

# AFPC Rock Check Program

Sample No. 2018-02

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	29	1.57	0.209
Other (describe)	102	1	1.76	
<b>Method Group 100</b>		<b>30</b>	<b>1.57</b>	<b>0.20</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	29.72	0.146
ICP-induced coupled plasma AFPC IX.3.D	202	3	29.88	0.112
Photometric-AFPC IX.3.C	203	17	29.92	0.101
Automated -AOAC 978.01-15th	204	11	30.01	0.112
Other(describe)	205	5	30.15	0.097
<b>Method Group 200</b>		<b>40</b>	<b>29.99</b>	<b>0.16</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	30.05	0.067
ICP-induced coupled plasma AFPC IX.3.D	212	3	30.37	0.073
Photometric-AFPC IX.3.C	213	11	30.39	0.139
Automated -AOAC 978.01-15th	214	11	30.51	0.117
Other(describe)	215	3	30.63	0.051
<b>Method Group 210</b>		<b>30</b>	<b>30.44</b>	<b>0.19</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	1	0.48	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	29	0.50	0.209
Other(describe)	303	7	0.54	0.035
<b>Method Group 300</b>		<b>37</b>	<b>0.51</b>	<b>0.21</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	0.27	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	29	0.33	0.037
Other(describe)	403	7	0.40	0.086
<b>Method Group 400</b>		<b>37</b>	<b>0.33</b>	<b>0.05</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	1	0.53	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	26	0.57	0.012
Other(describe)	503	7	0.54	0.037
<b>Method Group 500</b>		<b>34</b>	<b>0.57</b>	<b>0.02</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	22	1.79	0.264
Other(describe)	602	2	1.90	0.231
<b>Method Group 600</b>		<b>24</b>	<b>1.79</b>	<b>0.28</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	17	6.17	0.433
Other(describe)	652	12	6.85	3.897
<b>Method Group 650</b>		<b>29</b>	<b>6.19</b>	<b>0.61</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	21	48.07	0.537
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	48.53	0.000
EDTA Volumetric-AFPC IX.12.C	705	2	48.54	0.175
Other(describe)	706	12	48.32	0.535
<b>Method Group 700</b>		<b>36</b>	<b>48.22</b>	<b>0.52</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	15	48.83	0.493
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	49.28	0.000
EDTA Volumetric-AFPC IX.12.C	715	2	49.17	0.180
Other(describe)	716	9	49.07	0.498
<b>Method Group 710</b>		<b>26</b>	<b>48.94</b>	<b>0.48</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	26	3.57	0.112
Other (describe)	803	6	3.63	0.128
<b>Method Group 800</b>		<b>32</b>	<b>3.58</b>	<b>0.14</b>
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	12	13.1	2.70
Other(describe)	913	4	11.6	3.60
<b>Method Group 900</b>		<b>16</b>	<b>13.1</b>	<b>2.85</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	42	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	17	40	3.7
Other(describe)	923	3	40	2.6
<b>Method Group 910</b>		<b>21</b>	<b>40</b>	<b>3.0</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	2	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	12	2	2.2
Other(describe)	933	3	1	0.6
<b>Method Group 920</b>		<b>16</b>	<b>2</b>	<b>1.6</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	2	0.1	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.0	0.03
Other(describe)	943	1	0.2	0.00
<b>Method Group 930</b>		<b>5</b>	<b>0.1</b>	<b>0.00</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	10	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	10	10	0.7
Other(describe)	953	1	9	0.0
<b>Method Group 940</b>		<b>12</b>	<b>10</b>	<b>0.8</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	20	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	13	19	2.7
Other(describe)	963	5	19	7.2
<b>Method Group 950</b>		<b>19</b>	<b>19</b>	<b>2.2</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	5	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	12	3	1.3
Other(describe)	973	3	5	0.6
<b>Method Group 960</b>		<b>16</b>	<b>4</b>	<b>1.5</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	2	1.2
Other(describe)	983	1	5	0.0
<b>Method Group 970</b>		<b>4</b>	<b>3</b>	<b>1.4</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	328	0
ICP-induced coupled plasma-AFPC IX.16.A	992	13	346	51
Other(describe)	993	5	331	14
<b>Method Group 980</b>		<b>19</b>	<b>335</b>	<b>35</b>

