

# AFPC Rock Check Program

Sample No. 2019-09

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	24	1.82	0.278
Other (describe)	102	3	1.90	0.183
<b>Method Group 100</b>		<b>27</b>	<b>1.84</b>	<b>0.28</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	2	29.72	0.095
ICP-induced coupled plasma AFPC IX.3.D	202	3	29.67	0.215
Photometric-AFPC IX.3.C	203	23	29.62	0.203
Automated -AOAC 978.01-15th	204	5	29.56	0.004
Other(describe)	205	4	30.54	1.095
<b>Method Group 200</b>		<b>37</b>	<b>29.62</b>	<b>0.24</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	1	29.80	0.000
ICP-induced coupled plasma AFPC IX.3.D	212	3	30.25	0.168
Photometric-AFPC IX.3.C	213	16	30.11	0.214
Automated -AOAC 978.01-15th	214	5	30.16	0.068
Other(describe)	215	2	31.72	0.006
<b>Method Group 210</b>		<b>27</b>	<b>30.16</b>	<b>0.23</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301			
ICP-induced coupled plasma-AFPC IX.6.C	302	22	0.63	0.067
Other(describe)	303	7	0.66	0.052
<b>Method Group 300</b>		<b>29</b>	<b>0.64</b>	<b>0.07</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401			
ICP-induced coupled plasma-AFPC IX.7.C	402	23	0.60	0.080
Other(describe)	403	6	0.79	0.179
<b>Method Group 400</b>		<b>29</b>	<b>0.62</b>	<b>0.08</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	3	0.61	0.011
ICP-induced coupled plasma-AFPC IX.8.B	502	20	0.60	0.016
Other(describe)	503	6	0.57	0.021
<b>Method Group 500</b>		<b>29</b>	<b>0.59</b>	<b>0.02</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	19	4.04	0.379
Other(describe)	602	4	4.88	0.945
<b>Method Group 600</b>		<b>23</b>	<b>4.18</b>	<b>0.36</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	10	4.44	0.167
Other(describe)	652	8	4.78	1.437
<b>Method Group 650</b>		<b>18</b>	<b>4.55</b>	<b>0.22</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	17	45.37	0.560
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	45.04	0.160
EDTA Volumetric-AFPC IX.12.C	705	2	44.01	0.828
Other(describe)	706	8	45.25	0.996
<b>Method Group 700</b>		<b>30</b>	<b>45.08</b>	<b>0.60</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	11	45.89	0.551
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	45.88	0.048
EDTA Volumetric-AFPC IX.12.C	715	2	44.77	0.810
Other(describe)	716	6	45.84	1.660
<b>Method Group 710</b>		<b>21</b>	<b>45.88</b>	<b>0.58</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	20	2.66	0.132
Other (describe)	803	5	2.76	0.381
<b>Method Group 800</b>		<b>25</b>	<b>2.66</b>	<b>0.16</b>
<b>Arsenic, As</b>				
Atomic Absorption	911			
ICP-induced coupled plasma-AFPC IX.15.B	912	9	8.0	2.05
Other(describe)	913	4	6.5	2.19
<b>Method Group 900</b>		<b>13</b>	<b>7.2</b>	<b>2.04</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921			
ICP-induced coupled plasma-AFPC IX.11.B	922	15	35	3.5
Other(describe)	923	4	34	1.1
<b>Method Group 910</b>		<b>19</b>	<b>34</b>	<b>3.4</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931			
ICP-induced coupled plasma-AFPC IX.16.A	932	9	1	0.3
Other(describe)	933	4	0	0.5
<b>Method Group 920</b>		<b>13</b>	<b>1</b>	<b>0.3</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	1		0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	3		0.01
Other (describe)	943	5	0.0	18.63
<b>Method Group 930</b>		<b>9</b>	<b>0.0</b>	<b>0.03</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951			
ICP-induced coupled plasma-AFPC IX.16.A	952	8	7	2.3
Other (describe)	953	1	12	0.0
<b>Method Group 940</b>		<b>9</b>	<b>8</b>	<b>2.1</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961			
ICP-induced coupled plasma-AFPC IX.16.A	962	13	11	2.3
Other (describe)	963	5	12	9.7
<b>Method Group 950</b>		<b>18</b>	<b>11</b>	<b>3.0</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971			
ICP-induced coupled plasma-AFPC IX.16.A	972	13	5	1.3
Other (describe)	973	4	8	1.7
<b>Method Group 960</b>		<b>17</b>	<b>5</b>	<b>2.1</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	2	1	0.7
Other (describe)	983	2	27	18.4
<b>Method Group 970</b>		<b>4</b>	<b>2</b>	<b>9.6</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991			
ICP-induced coupled plasma-AFPC IX.16.A	992	11	61	11
Other (describe)	993	6	67	15
<b>Method Group 980</b>		<b>17</b>	<b>64</b>	<b>12</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
24	2.31	-1.781	
49	2.13	-1.115	
49	2.11	-1.043	
<b>Std Dev</b>	<b>2.09</b>	<b>-1.000</b>	
10	2.04	-0.809	
24	2.00	-0.648	
26	1.98	-0.594	
26	1.97	-0.558	
13	1.97	-0.540	
10	1.95	-0.486	
13	1.93	-0.414	
27	1.89	-0.270	
27	1.84	-0.090	
<b>Median</b>	<b>1.82</b>	<b>0.000</b>	
35	1.79	0.090	
9	1.75	0.234	
9	1.73	0.306	
20	1.61	0.737	
35	1.61	0.737	
266	1.60	0.773	
275	1.60	0.773	
275	1.57	0.881	
<b>Std Dev</b>	<b>1.54</b>	<b>1.000</b>	
77	1.30	1.853	
30	1.23	2.104	
270	1.12	2.500	
77	0.71	3.975	

