

TABLES

TABLE 1
SUMMARY OF FIELD SCREENING RESULTS FOR SOIL
MILLER MART #4
ROUTE 34 AND U.S. HIGHWAY 158
STATE PROJECT NO. 8.T020401 (R-2414B)

SAMPLE DEPTH BELOW GRADE	OVA READING (PPM)				
	GP-1D	GP-2D	GP-3D	GP-4D	GP-5D
0.0-0.6 m (0.0-2.0 ft)	7.6	4.0	25	2.0	4.0
0.6-1.2 m (2.0-4.0 ft)	90	2.8	55	3.1	380
1.2-1.8 m (4.0-6.0 ft)	280	4.0	24	2.8	980
1.8-2.4 m (6.0-8.0 ft)	250	3.7	2.1	4.1	920

Notes:

1. OVA readings were obtained with a Foxboro Century Model 108 Organic Vapor Analyzer (OVA).
2. Background OVA reading = 1.0 ppm
3. Samples denoted by shaded cells were submitted for laboratory analysis.

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS
MILLER MART #4
ROUTE 34 AND U.S. HIGHWAY 158
STATE PROJECT NO. 8.T020401 (R-2414B)

SAMPLE INFORMATION		TOTAL PETROLEUM HYDROCARBONS	
SAMPLE LOCATION	DEPTH (m BGS)	GASOLINE RANGE ¹ (mg/kg)	DIESEL RANGE ² (mg/kg)
GP-1D	0.6 - 1.2	<1.0	13
GP-1D	1.2 - 1.8	<1.0	<10
GP-3D	0.6 - 1.2	<1.0	<10
GP-5D	0.6 - 1.2	<1.0	<10
GP-5D	1.2 - 1.8	<1.0	12

Notes:

1. Total Petroleum Hydrocarbons (TPH) Method 5030 - Gasoline Range Hydrocarbons
2. Total Petroleum Hydrocarbons (TPH) Method 3550 - Diesel Range Hydrocarbons

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
MILLER MART #4
ROUTE 34 AND U.S. HIGHWAY 158
STATE PROJECT NO. 8.T020401 (R-2414B)

ANALYTE	GW-1D (µg/L)	2L GROUNDWATER STANDARD (µg/L)
<i>Volatile Organic Compounds (VOCs) - EPA METHOD 8260B</i>		
Benzene	9500	1
Ethylbenzene	2400	29
IPE	590	70
MTBE	5500	200
Naphthalene	610	21
Toluene	20,000	1000
1,2,4-Trimethylbenzene	1400	350
1,3,5-Trimethylbenzene	270	350
Total Xylenes	8900	530

Notes:

1. Only VOCs detected above the method detection limit are reported in the table.
2. Shaded concentrations exceed the 15 NCAC 2L Groundwater Quality Standard.