101	Ground Sample AFPC IX.2.A		
Lab	%	H <sub>2</sub> O	
49	1.88		-1.484
69	1.84		-1.316
<b>Std Dev</b>	<b>1.77</b>		<b>-1.000</b>
20	1.77		-0.957
49	1.76		-0.933
24	1.75		-0.885
75	1.68		-0.526
10	1.65		-0.407
10	1.62		-0.263
21	1.61		-0.191
52	1.60		-0.168
9	1.58		-0.072
9	1.57		-0.024
26	1.57		-0.024
15	1.57		0.000
21	1.57		0.000
<b>Median</b>	<b>1.57</b>		<b>0.000</b>
15	1.56		0.048
75	1.54		0.144
30	1.52		0.215
55	1.50		0.311
13	1.49		0.359
24	1.46		0.503
<b>Std Dev</b>	<b>1.36</b>		<b>1.000</b>
275	1.34		1.077
266	1.30		1.268
13	1.30		1.292
275	1.29		1.316
77	1.25		1.508
77	1.21		1.699
35	1.14		2.034
35	1.07		2.369

102	Other (describe)		
Lab	%	H <sub>2</sub> O	
20	1.76		0.000
<b>Median</b>	<b>1.76</b>		<b>0.000</b>

201	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	
56	30.21		-3.312
<b>Std Dev</b>	<b>29.87</b>		<b>-1.000</b>

65	29.75		-0.205
<b>Median</b>	<b>29.72</b>		<b>0.000</b>
55	29.69		0.205
77	29.60		0.819

202	ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5	
266	30.15		-2.412
<b>Std Dev</b>	<b>29.99</b>		<b>-1.000</b>
10	29.88		0.000
<b>Median</b>	<b>29.88</b>		<b>0.000</b>
10	29.85		0.268

203	Photometric-AFPC IX.3.C		
Lab	%	P2O5	
51	30.14		-2.184
78	30.12		-1.985
51	30.11		-1.886
26	30.09		-1.638
<b>Std Dev</b>	<b>30.02</b>		<b>-1.000</b>
9	30.02		-0.993
9	30.02		-0.943
92	30.00		-0.794
275	29.93		-0.099
92	29.92		0.000
<b>Median</b>	<b>29.92</b>		<b>0.000</b>
35	29.90		0.199
52	29.90		0.199
275	29.89		0.298
49	29.89		0.347
49	29.87		0.546
35	29.85		0.695
30	29.82		0.993
<b>Std Dev</b>	<b>29.82</b>		<b>1.000</b>
78	29.56		3.623

204	Automated -AOAC 978.01-15th		
Lab	%	P2O5	
77	30.50		-4.422
<b>Std Dev</b>	<b>30.12</b>		<b>-1.000</b>
21	30.11		-0.938
21	30.08		-0.625
13	30.06		-0.447
15	30.04		-0.268

75	30.01		0.000
<b>Median</b>	<b>30.01</b>		<b>0.000</b>
15	30.00		0.089
13	29.92		0.804
24	29.92		0.804
<b>Std Dev</b>	<b>29.89</b>		<b>1.000</b>
24	29.83		1.608
75	29.80		1.876

205	Other(describe)		
Lab	%	P2O5	
19	30.96		-8.349
<b>Std Dev</b>	<b>30.25</b>		<b>-1.000</b>
56	30.22		-0.722
20	30.15		0.000
<b>Median</b>	<b>30.15</b>		<b>0.000</b>
20	30.09		0.618
<b>Std Dev</b>	<b>30.05</b>		<b>1.000</b>
69	29.99		1.649

211	Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB	
55	30.14			-1.340
<b>Std Dev</b>	<b>30.12</b>			<b>-1.000</b>
<b>Median</b>	<b>30.05</b>			<b>0.000</b>
<b>Std Dev</b>	<b>29.99</b>			<b>1.000</b>
77	29.96			1.340

212	ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB	
266	30.55			-2.390
<b>Std Dev</b>	<b>30.45</b>			<b>-1.000</b>
10	30.37			0.000
<b>Median</b>	<b>30.37</b>			<b>0.000</b>
10	30.35			0.290

213	Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB	
26	30.56			-1.289
<b>Std Dev</b>	<b>30.52</b>			<b>-1.000</b>
9	30.50			-0.812
9	30.50			-0.798
49	30.44			-0.357
49	30.42			-0.247

