

EXPLORATION LOG SA127-A1

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 1
EXPLORATION SIZE (dia.): 3' CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 7/31/2009
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

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	Gravelly SAND, light reddish brown (5YR 6/4), trace silt, 85% fine to coarse sub-angular to sub-rounded sand, 15% fine to medium sub-angular to sub-rounded gravel, trace caliche clasts, medium dense, dry, moderate HCl reaction						
		SW	...color to light brown (7.5YR 6/4)						
		SW	...color to light reddish brown (5YR 6 4) Collect SA127-10B, PID readings: 10.6 eV = 3.3 ppmV, 11.7 eV = 6.8 ppmV						
		SW	SAND, dark reddish brown (5YR 3/3), 95% fine to medium sub-angular to rounded sand, 5% fine gravel, dry, no plasticity, strong HCl reaction, well cemented (gypsum cement), no odor						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
20		SP	SAND, reddish yellow (7.5YR 6/8), 100% very fine to medium sub-angular to sub-rounded sand, dense, damp, strong HCl reaction, calichified, no odor						
22.5		SP	Collect SA127-20B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.0 ppmV						
25									
27.5		SP-SM	MUDDY CREEK FORMATION: Silty SAND, yellowish brown (10YR 6/8), 30% silt, 70% very fine to fine sub-angular to sub-rounded sand, loose, wet, high plasticity, no HCl reaction, no odor						
30									
32.5		SP-SM	Collect SA127-32B, PID readings: 10.6 eV = 1.2 ppmV, 11.7 eV = 5.4 eV						
35			END OF BORING AT 33.5 FEET						

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