

EXPLORATION LOG SA200-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 8/26/2009

EXPLORATION SIZE (dia.): 6" 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
		SW	ALLUVIUM: SAND with gravel, reddish brown (5YR 4/3), 90% fine to coarse sand, 10% fine to medium gravel, round to sub-angular, loose to dense, dry, no plasticity, strong HCl reaction, weak to strong cementation						
10	43 50/5	SW	Collect SA200-10B, PID readings: 10.6 eV = 0.9 ppmV, 11.7 eV = 6.2 ppmV						
12.5		SW	...caliche nodules approximately 0.5" in diameter, weak cementation						
15									
17.5									

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20	18 24 25	SW	...grading evident, gravel decreasing with depth						
22.5		SW	Collect SA200-20B, PID readings: 10.6 eV = 0.7 ppmV, 11.7 eV = 12.5 ppmV						
25		SW	SAND, pale red (2.5YR 6/2), 100% fine to coarse sand, trace gravel, loose to dense, dry, 6" zone of caliche and/or gypsum cementation present						
27.5									
30		SW	SAND, strong brown (7.5YR 4/6), 95% fine to coarse sand, trace gravel, visible gypsum crystals, very dense, dry, no plasticity, strong HCl reaction, interbedded with layers of cemented sand						
32.5	48 50/3	SW	Collect SA200-31B, SA200009-31B, PID readings: 10.6 eV= 0.2 ppmV, 11.7 eV = 4.1 ppmV						
			END OF BORING AT 32.5 FEET						
35									

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