

# AFPC Rock Check Program

Sample No. 2016-06

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	27	1.01	0.119
Other (describe)	102	2	0.43	0.019
<b>Method Group 100</b>		<b>29</b>	<b>1.01</b>	<b>0.12</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	3	33.22	0.093
ICP-induced coupled plasma AFPC IX.3.D	202	3	33.09	0.325
Photometric-AFPC IX.3.C	203	15	33.04	0.062
Automated -AOAC 978.01-15th	204	12	33.00	0.133
Other(describe)	205	2	35.13	0.108
<b>Method Group 200</b>		<b>35</b>	<b>33.05</b>	<b>0.10</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	33.34	0.085
ICP-induced coupled plasma AFPC IX.3.D	212	3	33.43	0.324
Photometric-AFPC IX.3.C	213	10	33.36	0.039
Automated -AOAC 978.01-15th	214	12	33.37	0.225
Other(describe)	215	2	35.27	0.115
<b>Method Group 210</b>		<b>29</b>	<b>33.39</b>	<b>0.07</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	3	1.04	0.060
ICP-induced coupled plasma-AFPC IX.6.C	302	26	1.10	0.039
Other(describe)	303	5	1.10	0.840
<b>Method Group 300</b>		<b>34</b>	<b>1.10</b>	<b>0.07</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	1.24	0.123
ICP-induced coupled plasma-AFPC IX.7.C	402	26	1.43	0.122
Other(describe)	403	5	1.53	0.336
<b>Method Group 400</b>		<b>33</b>	<b>1.43</b>	<b>0.13</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	5	0.34	0.037
ICP-induced coupled plasma-AFPC IX.8.B	502	24	0.35	0.005
Other(describe)	503	5	0.37	0.030
<b>Method Group 500</b>		<b>34</b>	<b>0.35</b>	<b>0.01</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	17	3.10	0.194
Other(describe)	602	3	3.20	0.138
<b>Method Group 600</b>		<b>20</b>	<b>3.12</b>	<b>0.16</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	15	3.56	0.088
Other(describe)	652	10	3.77	1.250
<b>Method Group 650</b>		<b>25</b>	<b>3.60</b>	<b>0.12</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	20	47.72	0.136
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	47.52	0.123
EDTA Volumetric-AFPC IX.12.C	705	3	48.09	0.056
Other(describe)	706	9	48.03	0.496
<b>Method Group 700</b>		<b>34</b>	<b>47.77</b>	<b>0.31</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	16	48.23	0.321
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	48.12	0.000
EDTA Volumetric-AFPC IX.12.C	715	3	48.50	0.075
Other(describe)	716	8	48.45	0.853
<b>Method Group 710</b>		<b>27</b>	<b>48.24</b>	<b>0.20</b>

	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	21	3.73	0.082
Other (describe)	803	5	3.62	0.313
<b>Method Group 800</b>		<b>26</b>	<b>3.70</b>	<b>0.11</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	7.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	11	9.0	3.13
Other(describe)	913	3	8.1	2.75
<b>Method Group 900</b>		<b>15</b>	<b>8.4</b>	<b>2.95</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	7	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	14	6	0.7
Other(describe)	923	4	11	5.3
<b>Method Group 910</b>		<b>19</b>	<b>6</b>	<b>0.8</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	3	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	13	3	0.8
Other(describe)	933	2	2	0.9
<b>Method Group 920</b>		<b>16</b>	<b>3</b>	<b>0.6</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	1	0.2	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	3	1.0	0.33
Other(describe)	943	2	0.7	0.50
<b>Method Group 930</b>		<b>6</b>	<b>0.6</b>	<b>0.65</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	9	6	1.2
Other(describe)	953	2	3	2.0
<b>Method Group 940</b>		<b>12</b>	<b>6</b>	<b>1.4</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	14	8	0.7
Other(describe)	963	4	28	27.9
<b>Method Group 950</b>		<b>19</b>	<b>9</b>	<b>1.3</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	11	14	4.0
Other(describe)	973	4	5	2.4
<b>Method Group 960</b>		<b>16</b>	<b>13</b>	<b>5.0</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	3	1	1.2
Other(describe)	983	2	25	16.8
<b>Method Group 970</b>		<b>6</b>	<b>3</b>	<b>2.0</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	74	7
ICP-induced coupled plasma-AFPC IX.16.A	992	14	66	4
Other(describe)	993	4	83	38
<b>Method Group 980</b>		<b>20</b>	<b>66</b>	<b>9</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
75	1.18		-1.424
21	1.17		-1.340
75	1.15		-1.131
<b>Std Dev</b>	<b>1.13</b>		<b>-1.000</b>
6	1.11		-0.837
13	1.10		-0.754
24	1.10		-0.754
13	1.09		-0.670
24	1.07		-0.461
49	1.06		-0.419
26	1.05		-0.335
15	1.05		-0.293
9	1.04		-0.209
10	1.03		-0.168
10	1.01		0.000
21	1.01		0.000
<b>Median</b>	<b>1.01</b>		<b>0.000</b>
61	1.00		0.084
266	1.00		0.084
6	0.98		0.251
9	0.95		0.544
61	0.93		0.712
30	0.91		0.837
35	0.90		0.921
<b>Std Dev</b>	<b>0.89</b>		<b>1.000</b>
35	0.84		1.424
52	0.58		3.601
55	0.53		4.020
77	0.46		4.606
77	0.29		6.030

