

# AFPC Rock Check Program

Sample No. 2018-04

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	28	0.68	0.082
Other (describe)	102	1	0.65	
<b>Method Group 100</b>		29	0.67	0.06
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	4	29.50	0.122
ICP-induced coupled plasma AFPC IX.3.D	202			
Photometric-AFPC IX.3.C	203	18	29.52	0.133
Automated -AOAC 978.01-15th	204	11	29.46	0.080
Other(describe)	205	4	28.99	0.157
<b>Method Group 200</b>		37	29.48	0.15
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	2	29.64	0.003
ICP-induced coupled plasma AFPC IX.3.D	212			
Photometric-AFPC IX.3.C	213	12	29.72	0.158
Automated -AOAC 978.01-15th	214	11	29.62	0.121
Other(describe)	215	2	29.18	0.003
<b>Method Group 210</b>		27	29.64	0.14
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	1	0.83	0.000
ICP-induced coupled plasma-AFPC IX.6.C	302	28	1.05	0.042
Other(describe)	303	7	1.16	0.119
<b>Method Group 300</b>		36	1.06	0.06
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	1	0.68	0.000
ICP-induced coupled plasma-AFPC IX.7.C	402	28	1.32	0.136
Other(describe)	403	7	1.81	0.377
<b>Method Group 400</b>		36	1.35	0.17
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	1	0.32	0.000
ICP-induced coupled plasma-AFPC IX.8.B	502	26	0.41	0.014
Other(describe)	503	7	0.40	0.027
<b>Method Group 500</b>		34	0.41	0.02
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	22	12.93	0.128
Other(describe)	602	3	12.98	0.168
<b>Method Group 600</b>		25	12.95	0.12
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	15	3.29	0.147
Other(describe)	652	8	3.55	0.614
<b>Method Group 650</b>		23	3.35	0.22
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	21	42.75	0.284
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	1	43.28	0.000
EDTA Volumetric-AFPC IX.12.C	705			
Other(describe)	706	12	43.11	0.312
<b>Method Group 700</b>		34	42.89	0.45
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	15	43.06	0.267
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	1	43.55	0.000
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	9	43.39	0.130
<b>Method Group 710</b>		24	43.24	0.32

	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	3.35	0.112
Other (describe)	803	6	3.45	0.047
<b>Method Group 800</b>		29	3.39	0.13
<b>Arsenic, As</b>				
Atomic Absorption	911	1	1.5	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	10	10.9	2.28
Other(describe)	913	5	9.0	0.07
<b>Method Group 900</b>		16	9.0	1.90
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	4	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	16	3	1.1
Other(describe)	923	3	6	0.8
<b>Method Group 910</b>		20	3	1.6
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	29	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	11	19	8.5
Other(describe)	933	3		4.7
<b>Method Group 920</b>		15	16	9.5
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941	1	0.8	0.00
ICP-induced coupled plasma-AFPC IX.16.A	942	4	26.0	39.18
Other(describe)	943	1	0.1	0.00
<b>Method Group 930</b>		6	0.5	29.23
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	9	23	0.8
Other(describe)	953	1	25	0.0
<b>Method Group 940</b>		11	23	6.8
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	25	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	12	23	4.3
Other(describe)	963	4	29	2.3
<b>Method Group 950</b>		17	23	4.7
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	2	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	13	21	1.6
Other(describe)	973	3	37	5.7
<b>Method Group 960</b>		17	21	4.2
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981	1	17	0.0
ICP-induced coupled plasma-AFPC IX.16.A	982	1		0.0
Other(describe)	983	5	3	5.2
<b>Method Group 970</b>		7	3	5.2
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	1	42	0
ICP-induced coupled plasma-AFPC IX.16.A	992	12	43	10
Other(describe)	993	5	43	23
<b>Method Group 980</b>		18	43	11

101	Ground Sample AFPC IX.2.A		
Lab	%	H <sub>2</sub> O	
55	0.98		-3.715
15	0.93		-3.045
15	0.93		-3.045
69	0.78		-1.279
<b>Std Dev</b>	<b>0.76</b>		<b>-1.000</b>
49	0.74		-0.792
49	0.74		-0.731
10	0.71		-0.426
10	0.70		-0.305
21	0.70		-0.244
21	0.69		-0.183
24	0.69		-0.122
24	0.69		-0.122
35	0.68		-0.061
26	0.68		-0.061
<b>Median</b>	<b>0.68</b>		<b>0.000</b>
13	0.67		0.061
20	0.66		0.183
9	0.64		0.487
30	0.63		0.548
52	0.63		0.548
9	0.63		0.609
13	0.62		0.731
<b>Std Dev</b>	<b>0.59</b>		<b>1.000</b>
75	0.53		1.827
275	0.50		2.132
75	0.46		2.619
275	0.38		3.594
77	0.31		4.446
77	0.26		5.055
35	0.23		5.421

