EXPLORATION LOG SA69

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 7/7/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/DAVIS

DATE MEASURED: NA

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

DATE MEASURED: NA

<u> </u>		7		11/1			····		
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Id	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
_ o		Fill	4 inches of asphalt, approximately 1 foot of substrate.						
- - - - - - - - - - - -		SW-SM	Reddish brown (5YR 4/3) well graded SAND with silt. 80-90% sand, 10-20% silt, trace gravel, dry. Collect sample SA69-0.5B, dry. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.4 ppmV.		, , , , , , , , , , , , , , , , , , , ,	0000	, ville		
- - - 7.5		SM	Reddish brown (5YR 4/3) silty SAND, 70 90% fine to medium grained sand, 10-30% silt, trace caliche nodules/lenses less that 2 inches thick.	, mmman.	The state of the s				
- 10 - -	28 27 34		9-10 feet, 5-8% subangular to subrounded gravel, less than 2 inches in diameter. Collect sample SA69-10B, very dense, dry. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.2 ppmV.	nama.	, months.c.			THE ANALYSIS OF THE PARTY OF TH	
- - 12.5 - - - -				The second secon	**************************************			AMERICANIA - CAMBRIANIA - CAMBR	
– 15					merry Admin		Annual Administration of the Control	***	
		sw	Well graded SAND with silt. 90-95% fine to medium grained sand, 5-10% silt.					***************************************	

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 SA69

PROJECT: TRONOX PHASE B	JNOX DHVCE B	FCT.	PRO.

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION SIZE (dia.): 3" CORE BARREL

ELEVATION: EXISTING GROUND SURFACE

EXPLORATION DATE: 7/7/2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/DAVIS

PROJECT NO.: 20092518V1

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEP	TH TO WATER:	NOT EN	COUNTERED DATE MEASURED:	NA				
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	<u>a</u>	 MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL
- 17.5		SM	Reddish brown silty SAND, low plasticity.					
- 20		SW	Dark reddish brown (5YR 4/3) well graded SAND, trace silt; fine to medium grained sand. non plastic, Dry.		THE PARTY OF THE P			
- - - 22.5 -			21-22 feet, weak cementation, calcite cement.	· complaint.				
- - 25 -		ML	Muddy Creek Formation. Reddish brown (2.5YR 5/4) SILT with sand, trace clay, trace gypsum. 85-95 silt, 5-15% fine grained sand.	manus				
- 27.5 - -			Moist at 27 feet.		 ***************************************			
- - - 30	9 25 20		Collect sample SA69-29B, hard, moist. PID readings: 11.7 eV 4.7 ppmV, 10.6 eV 0.4 ppmV.	THE POST SAME	 Annua esta de la composição de la compos	***************************************		
			END OF BORING AT 30.5 FEET					
— 32.5 - -	:					7		
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