

# AFPC Rock Check Program

Sample No. 2012-09

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	27	0.97	0.080
Other (describe)	102	2	0.88	0.015
Method Group 100		29	0.96	0.09
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	2	31.49	0.112
ICP-induced coupled plasma AFPC IX.3.D	202	6	31.41	0.071
Photometric-AFPC IX.3.C	203	16	31.51	0.145
Automated -AOAC 978.01-15th	204	11	31.37	0.132
Other(describe)	205	3	31.47	0.407
Method Group 200		38	31.43	0.16
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	31.63	0.110
ICP-induced coupled plasma AFPC IX.3.D	212	5	31.73	0.041
Photometric-AFPC IX.3.C	213	9	31.87	0.140
Automated -AOAC 978.01-15th	214	11	31.69	0.144
Other(describe)	215	2	32.18	0.250
Method Group 210		29	31.73	0.12
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	4	0.97	0.025
ICP-induced coupled plasma-AFPC IX.6.C	302	29	0.98	0.048
Other(describe)	303	5	1.12	0.254
Method Group 300		38	0.98	0.05
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	1.20	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	28	1.35	0.097
Other(describe)	403	5	1.60	0.291
Method Group 400		34	1.36	0.16
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	6	0.36	0.020
ICP-induced coupled plasma-AFPC IX.8.B	502	27	0.37	0.018
Other(describe)	503	4	0.37	0.032
Method Group 500		37	0.37	0.02
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	20	8.39	0.156
Other(describe)	602	3	8.13	0.552
Method Group 600		23	8.37	0.28
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	11	3.46	0.220
Other(describe)	652	11	3.48	0.743
Method Group 650		22	3.47	0.36
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701	1	45.64	0.000
ICP-induced coupled plasma-AFPC IX.12.D	702	19	45.41	0.181
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	4	46.76	1.284
EDTA Volumetric-AFPC IX.12.C	705	3	45.27	0.295
Other(describe)	706	9	45.49	0.474
Method Group 700		36	45.42	0.25
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711	1	46.09	0.000
ICP-induced coupled plasma-AFPC IX.12.D	712	13	45.77	0.108
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	47.24	1.985
EDTA Volumetric-AFPC IX.12.C	715	3	45.77	0.225
Other(describe)	716	8	45.91	0.275
Method Group 710		28	45.83	0.21

	Method #	# of Anal.	Grand Median	Std Dev
<b>Fluorine, F</b>				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	20	3.53	0.128
Other( describe)	803	3	3.80	0.067
Method Group 800		23	3.53	0.14
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	9	7.0	2.35
Other(describe)	913	2	4.5	2.27
Method Group 900		11	7.0	2.11
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	12	7	1.7
Other(describe)	923	2	6	1.1
Method Group 910		14	7	1.5
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	13	5	0.7
Other(describe)	933	1	6	0.0
Method Group 920		14	5	0.8
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	1	0.0	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	4	0.1	0.11
Other(describe)	943			
Method Group 930		5	0.0	0.11
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	8	6	1.7
Other(describe)	953	1	7	0.0
Method Group 940		9	7	2.0
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	11	28	2.1
Other(describe)	963	3	35	3.6
Method Group 950		14	28	2.9
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	10	9	3.0
Other(describe)	973	1	10	0.0
Method Group 960		11	9	2.9
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	1	5	0.0
Other(describe)	983	1	2	0.0
Method Group 970		2	3	0.8
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	112	0
ICP-induced coupled plasma-AFPC IX.16.A	992	11	91	6
Other(describe)	993	3	98	7
Method Group 980		15	92	9

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	

69	1.19		-2.742
266	1.10		-1.620
35	1.09		-1.496
24	1.06		-1.060
<b>Std Dev</b>	<b>1.05</b>		<b>-1.000</b>
24	1.05		-0.935
15	1.04		-0.810
15	1.03		-0.748
21	1.03		-0.686
13	1.02		-0.561
49	1.01		-0.499
13	0.99		-0.249
9	0.98		-0.125
301	0.98		-0.125
16	0.97		0.000
<b>Median</b>	<b>0.97</b>		<b>0.000</b>

9	0.96		0.125
30	0.96		0.125
10	0.95		0.312
6	0.94		0.374
16	0.94		0.374
10	0.94		0.436
75	0.91		0.810
<b>Std Dev</b>	<b>0.89</b>		<b>1.000</b>
75	0.87		1.247
21	0.79		2.244
35	0.68		3.615
77	0.48		6.108
241	0.46		6.357
77	0.44		6.607

