

# AFPC Rock Check Program

Sample No. 2012-04

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	26	0.90	0.085
Other (describe)	102			
<b>Method Group 100</b>		26	0.90	0.08
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	2	30.65	0.078
ICP-induced coupled plasma AFPC IX.3.D	202	6	30.53	0.074
Photometric-AFPC IX.3.C	203	15	30.55	0.129
Automated -AOAC 978.01-15th	204	9	30.49	0.075
Other(describe)	205	1	30.24	0.000
<b>Method Group 200</b>		33	30.54	0.12
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	30.82	0.051
ICP-induced coupled plasma AFPC IX.3.D	212	6	30.81	0.071
Photometric-AFPC IX.3.C	213	9	30.87	0.113
Automated -AOAC 978.01-15th	214	9	30.75	0.102
Other(describe)	215			
<b>Method Group 210</b>		26	30.83	0.09
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.84	0.069
ICP-induced coupled plasma-AFPC IX.6.C	302	25	0.96	0.041
Other(describe)	303	3	1.08	0.060
<b>Method Group 300</b>		30	0.96	0.04
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	1.32	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	25	1.26	0.063
Other(describe)	403	3	1.59	0.078
<b>Method Group 400</b>		29	1.26	0.16
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	4	0.36	0.019
ICP-induced coupled plasma-AFPC IX.8.B	502	23	0.36	0.013
Other(describe)	503	3	0.35	0.004
<b>Method Group 500</b>		30	0.36	0.01
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	17	10.36	0.194
Other(describe)	602	2	11.05	0.112
<b>Method Group 600</b>		19	10.37	0.22
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	11	3.03	0.147
Other(describe)	652	4	3.80	0.567
<b>Method Group 650</b>		15	3.14	0.21
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	17	44.40	0.750
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	4	44.47	0.372
EDTA Volumetric-AFPC IX.12.C	705	4	44.75	0.324
Other(describe)	706	7	44.39	0.209
<b>Method Group 700</b>		32	44.42	0.32
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	12	44.79	0.326
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	44.83	0.726
EDTA Volumetric-AFPC IX.12.C	715	4	45.13	0.317
Other(describe)	716	6	44.77	0.067
<b>Method Group 710</b>		25	44.80	0.19

	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	16	3.48	0.202
Other (describe)	803	3	3.78	0.041
<b>Method Group 800</b>		19	3.50	0.23
<b>Arsenic, As</b>				
Atomic Absorption	911	1	15.4	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	9	11.6	1.87
Other(describe)	913	1	7.9	0.00
<b>Method Group 900</b>		11	11.6	2.64
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	7	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	13	6	0.3
Other(describe)	923	1	6	0.0
<b>Method Group 910</b>		15	6	0.3
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	2	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	13	4	0.3
Other(describe)	933	1	5	0.0
<b>Method Group 920</b>		15	4	0.5
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	4	0.1	0.02
Other(describe)	943	1	0.2	0.00
<b>Method Group 930</b>		5	0.1	0.02
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	17	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	8	21	0.8
Other(describe)	953	1	23	0.0
<b>Method Group 940</b>		10	21	1.4
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	29	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	13	22	1.9
Other(describe)	963	3	29	12.0
<b>Method Group 950</b>		17	23	3.2
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	36	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	11	15	3.1
Other(describe)	973	1	20	0.0
<b>Method Group 960</b>		13	17	3.8
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	2	1.3
Other(describe)	983	1	3	0.0
<b>Method Group 970</b>		4	2	1.1
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	92	10
ICP-induced coupled plasma-AFPC IX.16.A	992	13	62	3
Other(describe)	993	3	54	13
<b>Method Group 980</b>		18	62	8

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
69	1.03		-1.502
9	1.00		-1.149
266	1.00		-1.149
<b>Std Dev</b>	<b>0.99</b>		<b>-1.000</b>
26	0.98		-0.913
13	0.97		-0.795
16	0.96		-0.618
49	0.95		-0.560
61	0.94		-0.442
15	0.93		-0.265
61	0.92		-0.206
15	0.91		-0.088
9	0.91		-0.029
13	0.91		-0.029
<b>Median</b>	<b>0.90</b>		<b>0.000</b>
30	0.90		0.029
16	0.89		0.147
35	0.88		0.265
10	0.86		0.501
10	0.86		0.501
	0.85		0.677
35	0.83		0.854
<b>Std Dev</b>	<b>0.82</b>		<b>1.000</b>
75	0.77		1.561
75	0.77		1.620
241	0.69		2.503
77	0.46		5.213
77	0.45		5.331
27	0.36		6.450

