

AFPC Rock Check Program

Sample No. 2021-09

	Method #	# of Anal.	Grand Median	Std Dev
Moisture				
Ground Sample AFPC IX.2.A	101	23	0.94	0.095
Other (describe)	102	9	1.02	0.134
Method Group 100		32	0.96	0.12
P₂O₅				
Gravimetric AFPC IX.3.B	201	8	28.14	0.119
ICP-induced coupled plasma AFPC IX.3.D	202	2	28.25	0.075
AOAC 962.02-15th	203	4	28.16	0.133
Photometric-AFPC IX.3.C	204	21	28.04	0.112
Automated -AOAC 978.01-15th	205	8	28.00	0.045
Method Group 200		43	28.09	0.12
P₂O₅ (on Dry Basis)				
Gravimetric AFPC IX.3.B	211	5	28.40	0.104
ICP-induced coupled plasma AFPC IX.3.D	212	2	28.53	0.086
AOAC 962.02-15th	213	4	28.42	0.161
Photometric-AFPC IX.3.C	214	15	28.33	0.123
Automated -AOAC 978.01-15th	215	6	28.29	0.031
Method Group 210		32	28.33	0.12
Fe₂O₃				
Atomic Absorption-AFPC IX.6.B	301	2	1.18	0.060
ICP-induced coupled plasma-AFPC IX.6.C	302	27	1.12	0.123
Other(describe)	303	4	1.25	0.058
Method Group 300		33	1.13	0.12
Al₂O₃				
Atomic Absorption-AFPC IX.7.B	401	2	1.14	0.045
ICP-induced coupled plasma-AFPC IX.7.C	402	27	1.26	0.071
Other(describe)	403	4	1.49	0.126
Method Group 400		33	1.26	0.08
MgO				
Atomic Absorption-AFPC IX.8.A	501	4	0.49	0.013
ICP-induced coupled plasma-AFPC IX.8.B	502	27	0.48	0.015
Other(describe)	503	4	0.46	0.021
Method Group 500		35	0.48	0.02
Acid Insoluble				
Insoluble-AFPC IX.4.A	601	17	14.78	0.261
Other(describe)	602	3	15.03	0.084
Method Group 600		20	14.80	0.24
Carbon Dioxide				
Gasometric-AFPC IX.13.B	651	13	3.50	0.127
Other(describe)	652	15	3.90	0.299
Method Group 650		28	3.64	0.35
CaO				
Gravimetric sulfate-AFPC IX.12.A	701	1	41.44	0.000
ICP-induced coupled plasma-AFPC IX.12.D	702	17	41.50	0.552
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	2	41.80	0.129
EDTA Volumetric-AFPC IX.12.C	705			
Other(describe)	706	13	41.50	0.164
Method Group 700		33	41.50	0.46
CaO (on Dry Basis)				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	13	41.87	0.439
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	42.17	0.129
EDTA Volumetric-AFPC IX.12.C	715			
Other(describe)	716	12	41.92	0.164
Method Group 710		26	41.92	0.42

	Method #	# of Anal.	Grand Median	Std Dev
Fluorine, F				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	24	3.20	0.161
Other (describe)	803	3	3.18	0.125
Method Group 800		27	3.19	0.15
Arsenic, As				
Atomic Absorption	911	1	9.3	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	13	11.5	3.63
Other(describe)	913	2	14.5	2.99
Method Group 900		16	11.5	4.26
Cadmium, Cd				
Atomic Absorption-AFPC IX.11.A	921	3	4	0.5
ICP-induced coupled plasma-AFPC IX.11.B	922	15	3	0.3
Other(describe)	923	1	3	0.0
Method Group 910		19	3	0.5
Cobalt, Co				
Atomic Absorption-AFPC IX.16.B	931	1	7	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	10	3	1.6
Other(describe)	933	1	4	0.0
Method Group 920		12	4	1.8
Mercury, Hg				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	4		0.01
Other(describe)	943			
Method Group 930		4	0.0	0.01
Molybdenum, Mo				
Atomic Absorption-AFPC IX.16.B	951	1	12	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	10	14	2.1
Other(describe)	953	1	20	0.0
Method Group 940		12	14	2.8
Nickel, Ni				
Atomic Absorption-AFPC IX.16.B	961	2	12	1.6
ICP-induced coupled plasma-AFPC IX.16.A	962	13	20	1.7
Other(describe)	963	1	19	0.0
Method Group 950		16	19	2.2
Lead, Pb				
Atomic Absorption-AFPC IX.16.B	971	1	15	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	12	13	1.8
Other(describe)	973	1	16	0.0
Method Group 960		14	13	2.5
Selenium, Se				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	3	1	1.0
Other(describe)	983	1	1	0.0
Method Group 970		4	1	0.6
Zinc, Zn				
Atomic Absorption-AFPC IX.16.B	991	1	45	0
ICP-induced coupled plasma-AFPC IX.16.A	992	14	51	6
Other(describe)	993	1	45	0
Method Group 980		16	51	6

