

EXPLORATION LOG SA108-A3

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 3
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 10-16-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
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
		FILL	FILL: Manganese tailings, black (10R 2.5/1), 100% very fine Mn sand, medium loose, damp, low plasticity, no HCl reaction, faint chemical odor						
		FILL	FILL: 7' to 13' below ground surface (BGS), reddish black (2.5YR 2.5/1) sand mixed with Mn tailings						
		FILL	...color to dark greyish brown (2.5YR 3/2), white streaks present on larger Mn fragments						

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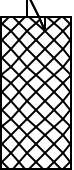






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17.5		FILL	...wood fragments						
20	 8 7 6	SW	SAND with gravel, reddish brown (5YR 4/4), 90% fine to coarse sand, 10% fine sub-angular to sub-rounded gravel, loose, dry, no plasticity, zones of weak calcite cementation, strong HCl reaction						
22.5		SW	Collect SA108-20B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.0 ppmV						
25									
27.5									
30	 29 31 29	SW	...trace volcanic cobbles						
32.5		SW	Collect SA108-30B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.1 ppmV						

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		SW	Gravelly SAND, reddish brown (5YR 4/4), 85% fine to coarse sand, 15% fine to coarse sub-rounded volcanic gravel, dense, dry, no plasticity, strong HCl reaction						
		SW	...strong gypsum cementation						
		SW	Collect SA108-45B						
			END OF BORING AT 46.5 FEET						

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