EXPLORATION LOG SA152

PROJECT: TRONOX PHASE B				PROJECT NO.: 200							
EXPLORATION LOCATION: TRONOX AREA 1				EXPLORATION DATE: 6/29/2009							
EXPLORATION SIZE (dia.): 3" CORE BARREL ELEVATION: EXISTING GROUND SURFACE				EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/DAVIS							
	-						ř	_			
INITIAL DEPTH TO WATER: NOT ENCOUNTERED FINAL DEPTH TO WATER: NOT ENCOUNTERED				DATE MEASURED: DATE MEASURED:			<u></u>				
		T		DATE MEAGURED.	120		T		7	T	
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIF	PTION	ā.		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL	
		Fill			 						
-		'									
- 2.5		SW-SM	Reddish brown (5YR 4/4 with silt, trace gravel. 80- grained sand, 10-15% si subangular gravel, volca	990% fine to coarse ilt, trace subrounded to						TO ANALYSIS OF THE PROPERTY OF	
- 5 - - - - 7.5 -		SW SW-SM	with silt. 85-90% fine to c	ed sand, 15 30% ar gravel, less than 2 anic, 5-10% silt, dry.) well graded SAND coarse grained sand,							
- 10 - -	16 65 64		10-15% silt, trace gravel. Collect sample SA152-10 PID readings: 11.7 eV 15	0B, very dense, dry.					Annual Annua		
- 12.5 - - - - - 15		sw	Reddish brown (5YR 4/4) silt. 60-80% fine to coarse 25% subrounded to suba than 2 inches in diameter	e grained sand, 15- ingular gravel less		. materials	- Parket		, and the second		
		SW-SM	Reddish brown (5YR 4/4) with silt. 85-90% fine to co 10-15% silt, trace gravel.) well graded SAND oarse grained sand,					***************************************		

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 SA152

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/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA

	-			11/1					
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	uscs	DESCRIPTION	ā		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
17.5 20	66 50 48		18 feet, coarse gravel/cobble larger than 3 inches diameter, volcanic. Collect sample SA152-20B, very dense, dry. PID readings: 11.7 eV 2.3 ppmV, 10.6 eV 1.4 ppmV.						
- - 22.5 - -			22-23 feet, 5-8% gravel less than 2 inches diameter.	, may have	, management				
- - - 25 -			24-25 moderate to strong cementation, calcite cement.	T TOTAL COLUMN TO THE TOTA	, mmetalati.			***************************************	
- 			27 feet, slightly moist.28-29 feet, weak cementation, calcite cement, caliche nodules.	- Company	, mm-ratari			**************************************	
- - - - -		ML	Muddy Creek Formation. Reddish brown (7.5YR 5/4) sandy SILT, 70-80% silt, 20-30% fine grained sand low plasticity, moist.						***************************************
- 32.5 - -				111770		- Table			

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GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

EXPLORATION LOG SA152

EXPLORATE EXPLORATELEVATION	TRONOX PHASE FION LOCATION: FION SIZE (dia.): N: EXISTING GROUNT EXISTING CROUNT EXISTING CROUNT EXISTING CROUNT EXISTING COUNT EXISTING COUN	PROJECT NO.: 20092518V1 EXPLORATION DATE: 6/29/2009 EQUIPMENT: SDC550-24 SONIC CORE RIG LOGGED BY: SEARS/DAVIS DATE MEASURED: NA DATE MEASURED: NA								
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION		<u>d</u>		MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL
- 35	6 12 16		Collect sample SA152-3 PID readings: 11.7 eV 0. ppmV. END OF BORING							
37.5						THE PARTY NAMED IN COLUMN TO THE PARTY NAMED	THE PARTY OF THE P			MANAGEMENT AND
- 40						Transfer Australia			The state of the s	
-						Transferance Lands and Control of	THE PARTY OF THE P	**	The state of the s	The state of the s
- 42.5 - - -								į		THE STATE OF THE S
45 - -							7 m			
- 47.5 - -						mmAddin.	7997	announce of the control of the contr	***************************************	
- - 50 -							, 1974	THE PERSON NAMED IN COLUMN 1		

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GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.