

# AFPC Rock Check Program

Sample No. 2016-03

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	30	1.06	0.169
Other (describe)	102			
<b>Method Group 100</b>		<b>30</b>	<b>1.06</b>	<b>0.17</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	5	33.19	0.146
ICP-induced coupled plasma AFPC IX.3.D	202	3	33.07	0.235
Photometric-AFPC IX.3.C	203	16	33.03	0.061
Automated -AOAC 978.01-15th	204	10	33.05	0.077
Other(describe)	205	3	32.30	0.259
<b>Method Group 200</b>		<b>37</b>	<b>33.05</b>	<b>0.07</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	3	33.34	0.116
ICP-induced coupled plasma AFPC IX.3.D	212	3	33.46	0.210
Photometric-AFPC IX.3.C	213	10	33.38	0.080
Automated -AOAC 978.01-15th	214	10	33.40	0.071
Other(describe)	215	2	32.54	0.018
<b>Method Group 210</b>		<b>28</b>	<b>33.38</b>	<b>0.09</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.99	0.049
ICP-induced coupled plasma-AFPC IX.6.C	302	28	1.10	0.048
Other(describe)	303	6	1.12	0.134
<b>Method Group 300</b>		<b>36</b>	<b>1.10</b>	<b>0.06</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	1.21	0.131
ICP-induced coupled plasma-AFPC IX.7.C	402	28	1.42	0.087
Other(describe)	403	6	1.59	0.369
<b>Method Group 400</b>		<b>36</b>	<b>1.42</b>	<b>0.15</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	4	0.39	0.054
ICP-induced coupled plasma-AFPC IX.8.B	502	27	0.35	0.002
Other(describe)	503	6	0.36	0.043
<b>Method Group 500</b>		<b>37</b>	<b>0.35</b>	<b>0.01</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	19	3.19	0.187
Other(describe)	602	3	3.31	0.146
<b>Method Group 600</b>		<b>22</b>	<b>3.19</b>	<b>0.18</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	14	3.52	0.092
Other(describe)	652	10	3.74	0.388
<b>Method Group 650</b>		<b>24</b>	<b>3.53</b>	<b>0.18</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	20	47.80	0.253
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	47.40	1.246
EDTA Volumetric-AFPC IX.12.C	705	3	48.00	0.056
Other(describe)	706	12	48.28	0.243
<b>Method Group 700</b>		<b>38</b>	<b>47.91</b>	<b>0.44</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	14	48.35	0.152
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	3	47.64	1.283
EDTA Volumetric-AFPC IX.12.C	715	3	48.43	0.053
Other(describe)	716	10	48.76	0.274
<b>Method Group 710</b>		<b>29</b>	<b>48.39</b>	<b>0.34</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	23	3.75	0.136
Other (describe)	803	5	3.66	0.138
<b>Method Group 800</b>		<b>28</b>	<b>3.73</b>	<b>0.16</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	4.6	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	10	10.9	2.66
Other(describe)	913	2	5.0	2.98
<b>Method Group 900</b>		<b>13</b>	<b>9.2</b>	<b>4.12</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	6	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	16	5	0.7
Other(describe)	923	4	9	5.1
<b>Method Group 910</b>		<b>21</b>	<b>5</b>	<b>0.8</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	15	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	13	3	0.3
Other(describe)	933	4	6	4.7
<b>Method Group 920</b>		<b>18</b>	<b>3</b>	<b>1.5</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	3	0.1	0.04
ICP-induced coupled plasma-AFPC IX.16.A	942	2	0.6	0.33
Other(describe)	943	2	0.8	0.48
<b>Method Group 930</b>		<b>7</b>	<b>0.1</b>	<b>0.38</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	54	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	12	6	0.9
Other(describe)	953	2	4	2.9
<b>Method Group 940</b>		<b>15</b>	<b>6</b>	<b>1.3</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	18	10	1.6
Other(describe)	963	2	7	2.8
<b>Method Group 950</b>		<b>21</b>	<b>10</b>	<b>2.0</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	23	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	10	14	2.5
Other(describe)	973	4	4	2.4
<b>Method Group 960</b>		<b>15</b>	<b>14</b>	<b>7.5</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	9	3.3
Other(describe)	983	2	24	17.4
<b>Method Group 970</b>		<b>5</b>	<b>9</b>	<b>6.2</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	73	0
ICP-induced coupled plasma-AFPC IX.16.A	992	16	65	8
Other(describe)	993	4	75	25
<b>Method Group 980</b>		<b>21</b>	<b>66</b>	<b>10</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
75	1.23		-0.992
21	1.22		-0.933
9	1.20		-0.814
6	1.20		-0.785
49	1.19		-0.755
10	1.18		-0.696
6	1.15		-0.518
24	1.13		-0.400
9	1.13		-0.370
13	1.13		-0.370
10	1.12		-0.341
13	1.12		-0.311
21	1.10		-0.222
24	1.09		-0.133
75	1.07		-0.044
<b>Median</b>	<b>1.06</b>		<b>0.000</b>
15	1.06		0.044
30	1.05		0.074
52	0.98		0.489
55	0.98		0.489
35	0.96		0.607
275	0.96		0.637
241	0.91		0.903
266	0.90		0.962
<b>Std Dev</b>	<b>0.89</b>		<b>1.000</b>
275	0.89		1.022
20	0.80		1.555
20	0.76		1.792
77	0.53		3.154
27	0.51		3.272
77	0.40		3.924
35	0.38		4.042

