

# AFPC Rock Check Program

Sample No. 2009-07

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC 9-2	101	16	0.82	0.240
Other (describe)	102	9	0.87	0.157
Method Group 100		25	0.84	0.21
<b>BPL or P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC 9-5	201	3	33.45	0.071
ICP-induced coupled plasma	202	6	33.27	1.029
Photometric-AFPC 9-6	203	11	33.10	0.218
Automated -AOAC 978.01-15th	204	9	33.04	0.231
Other(describe)	205	6	33.23	0.244
Method Group 200		35	33.16	0.34
<b>BPL or P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC 9-5	211	2	33.52	0.166
ICP-induced coupled plasma	212	6	33.54	0.951
Photometric-AFPC 9-6	213	4	33.39	0.046
Automated -AOAC 978.01-15th	214	9	33.35	0.137
Other(describe)	215	4	33.58	0.528
Method Group 210		25	33.39	0.30
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC 9-12,13	301	5	1.00	0.082
ICP-induced coupled plasma	302	29	0.97	0.046
Other(describe)	303	1	0.98	0.000
Method Group 300		35	0.97	0.06
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC 9-16,17	401	4	1.25	0.217
ICP-induced coupled plasma	402	28	1.22	0.084
Other(describe)	403	1	1.47	0.000
Method Group 400		33	1.23	0.08
<b>MgO</b>				
Atomic Absorption-AFPC 9-18,19	501	5	0.31	0.015
ICP-induced coupled plasma	502	28	0.35	0.016
Other(describe)	503	2	0.38	0.006
Method Group 500		35	0.35	0.02
<b>Acid Insoluble</b>				
Insoluble-AFPC 9-8	601	16	3.63	0.282
Other(describe)	602	4	3.92	0.244
Method Group 600		20	3.67	0.36
<b>CaO</b>				
Gravimetric sulfate	701			
ICP-induced coupled plasma	702	14	48.47	0.914
Ceric Sulfate volumetric	703			
Permanganate	704	3	47.30	0.431
EDTA Volumetric	705	8	48.89	1.020
Other(describe)	706	8	48.42	0.463
Method Group 700		33	48.49	0.72
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate	711			
ICP-induced coupled plasma	712	9	48.64	0.513
Ceric Sulfate volumetric	713			
Permanganate	714	2	48.18	0.449
EDTA Volumetric	715	7	49.22	1.044
Other(describe)	716	7	49.00	0.387
Method Group 710		25	48.78	0.52

	Method #	# of Anal.	Grand Median	Std Dev
<b>Fluorine, F</b>				
Volumetric-AFPC 9-37	801			
Specific Ion Electrode	802	21	3.74	0.213
Other (describe)	803	2	3.85	0.041
Method Group 800		23	3.75	0.22
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma	912	7	8.0	1.57
Other(describe)	913	2	6.9	0.70
Method Group 900		9	8.0	1.27
<b>Cadmium, Cd</b>				
Atomic Absorption	921	2	9	0.9
ICP-induced coupled plasma	922	12	7	0.3
Other(describe)	923	1	8	0.0
Method Group 910		15	7	0.5
<b>Cobalt, Co</b>				
Atomic Absorption	931			
ICP-induced coupled plasma	932	14	7	1.4
Other(describe)	933	2	15	4.8
Method Group 920		16	7	1.5
<b>Mercury, Hg</b>				
Atomic Absorption	941			
ICP-induced coupled plasma	942	1	0.2	0.00
Other(describe)	943			
Method Group 930		1	0.2	0.00
<b>Molybdenum, Mo</b>				
Atomic Absorption	951			
ICP-induced coupled plasma	952	10	21	2.0
Other(describe)	953	1	20	0.0
Method Group 940		11	20	1.7
<b>Nickel, Ni</b>				
Atomic Absorption	961	1	31	0.0
ICP-induced coupled plasma	962	15	16	4.6
Other(describe)	963	2	38	13.9
Method Group 950		18	16	5.4
<b>Lead, Pb</b>				
Atomic Absorption	971	2	19	6.0
ICP-induced coupled plasma	972	11	16	4.4
Other(describe)	973	1	15	0.0
Method Group 960		14	15	4.7
<b>Selenium, Se</b>				
Atomic Absorption	981			
ICP-induced coupled plasma	982	4	1	1.8
Other(describe)	983	1	2	0.0
Method Group 970		5	2	1.8
<b>Zinc, Zn</b>				
Atomic Absorption	991	4	78	4
ICP-induced coupled plasma	992	16	82	19
Other(describe)	993	1	82	0
Method Group 980		21	80	12