52	30.39		0.000
<b>Median</b>	<b>30.39</b>		<b>0.000</b>
275	30.34		0.358
275	30.28		0.761
30	30.28		0.764
<b>Std Dev</b>	<b>30.25</b>		<b>1.000</b>
35	30.22		1.174
35	30.19		1.384

214	Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB	
77	30.89			-3.215
<b>Std Dev</b>	<b>30.63</b>			<b>-1.000</b>
21	30.60			-0.783
21	30.55			-0.373
75	30.52			-0.057
13	30.51			-0.001
15	30.51			0.000
<b>Median</b>	<b>30.51</b>			<b>0.000</b>
15	30.47			0.320
24	30.45			0.526
<b>Std Dev</b>	<b>30.39</b>			<b>1.000</b>
13	30.31			1.724
24	30.27			2.070
75	30.26			2.133

215	Other(describe)			
Lab	%	P2O5	dB	
20	30.69			-1.156
<b>Std Dev</b>	<b>30.68</b>			<b>-1.000</b>
20	30.63			0.000
<b>Median</b>	<b>30.63</b>			<b>0.000</b>
<b>Std Dev</b>	<b>30.58</b>			<b>1.000</b>
69	30.55			1.524

301	Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3	
55	0.48		0.000
<b>Median</b>	<b>0.48</b>		<b>0.000</b>

302	ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3	
266	0.62		-0.574
15	0.59		-0.407

15	0.58	-0.383
51	0.57	-0.335
92	0.57	-0.335
51	0.56	-0.287
78	0.56	-0.287
92	0.56	-0.287
78	0.55	-0.239
275	0.55	-0.239
275	0.54	-0.191
69	0.53	-0.144
24	0.52	-0.096
24	0.51	-0.024
35	0.50	0.000
<b>Median</b>	<b>0.50</b>	<b>0.000</b>
35	0.48	0.096
75	0.47	0.129
75	0.46	0.177
52	0.46	0.191
<b>Std Dev</b>	<b>0.29</b>	<b>1.000</b>
9	0.28	1.053
9	0.28	1.053
10	0.28	1.053
49	0.28	1.053
21	0.28	1.077
10	0.27	1.101
13	0.27	1.101
13	0.27	1.101
49	0.27	1.101
21	0.26	1.173

303 Other(describe)		
Lab	%	Fe2O3
19	0.58	-1.140
<b>Std Dev</b>	<b>0.58</b>	<b>-1.000</b>
65	0.57	-0.969
77	0.55	-0.285
77	0.54	0.000
<b>Median</b>	<b>0.54</b>	<b>0.000</b>
20	0.52	0.570
20	0.51	0.855
<b>Std Dev</b>	<b>0.50</b>	<b>1.000</b>
56	0.43	3.136

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	0.27	0.000
<b>Median</b>	<b>0.27</b>	<b>0.000</b>

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	0.46	-3.618
35	0.37	-1.206
92	0.37	-1.206
<b>Std Dev</b>	<b>0.36</b>	<b>-1.000</b>
69	0.36	-0.938
92	0.36	-0.938
35	0.35	-0.670
275	0.35	-0.670
24	0.34	-0.402
49	0.34	-0.402
49	0.34	-0.268
52	0.33	-0.134
275	0.33	-0.134
9	0.33	0.000
15	0.33	0.000
15	0.33	0.000
<b>Median</b>	<b>0.33</b>	<b>0.000</b>
9	0.32	0.134
78	0.32	0.268
24	0.31	0.402
21	0.31	0.536
75	0.30	0.656
75	0.29	0.863
10	0.29	0.938
<b>Std Dev</b>	<b>0.29</b>	<b>1.000</b>
21	0.29	1.072
10	0.28	1.206
51	0.28	1.206
13	0.28	1.340
78	0.28	1.340
13	0.27	1.474
51	0.26	1.742

403 Other(describe)		
Lab	%	Al2O3
20	0.41	-0.117
20	0.40	0.000

56	0.40	0.000
65	0.40	0.000
<b>Median</b>	<b>0.40</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.31</b>	<b>1.000</b>
77	0.29	1.282
77	0.28	1.398
19	0.25	1.748

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.53	0.000
<b>Median</b>	<b>0.53</b>	<b>0.000</b>

