EXPLORATION LOG SA132-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 6.25" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

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

DATE MEASURED: N/A

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	ld	וד	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
o									
		PAVE	ASPHALT approximately 4" thick						
-	19 18 16	FILL	Collect SA132-0.5B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV FILL: Gravelly SAND, dark reddish brown (5YR 3/4), 85% fine to coarse sand, 15% fine to medium gravel, trace caliche fragments, dry						
- 2.5 - - - - 5 - - - - 7.5 - -		SW	SAND with gravel, light reddish brown (5YR 6/4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to coarse gravel, medium dense, dry, no plasticity, strong HCI reaction						
- 10	50/3	SW	Collect SA132-10B, SA132009-10B PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmVreddish brown (5YR 4/4), calichified zones						

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 SA132-A3

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1 **EXPLORATION LOCATION:** TRONOX AREA 3 **EXPLORATION DATE:** 10-23-2009 EXPLORATION SIZE (dia.): 6.25" 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 WELL CONSTRUCTION MOISTURE CONTENT (%) DRY DENSITY (pcf) Pocket Penetrometer (tsf) **ELEVATION/** SOIL & SAMPLE USCS **DESCRIPTION DEPTH** SYMBOLS 17.5 SW ...damp 20 SW Collect SA132-20B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV22.5 SP SAND, pinkish grey (5YR 7/2), 100% very fine to fine sand, damp, no plasticity, gypsum cementation 25 SP ...trace silt, medium loose, damp, low plasticity 27.5 SP SAND with silt, yellowish red (5YR 4/6), 5% silt, 95% very fine to fine sand, scattered gypsum and calcite concretions, moist 32.5

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GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.

EXPLORATION LOG SA132-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 6.25" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-23-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/GAREY

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

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

FINAL DEPTH TO WATER:		NOT EN	COUNTERED DATE MI	DATE MEASURED:								
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION			1	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL		
- - 35	9 11	SP	Collect SA132-34B, PID readings: 0.1 ppmV, 11.7 eV = 0.7 ppmV	10.6 eV =								
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GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.

Figure No.