TRADET LABORATORIES
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Company: American Energy Corporation
Source: Quarterly Monitoring Well 06-3D
Analysis Number: 1011621

13-Dec-10

PARAMETER	CONCENTRATION		QUALIFIER	DATE & TIME ANALYZED	ANALYST	METHOD	PQL	MDL	
Barium	0.25	mg/L		11-30-10 1535	BS	3111D [1]	0.05	0.01	mg/L
Cadmium	0.01	mg/L		11-27-10 1400	TW	3111B [1]	0.01	0.003	mg/L
Chromium	ND	mg/L		11-27-10 1136	TW	3111B [1]	0.01	0.003	mg/L
Lead	ND	mg/L		11-24-10 1125	BS	3111B [1]	0.02	0.007	mg/L
Mercury	ND	mg/L		12-03-10 1244	BS	245.1 [3]	0.0005	0.0001	mg/L
Zinc	0.018	mg/L		11-23-10 1539	BS	3111B [1]	0.01	0.002	mg/L
Iron	3.66	mg/L		11-26-10 1706	TW	3111B [1]	0.1	0.03	mg/L
Manganese	0.04	mg/L		11-26-10 1706	TW	3111B [1]	0.02	0.006	mg/L
Copper	0.008	mg/L	J	11-23-10 1650	BS	3111B [1]	0.02	0.004	mg/L
Silver	ND	mg/L		11-29-10 1004	BS	3111B [1]	0.01	0.003	mg/L
Fluoride	1.39	mg/L		11-23-10 1025	LW	4500FC [2]	0.05	0.02	mg/L
Chromium, Hexavalent	ND	mg/L		11-19-10 1530	LW	3500 CrD [1]	0.006	0.002	mg/L
Turbidity	61.4	NTU		11-20-10 0920	KW	180.1 [3]	1	0.03	NTU

cc: Cody Mozena, Coal Services Group, Inc.

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit
B – Analyte detected in associated Method Blank

E – Estimated Value above quantitation limits
D - Duplicate not within control limits
H – Holding times for preparation or analysis exceeded
J – Analyte detected below quantitation limits
Q - Quality Control standard exceeds control limits
S – Spike recovery exceeds laboratory control limits

[1] – Standard Methods, 18th Edition
[2] – Standard Methods, 20th Edition
[3] – US EPA
[4] – ASTM
[5] – EPA SW846