

EXPLORATION LOG RSAR4-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: 9-30-2009
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
0		FILL	FILL: SAND, reddish brown (5YR 5/4), 95% fine to coarse sub-angular to sub-rounded						
2.5		PAVE FILL	sand, 5% fine to medium sub- angular to sub- rounded gravel, glass and brick fragments, dense, dry, no plasticity ASPHALT approximately 2" thick Collect RSAR4-0.5B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
5		SW	SAND, reddish brown (5YR 5/4), 95% fine to coarse sand, 5% fine to medium gravel, trace gravel up to 2" diameter, trace calichified zones, strong HCl reaction						
10		SW	Collect RSAR4-10B, RSAR4009-10B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV						
12.5		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium gravel, medium loose to dense, dry, no plasticity, strong HCl reaction						
15									

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17.5									
20		SW	...abundant caliche						
22.5		SP	SAND, light reddish brown (5YR 6/4), heavy gypsum cementation 23' below ground surface (BGS), dry						
25	<div style="background-color: black; width: 100%; height: 100%; display: flex; align-items: center; justify-content: center;"> 16 19 20 </div>	SP	Collect RSAR4-25, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV SAND, reddish yellow (5YR 6/8), 100% very fine to fine sand, dense, dry to damp, no plasticity, weak gypsum cementation, no HCl reaction						
27.5									
30		SP	...trace silt						
32.5									

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		<p>SP</p> <p>SP</p>	<p>SAND with silt, yellowish red (5YR 5/8), 5% silt, 95% very fine to fine sand, trace calcite concretions, loose, moist, moderate plasticity, variable gypsum cement, no HCl reaction</p> <p>Collect RSAR4-37B, PID readings: 10.6 eV = 5.4 ppmV, 11.7 eV = 117ppmV (likely PID error, no noticeable odor present)</p> <p style="text-align: center;">END OF BORING AT 38.5 FEET</p>						

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