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	
65	33.44		-1.684
<b>Std Dev</b>	<b>33.34</b>		<b>-1.000</b>
56	33.25		-0.378

241	33.19		0.000
<b>Median</b>	<b>33.19</b>		<b>0.000</b>
77	33.05		0.962
<b>Std Dev</b>	<b>33.04</b>		<b>1.000</b>
55	33.01		1.237

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	33.69		-2.637
<b>Std Dev</b>	<b>33.31</b>		<b>-1.000</b>
10	33.07		0.000
<b>Median</b>	<b>33.07</b>		<b>0.000</b>
10	33.06		0.043

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
45	33.22		-3.134
52	33.17		-2.309
<b>Std Dev</b>	<b>33.09</b>		<b>-1.000</b>
45	33.06		-0.495
35	33.05		-0.330
78	33.05		-0.330
78	33.05		-0.247
9	33.04		-0.082
9	33.03		0.000
30	33.03		0.000
35	33.03		0.000
49	33.03		0.000
<b>Median</b>	<b>33.03</b>		<b>0.000</b>
6	32.99		0.660
<b>Std Dev</b>	<b>32.97</b>		<b>1.000</b>
6	32.91		2.062
92	32.86		2.804
27	32.85		2.969
92	32.79		3.958

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
24	33.16		-1.485
<b>Std Dev</b>	<b>33.12</b>		<b>-1.000</b>
77	33.10		-0.710
24	33.10		-0.646
75	33.08		-0.387
13	33.05		0.000

21	33.05		0.000
<b>Median</b>	<b>33.05</b>		<b>0.000</b>
21	33.01		0.517
13	32.98		0.840
15	32.98		0.840
<b>Std Dev</b>	<b>32.97</b>		<b>1.000</b>
75	32.95		1.292

205 Other(describe)			
Lab	%	P2O5	
56	32.96		-2.545
<b>Std Dev</b>	<b>32.56</b>		<b>-1.000</b>
20	32.30		0.000
<b>Median</b>	<b>32.30</b>		<b>0.000</b>
20	32.27		0.135

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
241	33.49		-1.358
<b>Std Dev</b>	<b>33.45</b>		<b>-1.000</b>
55	33.34		0.000
<b>Median</b>	<b>33.34</b>		<b>0.000</b>
<b>Std Dev</b>	<b>33.22</b>		<b>1.000</b>
77	33.18		1.322

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	34.00		-2.535
<b>Std Dev</b>	<b>33.67</b>		<b>-1.000</b>
10	33.46		0.000
<b>Median</b>	<b>33.46</b>		<b>0.000</b>
10	33.43		0.145

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
52	33.50		-1.510
<b>Std Dev</b>	<b>33.46</b>		<b>-1.000</b>
9	33.44		-0.736
49	33.43		-0.631
9	33.41		-0.357
30	33.38		-0.042
<b>Median</b>	<b>33.38</b>		<b>0.000</b>
6	33.37		0.042
35	33.35		0.336

6	33.30		0.924
<b>Std Dev</b>	<b>33.30</b>		<b>1.000</b>
35	33.18		2.506
27	33.02		4.471

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
24	33.52		-1.788
24	33.47		-1.079
<b>Std Dev</b>	<b>33.47</b>		<b>-1.000</b>
21	33.45		-0.796
75	33.43		-0.509
13	33.42		-0.344
<b>Median</b>	<b>33.40</b>		<b>0.000</b>
21	33.37		0.344
75	33.36		0.580
13	33.35		0.628
15	33.33		0.912
<b>Std Dev</b>	<b>33.33</b>		<b>1.000</b>
77	33.28		1.690

