

# EXPLORATION LOG RSAN3-A1

**PROJECT:** TRONOX PHASE B

**PROJECT NO.:** 20092518V1

**EXPLORATION LOCATION:** TRONOX AREA 1

**EXPLORATION DATE:** 7/8/2009

**EXPLORATION SIZE (dia.):** 3" CORE BARREL

**EQUIPMENT:** SDC550-24 SONIC CORE RIG

**ELEVATION:** EXISTING GROUND SURFACE

**LOGGED BY:** SEARS/DAVIS

**INITIAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** NA

**FINAL DEPTH TO WATER:** NOT ENCOUNTERED

**DATE MEASURED:** NA

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="margin-bottom: 10px;">0</div> <div style="margin-bottom: 10px;">2.5</div> <div style="margin-bottom: 10px;">5</div> <div style="margin-bottom: 10px;">7.5</div> <div style="margin-bottom: 10px;">10</div> <div style="margin-bottom: 10px;">12.5</div> <div style="margin-bottom: 10px;">15</div> <div style="margin-bottom: 10px;">17.5</div> </div>		PAVE FILL SW-SM	<p>Reddish brown SAND with silt, trace gravel. 70-90% fine to medium grained sand, 10-20% silt, trace gravel, low plasticity, dry. Collect sample RSAN3-0.5B, dense, dry. PID readings: 10.6 eV=0.3 ppmV, 11.7 eV= 0.5 ppmV.</p> <p>7.5-10 feet; thin caliche lenses less than 2 inches thick.</p> <p>8.5-9.5 feet; gravel 2-5%, less than 2 inches diameter, subangular to subrounded, volcanic.</p> <p>Collect sample RSAN3-10B, very dense, dry. PID readings: 10.6 eV=0.0 ppmV, 11.7 eV=0.0 ppmV.</p> <p>11-12 feet; trace caliche nodules/lenses less than 2 inches diameter.</p> <p>13.5-14.5 feet; 5-8% gravel, less than 3 inches diameter, subangular-subrounded, volcanic.</p> <p>16-18 feet; trace caliche nodules/lenses less than 2 inches diameter, light gray-white.</p>						

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			18.5-20 feet; weakly-moderately cemented.  Collect samples RSAN3-20B, RSAN3009-20B, equipment blank						
22.5		ML	Muddy Creek Formation. Reddish brown (2. 5YR 5/4) SILT with sand. 70-90% silt, 10-20% fine grained sand, trace clay, trace gypsum occurring as fine grained crystals disseminated throughout, moist, low placticity.						
25									
27.5									
30									
32.5			Collect sample RSAN3-32B, very stiff, moist. PID readings; 10.6 eV=0.2 ppmV, 11.7 eV=0.4 ppmV.						
35			<b>END OF BORING AT 33.5 FEET</b>						

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