

EXPLORATION LOG SA54-A2

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 2
EXPLORATION SIZE (dia.): 6" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 9-8-2009
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
		SW	SAND with gravel, strong brown (7.5YR 5/6), 95% fine to coarse sand, 5% fine to coarse sub-angular volcanic gravel, loose, dry, low plasticity, strong HCl reaction, no cementation, no odor						
		SW	Collect SA54-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV ...trace gravel, caliche fragments present						
		SW	...caliche nodules present up to 2" in diameter						

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20		SW	Collect SA54-20B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...heavily cemented sand (gypsum cement) and gypsum crystals present 21' to 22'						
22.5		SP	SAND, yellowish red (5YR 4/6), 100% very fine to fine sub-angular to sub-rounded sand, dense, damp, no plasticity, no HCl reaction						
25									
27.5		SP	...weak plasticity, weak HCl reaction						
30									
32.5		SP	Collect SA54-31B, SA54-31BMS, SA54-31BMSD, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 1.1 ppmV						
			END OF BORING AT 32.5 FEET						
35									

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