215 Other(describe)			
Lab	%	P2O5	dB
20	32.56		-1.340
<b>Std Dev</b>	<b>32.55</b>		<b>-1.000</b>
<b>Median</b>	<b>32.54</b>		<b>0.000</b>
<b>Std Dev</b>	<b>32.52</b>		<b>1.000</b>
20	32.51		1.340

301 Atomic Absorption-AFPC IX.6.B			
Lab	%	Fe2O3	
30	1.05		-1.340
<b>Std Dev</b>	<b>1.03</b>		<b>-1.000</b>
<b>Median</b>	<b>0.99</b>		<b>0.000</b>
<b>Std Dev</b>	<b>0.94</b>		<b>1.000</b>
55	0.92		1.340

302 ICP-induced coupled plasma-AFPC IX.6.C			
Lab	%	Fe2O3	
266	1.24		-2.995
78	1.15		-1.104
<b>Std Dev</b>	<b>1.15</b>		<b>-1.000</b>
78	1.15		-0.998
21	1.14		-0.788

13	1.13	-0.683
35	1.13	-0.683
13	1.13	-0.578
10	1.11	-0.263
6	1.11	-0.158
6	1.11	-0.158
9	1.11	-0.158
21	1.11	-0.158
9	1.10	-0.053
10	1.10	-0.053
<b>Median</b>	<b>1.10</b>	<b>0.000</b>
275	1.10	0.053
15	1.09	0.158
45	1.09	0.158
49	1.09	0.158
45	1.08	0.368
275	1.06	0.736
35	1.05	0.998
52	1.05	0.998
<b>Std Dev</b>	<b>1.05</b>	<b>1.000</b>
92	1.03	1.419
92	1.01	1.839
24	0.93	3.521
24	0.93	3.626
75	0.00	23.066
75	0.00	23.066

303 Other(describe)		
Lab	%	Fe2O3
77	1.23	-0.786
77	1.19	-0.488
65	1.14	-0.108
<b>Median</b>	<b>1.12</b>	<b>0.000</b>
56	1.11	0.108
<b>Std Dev</b>	<b>0.99</b>	<b>1.000</b>
20	0.96	1.226
20	0.96	1.226

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	1.38	-1.340
<b>Std Dev</b>	<b>1.34</b>	<b>-1.000</b>
<b>Median</b>	<b>1.21</b>	<b>0.000</b>
<b>Std Dev</b>	<b>1.07</b>	<b>1.000</b>

55	1.03	1.340
402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
266	1.87	-5.128
52	1.78	-4.092
275	1.70	-3.217
78	1.68	-2.883
35	1.67	-2.825
275	1.65	-2.612
78	1.64	-2.422
<b>Std Dev</b>	<b>1.51</b>	<b>-1.000</b>
92	1.49	-0.753
92	1.48	-0.638
24	1.48	-0.580
24	1.47	-0.523
6	1.44	-0.177
35	1.43	-0.062
6	1.43	-0.005
<b>Median</b>	<b>1.42</b>	<b>0.000</b>
75	1.42	0.005
10	1.42	0.053
10	1.42	0.053
49	1.42	0.053
9	1.42	0.111
15	1.41	0.168
45	1.41	0.168
75	1.41	0.174
9	1.41	0.226
45	1.40	0.283
21	1.40	0.341
21	1.39	0.456
13	1.35	0.859
13	1.34	0.974

403 Other(describe)		
Lab	%	Al2O3
65	1.69	-0.290
77	1.64	-0.149
56	1.60	-0.041
<b>Median</b>	<b>1.59</b>	<b>0.000</b>
77	1.57	0.041
<b>Std Dev</b>	<b>1.22</b>	<b>1.000</b>
20	0.99	1.611

20	0.98	1.651
501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
35	0.42	-0.647
35	0.39	-0.092
<b>Median</b>	<b>0.39</b>	<b>0.000</b>
30	0.38	0.092
<b>Std Dev</b>	<b>0.33</b>	<b>1.000</b>
55	0.16	4.159

