

# EXPLORATION LOG RSAR7-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:** 10-12-2009  
**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	18 25 23		PAVE ASPHALT approximately 4" thick						
2.5	6 6 6		FILL Collect RSAR7-0.5B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV FILL: SAND, SW, reddish brown (5YR 5/4), 95% fine to coarse sand, 5% gravel, trace asphalt and brick fragments, medium dense, damp, no plasticity, strong HCl reaction						
5		SW	SAND with gravel, reddish brown (5YR 6/4), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded gravel, trace caliche fragments, medium dense, damp, no plasticity, strong HCl reaction						
7.5									
10		SW	Collect RSAR7-9B, RSAR7009-9B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
12.5		SW	SAND, reddish brown (5YR 5/4), 90%-95% fine to coarse sand, 5%-10% fine to coarse gravel, dense, damp, no plasticity, strong HCl reaction						
15									

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		SW	...gravel content to 5%						
		SW	Collect RSAR7-20B, PID readings: 10.6 eV = 0.7 ppmV, 11.7 eV = 0.2 ppmV						
		SW	SAND, light reddish brown (5YR 6/4), 95% fine to coarse sand, 5% gravel, heavy gypsum cement						
		SP	SAND, yellowish red (5YR 5/8), trace silt, 97% very fine to fine sand, dense, damp, low plasticity, frequent gypsum cementation, no HCl reaction						
		SP	SAND, yellowish red (5YR 5/8), trace silt, 97% very fine to fine sand, fragments of gypsum, cemented sand, dense, damp, low plasticity						

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	<div style="border: 1px solid black; padding: 2px; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 8px; margin-right: 5px;">6 9 12</span> </div>	SP	Collect RSAR7-34B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV ...silt to 5%						
			<b>END OF BORING AT 35.5 FEET</b>						

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