

EXPLORATION LOG SA72

PROJECT: <u>TRONOX PHASE B</u>	PROJECT NO.: <u>20092518V1</u>
EXPLORATION LOCATION: <u>TRONOX AREA 1</u>	EXPLORATION DATE: <u>7/27/2009</u>
EXPLORATION SIZE (dia.): <u>3" CORE BARREL</u>	EQUIPMENT: <u>SDC550-24 SONIC CORE RIG</u>
ELEVATION: <u>EXISTING GROUND SURFACE</u>	LOGGED BY: <u>SEARS/BRINKERHOFF</u>

INITIAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>NA</u>
FINAL DEPTH TO WATER: <u>NOT ENCOUNTERED</u>	DATE MEASURED: <u>NA</u>

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		Fill	<p>Yellowish brown (10YR 5/4) silty SAND with gravel (65% sand (80% fs, 20% ms, trace cs), 20% silt, 15% gravel (90% fg, 10% mg, subangular to subrounded), dry, medium dense, strong reaction to HCl. Collect sample SA72-0.5B, PID readings: 10.6eV=6.1 ppmV, 11.7eV=3.4 ppmV.</p>						
		SP-SM	<p>Alluvium, yellowish brown (10YR 5/4) poorly graded SAND with silt (65% sand, (75% fs, 20% ms, 5% cs), 25% silt, 10% gravel (80% fg, 20% mg)), dry, medium dense, weak to moderate cementation, strong reaction to HCl.</p> <p>Collect sample SA72-10B. PID readings: 10.6eV=0.1 ppmV, 11.7eV=0.8 ppmV.</p> <p>...reddish brown (5YR 4/4), low plasticity.</p>						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
22.5		SP	Reddish brown (5YR 4/4) poorly graded SAND (85% sand (80% fs, 15% ms, 5% cs), 10% silt, 5% gravel (100% fg)), moist, medium dense, strong reaction with HCl.						
25		SP-SM	Yellowish brown (10YR 5/4) silty SAND (65% sand (100% fs), 35% silt, trace gravel), moist, medium dense, strong reaction with HCl. ...weak to moderate cementation, dense. Collect sample SA72-29B, PID readings: 10.6eV=0.1 ppmV, 11.7eV=0.5 ppmV.						
30			END OF BORING AT 30.5 FEET						
32.5									

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