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
35	0.61	-3.321
21	0.61	-2.906
92	0.60	-2.491
35	0.59	-1.660
51	0.59	-1.660
<b>Std Dev</b>	<b>0.58</b>	<b>-1.000</b>
9	0.58	-0.830
10	0.58	-0.830
13	0.58	-0.415
24	0.58	-0.415
49	0.58	-0.415
69	0.58	-0.415
9	0.57	0.000
10	0.57	0.000
13	0.57	0.000
49	0.57	0.000
51	0.57	0.000
92	0.57	0.000
<b>Median</b>	<b>0.57</b>	<b>0.000</b>
75	0.57	0.067
15	0.57	0.415
75	0.56	0.680
15	0.56	0.830
266	0.56	0.830
<b>Std Dev</b>	<b>0.56</b>	<b>1.000</b>
24	0.55	1.660
21	0.54	2.491
78	0.52	4.151
52	0.44	10.793

503 Other(describe)		
Lab	%	MgO
65	0.58	-1.179
77	0.58	-1.072
<b>Std Dev</b>	<b>0.58</b>	<b>-1.000</b>
56	0.57	-0.804
20	0.54	0.000
<b>Median</b>	<b>0.54</b>	<b>0.000</b>
20	0.53	0.268
19	0.52	0.536
<b>Std Dev</b>	<b>0.50</b>	<b>1.000</b>
77	0.48	1.608

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
15	2.20	-1.534
15	2.18	-1.458
13	2.06	-1.004
<b>Std Dev</b>	<b>2.05</b>	<b>-1.000</b>
13	2.05	-0.985
10	2.03	-0.909
10	1.99	-0.758
49	1.97	-0.663
49	1.95	-0.587
9	1.91	-0.436
9	1.88	-0.341
24	1.80	-0.019
<b>Median</b>	<b>1.79</b>	<b>0.000</b>
24	1.79	0.019
21	1.73	0.246
51	1.72	0.265
51	1.68	0.417
21	1.63	0.606
30	1.63	0.606
35	1.60	0.720
35	1.56	0.871
<b>Std Dev</b>	<b>1.53</b>	<b>1.000</b>
55	1.50	1.099
26	1.44	1.326
69	1.30	1.856

602 Other(describe)		
Lab	%	Al

19	2.21	-1.340
Std Dev	2.13	-1.000
Median	1.90	0.000
Std Dev	1.67	1.000
266	1.59	1.340

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
69	7.34	-2.715
275	6.60	-1.005
Std Dev	6.60	-1.000
275	6.37	-0.474
15	6.37	-0.462
15	6.36	-0.451
24	6.29	-0.289
24	6.19	-0.058
9	6.18	-0.035
21	6.17	0.000
21	6.17	0.000
Median	6.17	0.000
30	6.14	0.058
9	6.08	0.196
77	5.78	0.889
13	5.77	0.913
13	5.75	0.970
Std Dev	5.73	1.000
49	5.56	1.398
49	5.49	1.559

652 Other(describe)		
Lab	%	CO2
35	11.33	-1.151
35	11.31	-1.146
78	11.07	-1.083
78	10.96	-1.055
Std Dev	10.74	-1.000
51	7.45	-0.155
51	7.42	-0.148
Median	6.85	0.000
55	6.27	0.148
65	6.23	0.158
266	5.81	0.266
56	5.61	0.317
20	5.25	0.411

20	5.22	0.418
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	53.29	-9.726
75	50.10	-3.785
Std Dev	48.60	-1.000
9	48.60	-0.996
21	48.60	-0.996
92	48.44	-0.698
92	48.41	-0.642
9	48.33	-0.484
49	48.29	-0.409
10	48.15	-0.158
13	48.13	-0.121
21	48.07	0.000
Median	48.07	0.000
10	48.00	0.121
51	47.88	0.344
49	47.85	0.400
13	47.84	0.428
51	47.69	0.698
Std Dev	47.53	1.000
35	45.71	4.383
35	45.64	4.513
78	45.63	4.541
78	43.70	8.124
69	37.40	19.849

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

704 Permanganate		
Lab	%	CaO
30	48.53	0.000
Median	48.53	0.000

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO

266	48.77	-1.340
Std Dev	48.71	-1.000
Median	48.54	0.000
Std Dev	48.36	1.000
275	48.30	1.340

706 Other(describe)		
Lab	%	CaO
19	49.91	-2.965
Std Dev	48.86	-1.000
77	48.80	-0.892
77	48.70	-0.705
24	48.63	-0.574
56	48.45	-0.238
15	48.34	-0.033
Median	48.32	0.000
15	48.31	0.033
24	47.95	0.705
65	47.94	0.714
55	47.90	0.789
Std Dev	47.79	1.000
20	44.14	7.821
20	44.13	7.839

