

EXPLORATION LOG SA142-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: 1" thick dark cemented layer						
		SP	Collect SA142-20.5, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV SAND reddish brown (5YR 4/4), 98% fine sand, 2% medium sub-angular to sub-rounded sand, medium loose, damp, no plasticity						
		SP	...minor black staining						
		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium volcanic gravel, trace caliche fragments, medium dense to dense, damp, no plasticity, strong HCl reaction						
		SW	...gravel content to 5%						
		SW	Collect SA142-30.5B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV						

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		SW	...gravel content to 10%						
		SW	...6" diameter volcanic cobble present						
		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, dense, damp, no plasticity, trace calichified zones, weak HCl reaction						
		SW	...gravel is rounded, trace gypsum crystals						

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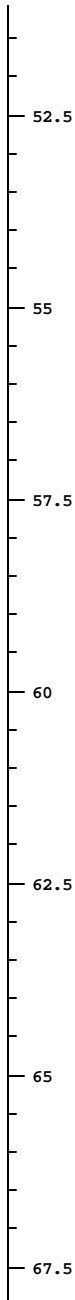
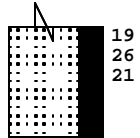
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		SW	Collect SA142-51B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.3 ppmV END OF BORING AT 52.5 FEET						

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