102 Other (describe)			
Lab	%	H <sub>2</sub> O	

275	0.90		-1.340
<b>Std Dev</b>	<b>0.89</b>		<b>-1.000</b>
<b>Median</b>	<b>0.88</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.87</b>		<b>1.000</b>
280	0.86		1.340

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	

77	31.64		-1.340
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<b>Std Dev</b>	<b>31.60</b>		<b>-1.000</b>
<b>Median</b>	<b>31.49</b>		<b>0.000</b>
<b>Std Dev</b>	<b>31.38</b>		<b>1.000</b>
241	31.34		1.340

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	

10	31.48		-0.987
10	31.45		-0.564
16	31.43		-0.353
<b>Median</b>	<b>31.41</b>		<b>0.000</b>
16	31.38		0.353
6	31.34		0.987
<b>Std Dev</b>	<b>31.33</b>		<b>1.000</b>
266	30.85		7.828

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	

35	32.00		-3.389
275	31.70		-1.314
<b>Std Dev</b>	<b>31.65</b>		<b>-1.000</b>
35	31.65		-0.968
301	31.60		-0.622
301	31.59		-0.553
270	31.58		-0.456
49	31.55		-0.277
60	31.55		-0.277
<b>Median</b>	<b>31.51</b>		<b>0.000</b>

30	31.47		0.277
9	31.42		0.622
6	31.42		0.657
92	31.40		0.761
9	31.40		0.795
<b>Std Dev</b>	<b>31.37</b>		<b>1.000</b>
78	31.32		1.314
92	31.30		1.452
78	31.29		1.556

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	

15	31.60		-1.774
15	31.52		-1.132
<b>Std Dev</b>	<b>31.50</b>		<b>-1.000</b>
21	31.48		-0.868

13	31.45		-0.642
24	31.39		-0.189
21	31.37		0.000
<b>Median</b>	<b>31.37</b>		<b>0.000</b>
77	31.34		0.189
13	31.31		0.453
75	31.27		0.717
<b>Std Dev</b>	<b>31.23</b>		<b>1.000</b>
24	31.23		1.057
75	31.14		1.699

205 Other(describe)			
Lab	%	P2O5	

280	32.24		-1.893
<b>Std Dev</b>	<b>31.88</b>		<b>-1.000</b>
69	31.47		0.000
<b>Median</b>	<b>31.47</b>		<b>0.000</b>
19	31.15		0.787

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB

77	31.78		-1.340
<b>Std Dev</b>	<b>31.74</b>		<b>-1.000</b>
<b>Median</b>	<b>31.63</b>		<b>0.000</b>
<b>Std Dev</b>	<b>31.52</b>		<b>1.000</b>
241	31.48		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB

10	31.78		-1.158
<b>Std Dev</b>	<b>31.77</b>		<b>-1.000</b>
10	31.74		-0.333
16	31.73		0.000
<b>Median</b>	<b>31.73</b>		<b>0.000</b>
<b>Std Dev</b>	<b>31.69</b>		<b>1.000</b>
16	31.69		1.007
266	31.19		13.177

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB

35	32.35		-3.460
<b>Std Dev</b>	<b>32.01</b>		<b>-1.000</b>
275	31.99		-0.863
301	31.91		-0.328

49	31.87		-0.037
35	31.87		0.000
<b>Median</b>	<b>31.87</b>		<b>0.000</b>
30	31.78		0.653
<b>Std Dev</b>	<b>31.73</b>		<b>1.000</b>
9	31.72		1.012
6	31.71		1.094
9	31.71		1.146

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB

15	31.93		-1.665
15	31.84		-1.078
<b>Std Dev</b>	<b>31.83</b>		<b>-1.000</b>
13	31.76		-0.520
21	31.73		-0.285
24	31.72		-0.243
21	31.69		0.000
<b>Median</b>	<b>31.69</b>		<b>0.000</b>

13	31.63		0.444
75	31.56		0.935
24	31.55		0.941
<b>Std Dev</b>	<b>31.55</b>		<b>1.000</b>
77	31.49		1.384
75	31.41		1.926

215 Other(describe)			
Lab	%	P2O5	dB

280	32.52		-1.340
<b>Std Dev</b>	<b>32.43</b>		<b>-1.000</b>
<b>Median</b>	<b>32.18</b>		<b>0.000</b>
<b>Std Dev</b>	<b>31.93</b>		<b>1.000</b>
69	31.85		1.340

