

# EXPLORATION LOG SA103-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:** 10-6-2009  
**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
	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); margin-bottom: 5px;"></div> <div style="text-align: center; margin-bottom: 5px;">36 50 36</div> <div style="border: 1px solid black; width: 20px; height: 20px; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px; margin-bottom: 5px;"></div> <div style="text-align: center; margin-bottom: 5px;">12 12 16</div> </div>	<p>FILL</p> <hr/> <p>SW</p> <hr/> <p>SW</p> <hr/> <p>SW</p>	<p>Collect SA103-0.5B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV FILL: SAND with gravel, SW, reddish brown (5YR 5/4), 80% fine to coarse sub- angular to sub-rounded sand, 20% fine to medium gravel, trace concrete debris, dense to very dense, dry, no plasticity</p> <p>SAND, reddish brown (5YR 5/4), 95% fine to coarse sand, 5% fine to medium gravel up to 2" diameter, medium dense, dry, no plasticity, strong HCl reaction</p> <p>Collect SA103-10B, SA103009-10B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV</p> <p>SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine to medium gravel, dense, dry, no plasticity, strong HCl reaction</p>						

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20		SW	...1' thick layer of moderate calcite and gypsum cementation						
22.5									
25		SP	SAND, light reddish brown ( 5YR 6/3), 100% very fine to fine sand, dense, dry, low plasticity, variable calcite and gypsum cementation, weak HCl reaction						
26		SP	Collect SA103-25B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV						
27.5		SP	SAND, yellowish red (5YR 5/8), trace silt, 98% very fine to fine sub-angular to sub-rounded sand, trace calcite concretions, medium loose, damp, low plasticity						
30									
32.5									

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		SP	Collect SA103-35B, PID readings: 10.6 eV = 11.7 eV = 0.0 ppmV ...silt content increasing, medium plasticity						
			<b>END OF BORING AT 36.5 FEET</b>						

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