EXPLORATION LOG RSAI5

PROJECT: TRONOX PHASE B

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 7/24/2009

PROJECT NO.: 20092518V1

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

DATE MEASURED: NA

LOGGED BY: SEARS/BRINKERHOFF

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

DATE MEASURED: NA

- 111746 041	TITTO WATER.	NO! LIV	DATE MEASURED:	<u>NA</u>					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ā.	7	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
- 0 - - - - 2.5 -	20 21 17	Fill	Yellowish brown (10YR 5/4) silty SAND with gravel. 60% sand (70% fs, 20% ms, 10% cs), 25% silt, 15% gravel (80% fg, 20% mg, trace cg up to 2.5" in diameter), dry, medium dense, strong reaction with HCI. Collect sample RSAI5-0.5B, EB072409-SO. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV= 0.0 ppmV.						
- 5 - - - 7.5 - -		SP-SM	Yellowish brown (10YR 5/4), silty SAND with gravel. 60% sand (80% fs, 20% ms), 25% silt, 15% gravel (85% fg, 15% mg), dry, medium dense, strong reaction with HCl.			The state of the s	Tributal tri	The state of the s	
10 - - 12.5 -	21 30 33		Collect sample RSAI5-10B, RSAI5009-10B, PID readings: 10.6 eV=0.0 ppmV, 11.7 eV= 0.0 ppmV.	, manufacture.	The state of the s				
- - 15 - -			increase coarse sand, decrease silt.	, martinament and the state of					

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.

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

EXPLORATION LOG RSAI5

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE: 7/24/2009

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

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

INITIAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: NA DATE MEASURED: NA

				11/1					
LEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	Id	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL
- 17.5 - - - 20 - - - 22.5									
- 25 - - - - 27.5	32 50/5	SC	Yellowish brown (10YR 5/4) clayey SAND. 65% sand (100% fs), 35% lean clay, trace gravel, moist, dense, strong reaction with HCl. Brown (7.5YR 4/4) poorly graded SAND. 70% sand (80% fs, 20% cs), 15% silt, 15% gravel (100% fg, subangular-subrounded), moist, dense, strong reaction with HCl.		100.00				
- - - - - - - - - - - -			Collect sample RSAI5-28B. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV. END OF BORING AT 28.9 FEET	, manual extraction and the state of the sta					
-	The descriptions contained								

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Figure No.