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

241	1.02		-1.911
<b>Std Dev</b>	<b>1.00</b>		<b>-1.000</b>
30	0.98		-0.296
<b>Median</b>	<b>0.97</b>		<b>0.000</b>
60	0.97		0.296
<b>Std Dev</b>	<b>0.95</b>		<b>1.000</b>
275	0.93		1.675

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
266	1.40	-8.703	
78	1.17	-3.937	
78	1.16	-3.626	
69	1.14	-3.315	
35	1.04	-1.243	
35	1.03	-1.036	
<b>Std Dev</b>	<b>1.03</b>	<b>-1.000</b>	
270	1.03	-0.932	
75	1.02	-0.926	
75	1.01	-0.657	
6	1.00	-0.414	
15	1.00	-0.414	
13	1.00	-0.311	
9	0.99	-0.207	
9	0.98	0.000	
15	0.98	0.000	
16	0.98	0.000	
92	0.98	0.000	
<b>Median</b>	<b>0.98</b>	<b>0.000</b>	
49	0.97	0.207	
92	0.97	0.207	
10	0.97	0.311	
10	0.97	0.311	
13	0.96	0.414	
16	0.95	0.622	
<b>Std Dev</b>	<b>0.93</b>	<b>1.000</b>	
24	0.93	1.036	
24	0.91	1.451	
275	0.89	1.865	
50	0.89	1.923	
21	0.83	3.108	
21	0.57	8.600	

  

303 Other(describe)			
Lab	%	Fe2O3	
77	1.38	-1.025	
<b>Std Dev</b>	<b>1.37</b>	<b>-1.000</b>	
77	1.32	-0.788	
19	1.12	0.000	
<b>Median</b>	<b>1.12</b>	<b>0.000</b>	
301	0.98	0.552	
280	0.91	0.828	

401 Atomic Absorption-AFPC IX.6.B			
Lab	%	Al2O3	
30	1.20	0.000	
<b>Median</b>	<b>1.20</b>	<b>0.000</b>	

402 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Al2O3	
266	1.85	-5.180	
78	1.66	-3.170	
78	1.65	-3.118	
69	1.58	-2.345	
24	1.55	-2.087	
24	1.55	-2.036	
35	1.50	-1.572	
35	1.45	-1.057	
<b>Std Dev</b>	<b>1.44</b>	<b>-1.000</b>	
92	1.43	-0.850	
92	1.41	-0.644	
275	1.39	-0.438	
75	1.38	-0.295	
13	1.38	-0.283	
9	1.35	-0.026	
<b>Median</b>	<b>1.35</b>	<b>0.000</b>	
10	1.35	0.026	
75	1.34	0.032	
16	1.34	0.077	
16	1.34	0.077	
9	1.34	0.129	
15	1.34	0.129	
15	1.34	0.129	
6	1.33	0.232	
10	1.33	0.232	
49	1.32	0.283	
21	1.32	0.335	
13	1.31	0.438	
270	1.26	0.902	
<b>Std Dev</b>	<b>1.25</b>	<b>1.000</b>	
21	1.02	3.376	

403 Other(describe)			
Lab	%	Al2O3	
77	1.94	-1.168	
77	1.92	-1.099	

<b>Std Dev</b>	<b>1.89</b>	<b>-1.000</b>	
19	1.60	0.000	
<b>Median</b>	<b>1.60</b>	<b>0.000</b>	
301	1.53	0.241	
<b>Std Dev</b>	<b>1.31</b>	<b>1.000</b>	
280	0.71	3.058	

501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
30	0.40	-2.170	
<b>Std Dev</b>	<b>0.38</b>	<b>-1.000</b>	
275	0.37	-0.638	
241	0.37	-0.383	
<b>Median</b>	<b>0.36</b>	<b>0.000</b>	
60	0.35	0.383	
35	0.34	0.893	
<b>Std Dev</b>	<b>0.34</b>	<b>1.000</b>	
35	0.29	3.446	

