

# EXPLORATION LOG RSAU4-A4

**PROJECT:** TRONOX PHASE B  
**EXPLORATION LOCATION:** TRONOX AREA 4  
**EXPLORATION SIZE (dia.):** 6" CORE BARREL  
**ELEVATION:** EXISTING GROUND SURFACE

**PROJECT NO.:** 20092518V1  
**EXPLORATION DATE:** 7/29/2009  
**EQUIPMENT:** BOART SONIC CORE RIG  
**LOGGED BY:** BOART/MULHOLLAND

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED  
**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** NA  
**DATE MEASURED:** NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		PAVE	Concrete slab. Collect sample RSAU4-0.5B.						
		SM	Pale brown (10YR 6/8), silty SAND 70% medium to coarse sand, 20% non plastic fines, 10% fine to coarse gravel, moist.						
			10-12 feet, 10% coarse gravel. Collect sample RSAU4-10B, PID reading: 0.0 ppmV.						
			...pale brown (10YR 6/3) to light yellowish brown (10YR 6/4).						

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			<p>...pale brown (10YR 6/3). Collect sample RSAU4-20B; PID reading: 0.0 ppmV.</p>						
			<p>Collect sample RSAU4-25B; PID reading: 0.0 ppmV.</p>						
		CALI	<p>White (10YR 8/1) to light gray (10YR 7 1), fine to coarse grained caliche nodules, moderate to strong cementation, reacts with HCl.</p>						
		SM	<p>Light yellowish brown (10YR 6/4) silty SAND. 75% medium to coarse grained sand, 20% non plastic fines, 5% coarse gravel.</p>						
		ML	<p>MUDDY CREEK FORMATION: Yellowish brown (10YR 5/6) SILT, 95% fines, 5% fine grained sand, trace fine grained gravel, moist.</p>						

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			<p>...trace caliche nodules, some (5%) coarse grained.</p> <p>Collect sample RSAU4-40B; PID reading: 0.0 ppmV.</p> <p>...brownish yellow (10YR 6/6).</p> <p>Collect sample RSAU4-45B; PID reading: 0.0 ppmV.</p>						

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		SM	Brownish yellow (10YR 6/6) silty SAND, 75% coarse sand, 20% non plastic fines, 5% coarse gravel, moist to wet.  Collect sample RSAU4-56B; PID reading 0. 0 ppmV.						
			<b>END OF BORING AT 57.5 FEET</b>						

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