101	Ground Sample AFPC IX.2.A		
Lab	%	H ₂ O	
88	1.07		-1.419
88	1.07		-1.366
10	1.05		-1.209
Std Dev	1.03		-1.000
21	1.03		-0.946
13	1.02		-0.893
21	1.00		-0.683
15	0.98		-0.473
15	0.98		-0.473
26	0.96		-0.263
26	0.96		-0.263
10	0.96		-0.210
9	0.94		0.000
Median	0.94		0.000
9	0.93		0.105
13	0.92		0.210
30	0.90		0.420
55	0.89		0.473
77	0.87		0.736
237	0.86		0.788
Std Dev	0.84		1.000
77	0.82		1.261
35	0.79		1.524
22	0.78		1.629
49	0.75		1.944
270	0.27		6.989

102	Other (describe)		
Lab	%	H ₂ O	
86	1.08		-0.409
86	1.08		-0.409
85	1.05		-0.223
85	1.05		-0.223
84	1.02		0.000
Median	1.02		0.000
84	1.01		0.112
Std Dev	0.89		1.000
82	0.87		1.117
275	0.78		1.753
35	0.78		1.824

201	Gravimetric AFPC IX.3.B		
Lab	%	P2O5	
77	28.43		-2.471
56	28.40		-2.178
Std Dev	28.25		-1.000
22	28.20		-0.502
241	28.16		-0.167
Median	28.14		0.000
84	28.12		0.167
84	28.11		0.209
Std Dev	28.02		1.000
55	28.01		1.047
82	27.99		1.214

202	ICP-induced coupled plasma AFPC IX.3.D		
Lab	%	P2O5	
10	28.35		-1.340
Std Dev	28.32		-1.000
Median	28.25		0.000
Std Dev	28.17		1.000
10	28.15		1.340

203	AOAC 962.02-15th		
Lab	%	P2O5	
49	28.37		-1.612
Std Dev	28.29		-1.000
9	28.17		-0.112
Median	28.16		0.000
9	28.14		0.112
Std Dev	28.02		1.000
270	27.75		3.074

204	Photometric-AFPC IX.3.C		
Lab	%	P2O5	
10	28.42		-3.350
21	28.21		-1.519
13	28.20		-1.385
Std Dev	28.15		-1.000
10	28.15		-0.983
88	28.13		-0.804
88	28.13		-0.804
21	28.13		-0.759
35	28.12		-0.715
13	28.12		-0.670

26	28.06		-0.179
26	28.04		0.000
35	28.04		0.000
Median	28.04		0.000
51	28.03		0.134
30	28.02		0.179
237	28.01		0.268
51	27.98		0.536
Std Dev	27.93		1.000
92	27.88		1.429
92	27.86		1.653
15	27.75		2.591
15	27.75		2.591
275	27.75		2.635

205	Automated -AOAC 978.01-15th		
Lab	%	P2O5	
56	28.13		-2.959
77	28.09		-1.954
Std Dev	28.04		-1.000
82	28.02		-0.503
85	28.00		-0.056
Median	28.00		0.000
86	28.00		0.056
86	27.99		0.279
Std Dev	27.95		1.000
85	27.95		1.061
22	27.88		2.736