102	Other (describe)		
Lab	%	H <sub>2</sub> O	
20	0.65		0.000
<b>Median</b>	<b>0.65</b>		<b>0.000</b>

201	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	
65	29.75		-2.066
<b>Std Dev</b>	<b>29.62</b>		<b>-1.000</b>
77	29.54		-0.348

Median	29.50	0.000
56	29.46	0.348
<b>Std Dev</b>	<b>29.38</b>	<b>1.000</b>
55	29.35	1.207

202	ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5	
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

203	Photometric-AFPC IX.3.C		
Lab	%	P2O5	
10	29.65		-0.993
30	29.65		-0.993
35	29.62		-0.768
69	29.59		-0.543
51	29.57		-0.394
92	29.57		-0.394
10	29.56		-0.319
92	29.55		-0.244
49	29.53		-0.056
<b>Median</b>	<b>29.52</b>		<b>0.000</b>
51	29.51		0.056
26	29.49		0.206
49	29.49		0.244
9	29.44		0.581
<b>Std Dev</b>	<b>29.38</b>		<b>1.000</b>
9	29.38		1.068
78	29.34		1.331
78	29.33		1.406
52	29.20		2.380
35	28.82		5.229

204	Automated -AOAC 978.01-15th		
Lab	%	P2O5	
24	29.73		-3.303
77	29.66		-2.493
24	29.57		-1.371
<b>Std Dev</b>	<b>29.54</b>		<b>-1.000</b>
15	29.48		-0.249
15	29.48		-0.187
75	29.46		0.000
<b>Median</b>	<b>29.46</b>		<b>0.000</b>
75	29.43		0.374
13	29.42		0.499

21	29.42		0.561
<b>Std Dev</b>	<b>29.38</b>		<b>1.000</b>
21	29.37		1.184
13	29.25		2.618

205	Other(describe)		
Lab	%	P2O5	
56	29.79		-5.137
<b>Std Dev</b>	<b>29.14</b>		<b>-1.000</b>
20	28.99		-0.032
<b>Median</b>	<b>28.99</b>		<b>0.000</b>
19	28.98		0.032
20	28.98		0.032

211	Gravimetric AFPC IX.3.B			
Lab	%	P2O5		dB
55	29.64			-1.340
<b>Std Dev</b>	<b>29.64</b>			<b>-1.000</b>
<b>Median</b>	<b>29.64</b>			<b>0.000</b>
<b>Std Dev</b>	<b>29.63</b>			<b>1.000</b>
77	29.63			1.340

212	ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5		dB
<b>Median</b>	<b>0.00</b>			<b>0.000</b>

213	Photometric-AFPC IX.3.C			
Lab	%	P2O5		dB
10	29.86			-0.854
30	29.84			-0.720
35	29.82			-0.624
69	29.82			-0.623
10	29.77			-0.299
49	29.75			-0.132
<b>Median</b>	<b>29.72</b>			<b>0.000</b>
49	29.70			0.132
26	29.69			0.205
9	29.63			0.608
<b>Std Dev</b>	<b>29.57</b>			<b>1.000</b>
9	29.56			1.041
52	29.39			2.147
35	28.89			5.305

214	Automated -AOAC 978.01-15th			
Lab	%	P2O5		dB
24	29.93			-2.558
24	29.77			-1.266
15	29.76			-1.112
15	29.75			-1.070
<b>Std Dev</b>	<b>29.74</b>			<b>-1.000</b>
77	29.74			-0.963
21	29.62			0.000
<b>Median</b>	<b>29.62</b>			<b>0.000</b>
13	29.62			0.020
75	29.60			0.205
75	29.59			0.294
21	29.57			0.429
<b>Std Dev</b>	<b>29.50</b>			<b>1.000</b>
13	29.43			1.571

215	Other(describe)			
Lab	%	P2O5		dB
20	29.18			-1.340
<b>Std Dev</b>	<b>29.18</b>			<b>-1.000</b>
<b>Median</b>	<b>29.18</b>			<b>0.000</b>
<b>Std Dev</b>	<b>29.17</b>			<b>1.000</b>
20	29.17			1.340