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
75	54.12	-10.729	
75	50.95	-4.304	
21	49.39	-1.142	
9	49.38	-1.117	
Std Dev	49.32	-1.000	
49	49.21	-0.767	
9	49.10	-0.540	
10	48.94	-0.230	
21	48.83	0.000	
Median	48.83	0.000	
10	48.81	0.048	
13	48.76	0.137	
49	48.71	0.247	
13	48.56	0.549	

Std Dev	48.34	1.000
35	46.20	5.321
35	46.17	5.398
69	38.10	21.747

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

714 Permanganate			
Lab	%	CaO	dB
30	49.28		0.000
Median	49.28		0.000

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	49.41	-1.340	
Std Dev	49.35	-1.000	
Median	49.17	0.000	
Std Dev	48.99	1.000	
275	48.93	1.340	

716 Other(describe)			
Lab	%	CaO	dB
77	49.42	-0.703	
24	49.35	-0.568	
77	49.30	-0.459	
15	49.11	-0.081	
15	49.07	0.000	
Median	49.07	0.000	
24	48.80	0.540	
55	48.63	0.881	
Std Dev	48.57	1.000	
20	44.93	8.317	
20	44.92	8.342	

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	
15	4.03	-4.109	
15	4.03	-4.065	

69	3.86	-2.591
35	3.81	-2.144
266	3.73	-1.429
35	3.71	-1.251
<b>Std Dev</b>	<b>3.68</b>	<b>-1.000</b>
75	3.65	-0.670
21	3.61	-0.357
49	3.60	-0.268
75	3.60	-0.223
21	3.59	-0.134
24	3.58	-0.089
49	3.58	-0.045
<b>Median</b>	<b>3.57</b>	<b>0.000</b>
24	3.57	0.045
13	3.55	0.179
51	3.53	0.357
26	3.53	0.402
51	3.51	0.536
13	3.51	0.581
9	3.48	0.804
30	3.48	0.804
<b>Std Dev</b>	<b>3.46</b>	<b>1.000</b>
9	3.45	1.072
55	3.25	2.859
275	3.22	3.127
275	3.19	3.395
52	2.33	11.077

803 Other( describe)		
Lab	%	Fluorine, F
65	3.72	-0.704
20	3.69	-0.430
20	3.68	-0.391
<b>Median</b>	<b>3.63</b>	<b>0.000</b>
77	3.58	0.391
<b>Std Dev</b>	<b>3.50</b>	<b>1.000</b>
77	3.49	1.095
19	3.41	1.721

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
35	16.0	-1.094
<b>Std Dev</b>	<b>15.7</b>	<b>-1.000</b>
69	15.5	-0.914
24	15.5	-0.909
24	15.5	-0.890
35	15.0	-0.723
77	14.0	-0.352
<b>Median</b>	<b>13.1</b>	<b>0.000</b>
266	12.1	0.352
51	12.0	0.389
78	12.0	0.389
52	11.4	0.612
51	11.0	0.760
78	10.6	0.927

913 Other( describe)		
Lab	ppm	Arsenic, As
13	14.4	-0.753
77	14.0	-0.656
<b>Median</b>	<b>11.6</b>	<b>0.000</b>
20	9.3	0.656
20	9.2	0.670

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

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
78	48	-2.153
78	48	-2.152
77	46	-1.514
<b>Std Dev</b>	<b>44</b>	<b>-1.000</b>
77	44	-0.978
69	43	-0.710
275	43	-0.631
75	42	-0.348
52	42	-0.308
24	40	0.000
<b>Median</b>	<b>40</b>	<b>0.000</b>
75	40	0.027

275	40	0.041
51	39	0.362
51	38	0.630
24	38	0.657
266	38	0.710
<b>Std Dev</b>	<b>37</b>	<b>1.000</b>
35	34	1.702
35	34	1.702

923 Other( describe)		
Lab	ppm	Cadmium, Cd
13	47	-2.565
<b>Std Dev</b>	<b>43</b>	<b>-1.000</b>
20	40	0.000
<b>Median</b>	<b>40</b>	<b>0.000</b>
20	40	0.115

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	2	0.000
<b>Median</b>	<b>2</b>	<b>0.000</b>

