

EXPLORATION LOG SA161-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-18-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: THOMPSON/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

| ELEVATION/ DEPTH | SOIL & SAMPLE SYMBOLS | USCS | DESCRIPTION | PI | LL | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | Pocket Penetrometer (tsf) | WELL CONSTRUCTION |
|---------------------|--------------------------|------|---|----|----|-------------------------|----------------------|---------------------------------|----------------------|
| 0 | | PAVE | ASPHALT, approximately 3" thick | | | | | | |
| 1.5 | 19 18 15 | SW | Collect SA161-0.5B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, caliche layers (calcite cement), medium loose to dense, dry, no plasticity, strong HCl reaction | | | | | | |
| 8.5 | | SW | ...8.5' to 9.5' below ground surface (BGS) caliche present | | | | | | |
| 10 | 37 32 50/5 | SW | Collect SA161-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV ...gravel content to 5% | | | | | | |
| 14 | | SW | ...14' to 14.5' BGS caliche present | | | | | | |
| 17.5 | | SW | ...17' to 19' BGS caliche present | | | | | | |

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| | | SW | SAND with gravel, dark reddish brown (5YR 3/4), 90% fine to coarse sand, 10% gravel, well cemented caliche zones present, dense to very dense, dry to damp, no plasticity, strong HCl reaction | | | | | | |
| | | SP | Collect SA161-25B, SA161009-25B, PID readings: 10.6 eV = 0.8 ppmV, 11.7 eV = 0.0 ppmV SAND, yellowish brown (10YR 5/8), 100% very fine to fine sand, dense, damp, no plasticity, weakly cemented, no HCl reaction | | | | | | |
| | | SP | SAND, dark yellowish brown (10YR 5/8), approximately 5% silt, approximately 95% very fine to fine sand, moderate plasticity, no HCl reaction | | | | | | |

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|---------------------|---|------|---|----|----|-------------------------|----------------------|---------------------------------|----------------------|
| | <div style="display: flex; align-items: center;"> <div style="border: 1px dotted black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="text-align: center;"> 9 13 20 </div> </div> | SP | Collect SA161-37B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.3 ppmV | | | | | | |
| | | | END OF BORING AT 38.5 FEET | | | | | | |

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