502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
69	0.46	-5.249	
13	0.45	-4.421	
92	0.41	-2.487	
92	0.40	-1.934	
50	0.38	-1.039	
<b>Std Dev</b>	<b>0.38</b>	<b>-1.000</b>	
13	0.38	-0.829	
49	0.38	-0.829	
24	0.38	-0.553	
15	0.37	-0.276	
16	0.37	-0.276	
16	0.37	-0.276	
24	0.37	-0.276	
78	0.37	-0.276	
10	0.37	0.000	
15	0.37	0.000	
78	0.37	0.000	
<b>Median</b>	<b>0.37</b>	<b>0.000</b>	
6	0.36	0.276	
9	0.36	0.276	
9	0.36	0.276	
10	0.36	0.276	
<b>Std Dev</b>	<b>0.35</b>	<b>1.000</b>	

270	0.35	1.022	
75	0.33	1.694	
21	0.33	1.934	
275	0.33	1.934	
75	0.33	2.093	
266	0.28	4.697	
21	0.24	7.184	

503 Other(describe)			
Lab	%	MgO	
19	0.38	-0.315	
77	0.37	0.000	
77	0.37	0.000	
<b>Median</b>	<b>0.37</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0.34</b>	<b>1.000</b>	
280	0.21	5.045	

601 Insoluble-AFPC IX.4.A			
Lab	%	Al	
69	9.75	-8.762	
24	8.59	-1.316	
24	8.59	-1.316	
<b>Std Dev</b>	<b>8.54</b>	<b>-1.000</b>	
10	8.53	-0.931	
16	8.49	-0.674	
9	8.45	-0.385	
49	8.44	-0.353	
10	8.40	-0.096	
16	8.40	-0.096	
35	8.40	-0.096	
<b>Median</b>	<b>8.39</b>	<b>0.000</b>	
30	8.37	0.096	
35	8.36	0.160	
9	8.34	0.321	
15	8.33	0.353	
15	8.31	0.481	
<b>Std Dev</b>	<b>8.23</b>	<b>1.000</b>	
13	8.06	2.086	
13	8.00	2.503	
6	7.81	3.723	
21	7.43	6.130	
21	7.01	8.858	

602 Other(describe)			
Lab	%	AI	
266	9.25		-2.028
<b>Std Dev</b>	<b>8.68</b>		<b>-1.000</b>

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
9	3.77		-1.408
9	3.77		-1.408
<b>Std Dev</b>	<b>3.68</b>		<b>-1.000</b>
77	3.64		-0.818
49	3.59		-0.591
275	3.58		-0.545
13	3.46		0.000
<b>Median</b>	<b>3.46</b>		<b>0.000</b>
69	3.43		0.159
13	3.37		0.432
15	3.28		0.840
15	3.25		0.954
<b>Std Dev</b>	<b>3.24</b>		<b>1.000</b>
30	2.90		2.544

652 Other(describe)			
Lab	%	CO2	
35	7.95		-6.027
35	7.51		-5.434
<b>Std Dev</b>	<b>4.22</b>		<b>-1.000</b>
301	4.09		-0.828
301	4.08		-0.815
21	3.53		-0.067
21	3.48		0.000
<b>Median</b>	<b>3.48</b>		<b>0.000</b>
24	3.35		0.168
266	3.16		0.424
280	3.02		0.613
<b>Std Dev</b>	<b>2.73</b>		<b>1.000</b>
78	2.40		1.448
78	2.26		1.643

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
301	45.64		0.000
<b>Median</b>	<b>45.64</b>		<b>0.000</b>

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
270	47.28		-10.361
78	45.65		-1.326
<b>Std Dev</b>	<b>45.59</b>		<b>-1.000</b>

69	45.58		-0.939
92	45.56		-0.856
21	45.55		-0.801
50	45.50		-0.525
92	45.45		-0.249
10	45.42		-0.055
49	45.41		-0.028
10	45.41		0.000
<b>Median</b>	<b>45.41</b>		<b>0.000</b>
9	45.39		0.083
16	45.32		0.470
16	45.30		0.580
21	45.30		0.580
78	45.27		0.774
9	45.26		0.829
<b>Std Dev</b>	<b>45.22</b>		<b>1.000</b>
75	45.00		2.221
6	44.92		2.680
75	44.84		3.150

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

704 Permanganate			
Lab	%	CaO	
280	50.29		-2.750
<b>Std Dev</b>	<b>48.04</b>		<b>-1.000</b>
241	47.02		-0.203
<b>Median</b>	<b>46.76</b>		<b>0.000</b>
60	46.50		0.203
<b>Std Dev</b>	<b>45.48</b>		<b>1.000</b>
30	44.97		1.395

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
35	45.57		-1.018
<b>Std Dev</b>	<b>45.56</b>		<b>-1.000</b>
35	45.27		0.000

