## **EXPLORATION LOG SA72**

**PROJECT: TRONOX PHASE B** 

PROJECT NO.: 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 1

**EXPLORATION DATE: 7/27/2009** 

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 FINAL DEPTH TO WATER. NOT ENCOUNTEDED

DATE MEASURED: NA

FINAL DEP	TH TO WATER:	NOT EN	NCOUNTERED DATE MEASURED: NA						
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ā	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
-2.5	16 16 20	Fill	Yellowish brown (10YR 5/4) silty SAND with gravel (65% sand (80% fs, 20% ms, trace cs), 20% silt, 15% gravel (90% fg, 10% mg, subangular to subrounded), dry, medium dense, strong reaction to HCl. Collect sample SA72-0.5B, PID readings: 10.6eV=6.1 ppmV, 11.7eV=3.4 ppmV.						
- 5 - - - - 7.5 - - -		SP-SM	Alluvium, yellowish brown (10YR 5/4) poorly graded SAND with silt (65% sand, (75% fs, 20% ms, 5% cs), 25% silt, 10% gravel (80% fg, 20% mg)), dry, medium dense, weak to moderate cementation, strong reaction to HCl.		, metricular control c				
- 10 - - - - 12.5 - - - - 15	15 31 31		Collect sample SA72-10B. PID readings: 10.6eV=0.1 ppmV, 11.7eV=0.8 ppmV.						
-			reddish brown (5YR 4/4), low plasticity.						

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 SA72

PROJECT: TRONG	UX DHV6	

**EXPLORATION LOCATION:** TRONOX AREA 1

EXPLORATION SIZE (dia.): 3" CORE BARREL

**ELEVATION:** EXISTING GROUND SURFACE

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

PROJECT NO.: 20092518V1

**EXPLORATION DATE: 7/27/2009** 

**EQUIPMENT:** SDC550-24 SONIC CORE RIG

LOGGED BY: SEARS/BRINKERHOFF

DATE MEASURED: NA

DATE MEASURED: NA

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EVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Ы	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
- 17.5 - - - - 20									
- - 22.5 -	-	SP	Reddish brown (5YR 4/4) poorly graded SAND (85% sand (80% fs, 15% ms, 5% cs), 10% silt, 5% gravel (100% fg)), moist, medium dense, strong reaction with HCl.	The state of the s			100 E		
- 25 -		SP-SM	Yellowish brown (10YR 5/4) silty SAND (65% sand (100% fs), 35% silt, trace gravel), moist, medium dense, strong reaction with HCl.		. mmg Addin				
- 27.5			weak to moderate cementation, dense.	1 mm/Addison	HILLIA COMPRANIAL	THE PARTY AND TH	, pure i manu		
- - - 30	38 42 47		Collect sample SA72-29B, PID readings: 10.6eV=0.1 ppmV, 11.7eV=0.5 ppmV.			THE PARTY OF THE P	7		
-			END OF BORING AT 30.5 FEET						
-							1		
- 32.5									
- 34.5									
-									
⊢ .	L The descriptions contained								

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**GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.** 

Figure No.