

EXPLORATION LOG SA153-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9-15-2009

EXPLORATION SIZE (dia.): 3" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

LOGGED BY: SEARS/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 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, loose, dry, no plasticity, strong HCl reaction						
		SW	Collect SA153-10B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 1.5 ppmV						
		SW	...gravel content to 5%, zones of weak to moderate calcite cementation present						

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		SW	Gravelly SAND, reddish brown 5YR 5/3, 85% fine to coarse sand, 15% fine to medium gravel, dense, dry, no plasticity, cemented zones (calcite cement)						
		SW	Collect SA153-25B, SA153-25BMS, SA153-25BMSD, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 3.4 ppmV						
		SW	SAND, reddish brown (5YR 3/4), 95% fine to coarse sand, 5% fine to medium gravel, very dense, dry, no plasticity, strong HCl reaction						
		SW	...gravel content to trace amounts						

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37.5		SP	SAND, yellowish red (5YR 5/8), 5% silt, 95% very fine to fine sand, loose, moist, low to moderate plasticity, trace cemented zones, weak HCl reaction						
		SP	Collect SA153-38B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 3.4 ppmV						
40			END OF BORING AT 39.5 FEET						
42.5									
45									
47.5									
50									
52.5									

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