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
20	0.45		-1.340
<b>Std Dev</b>	<b>0.44</b>		<b>-1.000</b>
<b>Median</b>	<b>0.43</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.41</b>		<b>1.000</b>
20	0.40		1.340

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	33.30		-0.858

65	33.22		0.000
<b>Median</b>	<b>33.22</b>		<b>0.000</b>
<b>Std Dev</b>	<b>33.13</b>		<b>1.000</b>
55	33.05		1.822

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	33.92		-2.557
<b>Std Dev</b>	<b>33.41</b>		<b>-1.000</b>
10	33.09		0.000
<b>Median</b>	<b>33.09</b>		<b>0.000</b>
10	33.05		0.123

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	33.26		-3.573
<b>Std Dev</b>	<b>33.10</b>		<b>-1.000</b>
92	33.08		-0.650
35	33.07		-0.487
49	33.06		-0.325
6	33.04		0.000
9	33.04		0.000
30	33.04		0.000
92	33.04		0.000
<b>Median</b>	<b>33.04</b>		<b>0.000</b>
6	33.03		0.162
9	33.01		0.487
<b>Std Dev</b>	<b>32.98</b>		<b>1.000</b>
78	32.98		1.056
78	32.96		1.299
26	32.95		1.543
52	32.91		2.112
60	32.90		2.274

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
24	33.39		-2.886
24	33.26		-1.912
<b>Std Dev</b>	<b>33.13</b>		<b>-1.000</b>
13	33.07		-0.525
21	33.07		-0.525
13	33.06		-0.412
15	33.05		-0.337
<b>Median</b>	<b>33.00</b>		<b>0.000</b>

75	32.96		0.337
21	32.95		0.375
77	32.93		0.525
<b>Std Dev</b>	<b>32.87</b>		<b>1.000</b>
75	32.78		1.687
61	32.60		3.036
61	32.55		3.373

205 Other(describe)			
Lab	%	P2O5	
20	35.27		-1.340
<b>Std Dev</b>	<b>35.23</b>		<b>-1.000</b>
<b>Median</b>	<b>35.13</b>		<b>0.000</b>
<b>Std Dev</b>	<b>35.02</b>		<b>1.000</b>
20	34.98		1.340

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	33.45		-1.340
<b>Std Dev</b>	<b>33.42</b>		<b>-1.000</b>
<b>Median</b>	<b>33.34</b>		<b>0.000</b>
<b>Std Dev</b>	<b>33.25</b>		<b>1.000</b>
55	33.23		1.340

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	34.26		-2.576
<b>Std Dev</b>	<b>33.75</b>		<b>-1.000</b>
10	33.43		0.000
<b>Median</b>	<b>33.43</b>		<b>0.000</b>
10	33.39		0.104

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
35	33.56		-5.303
49	33.41		-1.512
6	33.41		-1.427
<b>Std Dev</b>	<b>33.39</b>		<b>-1.000</b>
6	33.36		-0.043
9	33.36		0.000
<b>Median</b>	<b>33.36</b>		<b>0.000</b>
9	33.36		0.000
35	33.35		0.130
30	33.34		0.302