<b>Median</b>	<b>45.27</b>		<b>0.000</b>
<b>Std Dev</b>	<b>44.98</b>		<b>1.000</b>
266	44.78		1.662

706 Other(describe)			
Lab	%	CaO	
24	45.78		-0.623
24	45.73		-0.506
77	45.70		-0.454
77	45.50		-0.032
15	45.49		0.000
<b>Median</b>	<b>45.49</b>		<b>0.000</b>
15	45.43		0.116
13	45.07		0.886
<b>Std Dev</b>	<b>45.01</b>		<b>1.000</b>
19	45.00		1.023
13	44.87		1.308

711 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	dB
301	46.09		0.000
<b>Median</b>	<b>46.09</b>		<b>0.000</b>

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
69	46.12		-3.270
21	45.91		-1.323
<b>Std Dev</b>	<b>45.88</b>		<b>-1.000</b>
49	45.87		-0.960
10	45.85		-0.729
10	45.83		-0.594
9	45.83		-0.561
21	45.77		0.000
<b>Median</b>	<b>45.77</b>		<b>0.000</b>
16	45.75		0.176
16	45.74		0.234
9	45.70		0.611
<b>Std Dev</b>	<b>45.66</b>		<b>1.000</b>
75	45.41		3.273
6	45.35		3.898
75	45.23		4.983

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

<b>Median</b>	<b>0.00</b>		<b>0.000</b>
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714 Permanganate			
Lab	%	CaO	dB
280	50.73		-1.757
<b>Std Dev</b>	<b>49.22</b>		<b>-1.000</b>
241	47.24		0.000
<b>Median</b>	<b>47.24</b>		<b>0.000</b>
30	45.41		0.923

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
35	45.88		-0.502
35	45.77		0.000
<b>Median</b>	<b>45.77</b>		<b>0.000</b>
<b>Std Dev</b>	<b>45.54</b>		<b>1.000</b>
266	45.28		2.178

716 Other(describe)			
Lab	%	CaO	dB
24	46.26		-1.278
24	46.21		-1.093
<b>Std Dev</b>	<b>46.19</b>		<b>-1.000</b>
15	45.96		-0.178
77	45.92		-0.032
<b>Median</b>	<b>45.91</b>		<b>0.000</b>
15	45.90		0.032
77	45.70		0.765
<b>Std Dev</b>	<b>45.64</b>		<b>1.000</b>
13	45.52		1.438
13	45.33		2.130

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

802 Specific Ion Electrode-AFPC IX.14.B			
Lab	%	Fluorine, F	
35	4.46		-7.316
35	3.90		-2.934
24	3.68		-1.213
<b>Std Dev</b>	<b>3.65</b>		<b>-1.000</b>
24	3.65		-0.939
9	3.63		-0.822

9	3.63	-0.782
69	3.60	-0.548
30	3.56	-0.274
49	3.53	-0.039
275	3.53	-0.039
<b>Median</b>	<b>3.53</b>	<b>0.000</b>
13	3.52	0.039
21	3.50	0.196
270	3.50	0.196
13	3.48	0.352
21	3.47	0.469
15	3.43	0.782
15	3.40	0.978
<b>Std Dev</b>	<b>3.40</b>	<b>1.000</b>
266	3.29	1.839
75	3.19	2.621
75	3.18	2.739

803 Other( describe)		
Lab	%	Fluorine, F
77	3.90	-1.489
<b>Std Dev</b>	<b>3.87</b>	<b>-1.000</b>
19	3.80	0.000
<b>Median</b>	<b>3.80</b>	<b>0.000</b>
<b>Std Dev</b>	<b>3.73</b>	<b>1.000</b>
77	3.72	1.191

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
78	11.0	-1.702
78	10.0	-1.276
<b>Std Dev</b>	<b>9.4</b>	<b>-1.000</b>
270	8.2	-0.489
266	7.1	-0.043
69	7.0	0.000
<b>Median</b>	<b>7.0</b>	<b>0.000</b>
24	5.6	0.596
24	5.0	0.851
35	5.0	0.851
35	5.0	0.851

913 Other( describe)		
Lab	ppm	Arsenic, As
13	7.5	-1.340
<b>Std Dev</b>	<b>6.7</b>	<b>-1.000</b>
<b>Median</b>	<b>4.5</b>	<b>0.000</b>
<b>Std Dev</b>	<b>2.2</b>	<b>1.000</b>
21	1.4	1.340