101 Ground Sample AFPC 9-2			
Lab	%	H <sub>2</sub> O	
27	1.09		-1.114
<b>Std Dev</b>	<b>1.06</b>		<b>-1.000</b>
15	0.89		-0.302
75	0.89		-0.281
10	0.88		-0.239
75	0.87		-0.219
15	0.87		-0.198
24	0.84		-0.073
10	0.83		-0.031
<b>Median</b>	<b>0.82</b>		<b>0.000</b>
24	0.81		0.031
49	0.81		0.031
51	0.72		0.427
30	0.59		0.947
<b>Std Dev</b>	<b>0.58</b>		<b>1.000</b>
35	0.43		1.622
77	0.34		1.989
266	0.30		2.155
77	0.09		3.030

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
13	0.98		-0.734
237	0.96		-0.606
13	0.93		-0.415
26	0.87		-0.032
9	0.87		0.000
<b>Median</b>	<b>0.87</b>		<b>0.000</b>
9	0.85		0.096
6	0.72		0.925
<b>Std Dev</b>	<b>0.71</b>		<b>1.000</b>
55	0.46		2.584
55	0.32		3.478

201 Gravimetric AFPC 9-5			
Lab	%	P2O5	
50	33.46		-0.141
26	33.45		0.000
<b>Median</b>	<b>33.45</b>		<b>0.000</b>
<b>Std Dev</b>	<b>33.38</b>		<b>1.000</b>
77	33.27		2.539

202 ICP-induced coupled plasma			
Lab	%	P2O5	
55	35.04		-1.720
55	34.85		-1.536
<b>Std Dev</b>	<b>34.30</b>		<b>-1.000</b>
10	33.41		-0.136
<b>Median</b>	<b>33.27</b>		<b>0.000</b>
6	33.13		0.136
10	33.11		0.160
266	32.97		0.292

203 Photometric-AFPC 9-6			
Lab	%	P2O5	
78	36.55		-15.782
78	36.50		-15.553
<b>Std Dev</b>	<b>33.32</b>		<b>-1.000</b>
9	33.22		-0.527
30	33.19		-0.412
9	33.11		-0.046
60	33.10		0.000
<b>Median</b>	<b>33.10</b>		<b>0.000</b>
92	33.00		0.458
27	32.92		0.825
92	32.90		0.916
<b>Std Dev</b>	<b>32.88</b>		<b>1.000</b>
270	32.63		2.153
36	32.58		2.382

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
75	34.01		-4.171
75	33.56		-2.226
77	33.28		-1.037
<b>Std Dev</b>	<b>33.27</b>		<b>-1.000</b>
24	33.18		-0.605
13	33.04		0.000
24	33.04		0.000
<b>Median</b>	<b>33.04</b>		<b>0.000</b>
15	32.97		0.303
15	32.96		0.367
13	32.95		0.389

205 Other(describe)			
Lab	%	P2O5	

35	35.73		-10.229
<b>Std Dev</b>	<b>33.47</b>		<b>-1.000</b>
49	33.34		-0.450
51	33.30		-0.286
<b>Median</b>	<b>33.23</b>		<b>0.000</b>
51	33.16		0.286
<b>Std Dev</b>	<b>32.99</b>		<b>1.000</b>
237	32.95		1.146
19	32.18		4.296

211 Gravimetric AFPC 9-5			
Lab	%	P2O5	dB
26	33.74		-1.340
<b>Std Dev</b>	<b>33.69</b>		<b>-1.000</b>
<b>Median</b>	<b>33.52</b>		<b>0.000</b>
<b>Std Dev</b>	<b>33.36</b>		<b>1.000</b>
77	33.30		1.340

212 ICP-induced coupled plasma			
Lab	%	P2O5	dB
55	35.20		-1.744
55	34.96		-1.492
<b>Std Dev</b>	<b>34.49</b>		<b>-1.000</b>
10	33.70		-0.171
<b>Median</b>	<b>33.54</b>		<b>0.000</b>
10	33.38		0.171
6	33.37		0.181
266	33.07		0.498