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
13	0.36	-5.360
27	0.36	-5.360
45	0.36	-5.360
92	0.36	-5.360
266	0.36	-5.360
13	0.36	-2.680
21	0.36	-2.680
<b>Std Dev</b>	<b>0.35</b>	<b>-1.000</b>
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
15	0.35	0.000
21	0.35	0.000
24	0.35	0.000
24	0.35	0.000
45	0.35	0.000
49	0.35	0.000
78	0.35	0.000
92	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>
78	0.35	2.680
52	0.33	10.720
275	0.33	11.524
275	0.32	13.668
75	0.31	19.771
75	0.31	20.349

503 Other(describe)		
Lab	%	MgO
20	0.43	-1.563
<b>Std Dev</b>	<b>0.41</b>	<b>-1.000</b>
20	0.41	-0.976
77	0.38	-0.388
<b>Median</b>	<b>0.36</b>	<b>0.000</b>
65	0.35	0.388
56	0.34	0.552
77	0.34	0.552

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
55	4.21	-5.494
9	3.79	-3.243
45	3.70	-2.760
9	3.60	-2.224
<b>Std Dev</b>	<b>3.37</b>	<b>-1.000</b>
27	3.37	-0.992
24	3.32	-0.697
35	3.30	-0.616
24	3.29	-0.536
21	3.19	-0.027
15	3.19	0.000
<b>Median</b>	<b>3.19</b>	<b>0.000</b>
49	3.14	0.241
45	3.13	0.295
30	3.12	0.348
21	3.11	0.429
10	3.08	0.563
10	3.07	0.616
13	3.02	0.911
35	3.00	0.992
<b>Std Dev</b>	<b>3.00</b>	<b>1.000</b>
13	2.93	1.367

602 Other(describe)		
Lab	%	Al
6	3.53	-1.512
<b>Std Dev</b>	<b>3.46</b>	<b>-1.000</b>
266	3.31	0.000
<b>Median</b>	<b>3.31</b>	<b>0.000</b>
<b>Std Dev</b>	<b>3.16</b>	<b>1.000</b>
6	3.14	1.168

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
13	3.75	-2.436	
6	3.64	-1.299	
<b>Std Dev</b>	<b>3.61</b>	<b>-1.000</b>	
13	3.61	-0.920	
30	3.60	-0.866	
24	3.55	-0.271	
24	3.53	-0.054	
49	3.52	0.000	
77	3.52	0.000	
<b>Median</b>	<b>3.52</b>	<b>0.000</b>	
6	3.47	0.541	
15	3.47	0.541	
9	3.46	0.650	
9	3.46	0.650	
<b>Std Dev</b>	<b>3.43</b>	<b>1.000</b>	
21	3.23	3.140	
21	3.23	3.140	

652 Other(describe)			
Lab	%	CO2	
35	8.00	-10.971	
35	7.98	-10.920	
<b>Std Dev</b>	<b>4.13</b>	<b>-1.000</b>	
56	4.00	-0.664	
78	3.85	-0.277	
78	3.80	-0.135	
<b>Median</b>	<b>3.74</b>	<b>0.000</b>	
65	3.69	0.135	
20	3.54	0.522	
20	3.41	0.857	
55	3.38	0.934	
<b>Std Dev</b>	<b>3.35</b>	<b>1.000</b>	
266	3.27	1.218	

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	
92	49.43	-6.448	

52	49.40	-6.329	
92	49.27	-5.815	
45	48.29	-1.938	
21	48.14	-1.325	
<b>Std Dev</b>	<b>48.05</b>	<b>-1.000</b>	
21	48.00	-0.791	
49	47.91	-0.435	
10	47.82	-0.079	
10	47.82	-0.079	
9	47.81	-0.020	
<b>Median</b>	<b>47.80</b>	<b>0.000</b>	
13	47.80	0.020	
78	47.77	0.119	
13	47.73	0.277	
9	47.73	0.297	
6	47.70	0.396	
6	47.68	0.475	
<b>Std Dev</b>	<b>47.55</b>	<b>1.000</b>	
45	47.24	2.215	
78	46.77	4.094	
75	46.64	4.585	
75	45.98	7.215	

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	47.58	-0.144	
27	47.40	0.000	
<b>Median</b>	<b>47.40</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>46.15</b>	<b>1.000</b>	
241	44.24	2.536	

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
35	48.14	-2.501	
<b>Std Dev</b>	<b>48.06</b>	<b>-1.000</b>	
35	48.00	0.000	
<b>Median</b>	<b>48.00</b>	<b>0.000</b>	
266	47.99	0.179	

