

EXPLORATION LOG SA211-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: 10-2-2009
EQUIPMENT: SDC550-24 SONIC CORE BARREL
LOGGED BY: THOMPSON/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
	50/6	FILL	Collect SA211-0.5B, SA211-0.5BMS, SA211-0.5BMSSD, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 18.2 ppmV (possible reading error) FILL: SAND, reddish brown (5YR 4/4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to medium gravel, dense to very dense, dry, spray dust control on surface						
		SW		SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% fine volcanic gravel, dense, damp, no plasticity, strong HCl reaction					
	11 9 11	SW	...hard caliche						
		SW	Collect SA211-11B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 16 ppmV (possible read error)						
		SW	SAND, reddish brown (5YR 4/4), 95% fine to coarse sand, 5% sub-angular to sub-rounded volcanic gravel up to 2" diameter, 1" thick well cemented layers						

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	<div style="position: absolute; left: 250px; top: 50px; font-size: small;"> 45 45 50 </div>	SW	Collect SA211-25B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...2" diameter gravel						
		SP	SAND, yellowish red (5YR 5/5), trace silt, 98% very fine to fine sand, trace gypsum crystals, low plasticity, weak HCl reaction ...30' to 38' below ground surface (BGS) no recovery						

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		SP	SAND, yellowish red (5YR 5/5), trace silt, 98% very fine to fine sand, trace gypsum crystals, low plasticity, weak HCl reaction						
		SW	SAND, very dark brown (7.5YR 2.5/2), 10% silt, 90% fine to coarse sub-angular to sub-rounded, medium loose, damp						
		SP	SAND, yellowish red (5YR 5/5), trace silt, 98% very fine to fine sand, trace gypsum crystals, low plasticity, weak HCl reaction						
		SP	Collect SA211-43B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
			END OF BORING AT 44.5 FEET						

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