## **EXPLORATION LOG** RSAL3

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

**EXPLORATION LOCATION: TRONOX AREA 1** 

**EXPLORATION DATE: 7/1/2009** 

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: NA** 

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEP	THIO WATER:	NOTEN	DATE MEASURED:	NA					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ā.	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
-		Fill	100000000000000000000000000000000000000						
- 2.5		SW-SM	Brown (10YR 4/3), well graded SAND with silt, 80-90% fine to coarse grained sand, 10-20% silt, trace subangular to subrounded gravel, less than 2 inches diameter, volcanic. Low plasticity, dry.						
- - - - 7.5			Reddish brown (5YR 4/4), increase gravel content, 5-8% subangular to subrounded gravel, volcanic.	· mmyny Addis		and the state of t			
- - - - -			Brown (10YR 4/3). Weak cementation 8-9.5 feet, lenses of cemented material less than 2 inches thick.		77				
10  - -	19 30 38		Collect sample RSAL3-10B, very dense, dry. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.2 ppmV.	THE THE PARTY OF T	, minima Addition.	111111111111111111111111111111111111111	omava		
12.5  - - -			13-14 feet, weak cementation, calcite cement, dry.		Tomorrow Administra	The state of the s	THE AND ADDRESS OF THE ADDRESS OF TH	TOTAL PARTY AND ADDRESS OF THE PARTY AND ADDRE	
— 15 - - -			16-17.5 feet, moderate to strong cementation, dry.				THE STATE OF THE S		

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** RSAL3

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 1

**EXPLORATION DATE: 7/1/2009** 

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 DEF	TH TO WATER:	NOT EN	COUNTERED DATE MEASURED:	NA					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	d		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL
- 17.5 - - - - - 20		ML	19-20 feet, moderate to strong cementation.  Muddy Creek Formation. Reddish brown, (5YR)	The second secon					
- 22.5		IVIL	5/4) SILT with sand, 80-90% silt, 10-20% fine grained sand. Low plasticity, moist.	The state of the s		The state of the s			
- 25 - - -				A control of the cont	1000000			T. A.	
- 27.5 - - - 30 -	8 12 16		Collect sample RSAL3-30B, very stiff, moist. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 0.4 ppmV.	THE PARTY OF THE P	The second secon		TOTAL	The state of the s	
- - - 32.5 - -			END OF BORING AT 31.5 FEET						

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.