

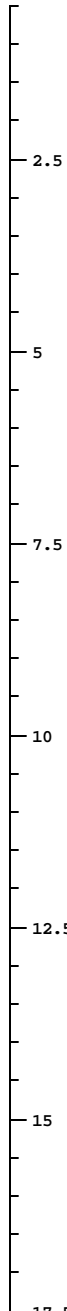
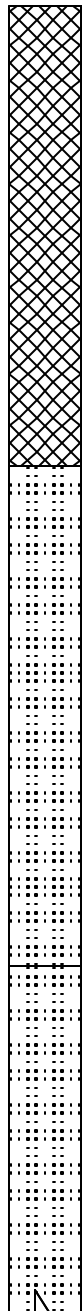
EXPLORATION LOG SA212-A4

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 4
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 9-28-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/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
		<p>23 22 18</p> <p>6 8 13</p>	<p>FILL Collect SA212-0.5B, PID readings: 10.6 eV = 0.0 ppmV, 11.7 eV = 0.2 ppmV FILL: SAND, SW, dark reddish brown (5YR 3/4), 95% fine to coarse sand, 5% fine to medium gravel, medium loose, no plasticity, strong HCl reaction</p> <p>SW SAND, reddish brown (5YR 3/4), 95% fine to coarse sand, 5% fine to medium gravel, trace caliche, dense, dry, strong HCl reaction</p> <p>SW Collect SA212-13B, SA212009-13B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.2 ppmV SAND with gravel, reddish brown (5YR 4/3), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, loose, damp, no plasticity, strong HCl reaction</p>						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
		SW	...zones of caliche present						
		SP	SAND, reddish brown (5YR 4/4), 100% fine to medium sand, dense, dry, weakly cemented zones						
		SW	SAND, reddish brown (5YR 3/4), 95% fine to coarse sand, 5% fine to medium gravel, trace caliche, very dense, dry, zones of cementation, strong HCl reaction						
		SP	Collect SA212-30B, PID readings: 10.6 eV = 1.6 ppmV, 11.7 eV = 22 ppmV (likely read error) SAND, light reddish brown (5YR 6/4), 100% very fine to fine sand, dense, dry, no plasticity, moderate gypsum cementation						
		SP	...trace silt, low plasticity, no cementation						

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