

EXPLORATION LOG SA121-A4

PROJECT: TRONOX PHASE B
EXPLORATION LOCATION: TRONOX AREA 4
EXPLORATION SIZE (dia.): 3" CORE BARREL
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092518V1
EXPLORATION DATE: 9-25-2009
EQUIPMENT: SDC550-24 SONIC CORE RIG
LOGGED BY: SEARS/GAREY

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: N/A
DATE MEASURED: N/A

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>2.5</p> <p>5</p> <p>7.5</p> <p>10</p> <p>12.5</p> <p>15</p> <p>17.5</p> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 20px; height: 20px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> <div style="position: absolute; top: 20px; right: 0; width: 20px; height: 20px; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px;"></div> </div> <div style="flex: 0.5; text-align: center; font-size: small;"> <p>14 17 16</p> <p>24 12 13</p> </div> </div>		<p>FILL</p> <p>SW</p> <p>SW</p> <p>SW</p> <p>SW</p>	<p>Collect SA121-0.5B, PID readings: 10.6 eV = 0.4 ppmV, 11.7 eV = 0.0 ppmV FILL: SAND with gravel, SW, brown (7.5YR 5/4), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to medium angular to sub-rounded volcanic gravel, medium loose, dry, no plasticity, strong HCl reaction</p> <p>SAND with gravel, reddish brown (5YR 4/4), 90% fine to coarse sand, 10% fine to medium sub-angular to sub-rounded volcanic gravel, medium loose, damp, 1" thick interbedded caliche layers present</p> <p>Collect SA121-10B, PID readings: 10.6 eV = 0.2 ppmV, 11.7 eV = 0.9 ppmV</p> <p>...14.5' to 21' below ground surface (BGS) frequent calichified zones, strong HCl reaction</p> <p>...gravel up to 3" diameter</p>						

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made. It is not intended to be representative of subsurface conditions at other locations or times.

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	36 50/5	SP	Collect SA121-25B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.0 ppmV SAND, reddish yellow (5YR 6/6), 100% very fine to fine sand, very dense, dry to damp						
		SP	...trace silt, very low plasticity, color to yellowish red (5YR 5/8)						

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