

EXPLORATION LOG SA152

PROJECT: TRONOX PHASE B **PROJECT NO.:** 20092518V1
EXPLORATION LOCATION: TRONOX AREA 1 **EXPLORATION DATE:** 6/29/2009
EXPLORATION SIZE (dia.): 3" CORE BARREL **EQUIPMENT:** SDC550-24 SONIC CORE RIG
ELEVATION: EXISTING GROUND SURFACE **LOGGED BY:** SEARS/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED **DATE MEASURED:** NA
FINAL DEPTH TO WATER: NOT ENCOUNTERED **DATE MEASURED:** NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
		Fill							
2.5		SW-SM	Reddish brown (5YR 4/4) well graded SAND with silt, trace gravel. 80-90% fine to coarse grained sand, 10-15% silt, trace subrounded to subangular gravel, volcanic. Low plasticity, dry.						
5		SW	Reddish brown (5YR 4/4) gravelly SAND. 60-80% fine to coarse grained sand, 15-30% subrounded to subangular gravel, less than 2 inches in diameter, volcanic, 5-10% silt, dry.						
7.5		SW-SM	Reddish brown (5YR 4/4) well graded SAND with silt. 85-90% fine to coarse grained sand, 10-15% silt, trace gravel. low plasticity, dry.						
10			Collect sample SA152-10B, very dense, dry. PID readings: 11.7 eV 15.5 10.6 eV 1.8 ppmV.						
12.5		SW	Reddish brown (5YR 4/4) gravelly SAND with silt. 60-80% fine to coarse grained sand, 15-25% subrounded to subangular gravel less than 2 inches in diameter, 5-10% silt.						
15		SW-SM	Reddish brown (5YR 4/4) well graded SAND with silt. 85-90% fine to coarse grained sand, 10-15% silt, trace gravel. Dry.						

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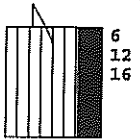
ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	% SWELL	WELL CONSTRUCTION
			<p>18 feet, coarse gravel/cobble larger than 3 inches diameter, volcanic.</p> <p>Collect sample SA152-20B, very dense, dry. PID readings: 11.7 eV 2.3 ppmV, 10.6 eV 1.4 ppmV.</p> <p>22-23 feet, 5-8% gravel less than 2 inches diameter.</p> <p>24-25 moderate to strong cementation, calcite cement.</p> <p>27 feet, slightly moist.</p> <p>28-29 feet, weak cementation, calcite cement, caliche nodules.</p>						
30		ML	Muddy Creek Formation. Reddish brown (7.5YR 5/4) sandy SILT, 70-80% silt, 20-30% fine grained sand low plasticity, moist.						
32.5									

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<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>35</p> <p>37.5</p> <p>40</p> <p>42.5</p> <p>45</p> <p>47.5</p> <p>50</p> </div> </div>			<p>Collect sample SA152-34B. Very stiff, moist. PID readings: 11.7 eV 0.0 ppmV, 10.6 eV 3.0 ppmV.</p> <p style="text-align: center;">END OF BORING AT 35.5 FEET</p>						

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