301	Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3	
55	0.83		0.000
<b>Median</b>	<b>0.83</b>		<b>0.000</b>

302	ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3	
35	1.37		-7.623
78	1.29		-5.717
78	1.24		-4.407
35	1.20		-3.573
<b>Std Dev</b>	<b>1.09</b>		<b>-1.000</b>
51	1.09		-0.953
15	1.08		-0.715
15	1.08		-0.715
13	1.08		-0.596
92	1.07		-0.476
10	1.06		-0.238
49	1.06		-0.238

51	1.06	-0.238
92	1.06	-0.238
9	1.05	0.000
10	1.05	0.000
275	1.05	0.000
275	1.05	0.000
<b>Median</b>	<b>1.05</b>	<b>0.000</b>
9	1.05	0.119
49	1.03	0.476
13	1.03	0.596
21	1.02	0.715
24	1.02	0.715
<b>Std Dev</b>	<b>1.01</b>	<b>1.000</b>
75	1.00	1.275
21	0.99	1.429
69	0.96	2.075
75	0.94	2.524
24	0.94	2.740
52	0.75	7.147

303 Other(describe)		
Lab	%	Fe2O3
77	1.33	-1.466
77	1.28	-1.047
<b>Std Dev</b>	<b>1.27</b>	<b>-1.000</b>
56	1.18	-0.209
65	1.16	0.000
<b>Median</b>	<b>1.16</b>	<b>0.000</b>
19	1.12	0.293
<b>Std Dev</b>	<b>1.04</b>	<b>1.000</b>
20	1.02	1.131
20	1.00	1.298

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
55	0.68	0.000
<b>Median</b>	<b>0.68</b>	<b>0.000</b>

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
78	1.85	-3.892
78	1.79	-3.414
35	1.71	-2.864
35	1.62	-2.203

51	1.48	-1.175
92	1.48	-1.175
92	1.47	-1.101
51	1.46	-1.028
<b>Std Dev</b>	<b>1.46</b>	<b>-1.000</b>
275	1.41	-0.661
69	1.36	-0.315
75	1.35	-0.245
275	1.35	-0.220
24	1.35	-0.184
49	1.33	-0.073
<b>Median</b>	<b>1.32</b>	<b>0.000</b>
49	1.31	0.073
75	1.31	0.106
24	1.31	0.110
10	1.30	0.147
9	1.30	0.184
9	1.29	0.220
10	1.28	0.294
21	1.28	0.294
13	1.27	0.404
15	1.26	0.441
15	1.26	0.441
21	1.26	0.477
13	1.22	0.771
<b>Std Dev</b>	<b>1.18</b>	<b>1.000</b>
52	1.10	1.615

403 Other(describe)		
Lab	%	Al2O3
65	2.09	-0.738
77	2.02	-0.557
77	2.01	-0.531
56	1.81	0.000
<b>Median</b>	<b>1.81</b>	<b>0.000</b>
19	1.62	0.504
<b>Std Dev</b>	<b>1.43</b>	<b>1.000</b>
20	1.40	1.088
20	1.36	1.194

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.32	0.000
<b>Median</b>	<b>0.32</b>	<b>0.000</b>

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
35	0.47	-4.239
35	0.46	-3.533
92	0.43	-1.413
49	0.43	-1.060
<b>Std Dev</b>	<b>0.42</b>	<b>-1.000</b>
15	0.42	-0.707
15	0.42	-0.707
49	0.42	-0.707
92	0.42	-0.707
13	0.42	-0.353
9	0.41	0.000
10	0.41	0.000
10	0.41	0.000
13	0.41	0.000
21	0.41	0.000
24	0.41	0.000
51	0.41	0.000
<b>Median</b>	<b>0.41</b>	<b>0.000</b>
75	0.41	0.156
78	0.41	0.353
75	0.40	0.414
9	0.40	0.707
78	0.40	0.707
<b>Std Dev</b>	<b>0.40</b>	<b>1.000</b>
21	0.39	1.413
24	0.39	1.413
69	0.39	1.699
51	0.38	2.120
52	0.22	13.424

503 Other(describe)		
Lab	%	MgO
77	0.46	-2.233
56	0.43	-1.117
<b>Std Dev</b>	<b>0.43</b>	<b>-1.000</b>
65	0.41	-0.447
20	0.40	0.000
<b>Median</b>	<b>0.40</b>	<b>0.000</b>
20	0.39	0.372
77	0.38	0.744
<b>Std Dev</b>	<b>0.37</b>	<b>1.000</b>