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
77	30.75		-1.340
<b>Std Dev</b>	<b>30.72</b>		<b>-1.000</b>
<b>Median</b>	<b>30.65</b>		<b>0.000</b>
<b>Std Dev</b>	<b>30.57</b>		<b>1.000</b>
241	30.54		1.340

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
69	30.61		-1.119
10	30.61		-1.052
<b>Std Dev</b>	<b>30.60</b>		<b>-1.000</b>
16	30.56		-0.441
<b>Median</b>	<b>30.53</b>		<b>0.000</b>
10	30.50		0.441
16	30.50		0.441
<b>Std Dev</b>	<b>30.45</b>		<b>1.000</b>
266	30.00		7.158

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
35	31.55		-7.768
35	31.39		-6.525
30	30.71		-1.243
<b>Std Dev</b>	<b>30.68</b>		<b>-1.000</b>
9	30.62		-0.544
	30.61		-0.466
49	30.58		-0.233
92	30.55		0.000
92	30.55		0.000
<b>Median</b>	<b>30.55</b>		<b>0.000</b>
26	30.54		0.117
9	30.48		0.583
270	30.45		0.777
78	30.44		0.893
<b>Std Dev</b>	<b>30.42</b>		<b>1.000</b>
78	30.17		2.952
60	29.75		6.214
27	29.40		8.933

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
77	30.68		-2.613
13	30.56		-1.005
<b>Std Dev</b>	<b>30.56</b>		<b>-1.000</b>
15	30.55		-0.871
15	30.54		-0.737
75	30.49		0.000
<b>Median</b>	<b>30.49</b>		<b>0.000</b>
13	30.47		0.201
75	30.45		0.469
<b>Std Dev</b>	<b>30.41</b>		<b>1.000</b>

61	30.34		1.943
61	30.19		3.953

205 Other(describe)			
Lab	%	P2O5	
19	30.24		0.000
<b>Median</b>	<b>30.24</b>		<b>0.000</b>

211 Gravimetric AFPC IX.3.B				
Lab	%	P2O5	dB	
77	30.89			-1.340
<b>Std Dev</b>	<b>30.87</b>			<b>-1.000</b>
<b>Median</b>	<b>30.82</b>			<b>0.000</b>
<b>Std Dev</b>	<b>30.77</b>			<b>1.000</b>
241	30.75			1.340

212 ICP-induced coupled plasma AFPC IX.3.D				
Lab	%	P2O5	dB	
69	30.93			-1.656
<b>Std Dev</b>	<b>30.88</b>			<b>-1.000</b>
10	30.87			-0.833
16	30.83			-0.322
<b>Median</b>	<b>30.81</b>			<b>0.000</b>
16	30.79			0.322
10	30.76			0.740
<b>Std Dev</b>	<b>30.74</b>			<b>1.000</b>
266	30.30			7.208

213 Photometric-AFPC IX.3.C				
Lab	%	P2O5	dB	
35	31.83			-8.452
35	31.65			-6.885
30	30.99			-1.021
<b>Std Dev</b>	<b>30.99</b>			<b>-1.000</b>
9	30.93			-0.495
49	30.87			0.000
<b>Median</b>	<b>30.87</b>			<b>0.000</b>
	30.87			0.022
26	30.84			0.319
<b>Std Dev</b>	<b>30.76</b>			<b>1.000</b>
9	30.75			1.060
27	29.50			12.089

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

13	30.86		-1.086
<b>Std Dev</b>	<b>30.85</b>		<b>-1.000</b>
15	30.84		-0.850
77	30.82		-0.719
15	30.82		-0.706
13	30.75		0.000
<b>Median</b>	<b>30.75</b>		<b>0.000</b>
75	30.72		0.261
75	30.68		0.621
<b>Std Dev</b>	<b>30.65</b>		<b>1.000</b>
61	30.63		1.177
61	30.47		2.718

215 Other(describe)				
Lab	%	P2O5	dB	
<b>Median</b>	<b>0.00</b>			<b>0.000</b>

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
60	0.94		-1.340
<b>Std Dev</b>	<b>0.91</b>		<b>-1.000</b>
<b>Median</b>	<b>0.84</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.77</b>		<b>1.000</b>
30	0.75		1.340

302 ICP-induced coupled plasma-AFPC IX.6.C				
Lab	%	Fe2O3		
69	1.56			-14.618
266	1.31			-8.527
61	1.02			-1.462
78	1.02			-1.340
78	1.01			-1.218
<b>Std Dev</b>	<b>1.00</b>			<b>-1.000</b>
15	1.00			-0.853
15	0.99			-0.731
49	0.99			-0.731
10	0.96			0.000
16	0.96			0.000
16	0.96			0.000
61	0.96			0.000
270	0.96			0.000
<b>Median</b>	<b>0.96</b>			<b>0.000</b>
10	0.96			0.122
13	0.95			0.244

