## EXPLORATION LOG RSAP5-A4

PROJECT:       TRONOX PHASE B         EXPLORATION LOCATION:       TRONOX AREA 4         EXPLORATION SIZE (dia.):       3" CORE BARREL				PROJECT NO.: 200 EXPLORATION DAT EQUIPMENT: SDC5	TE: <u>10-7-2009</u> 550-24 SONIC CORE RIG							
ELEVATION: EXISTING GROUND SURFACE			JRFACE	LOGGED BY: SEAF	RS/C	GARE	ΞY					
INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED				DATE MEASURED: DATE MEASURED:								
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION		Гd		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION		
- - - - - - - - - - - - - - - - - - -		FILL	Collect RSAP5-0.5B, PID 0.0 ppmV FILL: SAND with gravel, \$ (2.5YR 5/4), 90% fine to o sub-rounded sand, 10% f angular to sub-rounded v medium loose, dry, no pla reaction SAND, reddish brown (5) coarse sand, 5% fine to n medium loose, dry to dan HCI reaction	SW, reddish brown coarse sub-angular to ine to medium sub- olcanic gravel, asticity, strong HCI (R 4/4), 95% fine to nedium gravel,								
-		SW	calcite cementation									
- 10 - - - -	19 12 12	SW	Collect RSAP5-10B, RSA readings: 10.6 eV = 0.1 p									
- 12.5 - - - - - 15 - - - - -		SW	SAND, reddish brown (5) coarse sand, 5% fine to n medium loose to dense, o plasticity, zones of moder cementation	nedium gravel, dry to damp, no								
- 17.5 -			avaloration log apply only at the speci									

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 RSAP5-A4

 PROJECT:
 TRONOX PHASE B

 EXPLORATION LOCATION:
 TRONOX AREA 4

 EXPLORATION SIZE (dia.):
 3" CORE BARREL

 ELEVATION:
 EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1

EXPLORATION DATE: 10-7-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED DATE MEASURED: N/A

DATE MEASURED: N/A

EVATION/ SOIL & SAMPLE DEPTH SYMBOLS U		USCS	DESCRIPTION	Ы	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL
- - - 20		SW	gravel content to trace amounts						
- - 22.5 - -									
- 25 - - -	30 50 50/4	SW	Collect RSAP5-25B, PID readings: 10.6 eV = 0.0 ppmV						
- - 27.5 - -									
- 30 									
- - 32.5 - -									
- 35 -		SP	SAND, light reddish brown (5YR 6/4), trace silt, 100% very fine to fine sand, trace nodules of well cemented sand, dense, dry, very low plasticity, moderate HCI reaction						

Figure No.

## EXPLORATION LOG RSAP5-A4

PROJECT: TRONOX PHASE B EXPLORATION LOCATION: TF EXPLORATION SIZE (dia.): 3" ELEVATION: EXISTING GROUD INITIAL DEPTH TO WATER: NO FINAL DEPTH TO WATER: NO	RONOX AREA 4 CORE BARREL ND SURFACE OT ENCOUNTERED	PROJECT NO.: 20092518V1 EXPLORATION DATE: 10-7-2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/GAREY DATE MEASURED: N/A DATE MEASURED: N/A							
ELEVATION/ SOIL & SAMPLE DEPTH SYMBOLS U	USCS DESCRIPT	ΓΙΟΝ	E	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION	
17	SW Collect RSAP5-39B, PID r 0.0 ppmV fine to coarse sub-angul sand, loose SAND, yellowish red (5YR very fine to fine sand, dam END OF BORING A	ar to sub-rounded						3	

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Figure No.