706 Other(describe)			
Lab	%	CaO	
20	48.76	-1.971	
20	48.70	-1.725	
55	48.56	-1.150	
<b>Std Dev</b>	<b>48.52</b>	<b>-1.000</b>	
77	48.40	-0.493	
24	48.33	-0.205	
77	48.30	-0.082	
<b>Median</b>	<b>48.28</b>	<b>0.000</b>	
24	48.26	0.082	
275	48.25	0.144	
275	48.19	0.390	
<b>Std Dev</b>	<b>48.04</b>	<b>1.000</b>	
56	47.90	1.561	
15	47.69	2.423	
65	46.78	6.181	

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
52	49.89	-10.148	
21	48.73	-2.514	
21	48.53	-1.225	
<b>Std Dev</b>	<b>48.50</b>	<b>-1.000</b>	
49	48.49	-0.917	
10	48.39	-0.285	
9	48.39	-0.249	
10	48.36	-0.091	
<b>Median</b>	<b>48.35</b>	<b>0.000</b>	
13	48.33	0.091	
13	48.27	0.492	
9	48.27	0.525	
6	48.26	0.600	
6	48.25	0.611	
<b>Std Dev</b>	<b>48.20</b>	<b>1.000</b>	
75	47.15	7.917	
75	46.55	11.848	

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

<b>Median</b>	<b>0.00</b>	<b>0.000</b>
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714 Permanganate			
Lab	%	CaO	dB
30	48.08	-0.344	
27	47.64	0.000	
<b>Median</b>	<b>47.64</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>46.36</b>	<b>1.000</b>	
241	44.65	2.336	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
35	48.47	-0.746	
266	48.43	0.000	
<b>Median</b>	<b>48.43</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>48.37</b>	<b>1.000</b>	
35	48.32	1.934	

716 Other(describe)			
Lab	%	CaO	dB
20	49.15	-1.430	
20	49.07	-1.137	
55	49.04	-1.019	
<b>Std Dev</b>	<b>49.04</b>	<b>-1.000</b>	
24	48.86	-0.362	
24	48.81	-0.185	
<b>Median</b>	<b>48.76</b>	<b>0.000</b>	
275	48.71	0.185	
77	48.66	0.375	
275	48.62	0.522	
77	48.49	0.973	
<b>Std Dev</b>	<b>48.49</b>	<b>1.000</b>	
15	48.20	2.049	

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

802 Specific Ion Electrode-AFPC IX.14.B			
Lab	%	Fluorine, F	
55	3.91	-1.212	
52	3.90	-1.138	
<b>Std Dev</b>	<b>3.88</b>	<b>-1.000</b>	
6	3.86	-0.808	

35	3.85	-0.771
21	3.85	-0.771
21	3.85	-0.771
6	3.78	-0.257
49	3.76	-0.110
275	3.76	-0.110
275	3.76	-0.110
9	3.75	0.000
13	3.75	0.000
Median	3.75	0.000
13	3.72	0.184
15	3.70	0.367
35	3.69	0.404
24	3.66	0.624
24	3.64	0.808
30	3.63	0.844
9	3.62	0.918
Std Dev	3.61	1.000
266	3.53	1.579
75	3.49	1.909
75	3.45	2.203
27	3.17	4.222

803 Other( describe)		
Lab	%	Fluorine, F
20	3.91	-1.811
20	3.84	-1.304
Std Dev	3.80	-1.000
77	3.66	0.000
Median	3.66	0.000
65	3.66	0.036
Std Dev	3.52	1.000
77	3.49	1.231

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	4.6	0.000
Median	4.6	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
35	14.0	-1.183
Std Dev	13.5	-1.000
275	12.8	-0.747

78	12.8	-0.732
275	11.9	-0.404
35	11.0	-0.056
Median	10.9	0.000
78	10.7	0.056
24	9.2	0.619
24	9.0	0.713
Std Dev	8.2	1.000
266	6.4	1.671
52	5.6	1.971

913 Other(describe)		
Lab	ppm	Arsenic, As
13	9.0	-1.340
Std Dev	8.0	-1.000
Median	5.0	0.000
Std Dev	2.0	1.000
15	1.0	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
55	6	0.000
Median	6	0.000

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
75	6	-1.406
75	6	-1.272
266	6	-1.272
45	6	-1.138
45	6	-1.138
52	6	-1.004
Std Dev	6	-1.000
24	5	-0.401
78	5	-0.052
Median	5	0.000
275	5	0.052
275	5	0.112
78	5	0.175
24	5	0.202
35	5	0.202
77	5	0.202
77	5	0.202
Std Dev	4	1.000