	0.95	0.365
9	0.94	0.487
75	0.94	0.543
9	0.94	0.609
13	0.94	0.609
75	0.93	0.851
<b>Std Dev</b>	<b>0.92</b>	<b>1.000</b>
92	0.91	1.218
92	0.90	1.462
35	0.70	6.335
35	0.62	8.284
<b>403 Other(describe)</b>		
Lab	%	Fe2O3
77	1.09	-0.168
77	1.08	0.000
<b>Median</b>	<b>1.08</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.02</b>	<b>1.000</b>
19	0.93	2.513

<b>401 Atomic Absorption-AFPC IX.6.B</b>		
Lab	%	Al2O3
30	1.32	0.000
<b>Median</b>	<b>1.32</b>	<b>0.000</b>

<b>402 ICP-induced coupled plasma-AFPC IX.6.C</b>		
Lab	%	Al2O3
266	1.68	-6.700
78	1.62	-5.675
78	1.59	-5.202
69	1.50	-3.784
61	1.46	-3.232
61	1.39	-2.049
92	1.33	-1.182
92	1.32	-1.025
<b>Std Dev</b>	<b>1.32</b>	<b>-1.000</b>
15	1.28	-0.315
49	1.27	-0.236
15	1.26	-0.079
10	1.26	0.000
16	1.26	0.000
270	1.26	0.000
<b>Median</b>	<b>1.26</b>	<b>0.000</b>
	1.26	0.000
9	1.25	0.079

10	1.25	0.079
13	1.25	0.158
16	1.25	0.158
13	1.24	0.236
9	1.23	0.394
75	1.21	0.729
75	1.21	0.733
<b>Std Dev</b>	<b>1.19</b>	<b>1.000</b>
35	0.95	4.808
35	0.92	5.281

<b>403 Other(describe)</b>		
Lab	%	Al2O3
19	1.78	-2.425
<b>Std Dev</b>	<b>1.67</b>	<b>-1.000</b>
77	1.59	0.000
<b>Median</b>	<b>1.59</b>	<b>0.000</b>
77	1.57	0.255

<b>501 Atomic Absorption-AFPC IX.8.A</b>		
Lab	%	MgO
30	0.44	-4.288
<b>Std Dev</b>	<b>0.38</b>	<b>-1.000</b>
35	0.36	0.000
35	0.36	0.000
<b>Median</b>	<b>0.36</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.34</b>	<b>1.000</b>
60	0.34	1.072

<b>502 ICP-induced coupled plasma-AFPC IX.8.B</b>		
Lab	%	MgO
69	0.43	-5.360
92	0.42	-4.594
92	0.41	-3.829
15	0.38	-1.531
<b>Std Dev</b>	<b>0.37</b>	<b>-1.000</b>
15	0.37	-0.766
49	0.37	-0.766
13	0.37	-0.383
9	0.36	0.000
10	0.36	0.000
10	0.36	0.000
61	0.36	0.000
<b>Median</b>	<b>0.36</b>	<b>0.000</b>
	0.36	0.000

9	0.36	0.383
16	0.36	0.383
16	0.36	0.383
78	0.35	0.766
78	0.35	0.766
266	0.35	0.766
61	0.35	0.842
270	0.35	0.873
<b>Std Dev</b>	<b>0.35</b>	<b>1.000</b>
13	0.34	1.531
75	0.33	2.676
75	0.32	3.082

<b>503 Other(describe)</b>		
Lab	%	MgO
19	0.35	0.000
77	0.35	0.000
<b>Median</b>	<b>0.35</b>	<b>0.000</b>
<b>Std Dev</b>	<b>0.35</b>	<b>1.000</b>
77	0.34	2.680

<b>601 Insoluble-AFPC IX.4.A</b>		
Lab	%	Al
16	10.57	-1.082
<b>Std Dev</b>	<b>10.55</b>	<b>-1.000</b>
10	10.54	-0.902
16	10.50	-0.722
49	10.46	-0.515
10	10.45	-0.438
35	10.40	-0.206
35	10.39	-0.155
15	10.37	-0.052
15	10.36	0.000
<b>Median</b>	<b>10.36</b>	<b>0.000</b>
9	10.24	0.644
30	10.23	0.670
9	10.19	0.876
13	10.19	0.902
26	10.18	0.928
<b>Std Dev</b>	<b>10.17</b>	<b>1.000</b>
	10.02	1.752
13	9.91	2.319
69	1.99	43.138

