

# 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>

77	29.59	1.340	
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

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

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