213 Photometric-AFPC 9-6			
Lab	%	P2O5	dB
9	33.50		-2.510
<b>Std Dev</b>	<b>33.44</b>		<b>-1.000</b>
9	33.39		-0.075
<b>Median</b>	<b>33.39</b>		<b>0.000</b>
30	33.39		0.075
<b>Std Dev</b>	<b>33.34</b>		<b>1.000</b>
27	33.28		2.398

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
75	34.31		-7.008
75	33.85		-3.651
<b>Std Dev</b>	<b>33.49</b>		<b>-1.000</b>

24	33.46		-0.799
77	33.39		-0.317
13	33.35		0.000
<b>Median</b>	<b>33.35</b>		<b>0.000</b>
24	33.31		0.295
13	33.28		0.541
15	33.26		0.676
15	33.25		0.725

215 Other(describe)			
Lab	%	P2O5	dB
35	35.88		-4.368
<b>Std Dev</b>	<b>34.10</b>		<b>-1.000</b>
49	33.61		-0.069
<b>Median</b>	<b>33.58</b>		<b>0.000</b>
51	33.54		0.069
237	33.27		0.580

301 Atomic Absorption-AFPC 9-12,13			
Lab	%	Fe2O3	
27	1.07		-0.792
30	1.02		-0.244
36	1.00		0.000
<b>Median</b>	<b>1.00</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.92</b>		<b>1.000</b>
51	0.91		1.096
60	0.83		2.071

302 ICP-induced coupled plasma			
Lab	%	Fe2O3	
77	1.09		-2.612
77	1.09		-2.612
26	1.09		-2.504
266	1.07		-2.177
<b>Std Dev</b>	<b>1.02</b>		<b>-1.000</b>
55	1.01		-0.871
55	1.00		-0.653
51	0.99		-0.435
75	0.98		-0.251
6	0.98		-0.218
15	0.98		-0.218
92	0.98		-0.218
270	0.98		-0.218
75	0.97		-0.102

50	0.97	-0.067
15	0.97	0.000
<b>Median</b>	<b>0.97</b>	<b>0.000</b>
9	0.95	0.435
237	0.95	0.435
9	0.94	0.653
13	0.94	0.653
92	0.94	0.653
<b>Std Dev</b>	<b>0.92</b>	<b>1.000</b>
10	0.92	1.089
13	0.92	1.089
49	0.92	1.089
10	0.92	1.197
24	0.84	2.830
24	0.83	3.048
78	0.63	7.511
78	0.59	8.382
35	0.12	18.505

303 Other(describe)			
Lab	%	Fe2O3	
19	0.98	0.000	
<b>Median</b>	<b>0.98</b>	<b>0.000</b>	

401 Atomic Absorption-AFPC 9-16,17			
Lab	%	Al2O3	
30	1.29	-0.173	
27	1.26	-0.012	
<b>Median</b>	<b>1.25</b>	<b>0.000</b>	
51	1.25	0.012	
<b>Std Dev</b>	<b>1.04</b>	<b>1.000</b>	
36	0.14	5.118	

402 ICP-induced coupled plasma			
Lab	%	Al2O3	
266	1.44	-2.617	
26	1.35	-1.546	
77	1.35	-1.546	
77	1.34	-1.427	
237	1.34	-1.427	
24	1.33	-1.249	
24	1.32	-1.190	
51	1.31	-1.071	
<b>Std Dev</b>	<b>1.30</b>	<b>-1.000</b>	

55	1.30	-0.952
55	1.29	-0.833
270	1.26	-0.476
9	1.24	-0.238
92	1.23	-0.119
92	1.23	-0.119
<b>Median</b>	<b>1.22</b>	<b>0.000</b>
9	1.21	0.119
10	1.21	0.119
10	1.21	0.178
75	1.20	0.231
6	1.20	0.238
13	1.20	0.238
13	1.20	0.238
75	1.20	0.245
49	1.19	0.357
15	1.15	0.833
15	1.15	0.892
<b>Std Dev</b>	<b>1.14</b>	<b>1.000</b>
35	0.30	11.004
78	0.19	12.312
78	0.18	12.372

