

EXPLORATION LOG SA58-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 9/3/2009

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
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>2.5</p> <p>5</p> <p>7.5</p> <p>10</p> <p>12.5</p> <p>15</p> <p>17.5</p> </div> </div>		SW	Collect SA58-0.5B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.3 ppmV SAND with gravel, reddish brown (5YR 4/4) 90% fine to coarse sand, 10 % sub- angular to sub-rounded gravel, caliche fragments present, medium loose, damp, no plasticity, strong HCl reaction, no odor						
		SW	...dense, dry, caliche fragments no longer present						
		SW	Collect SA58-10B, PID readings: 10.6 eV = 2.2 ppmV, 11.7 eV = 0.3 ppmV						

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		SW	...yellowish red (5YR 5/6)						
		SP	SAND, reddish yellow (7.5YR 6/8), 100% very fine to fine sand, no plasticity, weakly cemented						
		SW	SAND with gravel, reddish brown (5YR 4 4) 90% fine to coarse sand, 10 % sub- angular to sub-rounded gravel, medium loose, damp, no plasticity, strong HCl reaction, heavy cementation (calcite and gypsum cement), no odor						
		SP	SAND, reddish yellow (7.5YR 6/8), 100% very fine to fine sand, trace gravel, very dense, damp, moderate to strong cementation						
		SP	Collect SA58-28B, SA58009-28B						
	END OF BORING AT 29.5 FEET								

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