EXPLORATION LOG SA56

PROJECT:	TRONOX PHASE B	PROJEC:
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PROJECT NO.: 20092518V1 **EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE: 6/29/2009**

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

ELEVATION: EXISTING GROUND SURFACE LOGGED BY: SEARS/BRINKERHOFF

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

		1101 111	DATE MEASURED:	IVA			<u> </u>		
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	ā	T	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
_ 0 _ _ _ 2.5 _ _		Fill	Yellowish brown (10YR 5/4), poorly graded SAND with silt. 70% sand (85% fs, 15% cs), 30% silt, trace gravel, moist, dense.	THE PARTY OF THE P					
- 5 - - - 7.5 - -		SP-SM	Yellowish brown (10YR 5/6) poorly graded SAND with silt. 70% sand (85% fs, 15% cs), 30% silt, trace gravel, moist, weak to moderate cementation, strong reaction to HCl, medium dense. PID readings; 10.6 eV=4.2 ppmV, 11.7 eV=3.9 ppmV.						
10 12.5 	19 17 22		Collect sample SA56-10B. Yellowish red (5YR 5/6).		- The state of the				
- - 15				· committee of the control of the co		e e e e e e e e e e e e e e e e e e e			
-		SM	Yellowish brown (10YR 5/4) sandy SILT. 40% sand (80% fs, 20% cs), 55% silt, 5%						

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 SA56

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1

EXPLORATION DATE: 6/29/2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/BRINKERHOFF

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL 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		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
— 17.5 - -	7		subangular gravel. Dry, weak-moderate cementation, strong reaction to HCI.	THE PARTY OF THE P				
- 20 		SP	Black (10YR 2/1) poorly graded SAND with gravel. 70% sand (80% fs, 5% ms, 15% cs), 30% gravel (subangular to subrounded, volcanic), trace silt, trace organics, moist, strong reaction to HCI.	and the state of t				
- - - - 25 - -	19 50/3	SP-SM	Reddish brown (5YR 4/4) poorly graded SAND with silt and gravel. 60% sand (85% fs, 15% cs), 30% silt, 20% subangular gravel, moist, moderately cemented, strong reaction to HCI, dense. Collect sample SA56-25B. PID readings: 10.6 eV=3.2 ppmV, 11.7 eV=4.5 ppmV.	THE PARTY OF THE P		1700000	The state of the s	
- 27.5 30 			white (5YR 8/1) coating, weak to no reaction with HCl.					
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Figure No.

EXPLORATION LOG SA56

PROJECT: TRONOX PHASE B PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 1 EXPLORATION DATE: 6/29/2009

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

ELEVATION: EXISTING GROUND SURFACE LOGGED BY: SEARS/BRINKERHOFF

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

		7	DATE MEASURED:	INA					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	<u>-</u>	1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		SC	Muddy Creek Formation. Yellowish brown (10YR 5/6) clayey SAND. 60% fine grained sand, 40% lean clay, trace gravel, moist, laminated, weak reaction with HCl, medium dense.						
- 37.5 -	8 14 20		Collect sample SA56-37B. PID readings: 10.6 eV=4.8 ppmV, 11.7 eV=4.2 ppmV.	77.44.1		THE ALLES			
_			END OF BORING AT 38.5 FEET						
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Figure No.