35	4	1.542
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923 Other(describe)		
Lab	ppm	Cadmium, Cd
15	33	-4.672
Std Dev	14	-1.000
20	9	0.000
20	9	0.000
Median	9	0.000
13	5	0.688

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	15	0.000
Median	15	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
78	5	-6.535
78	5	-6.535
Std Dev	3	-1.000
266	3	-0.327
24	3	0.000
35	3	0.000
35	3	0.000
77	3	0.000
Median	3	0.000
275	3	0.478
Std Dev	3	1.000
75	3	1.307
275	3	1.340
24	3	1.470
75	2	2.287
77	2	3.267

933 Other(describe)		
Lab	ppm	Cobalt, Co
20	10	-0.790
20	9	-0.577
Median	6	0.000
13	4	0.577
Std Dev	2	1.000
15	1	1.110

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
55	0.2	-2.565
Std Dev	0.1	-1.000
275	0.1	0.000
Median	0.1	0.000
275	0.1	0.115

942 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Mercury, Hg
35	1.0	-1.340
Std Dev	0.9	-1.000
Median	0.6	0.000
Std Dev	0.2	1.000
266	0.1	1.340

943 Other(describe)		
Lab	ppm	Mercury, Hg
15	1.4	-1.340
Std Dev	1.3	-1.000
Median	0.8	0.000
Std Dev	0.3	1.000
13	0.1	1.340

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	54	0.000
Median	54	0.000

952 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Iolybdenum, Mo
20	8	-1.866
266	8	-1.866
Std Dev	7	-1.000
20	7	-0.800
35	7	-0.800
78	7	-0.800
24	6	-0.107
Median	6	0.000
78	6	0.107
275	6	0.225
24	6	0.533
275	6	0.561
Std Dev	5	1.000

77	5	1.333
77	4	2.399

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	8	-1.340
Std Dev	7	-1.000
Median	4	0.000
Std Dev	1	1.000
15	0	1.340

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

962 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Nickel, Ni
20	18	-4.942
20	17	-4.324
35	15	-3.089
Std Dev	12	-1.000
275	11	-0.657
52	11	-0.309
275	10	-0.264
266	10	-0.124
35	10	0.000
45	10	0.000
45	10	0.000
Median	10	0.000
78	10	0.309
75	9	0.556
75	9	0.741
Std Dev	8	1.000
24	8	1.143
77	8	1.235
77	8	1.235
78	8	1.235
24	7	1.575

963 Other(describe)		
Lab	ppm	Nickel, Ni
13	11	-1.340
Std Dev	10	-1.000

Median	7	0.000
Std Dev	4	1.000
15	3	1.340

971 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Lead, Pb
55	23	0.000
Median	23	0.000

972 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Lead, Pb
266	20	-2.487
275	17	-1.314
275	17	-1.198
Std Dev	16	-1.000
35	15	-0.481
78	14	-0.120
Median	14	0.000
78	14	0.120
77	13	0.321
77	13	0.321
Std Dev	11	1.000
24	7	2.767
24	6	3.068

973 Other(describe)		
Lab	ppm	Lead, Pb
13	16	-5.158
Std Dev	6	-1.000
20	4	0.000
20	4	0.000
Median	4	0.000
15	4	0.202

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

982 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Selenium, Se
275	9	-0.195
275	9	0.000
Median	9	0.000
Std Dev	5	1.000

266	0	2.485
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983 Other(describe)		
Lab	ppm	Selenium, Se
15	48	-1.340
Std Dev	42	-1.000
Median	24	0.000
Std Dev	7	1.000
13	1	1.340

991 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Zinc, Zn
55	73	0.000
Median	73	0.000

992 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Zinc, Zn
24	118	-6.701
24	113	-6.077
52	74	-1.133
Std Dev	73	-1.000
78	71	-0.755
78	70	-0.628
75	68	-0.357
75	67	-0.294
275	65	-0.002
Median	65	0.000
35	65	0.002
266	62	0.380
275	62	0.433
77	60	0.633
35	59	0.822
Std Dev	57	1.000
77	54	1.389
45	50	1.894
45	43	2.777

993 Other(describe)		
Lab	ppm	Zinc, Zn
20	85	-0.379
20	84	-0.359
Median	75	0.000
13	66	0.359
Std Dev	50	1.000

15	4	2.827
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