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
69	2.08	-0.984	
113	1.90	0.000	
<b>Median</b>	<b>1.90</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1.72</b>	<b>1.000</b>	
20	1.59	1.696	

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
56	29.85	-1.340	
<b>Std Dev</b>	<b>29.81</b>	<b>-1.000</b>	
<b>Median</b>	<b>29.72</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>29.62</b>	<b>1.000</b>	

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	30.09	-1.981	
<b>Std Dev</b>	<b>29.88</b>	<b>-1.000</b>	
10	29.67	0.000	
<b>Median</b>	<b>29.67</b>	<b>0.000</b>	
10	29.52	0.699	

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
270	30.44	-4.008	
45	30.43	-3.983	
45	30.36	-3.639	
35	30.05	-2.114	
35	29.90	-1.377	
<b>Std Dev</b>	<b>29.82</b>	<b>-1.000</b>	
51	29.77	-0.738	
51	29.71	-0.443	
30	29.69	-0.344	
92	29.69	-0.344	
275	29.68	-0.295	
69	29.65	-0.148	
26	29.62	0.000	
92	29.62	0.000	
<b>Median</b>	<b>29.62</b>	<b>0.000</b>	
9	29.57	0.270	
9	29.55	0.369	
26	29.54	0.393	
49	29.53	0.467	
<b>Std Dev</b>	<b>29.42</b>	<b>1.000</b>	
275	29.41	1.033	
49	29.34	1.401	
113	29.32	1.475	
27	29.29	1.623	
27	28.95	3.295	
30	28.29	6.540	

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
13	29.76	-54.940	
77	29.56	-1.340	
<b>Std Dev</b>	<b>29.56</b>	<b>-1.000</b>	

13	29.56	0.000	
24	29.56	0.000	
<b>Median</b>	<b>29.56</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>29.55</b>	<b>1.000</b>	
24	29.53	6.700	

205 Other(describe)			
Lab	%	P2O5	
20	31.22	-0.625	
20	31.21	-0.616	
<b>Median</b>	<b>30.54</b>	<b>0.000</b>	
19	29.86	0.616	
<b>Std Dev</b>	<b>29.44</b>	<b>1.000</b>	
56	29.40	1.036	

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	29.80	0.000	
<b>Median</b>	<b>29.80</b>	<b>0.000</b>	

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	30.58	-1.933	
<b>Std Dev</b>	<b>30.42</b>	<b>-1.000</b>	
10	30.25	0.000	
<b>Median</b>	<b>30.25</b>	<b>0.000</b>	
10	30.13	0.747	

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
270	30.78	-3.125	
35	30.54	-2.015	
35	30.44	-1.564	
<b>Std Dev</b>	<b>30.32</b>	<b>-1.000</b>	
69	30.28	-0.794	
26	30.22	-0.507	
49	30.17	-0.263	
275	30.16	-0.247	
26	30.13	-0.112	
<b>Median</b>	<b>30.11</b>	<b>0.000</b>	
9	30.09	0.112	
9	30.07	0.179	
30	30.06	0.232	
49	29.97	0.670	

<b>Std Dev</b>	<b>29.90</b>	<b>1.000</b>	
113	29.89	1.034	
275	29.88	1.075	
27	29.84	1.261	
27	29.51	2.806	