<b>602 Other(describe)</b>		
Lab	%	Al

19	11.20	-1.340
<b>Std Dev</b>	<b>11.16</b>	<b>-1.000</b>
<b>651 Gasometric-AFPC IX.13.B</b>		
Lab	%	CO2
49	3.27	-1.628
30	3.25	-1.493
<b>Std Dev</b>	<b>3.18</b>	<b>-1.000</b>
15	3.15	-0.780
15	3.14	-0.712
9	3.04	-0.068
77	3.03	0.000
<b>Median</b>	<b>3.03</b>	<b>0.000</b>
61	3.01	0.136
13	2.96	0.509
9	2.93	0.678
61	2.89	0.950
<b>Std Dev</b>	<b>2.88</b>	<b>1.000</b>
13	2.79	1.628

<b>652 Other(describe)</b>		
Lab	%	CO2
35	6.24	-4.302
<b>Std Dev</b>	<b>4.37</b>	<b>-1.000</b>
78	3.81	-0.018
<b>Median</b>	<b>3.80</b>	<b>0.000</b>
78	3.79	0.018
266	3.26	0.952

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

<b>702 ICP-induced coupled plasma-AFPC IX.12.B</b>		
Lab	%	CaO
61	47.00	-3.473
78	45.84	-1.927
92	45.59	-1.593
78	45.53	-1.513
92	45.36	-1.287
<b>Std Dev</b>	<b>45.15</b>	<b>-1.000</b>
49	44.67	-0.367
10	44.47	-0.093
16	44.42	-0.027
9	44.40	0.000

Median	44.40	0.000
9	44.38	0.027
16	44.38	0.027
	44.36	0.047
270	44.36	0.053
10	44.27	0.167
Std Dev	43.65	1.000
61	43.27	1.500
75	42.97	1.896
75	42.40	2.661

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

704 Permanganate		
Lab	%	CaO
241	45.43	-2.593
Std Dev	44.84	-1.000
60	44.50	-0.094
Median	44.47	0.000
30	44.43	0.094
Std Dev	44.09	1.000
27	43.65	2.203

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
69	44.91	-0.494
35	44.76	-0.046
Median	44.75	0.000
35	44.73	0.046
Std Dev	44.42	1.000
266	43.26	4.588

706 Other(describe)		
Lab	%	CaO
77	44.60	-1.029
Std Dev	44.59	-1.000
77	44.50	-0.550
15	44.49	-0.502
15	44.39	0.000
Median	44.39	0.000
13	44.32	0.335
Std Dev	44.18	1.000
13	44.12	1.292

19	43.90	2.321	
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
61	47.45	-8.160	
Std Dev	45.11	-1.000	
49	45.10	-0.956	
10	44.85	-0.196	
16	44.84	-0.173	
9	44.82	-0.111	
9	44.80	-0.041	
Median	44.79	0.000	
16	44.77	0.041	
	44.74	0.150	
10	44.65	0.408	
Std Dev	44.46	1.000	
61	43.67	3.422	
75	43.31	4.543	
75	42.73	6.325	

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

714 Permanganate			
Lab	%	CaO	dB
241	45.75	-1.257	
Std Dev	45.56	-1.000	
30	44.83	0.000	
Median	44.83	0.000	
Std Dev	44.11	1.000	
27	43.80	1.423	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
69	45.37	-0.762	
35	45.13	-0.012	
Median	45.13	0.000	
35	45.13	0.012	
Std Dev	44.81	1.000	
266	43.70	4.527	

716 Other(describe)			
Lab	%	CaO	dB
15	44.91	-2.012	
Std Dev	44.84	-1.000	
77	44.81	-0.527	
15	44.79	-0.326	
Median	44.77	0.000	
13	44.75	0.326	
Std Dev	44.70	1.000	
77	44.70	1.042	
13	44.52	3.783	

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
35	3.70	-1.099
Std Dev	3.68	-1.000
9	3.67	-0.951
35	3.63	-0.753
27	3.59	-0.556
9	3.58	-0.482
49	3.52	-0.210
270	3.50	-0.111
13	3.49	-0.037
Median	3.48	0.000
30	3.47	0.037
13	3.45	0.161
69	3.37	0.531
15	3.32	0.778
Std Dev	3.28	1.000
15	3.27	1.025
75	3.18	1.470
266	3.16	1.568
75	3.08	1.964

803 Other(describe)		
Lab	%	Fluorine, F
19	3.80	-0.487
77	3.78	0.000
Median	3.78	0.000

Std Dev	3.74	1.000
77	3.69	2.193

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
69	15.4	0.000
Median	15.4	0.000

