EXPLORATION LOG RSAI2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 6/26/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	<u>a</u> .	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
- 2.5		SW-SM	Reddish brown (5YR 4/4) well graded SAND with silt and gravel. 60-80% fine to coarse grained sand, 10-20% subrounded to angular gravel less than 2 inches in diameter, volcanic, 5-10% silt. Low plasticity, dry.					
- 5 - - - 7.5		SW	Reddish brown (5YR 4/4) well graded SAND with silt, trace gravel. 90-95% fine to coarse grained gravel, 5-10% silt, trace subrounded gravel. 5.5-6 feet, weakly cemented.	Tribble				
— 10 - - -	29 34 32		9-10 feet, thin caliche lenses less than 2 inches wide. Collect sample RSAI2-10B, RSAI2009-10B. Very dense, dry. PID readings: 11.7 eV 0.6 ppmV, 10.6 eV 0.1 ppmV.			TO AND THE STATE OF THE STATE O	THE PARTY OF THE P	
- 12.5 - - - - - 15 - -	N		16-17 feet thin caliche lenses less than 2 inches wide.	The second secon				

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 RSAI2

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE: 6/26/2009

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

ELEVATION: EXISTING GROUND SURFACE LOGGED BY: SEARS/DAVIS

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

	III IO WAILIN.	INOT EN	COUNTERED DATE WEASURED:	IVA					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	į.		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
- 17.5 - -		SW-SM	Reddish brown (5YR 4/4) well graded SAND with silt and gravel. 70-80% fine to coarse grained sand, 10-20% subangular gravel, less than 2 inches diameter, volcanic, 5-10% silt. Low platicity, dry.	111111111111111111111111111111111111111					
- - 20 - -	39 34 32		Collect sample RSAI2-20B. Very dense, dry. PID readings: 11.7 eV 14 ppmV, 10.6 eV 2.1 ppmV.		,				
- 22.5 - - -		C)M/	Crowells CAND 70 000/ 5		, mm/Linux.				
- 25		SW	Gravelly SAND. 70-80% fine sand, 20-25% coarse gravel, 2-5% silt.						
- - - - - 27.5		SW	Reddish brown (5YR 4/4) well graded SAND. 90-95% fine to medium grained sand, 5 10% silt, trace gravel, dry.		annu Labor				
- - - - 30		SM	Reddish brown (5YR 4/3) silty SAND (Muddy Creek Formation?). 70-90% fine grained sand, 10-30% silt, moist.						
- - - - 32.5	14 15 24		Collect sample RSAI2-31B. Very dense, moist. PID readings: 11.7 eV 11.2 ppmV, 10.6 eV 0.4 ppmV.				1777/18		
-			END OF BORING AT 32.5 FEET						

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Figure No.