19	0.37	1.117
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601 Insoluble-AFPC IX.4.A		
Lab	%	Al
24	13.12	-1.467
24	13.10	-1.272
21	13.07	-1.037
<b>Std Dev</b>	<b>13.06</b>	<b>-1.000</b>
15	13.04	-0.802
15	13.01	-0.606
49	13.01	-0.567
9	13.00	-0.528
30	12.99	-0.450
9	12.99	-0.411
51	12.96	-0.215
49	12.95	-0.098
<b>Median</b>	<b>12.93</b>	<b>0.000</b>
21	12.92	0.098
10	12.90	0.254
13	12.88	0.450
51	12.86	0.567
35	12.84	0.724
10	12.83	0.802
13	12.83	0.841
26	12.82	0.919
<b>Std Dev</b>	<b>12.80</b>	<b>1.000</b>
55	12.40	4.167
35	12.27	5.184
69	3.40	74.590

602 Other(describe)		
Lab	%	Al
19	13.38	-2.382
<b>Std Dev</b>	<b>13.15</b>	<b>-1.000</b>
275	12.98	0.000
<b>Median</b>	<b>12.98</b>	<b>0.000</b>
275	12.93	0.298

651 Gasometric-AFPC IX.13.B		
Lab	%	CO2
69	6.83	-24.018
77	4.22	-6.310
49	3.52	-1.527
<b>Std Dev</b>	<b>3.44</b>	<b>-1.000</b>

49	3.44	-0.984
9	3.35	-0.407
24	3.34	-0.339
30	3.33	-0.271
21	3.29	0.000
21	3.29	0.000
<b>Median</b>	<b>3.29</b>	<b>0.000</b>
13	3.26	0.237
24	3.24	0.339
13	3.15	0.950
<b>Std Dev</b>	<b>3.14</b>	<b>1.000</b>
9	3.14	1.018
15	2.79	3.426
15	2.78	3.494

652 Other(describe)		
Lab	%	CO2
35	6.03	-4.049
35	6.00	-4.000
<b>Std Dev</b>	<b>4.16</b>	<b>-1.000</b>
51	3.73	-0.301
51	3.60	-0.090
<b>Median</b>	<b>3.55</b>	<b>0.000</b>
20	3.49	0.090
20	3.49	0.090
56	3.43	0.187
55	3.26	0.464

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
69	45.99	-11.443
75	45.63	-10.184
51	43.71	-3.403
51	43.60	-3.015
75	43.23	-1.693
<b>Std Dev</b>	<b>43.03</b>	<b>-1.000</b>
10	42.96	-0.758
49	42.95	-0.705
21	42.92	-0.617
21	42.86	-0.406

13	42.78	-0.106
13	42.75	0.000
<b>Median</b>	<b>42.75</b>	<b>0.000</b>
49	42.71	0.123
10	42.64	0.370
9	42.61	0.494
92	42.59	0.547
92	42.58	0.582
9	42.51	0.846
<b>Std Dev</b>	<b>42.46</b>	<b>1.000</b>
35	41.50	4.390
35	41.32	5.025
78	38.20	16.045
78	37.80	17.438

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	43.28	0.000
<b>Median</b>	<b>43.28</b>	<b>0.000</b>

705 EDTA Volumetric-AFPC IX.12.C		
Lab	%	CaO
<b>Median</b>	<b>0.00</b>	<b>0.000</b>

706 Other(describe)		
Lab	%	CaO
15	43.40	-0.915
15	43.23	-0.369
77	43.20	-0.289
77	43.20	-0.289
20	43.12	-0.016
20	43.11	0.000
56	43.11	0.000
<b>Median</b>	<b>43.11</b>	<b>0.000</b>
55	43.06	0.160
24	42.84	0.883
<b>Std Dev</b>	<b>42.80</b>	<b>1.000</b>
24	42.63	1.557
19	42.56	1.765
65	41.44	5.360

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

712 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	dB
69	46.35	-12.296	
75	45.87	-10.510	
75	43.42	-1.351	
<b>Std Dev</b>	<b>43.33</b>	<b>-1.000</b>	
10	43.27	-0.762	
49	43.26	-0.746	
21	43.22	-0.578	
21	43.16	-0.361	
13	43.06	0.000	
<b>Median</b>	<b>43.06</b>	<b>0.000</b>	
49	43.03	0.131	
13	43.01	0.202	
10	42.94	0.460	
9	42.87	0.713	
<b>Std Dev</b>	<b>42.80</b>	<b>1.000</b>	
9	42.78	1.073	
35	41.60	5.462	
35	41.60	5.489	