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
13	30.36	-2.923	
24	30.23	-1.048	
<b>Std Dev</b>	<b>30.23</b>	<b>-1.000</b>	
24	30.16	0.000	
<b>Median</b>	<b>30.16</b>	<b>0.000</b>	
13	30.14	0.292	
<b>Std Dev</b>	<b>30.09</b>	<b>1.000</b>	
77	29.95	3.031	

215 Other(describe)			
Lab	%	P2O5	dB
20	31.73	-1.340	
<b>Std Dev</b>	<b>31.73</b>	<b>-1.000</b>	
<b>Median</b>	<b>31.72</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>31.72</b>	<b>1.000</b>	
20	31.71	1.340	

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
35	0.73	-1.452	
266	0.71	-1.154	
275	0.71	-1.154	
275	0.70	-1.005	
<b>Std Dev</b>	<b>0.70</b>	<b>-1.000</b>	
92	0.69	-0.856	
45	0.68	-0.707	
92	0.68	-0.707	
45	0.67	-0.558	
51	0.67	-0.558	
51	0.65	-0.261	
270	0.64	-0.037	
<b>Median</b>	<b>0.63</b>	<b>0.000</b>	

35	0.63	0.037
13	0.60	0.484
24	0.60	0.558
9	0.59	0.633
10	0.59	0.633
13	0.59	0.633
9	0.58	0.782
10	0.58	0.782
49	0.58	0.782
49	0.58	0.782
24	0.58	0.856

303 Other(describe)			
Lab	%	Fe2O3	
77	0.73	-1.340	
77	0.72	-1.149	
Std Dev	0.71	-1.000	
19	0.70	-0.766	
56	0.66	0.000	
Median	0.66	0.000	
20	0.64	0.383	
20	0.64	0.383	
69	0.64	0.383	

401 Atomic Absorption-AFPC IX.6.B			
Lab	%	Al2O3	
Median	0.00	0.000	

402 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Al2O3	
266	1.05	-5.609	
35	0.73	-1.620	
35	0.71	-1.371	
Std Dev	0.68	-1.000	
275	0.68	-0.997	
92	0.67	-0.873	
275	0.67	-0.873	
270	0.67	-0.810	
92	0.65	-0.623	
45	0.62	-0.249	
24	0.61	-0.062	
49	0.61	-0.062	
49	0.60	0.000	
Median	0.60	0.000	

45	0.59	0.125
9	0.59	0.187
51	0.58	0.249
9	0.56	0.499
24	0.56	0.499
51	0.56	0.499
10	0.55	0.686
69	0.52	0.997
Std Dev	0.52	1.000
10	0.52	1.060
13	0.49	1.371
13	0.48	1.496

403 Other(describe)			
Lab	%	Al2O3	
56	0.94	-0.838	
77	0.91	-0.670	
77	0.91	-0.670	
Median	0.79	0.000	
19	0.67	0.670	
20	0.67	0.670	
20	0.66	0.754	

501 Atomic Absorption-AFPC IX.8.A			
Lab	%	MgO	
27	0.64	-2.680	
Std Dev	0.62	-1.000	
27	0.61	0.000	
35	0.61	0.000	
Median	0.61	0.000	

502 ICP-induced coupled plasma-AFPC IX.8.B			
Lab	%	MgO	
270	0.68	-5.360	
49	0.65	-3.153	
35	0.62	-1.576	
Std Dev	0.61	-1.000	
10	0.61	-0.946	
45	0.61	-0.946	
49	0.61	-0.946	
10	0.60	-0.315	
24	0.60	-0.315	
45	0.60	-0.315	
266	0.60	-0.315	

Median	0.60	0.000
9	0.59	0.315
13	0.59	0.315
13	0.59	0.315
51	0.59	0.315
92	0.59	0.315
9	0.59	0.631
24	0.58	0.946
Std Dev	0.58	1.000
51	0.57	1.576
69	0.56	2.207
92	0.56	2.207

503 Other(describe)			
Lab	%	MgO	
56	0.61	-2.097	
19	0.59	-1.165	
Std Dev	0.59	-1.000	
77	0.57	-0.233	
Median	0.57	0.000	
77	0.56	0.233	
20	0.56	0.466	
Std Dev	0.54	1.000	
20	0.53	1.864	

601 Insoluble-AFPC IX.4.A			
Lab	%	Al	
45	4.94	-2.390	
13	4.42	-1.003	
Std Dev	4.41	-1.000	
45	4.39	-0.937	
13	4.34	-0.792	
10	4.30	-0.700	
9	4.27	-0.620	
10	4.26	-0.581	
69	4.22	-0.488	
49	4.18	-0.370	
9	4.04	0.000	
Median	4.04	0.000	
26	3.95	0.224	
49	3.95	0.224	
26	3.94	0.251	
24	3.81	0.594	
24	3.75	0.766	