211	Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB	
77	28.66			-2.546
Std Dev	28.50			-1.000
84	28.40			-0.007
84	28.40			0.000
Median	28.40			0.000
Std Dev	28.30			1.000
55	28.26			1.333
82	28.24			1.582

212	ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB	
10	28.65			-1.340
Std Dev	28.62			-1.000

Median	28.53		0.000
Std Dev	28.45		1.000
10	28.42		1.340

213	AOAC 962.02-15th			
Lab	%	P2O5	dB	
49	28.58			-1.024
Std Dev	28.58			-1.000
9	28.44			-0.103
Median	28.42			0.000
9	28.40			0.103
Std Dev	28.26			1.000
270	27.82			3.718

214	Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB	
21	28.50			-1.382
13	28.46			-1.002
Std Dev	28.46			-1.000
88	28.43			-0.831
88	28.43			-0.819
21	28.41			-0.626
13	28.40			-0.591
35	28.34			-0.097
26	28.33			0.000
Median	28.33			0.000
26	28.31			0.164
30	28.27			0.479
35	28.26			0.593
237	28.25			0.642
Std Dev	28.21			1.000
15	28.02			2.497
15	28.02			2.497
275	27.96			2.986

215	Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB	
77	28.33			-1.194
Std Dev	28.32			-1.000
86	28.30			-0.197
85	28.30			-0.129
Median	28.29			0.000
86	28.29			0.129
Std Dev	28.26			1.000

85	28.25	1.503
22	28.09	6.429
301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
55	1.26	-1.340
Std Dev	1.24	-1.000
Median	1.18	0.000
Std Dev	1.12	1.000
30	1.10	1.340
302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
35	1.44	-2.599
35	1.40	-2.233
Std Dev	1.24	-1.000
84	1.16	-0.284
15	1.15	-0.244
15	1.15	-0.244
51	1.15	-0.203
84	1.15	-0.203
86	1.15	-0.203
237	1.14	-0.183
86	1.14	-0.162
270	1.14	-0.122
85	1.13	-0.081
51	1.13	-0.041
22	1.12	0.000
Median	1.12	0.000
82	1.12	0.041
85	1.12	0.041
92	1.10	0.203
92	1.10	0.203
Std Dev	1.00	1.000
10	0.99	1.056
21	0.98	1.137
21	0.98	1.137
49	0.98	1.137
10	0.95	1.381
13	0.93	1.543
9	0.93	1.584
9	0.92	1.624
13	0.92	1.665

303 Other(describe)		
Lab	%	Fe2O3
77	1.30	-0.821
77	1.26	-0.216
Median	1.25	0.000
22	1.24	0.216
Std Dev	1.19	1.000
56	1.06	3.242

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	1.20	-1.340
Std Dev	1.18	-1.000
Median	1.14	0.000
Std Dev	1.10	1.000
55	1.08	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
270	1.44	-2.539
51	1.38	-1.763
35	1.37	-1.552
35	1.37	-1.552
51	1.34	-1.128
Std Dev	1.33	-1.000
237	1.30	-0.571
92	1.29	-0.494
86	1.28	-0.282
86	1.27	-0.212
82	1.27	-0.141
84	1.27	-0.141
85	1.27	-0.141
84	1.26	0.000
85	1.26	0.000
Median	1.26	0.000
49	1.25	0.071
92	1.24	0.212
22	1.24	0.282
10	1.21	0.635
9	1.20	0.846
21	1.19	0.917
10	1.19	0.987
Std Dev	1.18	1.000
21	1.17	1.199

15	1.16	1.340
15	1.16	1.340
13	1.16	1.411
13	1.14	1.622
9	1.12	1.975

403 Other(describe)		
Lab	%	Al2O3
77	1.51	-0.139
77	1.51	-0.139
Median	1.49	0.000
22	1.48	0.139
Std Dev	1.37	1.000
56	0.94	4.387

