

# EXPLORATION LOG RSAR8-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  
**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	█	PAVE	ASPHALT approximately 3" thick						
2.5	█ 23 28 36	SW	Collect RSAR8-0.5B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.5 ppmV SAND with gravel, light reddish brown (5YR 6/4), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, medium loose, dry, no plasticity, strong HCl reaction						
5	█								
7.5	█								
10	█ 18 17 19	SW	Collect RSAR8-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						
12.5	█								
15	█								

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17.5									
20		SW	Collect RSAR8-20B, PID readings: 10.6 eV =						
		SP	0.0 ppmV, 11.7 eV = 0.0 ppmV Gravelly SAND						
		SP	SAND, pinkish grey (5YR 7/2), 100% very fine to fine sand, dense, dry, no plasticity, zones of gypsum and calcite cementation, weak HCL reaction						
22.5		SP	...yellowish red (5YR 6/8) ...moderately cemented						
25									
		SP	...trace silt						
27.5									
	SP	...5% silt							
30									
	SP	SAND with silt, yellowish red (5YR 6/8), 10% silt, 90% very fine to fine sand, trace calcareous concretions, medium loose, moist, medium plasticity, weak HCL reaction, trace organic material							
32.5									

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<div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <div style="display: flex; flex-direction: column; justify-content: space-around; width: 20px;"> <span>13</span> <span>16</span> <span>12</span> </div> </div> </div>		SP	Collect RSAR8-34B, RSAR8-34BMS, RSAR8-34BMSD, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.1 ppmV  <b>END OF BORING AT 35.5 FEET</b>						

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