TRADET LABORATORIES
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LABORATORY ANALYSES

American Energy Corporation
Century Mine
43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Attn: Mr. Fred Blumling

07-Jan-10

By:_____
TraDet, Inc.

Company:	American Energy Corporation	Sampled By:	QES (EV)
Source:	Quarterly Monitoring Well 06-1S	Date & Time Sampled:	11-12-09 1030
Analysis Number:	0911168	Date & Time Received:	11-12-09 1400

PARAMETER	CONCENTRATION		DATE & TIME ANALYZED	ANALYST	METHOD		PQL	
Temperature, Field	12.5	°C	11-12-09 1030	QES (EV)				
pH, Field	7.59	S.U.	11-12-09 1030	QES (EV)				
pH, Lab[H]	8.11	S.U.	11-16-09 1200	LW	4500HB	[2]		
Total Akalinity (as CaCO3)	350	mg/L	11-17-09 0910	WB	2320B	[2]	5	mg/L
Specific Conductance	11.2	mg/L	11-18-09 0830	LW	D516-02	[4]	5.0	mg/L
Specific Conductance, Lab	672	µmhos/cm	11-16-09 1120	LW	120.1	[3]	10	µmhos/cm
Total Dissolved Solids	359	mg/L	11-13-09 1230	TW	2540C	[2]	10	mg/L
Total Suspended Solids	233	mg/L	11-13-09 1230	TW	2540D	[2]	10	mg/L
Chloride	2.7	mg/L	11-18-09 1203	WB	4500Cl B	[1]	1.85	mg/L
Calcium	55.5	mg/L	12-08-09 1337	BS	3111B	[1]	0.03	mg/L
Magnesium	23.7	mg/L	12-08-09 1047	BS	3111B	[1]	0.01	mg/L
Sodium	58.7	mg/L	12-07-09 1316	BS	3111B	[1]	0.04	mg/L

MCL – Maximum Contaminant Level
MDL – Minimum Detection Limit
NA – Not Applicable
ND – Not Detected at PQL or MDL
PQL – Practical Quantitation Limit

J – Analyte detected below quantitation limits
B – Analyte detecte in associated Method Blank
E – Estimated Value above quantitation limits
H – Holding times for preparation or analysis exceeded
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