

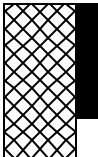
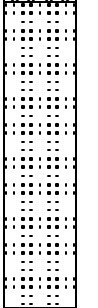
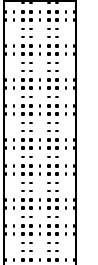
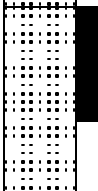
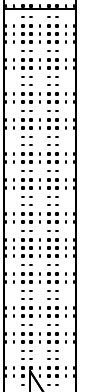
EXPLORATION LOG RSAQ8-A3

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

PROJECT NO.: 20092518V1
 EXPLORATION DATE: 10-22-2009
 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
2.5		FILL	Collect RSAQ8-0.5B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.1 ppmV FILL: Manganese tailings, SAND with gravel, black (5YR 2.5/ 1) to reddish brown (5YR 4/4), 90% sand, 10% gravel, very dense, dry, low plasticity, no HCl reaction, faint chemical odor						
5		SW	SAND with gravel, dark reddish brown (5YR 3/ 4), 90% fine to coarse sand, 10% fine to medium gravel, trace caliche fragments, dense, dry, no plasticity, strong HCl reaction						
7.5		SW	...reddish brown (5YR 4/4)						
10		SW	Collect RSAQ8-10B, PID readings: 10.6 eV = 0.1 ppmV, 11.7 eV = 0.2 ppmV ...trace gravel, medium dense, dry, no plasticity, strong HCl reaction						
12.5		SW	SAND, reddish brown (5YR 4/4), 97% fine to coarse sand, trace fine to coarse gravel, trace caliche fragments, medium dense, damp, no plasticity, strong HCl reaction						

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ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
	<p style="text-align: right;">46 45 50</p> <p style="text-align: right;">14 24 44</p> <p style="text-align: right;">19 36</p>	<p>SW</p> <p>SP</p> <p>SP</p> <p>SP</p>	<p>Collect RSAQ8-22B, PID readings: 10.6 eV = 0.5 ppmV, 11.7 eV = 0.0 ppmV SAND with gravel, dark reddish grey (5YR 4/2), 90% fine to coarse sub-angular to sub-rounded sand, 10% fine to medium gravel, very dense, dry, no plasticity, faint chemical odor</p> <p>SAND, dark reddish brown (5YR 3/4), trace silt, 98% very fine to fine sand, trace calcite nodules, medium loose, damp, low plasticity, areas of black staining</p> <p>Collect RSAQ8-31B, PID readings: 10.6 eV = 0.3 ppmV, 11.7 eV = 0.1 ppmV</p> <p>Collect RSAQ8-34B, PID readings: 10.6 eV =</p>						

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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="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>0.4 ppmV, 11.7 eV = 0.0 ppmV ...yellowish red (5YR 5/8)</p> <p style="text-align: center;">END OF BORING AT 35.5 FEET</p>						

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