EXPLORATION LOG SA197-A2

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2 **EXPLORATION DATE:** 8-20-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL **EQUIPMENT:** SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE **LOGGED BY**: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

DATE MEASURED: N/A

DATE MEASURED: N/A

| FINAL DEP | TH TO WATER: | NOT EN | COUNTERED DATE MEASURED: | <u>N//</u> | 4 | | | | |
|-------------------------------------------------------------------------------|-------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-------------------------|----------------------|---------------------------------|----------------------|
| ELEVATION/ DEPTH | SOIL & SAMPLE SYMBOLS USCS | | DESCRIPTION | ₫ | 1 | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | Pocket Penetrometer (tsf) | WELL CONSTRUCTION |
| - 0 - 2.5 5 | | SW | SAND, dark brown (7.5YR 3/3), 100% fine to coarse sub-angular to sub-rounded sand, trace gravel up to 2" diameter, very dense, dry, no plasticity, interbedded 4" layers of caliche, weak HCI reaction | | | | | | |
| - 7.5 - - - | | SW | color to yellowish red (5YR 4/6), gravel content to 10% | | | | | | |
| - 10 - - - - - 12.5 | 40 45 50/5 | SW | Collect SA197-10B, SA197009-10B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 0.0 ppmV | | | | | | |
| - - - 15 - - - - - - - - - - - - | <u> </u> | SW | Gravelly SAND, yellowish red (5YR 5/6), 80% fine to coarse sand, 20% fine to medium gravel, dense, moist, no plasticity | | | | | | |
| ' | The descriptions contained | L within this | exploration log apply only at the enecific exploration location and at the | o tim | o tho o | voloration | was mada | | |

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

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| PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 2 EXPLORATION SIZE (dia.): 3" CORE BARREL ELEVATION: EXISTING GROUND SURFACE | | | | PROJECT NO.: 20092518V1 EXPLORATION DATE: 8-20-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/GAREY | | | | | | | | |
| INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED | | | | DATE MEASURED: DATE MEASURED: | | | | | | | | |
| ELEVATION/ DEPTH | SOIL & SAMPLE SYMBOLS | USCS | DESCRIPTION | | PI | П | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | Pocket Penetrometer (tsf) | WELL CONSTRUCTION | | |
| - - - - 20 - - | 48 42 50/5 | SW | Collect SA197-21B | | | | | | | | | |
| - 22.5 - - - - - 25 - - - - - - 27.5 | _ | | END OF BORING | AT 22.5 FEET | | | | | | | | |

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It is not intended to be representative of subsurface conditions at other locations or times.

- 30

- 32.5

- 35

Figure No.