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
88	0.50	-0.957
88	0.50	-0.574
Median	0.49	0.000
55	0.48	0.574
30	0.48	0.957

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
21	0.51	-2.010
13	0.51	-1.675
86	0.51	-1.675
85	0.50	-1.340
86	0.50	-1.340
Std Dev	0.49	-1.000
237	0.49	-0.868
9	0.49	-0.670
49	0.49	-0.670
92	0.49	-0.670
10	0.49	-0.335
21	0.49	-0.335
84	0.49	-0.335
85	0.49	-0.335
84	0.48	0.000
270	0.48	0.000
Median	0.48	0.000
9	0.48	0.335
10	0.48	0.335

13	0.48	0.335
15	0.47	0.670
15	0.47	0.670
51	0.47	0.670
82	0.47	0.670
92	0.47	0.670
Std Dev	0.47	1.000
51	0.46	1.340
22	0.44	2.680
35	0.44	2.680
35	0.44	3.015

503 Other(describe)		
Lab	%	MgO
22	0.50	-1.864
Std Dev	0.48	-1.000
77	0.47	-0.466
Median	0.46	0.000
56	0.45	0.466
77	0.45	0.699

601 Insoluble-AFPC IX.4.A		
Lab	%	Al
51	15.03	-0.957
51	14.92	-0.536
30	14.91	-0.479
21	14.90	-0.459
13	14.87	-0.345
49	14.87	-0.345
22	14.81	-0.115
15	14.78	0.000
15	14.78	0.000
Median	14.78	0.000
9	14.65	0.498
13	14.64	0.555
9	14.62	0.632
10	14.52	0.995
Std Dev	14.52	1.000
26	14.35	1.646
26	14.24	2.067
10	14.23	2.125
55	14.06	2.757

602 Other(describe)			
Lab	%	Al	
21	15.15		-1.429
Std Dev	15.11		-1.000
35	15.03		0.000
Median	15.03		0.000
Std Dev	14.94		1.000
35	14.92		1.251

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
15	5.35		-14.582
15	5.35		-14.582
21	3.64		-1.104
21	3.64		-1.104
Std Dev	3.63		-1.000
77	3.52		-0.158
9	3.50		0.000
9	3.50		0.000
Median	3.50		0.000
30	3.50		0.039
88	3.50		0.039
13	3.47		0.236
49	3.46		0.315
Std Dev	3.37		1.000
88	3.36		1.104
13	2.94		4.454

652 Other(describe)			
Lab	%	CO2	
35	6.81		-9.732
35	6.75		-9.548
Std Dev	4.20		-1.000
51	4.04		-0.452
51	3.98		-0.268
84	3.98		-0.251
84	3.93		-0.084
85	3.90		0.000
85	3.90		0.000
Median	3.90		0.000
55	3.88		0.067
86	3.85		0.167
86	3.83		0.251
Std Dev	3.60		1.000

82	3.33		1.910
56	3.23		2.245
22	3.02		2.965
237	2.88		3.434

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
22	41.44		0.000
Median	41.44		0.000

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
270	42.53		-1.865
35	42.43		-1.675
35	42.13		-1.132
51	42.08		-1.041
Std Dev	42.05		-1.000
51	42.03		-0.951
10	41.92		-0.761
9	41.89		-0.697
10	41.75		-0.453
49	41.50		0.000
Median	41.50		0.000
21	41.44		0.109
21	41.41		0.172
9	41.35		0.272
237	41.29		0.389
13	41.16		0.616
Std Dev	40.95		1.000
92	40.94		1.014
13	40.93		1.032
92	40.50		1.811

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

704 Permanganate			
Lab	%	CaO	
55	41.97		-1.340
Std Dev	41.93		-1.000
Median	41.80		0.000
Std Dev	41.67		1.000
30	41.63		1.340

