

EXPLORATION LOG SA155-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 8-11-2009

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
	12 14 18	SW	Collect SA155-0.5B SAND, reddish brown (5YR 5/4), 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium sub-angular to sub-rounded volcanic gravel, loose, dry						
		SW	...strongly cemented zones (calcite cement)						
	20 27 48	SW	Collect SA155-10B						
		SP	SAND, light reddish brown (2.5YR 6/4), 100% very fine to fine sand, dense, dry, strong HCl reaction						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	SAND, strong brown (7.5YR 4/6), trace silt, 95% fine to coarse sub-angular to sub-rounded sand, 5% fine to medium gravel, dense, dry, no to low plasticity, zones of strong calcite cementation						
		SW	Color to reddish brown (2.5YR 5/4)						
		SW	Collect SA155-30B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.0 ppmV						
		SM	Silty SAND, light brown (7.5YR 6/4), 20% silt, 80% very fine to fine sand, dense, moist, moderate HCl reaction						
			END OF BORING AT 31.5 FEET						

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