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

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
77	9	-1.114
78	9	-1.114
78	9	-1.114
<b>Std Dev</b>	<b>9</b>	<b>-1.000</b>
77	8	-0.519
270	7	-0.161
75	7	-0.001
<b>Median</b>	<b>7</b>	<b>0.000</b>
75	7	0.001
275	7	0.375
35	6	0.673
35	6	0.673
69	6	0.821
266	6	0.905

923 Other( describe)		
Lab	ppm	Cadmium, Cd
13	8	-1.340
<b>Std Dev</b>	<b>8</b>	<b>-1.000</b>
<b>Median</b>	<b>6</b>	<b>0.000</b>
<b>Std Dev</b>	<b>5</b>	<b>1.000</b>
19	5	1.340

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

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co

78	9	-6.030
78	9	-6.030
<b>Std Dev</b>	<b>5</b>	<b>-1.000</b>
270	5	-0.737
77	5	-0.670
77	5	-0.670
266	5	-0.536
69	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>
75	4	0.580
75	4	0.632
35	4	0.670
35	4	0.670
50	4	0.797
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>
24	2	3.752

933 Other( describe)		
Lab	ppm	Cobalt, Co
13	6	0.000
<b>Median</b>	<b>6</b>	<b>0.000</b>

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
275	0.0	0.000
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
69	<0.5	0.000
270	0.2	-0.784
266	0.1	-0.654
<b>Median</b>	<b>0.1</b>	<b>0.000</b>
35	0.0	0.654
35	0.0	0.654

943 Other( describe)		
Lab	ppm	Mercury, Hg
13	<0.09	0.000
<b>Median</b>	<b>0.0</b>	<b>0.000</b>

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Molybdenum, Mo
<b>Median</b>	<b>0</b>	<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
69	<0.5	0.000
50	8	-0.923
270	7	-0.639
266	7	-0.209
78	7	-0.145
<b>Median</b>	<b>6</b>	<b>0.000</b>
78	6	0.145
24	5	0.929
<b>Std Dev</b>	<b>5</b>	<b>1.000</b>
77	4	1.307
77	4	1.307

953 Other( describe)		
Lab	ppm	Iolybdenum, Mo
13	7	0.000
<b>Median</b>	<b>7</b>	<b>0.000</b>

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

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
266	32	-2.029
77	31	-1.640
77	31	-1.640
<b>Std Dev</b>	<b>30</b>	<b>-1.000</b>
270	28	-0.178
75	28	-0.115
75	28	0.000
<b>Median</b>	<b>28</b>	<b>0.000</b>
69	28	0.066
78	27	0.309
78	27	0.553
<b>Std Dev</b>	<b>26</b>	<b>1.000</b>
35	24	1.771
35	22	2.746

963 Other( describe)		
Lab	ppm	Nickel, Ni
19	39	-1.099

Std Dev	39	-1.000
19	35	0.000
Median	35	0.000
Std Dev	31	1.000
13	29	1.581

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

972	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Lead, Pb
69	<0.5	0.000
270	12	-1.028
35	12	-1.011
Std Dev	12	-1.000
266	11	-0.742
35	10	-0.337
77	9	0.000
77	9	0.000
Median	9	0.000
78	7	0.674
275	7	0.708
78	7	0.843
Std Dev	6	1.000
24	5	1.517

973	Other(describe)	
Lab	ppm	Lead, Pb
13	10	0.000
Median	10	0.000

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

982	ICP-induc coupled plasma-AFPC IX.16.A	
Lab	ppm	Selenium, Se
69	<0.5	0.000
266	5	0.000
Median	5	0.000

983	Other(describe)	
Lab	ppm	Selenium, Se

13	2	0.000
Median	2	0.000

991	Atomic Absorption-AFPC IX.16.B	
Lab	ppm	Zinc, Zn
60	112	0.000
Median	112	0.000

992	ICP-induced coupled plasma-AFPC IX.16.A	
Lab	ppm	Zinc, Zn
50	103	-1.980
Std Dev	97	-1.000
69	93	-0.273
75	92	-0.212
77	92	-0.194
77	91	-0.038
75	91	0.000
Median	91	0.000
78	87	0.667
Std Dev	84	1.000
78	84	1.059
35	83	1.215
266	81	1.513
35	32	9.202

993	Other(describe)	
Lab	ppm	Zinc, Zn
19	116	-2.602
Std Dev	105	-1.000
13	98	0.000
Median	98	0.000
19	97	0.078