<b>Std Dev</b>	<b>33.32</b>		<b>1.000</b>
26	33.29		1.554
52	33.10		6.492

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
24	33.74		-1.658
24	33.62		-1.127
<b>Std Dev</b>	<b>33.60</b>		<b>-1.000</b>
13	33.44		-0.296
13	33.42		-0.213
21	33.41		-0.161
15	33.39		-0.101
<b>Median</b>	<b>33.37</b>		<b>0.000</b>
75	33.35		0.101
21	33.34		0.138
75	33.15		0.963
<b>Std Dev</b>	<b>33.15</b>		<b>1.000</b>
77	33.03		1.535
61	32.90		2.097
61	32.88		2.189

215 Other(describe)			
Lab	%	P2O5	dB
20	35.43		-1.340
<b>Std Dev</b>	<b>35.39</b>		<b>-1.000</b>
<b>Median</b>	<b>35.27</b>		<b>0.000</b>
<b>Std Dev</b>	<b>35.16</b>		<b>1.000</b>
20	35.12		1.340

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
60	1.07		-0.503
30	1.04		0.000
<b>Median</b>	<b>1.04</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.98</b>		<b>1.000</b>
55	0.91		2.178

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	1.23		-3.256
35	1.20		-2.490
266	1.17		-1.724
78	1.16		-1.468

21	1.15	-1.213
21	1.15	-1.085
78	1.15	-1.085
Std Dev	1.14	-1.000
52	1.13	-0.702
75	1.12	-0.390
9	1.11	-0.192
13	1.11	-0.192
6	1.11	-0.064
9	1.11	-0.064
Median	1.10	0.000
10	1.10	0.064
13	1.10	0.064
15	1.10	0.064
49	1.10	0.064
6	1.09	0.319
10	1.09	0.319
75	1.09	0.361
Std Dev	1.06	1.000
61	1.06	1.085
92	1.05	1.341
92	1.05	1.341
61	1.01	2.362
24	0.97	3.512
24	0.96	3.767

303 Other(describe)		
Lab	%	Fe2O3
77	1.25	-0.180
77	1.25	-0.180
65	1.10	0.000
Median	1.10	0.000
Std Dev	0.26	1.000
20	0.13	1.160
20	0.12	1.166

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	1.40	-1.340
Std Dev	1.36	-1.000
Median	1.24	0.000
Std Dev	1.11	1.000
55	1.07	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
52	1.88	-3.660
266	1.87	-3.578
35	1.72	-2.351
35	1.68	-2.024
78	1.63	-1.614
78	1.61	-1.451
61	1.59	-1.287
Std Dev	1.55	-1.000
61	1.55	-0.919
92	1.52	-0.714
92	1.52	-0.714
21	1.46	-0.223
24	1.44	-0.060
24	1.44	-0.019
Median	1.43	0.000
75	1.43	0.019
6	1.43	0.063
9	1.43	0.063
10	1.42	0.104
21	1.42	0.104
9	1.42	0.145
15	1.42	0.145
6	1.41	0.186
10	1.41	0.186
49	1.41	0.186
13	1.40	0.268
75	1.40	0.273
13	1.40	0.309

403 Other(describe)		
Lab	%	Al2O3
77	1.64	-0.328
77	1.62	-0.268
65	1.53	0.000
Median	1.53	0.000
Std Dev	1.19	1.000
20	1.17	1.072
20	1.15	1.132

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
30	0.38	-1.072

35	0.38	-1.072
Std Dev	0.38	-1.000
60	0.34	0.000
Median	0.34	0.000
35	0.33	0.268
Std Dev	0.30	1.000
55	0.18	4.288

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
13	0.42	-13.936
92	0.41	-12.864
92	0.39	-8.576
266	0.36	-2.144
21	0.36	-1.072
61	0.36	-1.072
Std Dev	0.35	-1.000
6	0.35	0.000
6	0.35	0.000
9	0.35	0.000
9	0.35	0.000
10	0.35	0.000
10	0.35	0.000
13	0.35	0.000
15	0.35	0.000
21	0.35	0.000
49	0.35	0.000
61	0.35	0.000
Median	0.35	0.000
Std Dev	0.35	1.000
24	0.35	1.072
78	0.35	1.072
78	0.34	2.144
24	0.34	3.216
52	0.33	4.288
75	0.32	7.340
75	0.31	9.330