403 Other(describe)			
Lab	%	Al2O3	
19	1.47	0.000	
<b>Median</b>	<b>1.47</b>	<b>0.000</b>	

501 Atomic Absorption-AFPC 9-18,19			
Lab	%	MgO	
30	0.35	-2.680	
51	0.33	-1.340	
<b>Std Dev</b>	<b>0.32</b>	<b>-1.000</b>	
36	0.31	0.000	
60	0.31	0.000	
<b>Median</b>	<b>0.31</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.30</b>	<b>1.000</b>	
35	0.14	11.390	

502 ICP-induced coupled plasma			
Lab	%	MgO	
78	1.32	-59.692	
78	1.26	-56.000	
13	0.38	-1.846	

13	0.38	-1.846
92	0.38	-1.846
92	0.38	-1.846
<b>Std Dev</b>	<b>0.37</b>	<b>-1.000</b>
237	0.36	-0.615
50	0.36	-0.351
9	0.36	-0.308
26	0.36	-0.308
55	0.36	-0.308
55	0.36	-0.308
6	0.35	0.000
9	0.35	0.000
10	0.35	0.000
49	0.35	0.000
<b>Median</b>	<b>0.35</b>	<b>0.000</b>
10	0.35	0.308
15	0.34	0.615
77	0.34	0.615
15	0.34	0.923
24	0.34	0.923
24	0.34	0.923
<b>Std Dev</b>	<b>0.33</b>	<b>1.000</b>
51	0.33	1.231
77	0.33	1.231
266	0.32	1.846
75	0.30	3.326
75	0.29	3.525
270	0.25	6.154

503 Other(describe)			
Lab	%	MgO	
19	0.39	-1.340	
<b>Std Dev</b>	<b>0.39</b>	<b>-1.000</b>	
<b>Median</b>	<b>0.38</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.38</b>	<b>1.000</b>	
27	0.38	1.340	

601 Insoluble-AFPC 9-8			
Lab	%	Al	
55	13.90	-36.473	
55	4.25	-2.219	
26	4.04	-1.455	
51	4.02	-1.384	
<b>Std Dev</b>	<b>3.91</b>	<b>-1.000</b>	

9	3.85	-0.781
9	3.79	-0.568
24	3.68	-0.177
10	3.66	-0.124
<b>Median</b>	<b>3.63</b>	<b>0.000</b>
13	3.59	0.124
10	3.57	0.195
24	3.55	0.266
15	3.52	0.373
15	3.48	0.515
13	3.47	0.550
30	3.44	0.657
<b>Std Dev</b>	<b>3.34</b>	<b>1.000</b>
35	3.27	1.274

602 Other(describe)			
Lab	%	Al	
19	4.25	-1.371	
<b>Std Dev</b>	<b>4.16</b>	<b>-1.000</b>	
27	4.03	-0.471	
<b>Median</b>	<b>3.92</b>	<b>0.000</b>	
266	3.80	0.471	
<b>Std Dev</b>	<b>3.67</b>	<b>1.000</b>	
6	3.63	1.166	

701 Gravimetric sulfate			
Lab	%	CaO	
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	

702 ICP-induced coupled plasma			
Lab	%	CaO	
78	53.12	-5.092	
78	51.77	-3.615	
50	50.17	-1.865	
<b>Std Dev</b>	<b>49.38</b>	<b>-1.000</b>	
77	49.30	-0.913	
77	49.30	-0.913	
237	48.63	-0.175	
92	48.61	-0.159	
<b>Median</b>	<b>48.47</b>	<b>0.000</b>	
49	48.32	0.159	
10	48.22	0.273	
10	48.12	0.377	
6	48.06	0.443	

92	47.91	0.607
75	47.60	0.946
Std Dev	47.55	1.000
75	47.53	1.023

703 Ceric Sulfate volumetric			
Lab	%	CaO	
Median	0.00		0.000

704 Permanganate			
Lab	%	CaO	
27	48.26		-2.216
Std Dev	47.73		-1.000
30	47.30		0.000
Median	47.30		0.000
60	47.10		0.464

705 EDTA Volumetric			
Lab	%	CaO	
35	52.47		-3.511
55	50.48		-1.559
Std Dev	49.91		-1.000
55	49.60		-0.696
266	49.07		-0.177
Median	48.89		0.000
270	48.71		0.177
26	48.49		0.392
9	48.35		0.535
9	48.16		0.721