35	3.71	0.858
51	3.70	0.885
51	3.67	0.964
Std Dev	3.66	1.000
35	3.58	1.201

602 Other(describe)			
Lab	%	Al	
19	9.10	-4.463	
Std Dev	5.83	-1.000	
20	4.90	-0.019	
Median	4.88	0.000	
20	4.87	0.019	
266	4.14	0.786	

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
9	4.71	-1.632	
9	4.69	-1.512	
Std Dev	4.60	-1.000	
49	4.53	-0.554	
24	4.47	-0.195	
77	4.46	-0.135	
Median	4.44	0.000	
49	4.42	0.135	
24	4.37	0.404	
Std Dev	4.27	1.000	
13	4.27	1.033	
30	4.22	1.303	
13	4.18	1.542	

652 Other(describe)			
Lab	%	CO2	
35	9.59	-3.352	
35	9.38	-3.206	
Std Dev	6.21	-1.000	
266	5.57	-0.553	
51	4.82	-0.031	
Median	4.78	0.000	
51	4.73	0.031	
20	4.61	0.115	
20	4.56	0.150	
56	4.52	0.178	

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	
270	46.48		-1.986
Std Dev	45.93		-1.000
45	45.65		-0.500
69	45.58		-0.375
92	45.58		-0.375
13	45.57		-0.357
92	45.49		-0.214
13	45.47		-0.179
10	45.38		-0.009
45	45.37		0.000
Median	45.37		0.000

9	45.03		0.616
9	44.98		0.697
49	44.91		0.822
51	44.82		0.983
Std Dev	44.81		1.000
51	44.70		1.197
10	44.67		1.251
49	44.47		1.608
35	43.80		2.805

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

704 Permanganate			
Lab	%	CaO	
30	45.35		-1.932
Std Dev	45.20		-1.000
27	45.04		0.000
Median	45.04		0.000
27	44.92		0.748

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	45.12		-1.340
Std Dev	44.84		-1.000
Median	44.01		0.000

Std Dev	43.18		1.000
35	42.90		1.340

706 Other(describe)			
Lab	%	CaO	
20	47.40		-2.158
20	47.34		-2.103
Std Dev	46.24		-1.000
19	45.62		-0.376
56	45.51		-0.266
Median	45.25		0.000
24	44.98		0.266
24	44.72		0.527
77	44.70		0.547
77	44.60		0.647

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
270	47.01		-2.039
69	46.55		-1.204
13	46.47		-1.056
Std Dev	46.44		-1.000
13	46.38		-0.901
10	46.28		-0.712
49	45.89		0.000
Median	45.89		0.000
9	45.83		0.105
9	45.77		0.206
10	45.60		0.517
49	45.43		0.833
Std Dev	45.33		1.000
35	44.52		2.484

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

714 Permanganate			
Lab	%	CaO	dB
30	45.91		-0.631

27	45.88		0.000
Median	45.88		0.000
Std Dev	45.84		1.000
27	45.79		2.049

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	45.85		-1.340
Std Dev	45.58		-1.000
Median	44.77		0.000
Std Dev	43.96		1.000
35	43.68		1.340

716 Other(describe)			
Lab	%	CaO	dB
20	48.16		-1.400
20	48.11		-1.372
Std Dev	47.50		-1.000
24	45.90		-0.036
Median	45.84		0.000
24	45.78		0.036
77	45.19		0.391
77	45.02		0.492

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	
49	3.00		-2.585
49	2.99		-2.509
27	2.83		-1.292
35	2.83		-1.292
51	2.83		-1.292
Std Dev	2.79		-1.000
9	2.79		-0.950
51	2.77		-0.836
30	2.72		-0.456
35	2.70		-0.304
9	2.66		0.000
13	2.66		0.000
27	2.66		0.000
Median	2.66		0.000

270	2.65		0.076
13	2.64		0.152
26	2.62		0.304
26	2.62		0.304
24	2.62		0.342
24	2.55		0.836
Std Dev	2.53		1.000
69	2.51		1.140
266	2.49		1.292

803 Other( describe)			
Lab	%	Fluorine, F	
20	3.12		-0.946
20	3.12		-0.946
77	2.76		0.000
Median	2.76		0.000
77	2.61		0.394
Std Dev	2.38		1.000
19	2.17		1.550

