## **EXPLORATION LOG** RSAM2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 1

**EXPLORATION DATE: 7/10/09** 

EXPLORATION SIZE (dia.): 3" CORE BARREL

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

**ELEVATION: EXISTING GROUND SURFACE** 

LOGGED BY: THOMPSON/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

DATE MEASURED: NA

FINAL DEP	TH TO WATER:	NOTEN	COUNTERED DATE MEASURED:	<u>NA</u>		*****			
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	İd		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL
_ o		FILL					100		
- 2.5		SW-SM	Reddish brown (5YR 4/4) well graded SAND with silt, trace gravel. 70-90% fine-medium grained sand, 10-20% silt, trace gravel. Gravel less than 3 inches diameter, subrounded, volcanic. Dry.						
55			5-10 feet; 5-8% gravel, subrounded- subangular, less than 2 inches diameter, volcanic.				omerania.		
-7.5 - - - -10	46 50/5 50/5		Collect sample RSAM2-10B, very dense, dry.	. mm/AAAA			To the second se		
— 12.5 ~				- commontance -	T THE PARTY OF THE	To the second se		TO ANALONS AND ANA	
- - 15 - - - -					, mmmyalani.	The state of the s	1		

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.

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PROJECT NO.: 20092518V1

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**EXPLORATION DATE: 7/10/09** 

EXPLORATION SIZE (dia.): 3" CORE BARREL

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

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LOGGED BY: THOMPSON/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEI	TH TO WATER:	NOTEN	COUNTERED DATE MEASURED:	<u>NA</u>					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	i.	7	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
- 17.5 - - - - 20 - - - - 22.5	60 60 60	CL	18-19 feet; trace caliche lenses/nodules, light gray to white.  Collect sample RSAM2-20B, RSAM2009-20B, very dense, dry.  Brown (7.5YR 5/3) sandy CLAY. 80-90% lean clay, 10-20% fine grained sand, high plasticity.						
- - - 25 - - - - 27.5		ML	Muddy Creek Formation. Reddish brown (5YR 4/4) SILT with sand, 85-90% silt, 10-15% fine grained sand, trace clay, dry. 24-24.5 feet; moderately cemented, calcite cement.	THE PARTY OF THE P	To an analysis of the state of			A Administration of the Contract of the Contra	
- - - - - - - 32.5			moist, decrease sand content.				The second secon	And an artist of the state of t	

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GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

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RSAM2 PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1 **EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE: 7/10/09** EXPLORATION SIZE (dia.): 3" CORE BARREL **EQUIPMENT:** SDC550-24 SONIC CORE RIG **ELEVATION: EXISTING GROUND SURFACE** LOGGED BY: THOMPSON/DAVIS INITIAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: FINAL DEPTH TO WATER: NOT ENCOUNTERED **DATE MEASURED:** NA CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) % SWELL ELEVATION/ SOIL & SAMPLE **USCS** DESCRIPTION 님 豇 **DEPTH SYMBOLS** 35 Collect sample RSAM2-35B, very stiff, moist. 13 16 **END OF BORING AT 36.5 FEET** 37.5 40 42.5 45

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- 47.5

- 50

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Figure No.