

EXPLORATION LOG RSAO6-A2

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 2
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 8/21/2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: THOMPSON/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A
DATE MEASURED: N/A

| ELEVATION/ DEPTH | SOIL & SAMPLE SYMBOLS | USCS | DESCRIPTION | PI | LL | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | Pocket Penetrometer (tsf) | WELL CONSTRUCTION |
|---------------------|---|------|---|----|----|-------------------------|----------------------|---------------------------------|----------------------|
| | | SW | SAND, reddish brown (5YR 4/4), trace silt, 90% sub-angular to sub-rounded, fine to coarse sand, 10% fine to medium gravel, trace calcite lenses, dense, dry, no to very low plasticity, no odor | | | | | | |
| | | SP | SAND, brown (5YR 4/3), 100% very fine to fine sand, dense, dry, low plasticity, no odor | | | | | | |
| | <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 48 44 42 </div> | SW | Collect RSAO6-10B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV | | | | | | |
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| | | SW | ...gravel content increases to approximately 15%, up to 2" in diameter, volcanic origin | | | | | | |
| 20 | 49 42 50 | SW | Collect RSAO6-20B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.0 ppmV | | | | | | |
| 22.5 | | | | | | | | | |
| 25 | | | | | | | | | |
| 27.5 | | | | | | | | | |
| 30 | | SW | SAND, brown (7.5YR 4/3), 85% sub-angular to sub-rounded, fine to coarse sand, 15% fine sub-angular to sub-rounded gravel, very dense, dry, moderately cemented (calcite cement), no plasticity, no odor | | | | | | |
| 32.5 | | | | | | | | | |
| 35 | 12 32 37 | SW | Collect RSAO6-34B, RSAO6-34BMS, RSAO6-34BMSD, PID readings: 10.6 eV = 1.8 ppmV, and 11.7 eV = 0.3 ppmV SAND, dark brown (7.5YR 3/3), greater than 95% fine to coarse sand, trace sub- angular to | | | | | | |

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| | | | sub-rounded fine gravel, very dense, moist, no plasticity END OF BORING AT 35.5 FEET | | | | | | |

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