

EXPLORATION LOG RSAM5

PROJECT: <u>TRONOX PHASE B</u>	PROJECT NO.: <u>20092518V1</u>
EXPLORATION LOCATION: <u>TRONOX AREA 2</u>	EXPLORATION DATE: <u>7/30/2009</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/GAREY</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
		SW	Brown (7.5YR 4/4) well graded SAND, 95% fine-coarse grained, subangular to subrounded, sand, 5% gravel, loose, dry, non plastic, high K, no odor, strong reaction to HCl. Collect samples RSAm5-0.5B, RSAM5009-0.5B; PID readings: 10.6eV=1.4 ppmV, 11.7eV=0.0 ppmV.						
			Collect RSAM5-10B; PID readings: 10.6eV=13.3 ppmV, 11.7eV=5.7 ppmV.						
		SW	Brown (7.5YR 3/4) well graded SAND. 90% fine-coarse grained, subangular to subrounded sand, 5% subrounded gravel, 5% silt. non-low plasticity, low K, strong reaction to HCl, no odor. trace caliche occurring as thin layers and nodules.						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		SP-SM	Light brown (7.5YR 6/3) well graded SAND with silt, 80% fine grained sand, 20% silt, low plasticity, low K, reacts to HCl, trace gypsum?, no odor.						
		SW	Brown (7.5YR 4/3) well graded SAND, 95% fine-coarse grained, subangular to subrounded sand, 5% fine grained, subrounded gravel, strong cementation, reacts with HCl, no odor.						
		SP-SM	Collect sample RSAM5-28B; PID readings: 10.6eV=0.6 ppmV, 11.7eV=0.0 ppmV.						
		SW	...fine grained SAND with silt, 3" layer.						
			END OF BORING AT 29.5 FEET						

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