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

714 Permanganate			
Lab	%	CaO	dB
30	43.55	0.000	
<b>Median</b>	<b>43.55</b>	<b>0.000</b>	

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
<b>Median</b>	<b>0.00</b>	<b>0.000</b>	<b>0.000</b>

716 Other(describe)			
Lab	%	CaO	dB
15	43.80	-3.151	
15	43.63	-1.826	
<b>Std Dev</b>	<b>43.52</b>	<b>-1.000</b>	

55	43.49	-0.727
20	43.40	-0.073
20	43.39	0.000
<b>Median</b>	<b>43.39</b>	<b>0.000</b>
77	43.33	0.446
77	43.31	0.613
<b>Std Dev</b>	<b>43.26</b>	<b>1.000</b>
24	43.13	2.020
24	42.92	3.652

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
69	3.94	-5.271
24	3.62	-2.412
24	3.58	-2.010
35	3.47	-1.072
<b>Std Dev</b>	<b>3.46</b>	<b>-1.000</b>
35	3.44	-0.804
9	3.43	-0.670
9	3.42	-0.581
21	3.41	-0.491
13	3.40	-0.402
15	3.40	-0.402
15	3.39	-0.313
51	3.35	0.000
<b>Median</b>	<b>3.35</b>	<b>0.000</b>
13	3.35	0.045
49	3.33	0.179
49	3.33	0.179
21	3.29	0.536
30	3.27	0.715
51	3.27	0.715
<b>Std Dev</b>	<b>3.24</b>	<b>1.000</b>
75	3.21	1.295
52	3.20	1.340
55	3.20	1.340
26	3.15	1.831
75	3.14	1.921

803 Other( describe)			
Lab	%	Fluorine, F	
77	3.47		-0.536
20	3.45		-0.107
20	3.45		-0.107
<b>Median</b>	<b>3.45</b>		<b>0.000</b>
77	3.44		0.107
<b>Std Dev</b>	<b>3.40</b>		<b>1.000</b>
65	3.37		1.608
19	2.72		15.544

911 Atomic Absorption-AFPC			
Lab	ppm	Arsenic, As	
55	1.5		0.000
<b>Median</b>	<b>1.5</b>		<b>0.000</b>

912 ICP-induced coupled plasma-AFPC IX.15.B			
Lab	ppm	Arsenic, As	
69	14.4		-1.564
<b>Std Dev</b>	<b>13.2</b>		<b>-1.000</b>
24	12.3		-0.604
51	12.0		-0.494
24	11.9		-0.450
51	11.0		-0.055
<b>Median</b>	<b>10.9</b>		<b>0.000</b>
78	10.8		0.055
35	9.0		0.824
52	8.9		0.868
<b>Std Dev</b>	<b>8.6</b>		<b>1.000</b>
35	8.0		1.263
78	7.8		1.373

913 Other( describe)			
Lab	ppm	Arsenic, As	
13	9.5		-6.030
<b>Std Dev</b>	<b>9.1</b>		<b>-1.000</b>
20	9.0		0.000
77	9.0		0.000
<b>Median</b>	<b>9.0</b>		<b>0.000</b>
<b>Std Dev</b>	<b>8.9</b>		<b>1.000</b>
20	8.9		1.340
77	8.0		13.400

921 Atomic Absorption-AFPC IX.11.A			
Lab	ppm	Cadmium, Cd	
55	4		0.000
<b>Median</b>	<b>4</b>		<b>0.000</b>

922 ICP-induced coupled plasma-AFPC IX.11.B			
Lab	ppm	Cadmium, Cd	
51	6		-2.584
78	6		-2.223
78	5		-2.057
51	5		-1.683
75	4		-1.007
75	4		-1.007
<b>Std Dev</b>	<b>4</b>		<b>-1.000</b>
275	3		-0.320
275	3		-0.119
<b>Median</b>	<b>3</b>		<b>0.000</b>
35	3		0.119
35	3		0.119
77	3		0.119
77	3		0.119
24	3		0.299
24	3		0.299
69	3		0.479
52	2		0.840

923 Other( describe)			
Lab	ppm	Cadmium, Cd	
20	6		-0.255
20	6		0.000
<b>Median</b>	<b>6</b>		<b>0.000</b>
<b>Std Dev</b>	<b>5</b>		<b>1.000</b>
13	4		2.425

931 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
55	29		0.000
<b>Median</b>	<b>29</b>		<b>0.000</b>

