

EXPLORATION LOG SA156-A4

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 4

EXPLORATION DATE: 10-20-2009

EXPLORATION SIZE (dia.): 6.25" CORE BARREL

EQUIPMENT: SDC550-24 SONIC CORE RIG

ELEVATION: EXISTING GROUND SURFACE

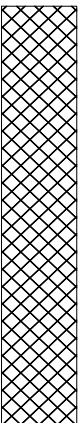
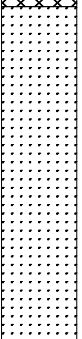
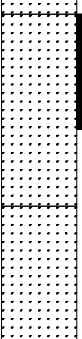
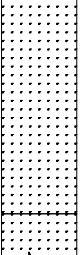
LOGGED BY: SEARS/GAREY

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
0 2.5 5		FILL	FILL: SAND with gravel, SW, dark reddish brown (5YR 3/4), 90% fine to coarse sand, 10% fine to coarse gravel, asphalt and rebar debris, medium loose, dry						
7.5 10	 12 11 13	SW	SAND with gravel, reddish brown (5YR 4/4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to coarse gravel, trace caliche nodules, medium loose, dry, no plasticity						
12.5 15		SW	SAND with gravel, reddish brown (5YR 4/ 4), 90% fine to coarse sand, 10% fine to medium gravel, medium loose, dry, to damp, no plasticity, weak calichified zones, strong HCl reaction						
17.5		SW	...gravel content to 5%						

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20									
22.5		SW	...reddish grey (5YR 4/2)						
25		SW	...reddish brown (5YR 4/4)						
27.5		SW	...trace gravel						
30		SW	...sand is more coarse and rounded, dense, damp, no plasticity						
30	19 24 22	SW	SAND, reddish brown (5YR 4/4), 100% fine to coarse sub-rounded to rounded sand, trace fine rounded gravel, medium dense, damp, no plasticity Collect SA156-30B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.3 ppmV						
32.5		CALI	CALICHE, pale yellow (2.5YR 8/3), fine to coarse calichified sand, gypsum cement, no HCl reaction						
35	5 8	SP	SAND, yellowish brown (10YR 5/8), trace silt, 98% very fine to fine sand, loose, damp, low to medium plasticity, no HCl reaction Collect SA156-35B, PID readings: 10.6 eV = 0.3						

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			ppmV, 11.7 eV = 0.0 ppmV						
		SP	...calcite concretions						
		SP	Collect SA156-45B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV						
		END OF BORING AT 46.5 FEET							

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