EXPLORATION LOG SA64-A2

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2 **EXPLORATION DATE: 8-24-2009**

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

ELEVATION: EXISTING GROUND SURFACE LOGGED BY: SEARS/BRINKERHOFF

DATE MEASURED: N/A **INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

FINAL DEP	TH TO WATER:	NOT EN	COUNTERED DATE MEASURED:	N/A	4				
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Ы	11	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 0 		SP-SM	Silty SAND, yellowish brown (10YR 5/4), 45% silt, 55% sand (80% fine sand, 20% coarse sand), trace gravel, medium dense, dry, strong HCI reaction						
- 5		SP-SM	gravel content increases						
-		SP-SM	weak to moderate cementation						
- 7.5 - - -		SP-SM	Silty SAND with gravel, reddish brown (5YR 4/4), 35% silt, 50% sand (70% fine, 25% medium, 5% coarse), 15% sub-angular to sub-rounded gravel, medium dense, dry, strong HCl reaction						
- 10 - - - - - 12.5 - - -	38 39 27	SP	Collect SA64-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV SAND with gravel, yellowish brown (10YR 5/4), 85% sand (80% fine, 20% medium), 15% fine sub-angular to sub-rounded gravel, dense, moist, strong HCI reaction						
15 		SP-SM	Silty SAND, reddish brown (5YR 4/4), 35% silt, 60% sand (85% fine, 15% medium), 5% gravel, dense, dry, weak to moderate cementation, strong HCI reaction						
- 17.5									

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.

EXPLORATION LOG SA64-A2												
PROJECT: EXPLORATEXPLORATELEVATION	EXPLORATION EQUIPMENT	ROJECT NO.: 20092518V1 XPLORATION DATE: 8-24-2009 QUIPMENT: SDC550-24 SONIC CORE RIG OGGED BY: SEARS/BRINKERHOFF										
INITIAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED:												
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION		I	11	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION		
-		SP	SAND with gravel, yellowish brown (10Y 85% sand (85% fine, 15% medium), 15% gravel, dense, moist, strong HCl reaction	6 fine								
- 20 - - - - - - 22.5		SM SP SP	SILT with sand, yellowish brown (10YR section 10 states of the sand), yellowish brown (10YR section 10 states of the sand (90% fine, 10% median section 10 states of the sand (85% fine, 15% median), 15% gravel, dense, moist, strong HCl reaction 10 states of the sand (85% fine, 15% median), 15% gravel, dense, moist, strong HCl reaction 10 states of the sand (85% fine, 15% median), 15% gravel, dense, moist, strong HCl reaction 10 states of the sand (10 state	ium), R 5/4), 6 fine								
-	24 50/3	SP	Collect SA64-23B, PID readings: 10.6 e' ppmV, 11.7 eV = 0.0 ppmV	V = 0.3								
- 25 	_		END OF BORING AT 24.5 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.