706 Other(describe)			
Lab	%	CaO	
24	48.96		-1.156
Std Dev	48.88		-1.000
24	48.70		-0.605
51	48.65		-0.497
13	48.52		-0.216
Median	48.42		0.000
13	48.32		0.216
19	48.10		0.692
Std Dev	47.96		1.000
15	47.87		1.189
15	47.85		1.243

711 Gravimetric sulfate				
Lab	%	CaO		dB
Median	0.00			0.000

712 ICP-induced coupled plasma				
Lab	%	CaO		dB
77	49.47			-1.612
77	49.34			-1.371
Std Dev	49.15			-1.000
237	49.10			-0.888
49	48.71			-0.144
10	48.64			0.000
Median	48.64			0.000
10	48.52			0.234
6	48.41			0.452
Std Dev	48.13			1.000
75	48.02			1.213
75	47.95			1.337

713 Ceric Sulfate volumetric				
Lab	%	CaO		dB
Median	0.00			0.000

714 Permanganate				
Lab	%	CaO		dB
27	48.78			-1.340
Std Dev	48.63			-1.000
Median	48.18			0.000
Std Dev	47.73			1.000
30	47.58			1.340

715 EDTA Volumetric				
Lab	%	CaO		dB
35	52.70			-3.332
55	50.71			-1.433
Std Dev	50.26			-1.000
55	49.76			-0.519
266	49.22			0.000
Median	49.22			0.000
26	48.92			0.289
9	48.76			0.439
9	48.58			0.615

716 Other(describe)				
Lab	%	CaO		dB
24	49.35			-0.916
24	49.11			-0.284
51	49.00			0.000
13	49.00			0.000
Median	49.00			0.000
13	48.77			0.586
Std Dev	48.61			1.000
15	48.30			1.810
15	48.26			1.907

801 Volumetric-AFPC 9-37			
Lab	%	Fluorine, F	
Median	0.00		0.000

802 Specific Ion Electrode			
Lab	%	Fluorine, F	
55	4.10		-1.693
35	4.09		-1.646
Std Dev	3.95		-1.000
9	3.90		-0.729
9	3.89		-0.705
49	3.86		-0.564
30	3.85		-0.517
51	3.79		-0.235
237	3.79		-0.235
24	3.76		-0.094
13	3.75		-0.047
13	3.74		0.000
Median	3.74		0.000
75	3.73		0.047
24	3.70		0.188
75	3.69		0.259
27	3.57		0.823
15	3.57		0.823
15	3.55		0.893
270	3.55		0.893
Std Dev	3.53		1.000
36	2.94		3.761
55	2.77		4.561
266	2.54		5.642

803 Other(describe)			
Lab	%	Fluorine, F	
77	3.90		-1.340
Std Dev	3.89		-1.000
Median	3.85		0.000
Std Dev	3.80		1.000
77	3.79		1.340

911 Atomic Absorption-AFPC 9-18,19			
Lab	ppm	Arsenic, As	
Median	0.0		0.000

912 ICP-induced coupled plasma			
Lab	ppm	Arsenic, As	
78	<1		0.000
78	<1		0.000
6	12.0		-2.552
266	10.5		-1.595
Std Dev	9.6		-1.000
55	9.2		-0.766
26	8.0		0.000
270	8.0		0.000
Median	8.0		0.000
55	7.5		0.319
24			1.436

913 Other(describe)			
Lab	ppm	Arsenic, As	
13	7.9		-1.340
Std Dev	7.6		-1.000
Median	6.9		0.000
Std Dev	6.2		1.000
51	6.0		1.340

921 Atomic Absorption-AFPC 9-12,13			
Lab	ppm	Cadmium, Cd	
27	10		-1.340
Std Dev	10		-1.000
Median	9		0.000
Std Dev	8		1.000
51	8		1.340

922 ICP-induced coupled plasma			
Lab	ppm	Cadmium, Cd	

78	<1	0.000
78	<1	0.000
55	8	-3.829
6	8	-1.914
55	7	-1.531
Std Dev	7	-1.000
237	7	-0.766
26	7	0.000
75	7	0.000
75	7	0.000
77	7	0.000
77	7	0.000
Median	7	0.000
Std Dev	7	1.000
270	7	1.531
266	7	1.838
51		1.914