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

912 ICP-induced coupled plasma-AFPC IX.15.I			
Lab	ppm	Arsenic, As	
270	9.8		-0.877
35	9.0		-0.487
24	8.8		-0.365
24	8.7		-0.341
35	8.0		0.000
Median	8.0		0.000
266	7.2		0.390
51	6.0		0.975
Std Dev	5.9		1.000
51	5.0		1.462
69	0.0		3.898

913 Other(describe)			
Lab	ppm	Arsenic, As	
13	8.7		-1.019
Std Dev	8.7		-1.000
20	7.0		-0.228
Median	6.5		0.000

20	6.0	0.228
Std Dev	4.3	1.000
113	0.0	2.970

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

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd

69	40	-1.313
77	39	-1.134
Std Dev	39	-1.000
45	38	-0.851
45	38	-0.851
77	37	-0.567
266	36	-0.397
24	35	-0.099
51	35	0.000
Median	35	0.000
270	34	0.411
35	33	0.567
51	33	0.567
24	33	0.695
Std Dev	31	1.000
275	31	1.117
35	31	1.134
275	31	1.276

923 Other(describe)		
Lab	ppm	Cadmium, Cd

13	39	-4.338
Std Dev	35	-1.000
20	34	-0.114
Median	34	0.000
113	34	0.114
20	34	0.341

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

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

77	2	-3.920
Std Dev	1	-1.000
45	1	-0.570
45	1	-0.570
77	1	-0.570
35	1	0.000
Median	1	0.000
35	1	0.268
266	1	0.771
270	1	0.938
Std Dev	1	1.000
69	0	2.781

933 Other(describe)		
Lab	ppm	Cobalt, Co

13	1	-0.962
113	1	-0.628
Median	0	0.000
20	0	0.628
20	0	0.628

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg

113	0.0	0.000
Median	0.0	0.000

942 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Mercury, Hg

266	0.0	-2.680
Std Dev	0.0	-1.000
69	0.0	0.000
270	0.0	0.000
Median	0.0	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg

24	25.0	-1.339
24	25.0	-1.339
Std Dev	18.7	-1.000
13	0.0	0.000
Median	0.0	0.000
20	0.0	0.001
20	0.0	0.001

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

952 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Molybdenum, Mo

24	9	-0.928
266	9	-0.919
24	9	-0.862
69	8	-0.354
Median	7	0.000
77	6	0.354
77	6	0.354
20	5	0.795
Std Dev	5	1.000
20	5	1.016

953 Other(describe)		
Lab	ppm	Molybdenum, Mo

13	12	0.000
Median	12	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni

Median	0	0.000
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962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni

35	22	-4.755
35	21	-4.323
270	14	-1.081
Std Dev	13	-1.000
77	12	-0.432
275	12	-0.216
275	11	-0.130
77	11	0.000
Median	11	0.000
24	9	0.713
69	9	0.890
266	9	0.908
24	9	0.951
Std Dev	9	1.000
45	8	1.297
45	8	1.297

963 Other(describe)		
Lab	ppm	Nickel, Ni

113	92	-8.272
19	24	-1.237
Std Dev	22	-1.000
20	12	0.000
Median	12	0.000
20	11	0.103
13	11	0.124

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

Median	0	0.000
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972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb

51	7	-1.531
266	7	-1.531
Std Dev	6	-1.000
51	6	-0.766
270	6	-0.689
35	5	0.000
35	5	0.000
275	5	0.000
Median	5	0.000
275	5	0.077
24	5	0.230
24	4	0.651
77	4	0.766
Std Dev	4	1.000
77	3	1.531
69	0	3.829

973 Other(describe)		
Lab	ppm	Lead, Pb

20	9	-0.535
13	8	-0.056
Median	8	0.000
20	8	0.056
Std Dev	6	1.000
113	0	4.488

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
266	2	-1.340
Std Dev	2	-1.000
Median	1	0.000
Std Dev	0	1.000
69	0	1.340

983 Other(describe)		
Lab	ppm	Selenium, Se
113	51	-1.340
Std Dev	45	-1.000
Median	27	0.000
Std Dev	8	1.000
13	2	1.340

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
Median	0	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	97	-3.253
24	84	-2.137
69	75	-1.279
35	72	-1.039
Std Dev	72	-1.000
35	71	-0.949
266	61	0.000
Median	61	0.000
45	59	0.136
77	59	0.136
45	58	0.226
270	57	0.361
77	55	0.497

993 Other(describe)		
Lab	ppm	Zinc, Zn
20	85	-1.225
20	83	-1.087

Std Dev	81	-1.000
19	69	-0.160
Median	67	0.000
113	64	0.160
13	58	0.593
19	55	0.802