
21	5.85		2.226
61	5.71		2.540

652 Other(describe)			
Lab	%	CO2	
51	7.84		-1.834
51	7.79		-1.693
Std Dev	7.54		-1.000
65	7.37		-0.508
78	7.22		-0.071
78	7.22		-0.071
275	7.19		0.000

Median	7.19		0.000
55	6.90		0.818
275	6.85		0.973
Std Dev	6.84		1.000
20	6.79		1.128
20	6.75		1.241
266	6.42		2.172

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	
270	49.66		-2.255
Std Dev	48.41		-1.000
21	47.93		-0.520
10	47.90		-0.495
13	47.84		-0.430
9	47.80		-0.395
13	47.76		-0.350
9	47.73		-0.325
10	47.67		-0.265
6	47.65		-0.245
6	47.50		-0.090
49	47.41		0.000
Median	47.41		0.000
51	47.15		0.255
51	47.10		0.305
49	47.01		0.395
78	46.98		0.425
78	46.42		0.990
Std Dev	46.41		1.000
52	46.20		1.205
61	44.96		2.445
61	43.72		3.690
75	41.45		5.951
75	41.30		6.105

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

704 Permanganate			
Lab	%	CaO	
30	48.45		0.000
Median	48.45		0.000

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	49.81		0.000
Median	49.81		0.000

706 Other(describe)			
Lab	%	CaO	
20	48.79		-2.907
20	48.68		-2.453
Std Dev	48.33		-1.000
15	48.12		-0.124
15	48.11		-0.082
24	48.11		-0.082
Median	48.09		0.000
24	48.07		0.082
77	47.90		0.763
Std Dev	47.84		1.000
65	47.75		1.381
55	47.70		1.587
77	47.60		2.000

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
21	48.97		-0.324
10	48.85		-0.235
9	48.78		-0.188
13	48.70		-0.128
13	48.70		-0.126
9	48.68		-0.117
10	48.62		-0.073
6	48.58		-0.044
Median	48.52		0.000
6	48.46		0.044
49	48.37		0.112
49	47.97		0.398

52	47.22		0.942
Std Dev	47.14		1.000
61	45.72		2.028
61	44.60		2.834
75	42.30		4.495
75	42.13		4.624

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

714 Permanganate			
Lab	%	CaO	dB
30	49.37		0.000
Median	49.37		0.000

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	50.72		0.000
Median	50.72		0.000

716 Other(describe)			
Lab	%	CaO	dB
20	49.60		-1.227
20	49.58		-1.176
Std Dev	49.50		-1.000
24	49.12		-0.092
15	49.10		-0.044
24	49.09		0.000
Median	49.09		0.000
15	49.07		0.034
Std Dev	48.67		1.000
55	48.56		1.248
77	48.34		1.774
77	47.90		2.834

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	
75	3.76		-2.644
35	3.70		-2.206

35	3.66	-1.914
15	3.63	-1.659
15	3.60	-1.477
266	3.59	-1.404
Std Dev	3.53	-1.000
75	3.53	-0.966
13	3.50	-0.711
6	3.49	-0.675
21	3.47	-0.529
30	3.40	-0.018
51	3.40	-0.018
52	3.40	-0.018
Median	3.40	0.000
9	3.40	0.018
51	3.39	0.055
9	3.38	0.164
24	3.36	0.273
270	3.35	0.346
49	3.35	0.383
49	3.34	0.456
26	3.33	0.529
21	3.32	0.551
6	3.32	0.602
13	3.29	0.784
Std Dev	3.26	1.000
24	3.25	1.112
55	3.08	2.315

803 Other(describe)		
Lab	%	Fluorine, F
65	3.35	-0.258
77	3.30	-0.129
77	3.25	0.000
Median	3.25	0.000
Std Dev	2.86	1.000
20	2.78	1.211
20	2.73	1.340

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	8.0	0.000
Median	8.0	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
61	21.1	-2.069
35	20.0	-1.692
61	19.9	-1.638
Std Dev	18.1	-1.000
35	18.0	-0.979
270	17.7	-0.873
266	17.2	-0.694
24	15.4	-0.053
Median	15.3	0.000
24	15.1	0.053
77	14.4	0.303
78	14.2	0.374
78	14.2	0.392
Std Dev	12.4	1.000
51	12.0	1.157
52	11.3	1.407
51	11.0	1.514