503 Other(describe)		
Lab	%	MgO
20	0.39	-0.503
20	0.38	-0.335
77	0.37	0.000
Median	0.37	0.000

Std Dev	0.34	1.000
65	0.34	1.005
77	0.33	1.340

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
35	3.41	-1.598
35	3.39	-1.495
Std Dev	3.29	-1.000
10	3.26	-0.825
15	3.23	-0.644
30	3.22	-0.618
9	3.21	-0.541
10	3.12	-0.103
49	3.11	-0.052
55	3.10	0.000
Median	3.10	0.000
24	3.10	0.000
9	3.05	0.258
26	3.02	0.412
13	2.96	0.722
Std Dev	2.91	1.000
13	2.89	1.108
24	2.84	1.366
61	2.69	2.113
21	2.63	2.448

602 Other(describe)		
Lab	%	Al
266	3.49	-2.137
Std Dev	3.33	-1.000
6	3.20	0.000
Median	3.20	0.000
6	3.12	0.543

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
61	19.53	#####
13	3.70	-1.540
9	3.67	-1.254
13	3.66	-1.083
77	3.65	-1.026
Std Dev	3.65	-1.000
77	3.62	-0.684

6	3.58	-0.171
9	3.56	0.000
<b>Median</b>	<b>3.56</b>	<b>0.000</b>
24	3.56	0.000
49	3.55	0.114
21	3.54	0.228
6	3.53	0.342
15	3.50	0.684
<b>Std Dev</b>	<b>3.47</b>	<b>1.000</b>
30	3.40	1.825
52	3.20	4.106

652 Other(describe)		
Lab	%	CO2
35	7.46	-2.952
35	7.45	-2.944
78	5.26	-1.192
78	5.19	-1.132
<b>Std Dev</b>	<b>5.02</b>	<b>-1.000</b>
55	3.91	-0.112
<b>Median</b>	<b>3.77</b>	<b>0.000</b>
20	3.63	0.112
65	3.60	0.136
20	3.56	0.172
24	3.44	0.268
266	2.84	0.744

701 Gravimetric sulfate-AFPC IX.12.A		
Lab	%	CaO
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

702 ICP-induced coupled plasma-AFPC IX.12.D		
Lab	%	CaO
61	50.98	-23.955
92	49.28	-11.473
21	48.93	-8.866
92	48.84	-8.242
<b>Std Dev</b>	<b>47.85</b>	<b>-1.000</b>
21	47.82	-0.716
6	47.81	-0.679
10	47.78	-0.459
6	47.77	-0.349
9	47.74	-0.165
9	47.74	-0.128

<b>Median</b>	<b>47.72</b>	<b>0.000</b>
10	47.70	0.128
13	47.70	0.128
13	47.70	0.128
78	47.69	0.202
49	47.66	0.422
<b>Std Dev</b>	<b>47.58</b>	<b>1.000</b>
78	47.54	1.340
52	46.60	8.205
75	46.07	12.119
75	45.54	15.974
61	19.70	205.718

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
30	47.68	-1.340
<b>Std Dev</b>	<b>47.64</b>	<b>-1.000</b>
<b>Median</b>	<b>47.52</b>	<b>0.000</b>
<b>Std Dev</b>	<b>47.39</b>	<b>1.000</b>
60	47.35	1.340

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
266	48.12	-0.536
35	48.09	0.000
<b>Median</b>	<b>48.09</b>	<b>0.000</b>
<b>Std Dev</b>	<b>48.03</b>	<b>1.000</b>
35	47.97	2.144

706 Other(describe)		
Lab	%	CaO
20	51.83	-7.667
20	51.49	-6.972
<b>Std Dev</b>	<b>48.52</b>	<b>-1.000</b>
77	48.50	-0.957
77	48.10	-0.151
24	48.03	0.000
<b>Median</b>	<b>48.03</b>	<b>0.000</b>
15	47.85	0.363
24	47.84	0.383

65	47.73	0.594
<b>Std Dev</b>	<b>47.53</b>	<b>1.000</b>
55	47.33	1.400

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
61	51.46	-10.049	
21	49.50	-3.973	
<b>Std Dev</b>	<b>48.55</b>	<b>-1.000</b>	
6	48.35	-0.369	
21	48.30	-0.233	
10	48.27	-0.123	
9	48.24	-0.035	
6	48.24	-0.030	
13	48.23	-0.008	
<b>Median</b>	<b>48.23</b>	<b>0.000</b>	
13	48.23	0.008	
10	48.20	0.099	
9	48.19	0.117	
49	48.17	0.179	
<b>Std Dev</b>	<b>47.91</b>	<b>1.000</b>	
52	46.87	4.222	
75	46.60	5.067	
75	46.09	6.669	
61	19.90	88.195	

