# EXPLORATION LOG RSA05-A2

PROJECT: TRONOX PHASE B

EXPLORATION LOCATION: TRONOX AREA 2 EXPLORATION SIZE (dia.): <u>3" CORE BARREL</u> ELEVATION: EXISTING GROUND SURFACE **PROJECT NO.:** <u>20092518V1</u>

EXPLORATION DATE: 8-27-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED DA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

### DATE MEASURED: N/A

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Ы	ΓΓ	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	SAND with gravel, dark reddish brown (5YR 3/ 4), 90% fine to coarse sub-angular to sub- rounded sand, 10% fine to coarse sub-angular to sub-rounded gravel, trace caliche fragments, loose to medium dense, dry, no plasticity,						
- 10 - - - - - - 12.5		SW	Collect RSAO5-10B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmVgravel content to trace amounts						
- - - - - - - - -		SW	calichified, color to reddish brown (5YR 4/4), dense						
- 17.5	The descriptions contained	within this e	exploration log apply only at the specific exploration location and at the ded to be representative of subsurface conditions at other locations c	le time	e the ex	ploration	was made		

#### **GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.**

Figure No.

# EXPLORATION LOG RSA05-A2

	PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TRONOX AREA 2				PROJECT NO.: 20092518V1 EXPLORATION DATE: 8-27-2009						
EXPLORAT	ION SIZE (dia.):	BARREL	EQUIPMENT: SDC550-24 SONIC CORE RIG								
	N: EXISTING GRO			LOGGED BY: SEAR			<u>- Y</u>				
INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED				DATE MEASURED: N/A DATE MEASURED: N/A							
ELEVATION/ DEPTH			DESCRIF	TION	₫	Γ	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
		SW	heavy calcite cementat reddish brown (5YR 6/3) Collect RSAO5-25B, PID 0.4 ppmV, 11.7 eV = 0.0	readings: 10.6 eV =							
- - - 35		SW	strong gypsum cement	ation							
F											

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.

Figure No.

# **EXPLORATION LOG RSAO5-A2**

**PROJECT:** TRONOX PHASE B PROJECT NO.: 20092518V1 **EXPLORATION LOCATION:** TRONOX AREA 2 EXPLORATION DATE: 8-27-2009 EXPLORATION SIZE (dia.): 3" CORE BARREL EQUIPMENT: SDC550-24 SONIC CORE RIG **ELEVATION: EXISTING GROUND SURFACE** LOGGED BY: SEARS/GAREY **INITIAL DEPTH TO WATER: NOT ENCOUNTERED** DATE MEASURED: N/A FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: N/A MOISTURE CONTENT (%) ELEVATION/ SOIL & SAMPLE USCS Ц DESCRIPTION ٩ DEPTH SYMBOLS 37.5 SW ...strong gypsum cementation SP SAND with silt, yellowish red (5YR 5/8), 10% silt, 90% very fine to fine sand, low plasticity, 40 minor zones of cementation, weak HCI reaction 21 25 SP Collect RSAO5-41, RSAO5-41BMS, RSAO5-41BMSD, PID readings: 10.6 eV = 0.4 ppmV, 26 11.7 eV = 0.0 ppmV42.5 **END OF BORING AT 42.5 FEET** 45 47.5 50 52.5

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Figure No.

WELL CONSTRUCTION

Penetrometer (tsf) Pocket

DRY DENSITY (pcf)