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
Median	0.00		0.000

706 Other(describe)			
Lab	%	CaO	
56	44.47		-18.090
77	42.27		-4.660
77	42.26		-4.629
Std Dev	41.66		-1.000
15	41.57		-0.426
15	41.57		-0.426
84	41.50		0.000
84	41.50		0.000
Median	41.50		0.000
86	41.49		0.061
82	41.44		0.396
86	41.35		0.914
Std Dev	41.34		1.000
85	41.22		1.736
85	41.22		1.736
22	40.21		7.888

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
35	42.76		-2.036
270	42.65		-1.768
35	42.45		-1.333
10	42.32		-1.037
Std Dev	42.31		-1.000
9	42.28		-0.937
10	42.19		-0.738
21	41.87		0.000
Median	41.87		0.000
21	41.82		0.105
49	41.81		0.127
9	41.74		0.303
237	41.64		0.515
13	41.54		0.750

Std Dev	41.43		1.000
13	41.35		1.179

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

714 Permanganate			
Lab	%	CaO	dB
55	42.35		-1.340
Std Dev	42.30		-1.000
Median	42.17		0.000
Std Dev	42.04		1.000
30	42.00		1.340

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

716 Other(describe)			
Lab	%	CaO	dB
77	42.63		-4.302
77	42.61		-4.202
Std Dev	42.09		-1.000
15	41.98		-0.348
15	41.98		-0.348
86	41.94		-0.100
84	41.93		-0.019
Median	41.92		0.000
84	41.92		0.019
86	41.80		0.765
82	41.80		0.769
Std Dev	41.76		1.000
85	41.65		1.663
85	41.65		1.663
22	40.52		8.574

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	
21	3.38		-1.115

Std Dev	3.36	-1.000
21	3.34	-0.868
270	3.30	-0.651
9	3.29	-0.558
13	3.28	-0.527
55	3.28	-0.527
9	3.28	-0.496
82	3.27	-0.434
35	3.25	-0.310
15	3.24	-0.285
15	3.24	-0.285
51	3.21	-0.062
Median	3.20	0.000
22	3.19	0.062
49	3.18	0.093
13	3.17	0.155
51	3.17	0.186
35	3.12	0.496
86	3.06	0.837
86	3.06	0.837
Std Dev	3.03	1.000
26	3.01	1.146
26	3.00	1.208
84	3.00	1.239
237	2.98	1.332
84	2.97	1.394

803 Other(describe)		
Lab	%	Fluorine, F
22	3.42	-1.880
Std Dev	3.31	-1.000
77	3.18	0.000
Median	3.18	0.000
77	3.08	0.800

911 Atomic Absorption-AFPC		
Lab	ppm	Arsenic, As
55	9.3	0.000
Median	9.3	0.000

912 ICP-induced coupled plasma-AFPC IX.15.B		
Lab	ppm	Arsenic, As
35	20.5	-2.479
270	20.0	-2.341

35	18.5	-1.928
22	15.4	-1.065
Std Dev	15.1	-1.000
82	12.4	-0.234
84	12.0	-0.138
84	11.5	0.000
85	11.5	0.000
Median	11.5	0.000
85	10.5	0.275
86	10.5	0.275
86	10.3	0.344
51	9.5	0.551
51	8.5	0.826

913 Other(describe)		
Lab	ppm	Arsenic, As
13	18.5	-1.340
Std Dev	17.5	-1.000
Median	14.5	0.000
Std Dev	11.5	1.000
77	10.5	1.340

921 Atomic Absorption-AFPC IX.11.A		
Lab	ppm	Cadmium, Cd
88	4	0.000
88	4	0.000
Median	4	0.000
Std Dev	3	1.000
55	3	2.680

922 ICP-induced coupled plasma-AFPC IX.11.B		
Lab	ppm	Cadmium, Cd
82	<3.6	0.000
270	26	-85.611
77	6	-11.167
237	4	-2.475
85	3	-1.303
86	3	-1.117
Std Dev	3	-1.000
86	3	-0.931
85	3	-0.744
35	3	0.000
51	3	0.000
84	3	0.000

84	3	0.000
Median	3	0.000
22	3	0.261
Std Dev	3	1.000
35	3	1.861
77	3	1.861
51	2	3.722

