

EXPLORATION LOG SA114-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-11-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: THOMPSON/GAREY

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
		SW	SAND, reddish brown (5YR 4/3), 95% fine to coarse sand, 5% fine to medium sub-angular to sub-rounded volcanic gravel, medium dense to dense, dry, no plasticity, cemented zones (calcite cement), strong HCl reaction						
		SW	...color to dark reddish brown (5YR 3/4)						
		SW	Collect SA114-10B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.0 ppmV						
		SW	...gravel to trace amounts						
		SW	...14.5' to 15.5' below ground surface (BGS)calichified zone						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	...19'-20' BGS, cemented zone (gypsum and calcite cement)						
		SP	SAND, light grey (10YR 7/2), 5% silt, 95% very fine to fine sand, dense to very dense, dry, no to low plasticity, strongly cemented zones, strong HCl reaction						
		SP	Collect SA114-30B, PID readings: 10.6 eV = 4.6 ppmV, 11.7 eV = 0.0 ppmV						
			END OF BORING AT 31.5 FEET						

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