EXPLORATION LOG SA92-A2

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2 **EXPLORATION DATE: 8-10-2009**

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

ELEVATION: EXISTING GROUND SURFACE LOGGED BY: SEARS/FERRINGER

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

FINAL DEF	TH TO WATER:	NOT EN	COUNTERED DATE MEASURED:	N/A					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	Id	П	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
- 0 - - - - 2.5 - - -		SW-SM	SAND with silt, reddish brown (5YR 6/6), 10% silt, 70%-80% fine to medium sand, 10%-20% coarse sand, trace fine sub-angular gravel, medium dense, dry, moderate HCl reaction						
— 5 - - - - 7.5 - - -		SW-SM	color to reddish brown (5YR 4/3)						
— 10 - - - -	19 24 38	SW-SM	Collect SA92-10B, SA92-10BMS, SA92- 10BMSD, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
- 12.5 - - - - - 15 - - -		SW-SM	SAND with silt, yellowish red (5YR 4/6), 10% silt, 65%-75% fine to medium sand, 10%-20% coarse sand, 5% sub-angular volcanic fine gravel, trace caliche nodules up to 1" diameter, no to low plasticity, strong HCI reaction						
- 17.5									

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ld	П	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
-									
- 20 - - - - - 22.5 - -	50/5	SW-SM	Collect SA92-20B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV SAND with silt, reddish brown (5YR 4/3), 10% silt, 70%-80% fine to medium sand, 10%-20% coarse sand, trace fine sub-angular volcanic gravel, trace caliche nodules less than 1" diameter, very dense, dry, low plasticity, strong HCI reaction						
- - 25 - - - - - - 27.5									
- - - - - 30	20								
- - - 32.5 - - - - - - 35	20 30 47	SW	Collect SA92-31B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 2.4 ppmV SAND, brown (7.5YR 4/4), 75% fine to medium sand, 25% coarse sand, trace fine sub-angular volcanic gravel, dense, damp, no plasticity, strong HCl reaction, likely facies change prior to Muddy Creek Formation END OF BORING AT 32.5 FEET						

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Figure No.