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	5	-1.402
78	5	-1.402
<b>Std Dev</b>	<b>4</b>	<b>-1.000</b>
35	4	-0.950
69	4	-0.950
35	3	-0.498
266	2	-0.181
<b>Median</b>	<b>2</b>	<b>0.000</b>
77	2	0.181
77	1	0.317
24	1	0.384
24	1	0.407
75	0	0.859
75	0	0.859

933 Other( describe)		
Lab	ppm	Cobalt, Co
13	3	-2.672
<b>Std Dev</b>	<b>2</b>	<b>-1.000</b>
20	1	0.000

<b>Median</b>	<b>1</b>	<b>0.000</b>
20	1	0.008

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
275	0.1	-1.340
<b>Std Dev</b>	<b>0.1</b>	<b>-1.000</b>
<b>Median</b>	<b>0.1</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.1</b>	<b>1.000</b>
275	0.1	1.340

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
266	0.1	-1.340
<b>Std Dev</b>	<b>0.1</b>	<b>-1.000</b>
<b>Median</b>	<b>0.0</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.0</b>	<b>1.000</b>
69	0.0	1.340

943 Other( describe)		
Lab	ppm	Mercury, Hg
13	0.2	0.000
<b>Median</b>	<b>0.2</b>	<b>0.000</b>

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	10	0.000
<b>Median</b>	<b>10</b>	<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
24	17	-10.979
78	10	-1.135
<b>Std Dev</b>	<b>10</b>	<b>-1.000</b>
77	10	-0.632
78	10	-0.345
24	10	-0.129
<b>Median</b>	<b>10</b>	<b>0.000</b>
266	9	0.129
69	9	0.704
77	9	0.805
<b>Std Dev</b>	<b>9</b>	<b>1.000</b>
20	4	7.803
20	4	7.824

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	9	0.000
<b>Median</b>	<b>9</b>	<b>0.000</b>

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
55	20	0.000
<b>Median</b>	<b>20</b>	<b>0.000</b>

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
35	23	-1.489
35	22	-1.117
<b>Std Dev</b>	<b>22</b>	<b>-1.000</b>
78	22	-0.931
78	21	-0.558
77	20	-0.372
52	20	-0.186
77	19	0.000
<b>Median</b>	<b>19</b>	<b>0.000</b>
24	19	0.093
24	18	0.447
266	17	0.782
<b>Std Dev</b>	<b>16</b>	<b>1.000</b>
69	11	2.987
75	11	3.015
75	9	3.611

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	31	-1.661
19	28	-1.242
<b>Std Dev</b>	<b>26</b>	<b>-1.000</b>
13	19	0.000
<b>Median</b>	<b>19</b>	<b>0.000</b>
20	18	0.098
20	18	0.112

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
275	5	-1.251
51	5	-1.242
275	5	-1.169
<b>Std Dev</b>	<b>5</b>	<b>-1.000</b>
51	4	-0.466
77	4	-0.466
266	4	-0.310
<b>Median</b>	<b>3</b>	<b>0.000</b>
35	3	0.310
35	3	0.310
77	3	0.310
<b>Std Dev</b>	<b>2</b>	<b>1.000</b>
78	1	1.863
78	1	1.863
69	0	2.639

973 Other(describe)		
Lab	ppm	Lead, Pb
20	5	-0.445
20	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>
13	4	2.235

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

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
77	3	-0.778
266	2	0.000
<b>Median</b>	<b>2</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1</b>	<b>1.000</b>
69	0	1.902

983 Other(describe)		
Lab	ppm	Selenium, Se
13	5	0.000
<b>Median</b>	<b>5</b>	<b>0.000</b>

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	328	0.000
<b>Median</b>	<b>328</b>	<b>0.000</b>

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
78	379	-0.650
24	375	-0.578
24	375	-0.564
75	371	-0.483
78	367	-0.404
77	347	-0.020
77	346	0.000
<b>Median</b>	<b>346</b>	<b>0.000</b>
52	335	0.217
69	312	0.670
75	303	0.857
35	300	0.906
35	297	0.966
<b>Std Dev</b>	<b>295</b>	<b>1.000</b>
266	291	1.084

993 Other(describe)		
Lab	ppm	Zinc, Zn
19	362	-2.222
<b>Std Dev</b>	<b>345</b>	<b>-1.000</b>
19	342	-0.811
13	331	0.000
<b>Median</b>	<b>331</b>	<b>0.000</b>
20	323	0.529
20	322	0.599