

EXPLORATION LOG SA158-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: 8-10-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/FERRINGER

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-SM | SAND with silt, reddish yellow (5YR 6/6) , approximately 10% silt, 70%-80% fine to medium sand, 10%-20% coarse sand, trace sub-angular gravel, medium dense, dry, moderate HCl reaction | | | | | | |
| | | SW-SM | SAND with silt, reddish brown (2.5YR 5/ 4), approximately 10% silt, 75%-80% fine to medium sand, 10%-15% coarse sand, trace gravel approximately 1" diameter, dense, dry, strong HCl reaction | | | | | | |
| | 35 49 41 | SW-SM | Collect SA158-10B, PID readings: 10.6 eV = 2.3 ppmV, 11.7 eV = 0.1 ppmV ...weak cementation | | | | | | |
| | | SW | SAND, dark yellowish brown (10YR 3/4), trace silt, 80% fine to medium sand, 20% coarse sand, trace sub-angular gravel, damp, no plasticity, moderate to strong HCl reaction, trace organics (wood fragments) | | | | | | |

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|---------------------|--------------------------|-------|---|----|----|-------------------------|----------------------|---------------------------------|----------------------|
| | | | | | | | | | |
| 20 | 50/4 | SM | Collect SA158-20B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 0.0 ppmV Silty SAND, reddish brown (2.5YR 4/4), 30% silt, 60% very fine to fine sand, 10% medium to coarse sand, very dense, dry, low plasticity, strong HCl reaction | | | | | | |
| 22.5 | | | | | | | | | |
| 25 | | | | | | | | | |
| 27.5 | | SW-SM | SAND, reddish brown (2.5YR 5/4), 10% silt, 75%-80% fine to medium sand, 10%- 15% coarse sand, trace sub-angular volcanic gravel approximately 1" diameter, trace cemented caliche nodules dry, low plasticity, moderate HCl reaction | | | | | | |
| 30 | | | | | | | | | |
| 32.5 | 28 31 26 | SP-SM | Collect SA158-31B SAND with silt, reddish brown brown (2.5YR 5/4), 10%-20% silt, 80%-90% fine to medium sand, trace fine gravel, medium dense, low plasticity, moderate HCl reaction END OF BORING AT 32.5 FEET | | | | | | |
| 35 | | | | | | | | | |

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