INVOICED

TRA-DET INC.
P.O. BOX 2019
WHEELING, WV 26003-0219
(304) 547-9094
FAX: (304) 547-9097

SHIPPING ADDRESS
2596 BATTLE RUN ROAD
TRIADELPHIA, WV 26059-9609

# LABORATORY ANALYSES

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

10-Jul-09

By: William Thorgan
TraDet, Inc.

| | | | |
|---|---|---|---|
| Company: | American Energy Corporation | Sampled By: | QES (WD) |
| Plant: | Century Mine | Date & Time Sampled: | 06-16-09 1600 |
| Source: | D-0425 Pond 013 | Date & Time Received: | 06-17-09 0920 |
| Analysis Number: | 0906555 | | |

| PARAMETER | CONCENTRATION | | DATE & TIME ANALYZED | ANALYST | METHOD | | PQL | |
|---|---|---|---|---|---|---|---|---|
| pH, Field | 8.1 | S.U. | 06-16-09 1600 | QES (WD) | | | | |
| pH, Lab* | 8.30 | S.U. | 06-17-09 1310 | WB | 4500HB | [2] | | |
| Specific Conductance, Lab | 8720 | µmhos/cm | 06-18-09 1625 | LW | 120.1 | [3] | 10.00 | µmhos/cm |
| Total Dissolved Solids | 6830 | mg/L | 06-20-09 1120 | MM/TW | 2540C | [2] | 10 | mg/L |
| Total Suspended Solids | <10 | mg/L | 06-20-09 1120 | MM/TW | 2540D | [2] | 10 | mg/L |
| Iron | 0.1 | mg/L | 07-06-09 1400 | TW | 3111B | [1] | 0.1 | mg/L |
| Manganese | 0.85 | mg/L | 07-06-09 1400 | TW | 3111B | [1] | 0.02 | mg/L |

*Analysis surpassed recommended holding time upon arrival
PQL: Practical Quantitation Limit
[1] Standard Methods, 18th Edition [2] Standard Methods, 20th Edition [3] US EPA [4] ASTM [5] EPA SW846

# Chain Of Custody Record

Customer Name: *American Energy Corporation - Century Mine*
Address: 43521 Mayhugh Hill Road Twp. Hwy. 88
Beallsville, OH 43716
Person to Contact: FRED BLUMLING
Billing Address: Same
Date of Sample Shipment: 6-16-09
How Shipped: QES TO FRIDGE AT MINE PICKUP by LAB--

724-255-4691 AEC - Century
740-782-1767 QES
740-782-1905 QES FAX
304-547-9094 TRADET LAB
304-547-9097 TRADET FAX
Sampler: Quality Environmental Services, Inc. (QES)

## SAMPLE LOG AND ANALYSIS REQUEST

| Lab Use: Lab # | Sample Identification | Containers # and Type | Date | Time | pH / DO | Analysis Requested |
|---|---|---|---|---|---|---|
| 6552 | D-0425 POND 002 | 1-500 mL NP 1-100 mL HNO3 | 6-16 | 1510 | 8.2 | MONTHLY |
| 6553 | D-0425 POND 011 | ↓ | ↓ | 1525 | 8.4 | ↓ |
| 6554 | D-0425 POND 008 | | | 1540 | 8.0 | |
| 6555 | D-0425 POND 013 | | | 1600 | 8.1 | |
| 6556 | D-0425 POND 015 | ↓ | ↓ | 1615 | 8.0 | ↓ |

Relinquished by: (signature) Bill Dater — Date & Time: 6-16 @ 1635
Relinquished by: (signature) — Date & Time:
Received for laboratory by: (signature) — Date & Time: 6-17 @ 1[illegible]
Received in laboratory by: (signature) — Date & Time: 6/17 0[illegible]

Comments:

Preservative Check
Received On Ice Y/N
Temperature Upon Arrival 6.0 °C