913 Other(describe)		
Lab	ppm	Arsenic, As
13	15.3	-1.340
Std Dev	15.2	-1.000
Median	14.9	0.000
Std Dev	14.6	1.000
77	14.5	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	42	0.000
Median	42	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
78	45	-1.158
61	45	-1.042
Std Dev	44	-1.000
78	44	-0.870
270	43	-0.596
266	43	-0.447
77	42	-0.298
52	42	-0.268
61	42	-0.259

77	41	0.000
Median	41	0.000
75	40	0.194
75	40	0.208
51	39	0.596
51	38	0.893
Std Dev	38	1.000
35	36	1.489
24	36	1.593
24	36	1.593
35	35	1.787

923 Other(describe)		
Lab	ppm	Cadmium, Cd
20	41	-2.484
Std Dev	41	-1.000
13	40	0.000
Median	40	0.000
20	40	0.196

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	13	0.000
Median	13	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
35	5	-1.203
78	5	-1.203
78	5	-1.203
270	5	-1.015
Std Dev	5	-1.000
266	4	-0.743
35	3	-0.366
24	2	-0.010
Median	2	0.000
24	2	0.010
61	2	0.257
61	1	0.347
75	1	0.408
75	1	0.638
77	1	0.680
77	1	0.680

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	2	0.000
Median	2	0.000

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.A		
Lab	ppm	Mercury, Hg
61	1922.0	#####
Std Dev	0.1	-1.000
35	0.1	-0.992
266	0.1	0.000
Median	0.1	0.000
270	0.1	0.348
Std Dev	0.0	1.000
35	0.0	1.662

943 Other(describe)		
Lab	ppm	Mercury, Hg
61	1630.0	-1.340
Std Dev	1423.2	-1.000
Median	815.0	0.000
Std Dev	206.9	1.000
13	0.1	1.340

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	12	0.000
Median	12	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
61	11	-2.377
266	11	-2.174
270	10	-1.163
Std Dev	9	-1.000
78	9	-0.809
78	9	-0.253
61	8	0.000
Median	8	0.000

24	8	0.051
24	8	0.354
77	8	0.354
Std Dev	7	1.000
77	7	1.365
20	5	3.449

953 Other(describe)		
Lab	ppm	tolychdenum, Mo
13	10	0.000
Median	10	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	19	0.000
Median	19	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
78	22	-1.352
78	22	-1.183
270	21	-1.014
Std Dev	21	-1.000
61	20	-0.811
61	20	-0.534
52	19	-0.203
75	19	-0.169
77	18	0.000
77	18	0.000
Median	18	0.000
75	18	0.034
24	16	0.659
24	16	0.676
Std Dev	15	1.000
266	15	1.149
35	6	4.055
35	2	5.407

963 Other(describe)		
Lab	ppm	Nickel, Ni
20	28	-2.067
Std Dev	23	-1.000
20	19	0.000
Median	19	0.000

13	16	0.613
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971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	8	0.000
Median	8	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
61	8	-1.549
61	8	-1.358
Std Dev	7	-1.000
266	6	-0.696
51	5	-0.405
35	4	-0.045
35	4	-0.045
51	4	-0.045
Median	4	0.000
270	4	0.045
24	2	0.674
24	1	0.998
Std Dev	1	1.000
78	1	1.034
78	1	1.034
77	0	1.394
77	0	1.394

973 Other(describe)		
Lab	ppm	Lead, Pb
20	6	-0.778
20	5	0.000
Median	5	0.000
Std Dev	4	1.000
13	3	1.902

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	1	0.000
Median	1	0.000

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
77	3	0.000
77	3	0.000

Median	3	0.000
Std Dev	3	1.000
266	2	2.680

983 Other(describe)		
Lab	ppm	Selenium, Se
13	5	0.000
Median	5	0.000

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	330	0.000
Median	330	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
61	371	-3.555
61	347	-1.680
78	345	-1.524
Std Dev	338	-1.000
24	337	-0.945
78	336	-0.820
24	330	-0.383
77	326	-0.078
77	325	0.000
Median	325	0.000
35	323	0.156
52	321	0.313
35	320	0.391
75	318	0.523
Std Dev	312	1.000
75	312	1.051
266	310	1.172
270	305	1.563

993 Other(describe)		
Lab	ppm	Zinc, Zn
20	350	-0.850
20	331	0.000
Median	331	0.000
Std Dev	308	1.000
13	289	1.830