912 ICP-induced coupled plasma-AFPC IX.15.I		
Lab	ppm	Arsenic, As
77	<5	0.000
78	14.5	-1.533
Std Dev	13.5	-1.000
78	12.5	-0.461
266	12.3	-0.354
61	12.1	-0.247
61	11.6	0.000
Median	11.6	0.000
	11.0	0.343
270	9.8	0.986
Std Dev	9.8	1.000
35	6.0	3.023
35	5.0	3.559

913 Other(describe)		
Lab	ppm	Arsenic, As
77	<5	0.000
13	7.9	0.000
Median	7.9	0.000

913 Other(describe)		
Lab	ppm	Arsenic, As
77	<5	0.000
13	7.9	0.000
Median	7.9	0.000

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
69	7	0.000
Median	7	0.000

922 ICP-induced coupled plasma-AFPC IX.11.I		
Lab	ppm	Cadmium, Cd
78	7	-4.395
78	7	-4.013
Std Dev	6	-1.000
35	6	-0.829
77	6	-0.829
77	6	-0.829
61	6	-0.265
270	6	0.000

Median	6	0.00
61	6	0.017
75	6	0.212
75	6	0.511
Std Dev	5	1.000
266	5	2.322
35	5	2.488
	3	10.448

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	6	0.000
Median	6	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
69	2	0.000
Median	2	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
35	6	-5.420
78	5	-2.442
78	5	-2.442
Std Dev	5	-1.000
270	4	-0.804
266	4	-0.357
	4	-0.357
61	4	0.000
Median	4	0.000
61	4	0.074
35	4	0.536
77	4	0.536
77	4	0.536
Std Dev	4	1.000
75	3	2.244
75	3	2.303

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	5	0.000
Median	5	0.000

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
69	<0.05	0.000

Median	0.0	0.000
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942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg
266	0.1	-1.620
Std Dev	0.1	-1.000
35	0.1	0.000
270	0.1	0.000
Median	0.1	0.000
Std Dev	0.0	1.000
35	0.0	3.740

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	0.2	0.000
Median	0.2	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
69	17	0.000
Median	17	0.000

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Iolybdenum, Mo
61	25	-4.762
	23	-2.625
Std Dev	22	-1.000
61	21	-0.586
77	21	-0.061
Median	21	0.000
266	21	0.061
78	21	0.122
78	20	0.610
Std Dev	20	1.000
77	18	3.602

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	23	0.000
Median	23	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
69	29	0.000
Median	29	0.000

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni

266	28	-3.162
Std Dev	24	-1.000
270	24	-0.804
77	23	-0.536
	23	-0.536
61	23	-0.322
61	22	-0.222
77	22	0.000
Median	22	0.000
75	21	0.713
75	21	0.721
78	21	0.804
Std Dev	20	1.000
35	20	1.072
78	20	1.072
35	18	2.144

963 Other(describe)		
Lab	ppm	Nickel, Ni
19	57	-2.341
Std Dev	41	-1.000
19	29	0.000
Median	29	0.000
13	25	0.339

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
69	36	0.000
Median	36	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
	20	-1.605
61	19	-1.332
266	19	-1.220
Std Dev	18	-1.000
270	17	-0.562
61	17	-0.558
77	15	0.000
77	15	0.000
Median	15	0.000
35	14	0.321

78	13	0.578
78	13	0.594
35	13	0.642

973 Other(describe)		
Lab	ppm	Lead, Pb
13	20	0.000
Median	20	0.000

981 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Selenium, Se
69	<0.1	0.000
Median	0	0.000

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
77	<1.1	0.000
77	<1.1	0.000
266	4	-1.355
Std Dev	3	-1.000
61	2	0.000
Median	2	0.000
61		1.325

983 Other(describe)		
Lab	ppm	Selenium, Se
13	3	0.000
Median	3	0.000

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
69	106	-1.340
Std Dev	102	-1.000
Median	92	0.000
Std Dev	81	1.000
60	78	1.340

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
61	80	-6.064
61	71	-3.097
75	69	-2.469
	65	-1.005
Std Dev	65	-1.000
266	63	-0.268

78	62	0.000
78	62	0.000
270	62	0.000
Median	62	0.000
75	61	0.318
77	61	0.335
77	60	0.670
Std Dev	59	1.000
35	55	2.345
35	53	3.015
993 Other(describe)		
Lab	ppm	Zinc, Zn
13	73	-1.484
Std Dev	67	-1.000
19	54	0.000
Median	54	0.000
Std Dev	41	1.000
19	39	1.196