6	48.35	-0.369
21	48.30	-0.233
10	48.27	-0.123
9	48.24	-0.035
6	48.24	-0.030
13	48.23	-0.008
<b>Median</b>	<b>48.23</b>	<b>0.000</b>
13	48.23	0.008
10	48.20	0.099
9	48.19	0.117
49	48.17	0.179
<b>Std Dev</b>	<b>47.91</b>	<b>1.000</b>
52	46.87	4.222
75	46.60	5.067
75	46.09	6.669
61	19.90	88.195

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

714 Permanganate			
Lab	%	CaO	dB
30	48.12	0.000	
<b>Median</b>	<b>48.12</b>	<b>0.000</b>	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	48.61	-1.453	
<b>Std Dev</b>	<b>48.57</b>	<b>-1.000</b>	
35	48.50	0.000	

<b>Median</b>	<b>48.50</b>	<b>0.000</b>
<b>Std Dev</b>	<b>48.42</b>	<b>1.000</b>
35	48.41	1.227

716 Other(describe)			
Lab	%	CaO	dB
20	52.06	-4.231	
20	51.69	-3.794	
<b>Std Dev</b>	<b>49.31</b>	<b>-1.000</b>	
77	48.72	-0.316	
24	48.54	-0.103	
<b>Median</b>	<b>48.45</b>	<b>0.000</b>	
24	48.37	0.103	
15	48.35	0.122	
77	48.24	0.252	
<b>Std Dev</b>	<b>47.60</b>	<b>1.000</b>	
55	47.58	1.022	

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

802 Specific Ion Electrode-AFPC IX.14.B		
Lab	%	Fluorine, F
266	3.98	-3.045
35	3.93	-2.436
35	3.91	-2.193
21	3.83	-1.157
<b>Std Dev</b>	<b>3.81</b>	<b>-1.000</b>
21	3.80	-0.853
55	3.78	-0.609
6	3.78	-0.548
49	3.77	-0.487
52	3.77	-0.487
9	3.75	-0.183
6	3.73	0.000
<b>Median</b>	<b>3.73</b>	<b>0.000</b>
26	3.71	0.305
15	3.70	0.365
13	3.70	0.426
9	3.68	0.670
13	3.67	0.731
<b>Std Dev</b>	<b>3.65</b>	<b>1.000</b>
24	3.65	1.035

24	3.53	2.436
30	3.52	2.558
75	3.51	2.680
75	3.51	2.680

803 Other( describe)		
Lab	%	Fluorine, F
77	3.73	-0.351
65	3.69	-0.223
77	3.62	0.000
<b>Median</b>	<b>3.62</b>	<b>0.000</b>
<b>Std Dev</b>	<b>3.31</b>	<b>1.000</b>
20	3.27	1.117
20	3.03	1.882

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	7.0	0.000
<b>Median</b>	<b>7.0</b>	<b>0.000</b>

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
35	18.0	-2.889
35	17.0	-2.570
<b>Std Dev</b>	<b>12.1</b>	<b>-1.000</b>
61	11.7	-0.876
61	11.0	-0.654
78	10.2	-0.399
24	9.0	0.000
<b>Median</b>	<b>9.0</b>	<b>0.000</b>
24	8.7	0.096
77	8.0	0.303
266	6.3	0.846
<b>Std Dev</b>	<b>5.8</b>	<b>1.000</b>
78	5.6	1.069
52	5.0	1.261

913 Other(describe)		
Lab	ppm	Arsenic, As
13	8.4	-0.102
77	8.1	0.000
<b>Median</b>	<b>8.1</b>	<b>0.000</b>
<b>Std Dev</b>	<b>5.4</b>	<b>1.000</b>
15	1.0	2.578

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	7	0.000
<b>Median</b>	<b>7</b>	<b>0.000</b>

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
61	6	-0.784
61	6	-0.737
78	6	-0.650
35	6	-0.536
75	6	-0.536
78	6	-0.402
75	6	-0.335
<b>Median</b>	<b>6</b>	<b>0.000</b>
24	5	0.335
52	5	0.402
35	5	0.804
77	5	0.804
<b>Std Dev</b>	<b>5</b>	<b>1.000</b>
266	4	2.010
77	4	2.144
24	4	2.412

923 Other(describe)		
Lab	ppm	Cadmium, Cd
15	33	-4.081
<b>Std Dev</b>	<b>17</b>	<b>-1.000</b>
20	12	-0.047
<b>Median</b>	<b>11</b>	<b>0.000</b>
20	11	0.047
13	6	0.998

