

EXPLORATION LOG SA151-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-17-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/FERRINGER

INITIAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
	<p>13 13 11</p> <p>24 24 31</p>	<p>SP</p> <p>SW</p> <p>SW</p>	<p>Collect SA151-0.5B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.1 ppmV SAND, reddish brown (5YR 4/3), 95% fine to medium sub-angular sand, 5% coarse sub-angular sand, trace fine to medium gravel, medium dense, dry, no plasticity, strong HCl reaction</p> <p>Collect SA151-10B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV SAND, dark reddish brown (5YR 3/3), 70% fine to medium sub-angular sand, 30% coarse sub-angular sand, trace fine to medium volcanic gravel, medium dense to dense, dry, no plasticity, strong HCl reaction</p> <p>...weak cemented zone (calcite cement)</p>						

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		SW	...1" thick laminated caliche layer						
		SW	Collect SA151-25B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV ...strong brown (7.5YR 4/6), weak to moderate cementation						
		SW	...approximately 6" thick heavily cemented layer, large volcanic cobble present						
		SW	...approximately 2.25" thick heavily cemented						

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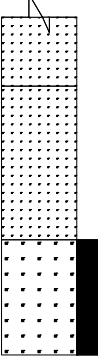
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<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">  </div> <div style="margin-top: 5px; font-size: small;">37 50 / .5</div> </div> </div>			caliche layer							
		SW		...coarse sand content to 35%						
		SP		Collect SA151-39B, SA151009-39B, PID readings: 10.6 eV = 0.5 ppmv, 11.7 eV = 0.0 ppmV SAND, brown (7.5YR 5/3), 100% very fine to medium sand, dense to very dense, dry, low plasticity, interbedded cemented zones, strong HCl reaction <div style="text-align: center; font-weight: bold;">END OF BORING AT 40.5 FEET</div>						

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