923 Other(describe)		
Lab	ppm	Cadmium, Cd
13	3	0.000
Median	3	0.000

931 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Cobalt, Co
55	7	0.000
Median	7	0.000

932 ICP-induced coupled plasma-AFPC IX.16.A		
Lab	ppm	Cobalt, Co
77	5	-1.542
270	5	-1.542
237	4	-1.017
Std Dev	4	-1.000
22	4	-0.846
82	3	-0.366
Median	3	0.000
35	2	0.366
35	2	0.366
77	2	0.366
Std Dev	1	1.000
84	1	1.017
84	1	1.195

933 Other(describe)		
Lab	ppm	Cobalt, Co
13	4	0.000
Median	4	0.000

941 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Mercury, Hg
Median	0.0	0.000

942 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Mercury, Hg
270	0.0	-5.360
Std Dev	0.0	-1.000
22	0.0	0.000
35	0.0	0.000
35	0.0	0.000
Median	0.0	0.000

943 Other(describe)		
Lab	ppm	Mercury, Hg
13	<0.001	0.000
Median	0.0	0.000

951 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Iolybdenum, Mo
55	12	0.000
Median	12	0.000

952 ICP-induced coupled plasma-AFPC IX.16.		
Lab	ppm	Iolybdenum, Mo
77	21	-3.469
77	19	-2.527
270	16	-1.114
Std Dev	16	-1.000
82	16	-0.902
237	14	-0.064
Median	14	0.000
85	14	0.064
22	13	0.219
84	13	0.299
85	13	0.299
84	13	0.535

953 Other(describe)		
Lab	ppm	Iolybdenum, Mo
13	20	0.000
Median	20	0.000

961 Atomic Absorption-AFPC IX.16.B		
Lab	ppm	Nickel, Ni
77	15	-1.340
Std Dev	14	-1.000
Median	12	0.000

Std Dev	11	1.000
	55	1.340

Lab	ppm	Nickel, Ni
85	23	-1.787

Std Dev	21	-1.000
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85	21	-0.893
237	21	-0.718
86	21	-0.596
86	21	-0.596
84	20	-0.298
84	20	0.000
Median	20	0.000

77	19	0.298
35	19	0.596
82	18	0.744
270	18	0.893

Std Dev	18	1.000
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35	16	2.084
22	15	2.894

Lab	ppm	Nickel, Ni
13	19	0.000

Median	19	0.000
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Lab	ppm	Lead, Pb
55	15	0.000

Median	15	0.000
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Lab	ppm	Lead, Pb
77	19	-3.189
22	16	-1.994
270	15	-1.414

Std Dev	15	-1.000
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237	14	-0.502
77	14	-0.416
51	13	-0.139
Median	13	0.000
35	13	0.139
51	12	0.416

82	12	0.582
35	12	0.693

Std Dev	11	1.000
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84	10	1.802
84	9	2.357

Lab	ppm	Lead, Pb
13	16	0.000

Median	16	0.000
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Lab	ppm	Selenium, Se
981	0	0.000

Median	0	0.000
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Lab	ppm	Selenium, Se
982	3	-2.430

Std Dev	2	-1.000
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84	1	0.000
Median	1	0.000

84	1	0.250
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Lab	ppm	Selenium, Se
983	1	0.000

13	1	0.000
Median	1	0.000

Lab	ppm	Zinc, Zn
991	45	0.000

55	45	0.000
Median	45	0.000

Lab	ppm	Zinc, Zn
992	61	-1.504

Std Dev	57	-1.000
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35	56	-0.712
77	53	-0.317
84	53	-0.317
85	52	-0.079
85	52	-0.079
86	51	0.000
86	51	0.000

Median	51	0.000
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84	51	0.079
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Std Dev	45	1.000
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22	45	1.007
35	44	1.108
82	44	1.124
237	42	1.442
270	39	1.900

Lab	ppm	Zinc, Zn
993	45	0.000

13	45	0.000
Median	45	0.000