932 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Cobalt, Co	
78	43		-2.833
78	42		-2.715
<b>Std Dev</b>	<b>27</b>		<b>-1.000</b>

24	24		-0.549
24	23		-0.478
35	21		-0.236
35	19		0.000
<b>Median</b>	<b>19</b>		<b>0.000</b>
69	16		0.393
77	13		0.708
77	11		0.944
<b>Std Dev</b>	<b>11</b>		<b>1.000</b>
75	10		1.045
75	8		1.293

933 Other( describe)			
Lab	ppm	Cobalt, Co	
13	13		-2.680
<b>Std Dev</b>	<b>5</b>		<b>-1.000</b>
20	0		0.000
20	0		0.000
<b>Median</b>	<b>0</b>		<b>0.000</b>

941 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Mercury, Hg	
55	0.8		0.000
<b>Median</b>	<b>0.8</b>		<b>0.000</b>

942 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Mercury, Hg	
24	54.0		-0.715
24	52.0		-0.664
<b>Median</b>	<b>26.0</b>		<b>0.000</b>
35	0.0		0.664
69	0.0		0.664

943 Other( describe)			
Lab	ppm	Mercury, Hg	
13	0.1		0.000
<b>Median</b>	<b>0.1</b>		<b>0.000</b>

951 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Molybdenum, Mo	
55	8		0.000
<b>Median</b>	<b>8</b>		<b>0.000</b>

952 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Molybdenum, Mo	
78	32		-11.039
78	31		-10.210
<b>Std Dev</b>	<b>24</b>		<b>-1.000</b>
24	23		-0.191
77	23		-0.128
69	23		0.000
<b>Median</b>	<b>23</b>		<b>0.000</b>
24	23		0.128
<b>Std Dev</b>	<b>22</b>		<b>1.000</b>
77	22		1.149
20	6		21.185
20	6		21.568

953 Other( describe)			
Lab	ppm	Molybdenum, Mo	
13	25		0.000
<b>Median</b>	<b>25</b>		<b>0.000</b>

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
55	25		0.000
<b>Median</b>	<b>25</b>		<b>0.000</b>

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	
78	34		-2.421
78	33		-2.190
<b>Std Dev</b>	<b>27</b>		<b>-1.000</b>
35	26		-0.692
24	25		-0.519
24	23		-0.046
35	23		0.000
77	23		0.000
<b>Median</b>	<b>23</b>		<b>0.000</b>
75	20		0.680
<b>Std Dev</b>	<b>19</b>		<b>1.000</b>
75	18		1.072
69	16		1.667
52	15		1.960

963 Other(describe)			
Lab	ppm	Nickel, Ni	
19	31		-1.094
Std Dev	31		-1.000
20	29		-0.219
Median	29		0.000
20	28		0.219
Std Dev	26		1.000
13	22		2.953

971 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Lead, Pb	
55	2		0.000
Median	2		0.000

972 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Lead, Pb	
35	26		-3.221
78	26		-3.221
78	26		-2.996
Std Dev	23		-1.000
275	22		-0.696
35	22		-0.644
51	21		0.000
77	21		0.000
77	21		0.000
Median	21		0.000
275	20		0.417
51	20		0.644
Std Dev	19		1.000
69	15		4.188
24	10		6.958
24	7		9.116

973 Other(describe)			
Lab	ppm	Lead, Pb	
20	38		-0.175
20	37		0.000
Median	37		0.000
Std Dev	31		1.000
13	23		2.505

981 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Selenium, Se	
20	73		-1.297
20	73		-1.297

55	17		0.000
Median	17		0.000

982 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Selenium, Se	
69	0		0.000
Median	0		0.000

983 Other(describe)			
Lab	ppm	Selenium, Se	
20	8		-0.913
20	8		-0.913
13	3		0.000
Median	3		0.000
77	1		0.427
77	1		0.427

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
55	42		0.000
Median	42		0.000

992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
24	59		-1.642
78	57		-1.364
78	55		-1.169
Std Dev	53		-1.000
35	51		-0.828
24	49		-0.614
35	45		-0.244
Median	43		0.000
77	40		0.244
52	39		0.341
75	39		0.390
77	37		0.536
75	35		0.687
Std Dev	32		1.000
69	27		1.492

993 Other(describe)			
Lab	ppm	Zinc, Zn	
20	73		-1.297
20	73		-1.297

Std Dev	66		-1.000
19	43		0.000
Median	43		0.000
19	42		0.043
13	34		0.398