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

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	5	-2.436
61	4	-1.401
35	4	-1.218

78	4	-1.218
<b>Std Dev</b>	<b>4</b>	<b>-1.000</b>
61	4	-0.713
266	3	-0.487
35	3	0.000
77	3	0.000
77	3	0.000
<b>Median</b>	<b>3</b>	<b>0.000</b>
24	3	0.122
24	3	0.122
75	3	0.548
75	3	0.609

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	4	-1.340
<b>Std Dev</b>	<b>3</b>	<b>-1.000</b>
<b>Median</b>	<b>2</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1</b>	<b>1.000</b>
15	1	1.340

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
55	0.2	0.000
<b>Median</b>	<b>0.2</b>	<b>0.000</b>

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
35	1.0	0.000
35	1.0	0.000
<b>Median</b>	<b>1.0</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.7</b>	<b>1.000</b>
266	0.1	2.680

943 Other(describe)		
Lab	ppm	Mercury, Hg
15	1.4	-1.340
<b>Std Dev</b>	<b>1.2</b>	<b>-1.000</b>
<b>Median</b>	<b>0.7</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.2</b>	<b>1.000</b>
13	0.1	1.340

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

55	8	0.000
<b>Median</b>	<b>8</b>	<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Iolybdenum, Mo
266	8	-1.712
<b>Std Dev</b>	<b>7</b>	<b>-1.000</b>
61	7	-0.977
78	7	-0.285
78	6	-0.026
61	6	0.000
<b>Median</b>	<b>6</b>	<b>0.000</b>
77	6	0.277
<b>Std Dev</b>	<b>5</b>	<b>1.000</b>
24	5	1.055
24	5	1.271
77	4	2.006

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	6	-1.340
<b>Std Dev</b>	<b>5</b>	<b>-1.000</b>
<b>Median</b>	<b>3</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1</b>	<b>1.000</b>
15	0	1.340

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	4	0.000
<b>Median</b>	<b>4</b>	<b>0.000</b>

962 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Nickel, Ni
52	15	-8.913
266	14	-7.464
61	9	-1.163
<b>Std Dev</b>	<b>9</b>	<b>-1.000</b>
77	9	-0.800
75	9	-0.366
75	9	-0.076
78	9	-0.076
<b>Median</b>	<b>8</b>	<b>0.000</b>
61	8	0.076
24	8	0.431

24	8	0.648
35	8	0.648
77	8	0.648
78	8	0.648
Std Dev	8	1.000
35	6	3.546

963 Other(describe)		
Lab	ppm	Nickel, Ni
20	47	-0.670
20	46	-0.634
Median	28	0.000
13	10	0.634
15	3	0.883

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	22	-1.741
61	20	-1.298
266	20	-1.272
Std Dev	18	-1.000
78	15	-0.198
35	15	-0.136
78	14	0.000
Median	14	0.000
35	14	0.111
77	12	0.605
77	12	0.605
24	11	0.926
Std Dev	10	1.000
24	9	1.346

973 Other(describe)		
Lab	ppm	Lead, Pb
13	16	-4.928
Std Dev	7	-1.000
20	5	0.000
20	5	0.000
Median	5	0.000

15	3	0.432
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981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
55	4	0.000
Median	4	0.000

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
266	4	-2.594
Std Dev	2	-1.000
77	1	0.000
Median	1	0.000
77	1	0.086

983 Other(describe)		
Lab	ppm	Selenium, Se
15	48	-1.340
Std Dev	42	-1.000
Median	25	0.000
Std Dev	9	1.000
13	3	1.340

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
60	84	-1.340
Std Dev	81	-1.000
Median	74	0.000
Std Dev	66	1.000
55	64	1.340

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	111	-12.422
24	108	-11.623
61	74	-2.198
Std Dev	70	-1.000
61	70	-0.985
75	67	-0.310
78	67	-0.131
75	66	-0.007
Median	66	0.000
78	66	0.007
52	65	0.365

266	65	0.420
77	64	0.558
Std Dev	62	1.000
77	61	1.385
35	52	3.865
35	50	4.416

993 Other(describe)		
Lab	ppm	Zinc, Zn
20	101	-0.480
20	101	-0.467
Median	83	0.000
13	65	0.467
Std Dev	45	1.000
15	4	2.081