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	8	0.000
Median	8	0.000

931 Atomic Absorption-AFPC 9-16,17		
Lab	ppm	Cobalt, Co
Median	0	0.000

932 ICP-induced coupled plasma		
Lab	ppm	Cobalt, Co
50	11	-2.508
266	9	-1.501
Std Dev	8	-1.000
6	8	-0.643
55	8	-0.643
55	8	-0.572
270	7	-0.107
51	7	0.000
75	7	0.000
75	7	0.000
Median	7	0.000
77	6	0.715
77	6	0.715
237	6	0.858
Std Dev	6	1.000

78	5	1.787
78	5	1.787
933 Other(describe)		
Lab	ppm	Cobalt, Co
27	21	-1.340
Std Dev	19	-1.000
Median	15	0.000
Std Dev	10	1.000
13	8	1.340

941 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Mercury, Hg
Median	0.0	0.000

942 ICP-induced coupled plasma		
Lab	ppm	Mercury, Hg
266	0.2	0.000
Median	0.2	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	<0.07	0.000
Median	0.0	0.000

951 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	lolybdenum, Mo
Median	0	0.000

952 ICP-induced coupled plasma		
Lab	ppm	lolybdenum, Mo
78	<1	0.000
78	<1	0.000
6	346	#####
Std Dev	23	-1.000
270	22	-0.740
50	22	-0.528
55	21	-0.247
55	21	-0.049
Median	21	0.000
266	20	0.049
51	20	0.494
Std Dev	18	1.000
237	18	1.012

77	16	2.221
77		2.221
953 Other(describe)		
Lab	ppm	Molybdenum, Mo
13	20	0.000
Median	20	0.000

961 Atomic Absorption-AFPC 9-12,13		
Lab	ppm	Nickel, Ni
27	31	0.000
Median	31	0.000

962 ICP-induced coupled plasma		
Lab	ppm	Nickel, Ni
266	38	-4.755
55	22	-1.297
55	20	-1.059
Std Dev	20	-1.000
270	19	-0.756
6	18	-0.540
51	17	-0.324
237	16	-0.011
75	16	0.000
Median	16	0.000
75	15	0.108
77	13	0.540
77	13	0.540
24	12	0.843
24	11	0.886
Std Dev	11	1.000
78	5	2.269
78	5	2.377

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	57	-1.340
Std Dev	52	-1.000
Median	38	0.000
Std Dev	25	1.000
13	20	1.340

971 Atomic Absorption-AFPC 9-16,17		
Lab	ppm	Lead, Pb

27	27	-1.340
Std Dev	25	-1.000
Median	19	0.000
Std Dev	13	1.000
51	11	1.340

972 ICP-induced coupled plasma		
Lab	ppm	Lead, Pb
78	31	-3.407
78	29	-3.066
55	21	-1.181
Std Dev	20	-1.000
55	19	-0.818
237	17	-0.261
270	16	0.000
Median	16	0.000
266	15	0.045
6	14	0.341
26	14	0.341
Std Dev	11	1.000
77	8	1.703
77	8	1.703

973 Other(describe)		
Lab	ppm	Lead, Pb
13	15	0.000
Median	15	0.000

981 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Selenium, Se
Median	0	0.000

982 ICP-induced coupled plasma		
Lab	ppm	Selenium, Se
266	4	-1.452
Std Dev	3	-1.000
270	2	-0.558
Median	1	0.000
55	0	0.558
55	0	0.558

983 Other(describe)		
Lab	ppm	Selenium, Se
13	2	0.000

Median	2	0.000
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991 Atomic Absorption-AFPC 9-18,19		
Lab	ppm	Zinc, Zn
27	89	-3.003
Std Dev	82	-1.000
60	79	-0.262
Median	78	0.000
19	77	0.262
51	75	0.786

992 ICP-induced coupled plasma		
Lab	ppm	Zinc, Zn
50	119	-1.895
6	116	-1.766
24	106	-1.251
24	105	-1.174
Std Dev	101	-1.000
270	92	-0.504
75	88	-0.298
75	84	-0.117
55	83	-0.089
Median	82	0.000
51	80	0.089
55	79	0.151
266	73	0.434
237	70	0.604
77	65	0.862
77	64	0.914
Std Dev	62	1.000
78	5	3.954
78	4	4.006

993 Other(describe)		
Lab	ppm	Zinc, Zn
13	82	0.000
Median	82	0.000