

EXPLORATION LOG SA196-A2

PROJECT: TRONOX PHASE B

PROJECT NO.: 20092518V1

EXPLORATION LOCATION: TRONOX AREA 2

EXPLORATION DATE: 8/25/2009

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
2.5	34 41 39	SW	Collect SA196-0.5B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV SAND, reddish brown (5YR 4/3), 90% fine to coarse, sub-angular to sub-rounded sand, 10% fine to coarse, sub-rounded to sub-angular volcanic gravel, dense, dry, strong HCl reaction, no cementation						
5		SW	...gravel content increases to 15%, well cemented caliche nodules approximately 2" in diameter present, very dense						
7.5									
10	20 35 32	SW	Collect SA196-10B, PID readings: 10.6 eV = 0.6 ppmV, 11.7 eV = 0.0 ppm						
12.5		SW	...gravel decreases to approximately 10%						
15		SW	...trace cobbles						
17.5									

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		SW	<p>...approximately 6" thick caliche layer, heavily cemented</p> <p>SAND, light reddish brown (5YR 6/3), 90% fine to coarse, sub-angular to sub- rounded sand, 10% fine to coarse, sub- rounded to rounded gravel, 4" thick caliche layers present, dense, dry, strong HCl reaction, no cementation</p>						
		SW	<p>Collect SA196-29B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.0 ppmV</p> <p>SAND, reddish brown (5YR 5/4), 90% fine to coarse sand, 10% gravel, thin caliche layers present, dense, dry, strong HCl reaction</p> <p style="text-align: center;">END OF BORING AT 30.5 FEET</p>						

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