

**ENVIRONMENTAL SUBSURFACE SOIL INVESTIGATION**

**Tony Sardo Auto Upholstery**  
124 West Colorado Street  
Glendale, California

Prepared for:

**Shawbeth, Inc.**  
800 South Brand Boulevard  
Glendale, California 91204

Prepared by:

**EP Associates**  
1111 North Brand Boulevard, Suite 405  
Glendale, California 91202-3023

Project Number 14020202

July 7, 2005

*U. J. Felling* for

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Steven J. Fellingner  
Environmental Specialist

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## 1.0 INTRODUCTION

On June 23, 2005, EP Associates conducted an environmental subsurface soil investigation at a commercial building currently occupied by Tony Sardo Auto Upholstery, an upholstery repair and installation shop located at 124 West Colorado Street, Glendale, California (Site) (see Figure 1, Vicinity Map). The soil investigation was conducted to assess the possible presence of petroleum hydrocarbons and volatile organic compound (VOC) contamination in shallow subsurface soils at the Site. The investigation was conducted based on the findings of a Phase I Environmental Site Assessment (Phase I ESA) (EP Associates, 2005) conducted for the Site in May of 2005, that documented visual evidence indicating that underground hydraulic hoists were possibly utilized inside the building at some time in the past, and that the building has been historically used for automobile repair and body painting activities (see Figure 2, Site Plan). EP Associates' scope of work consisted of the following:

- Install two (2) borings adjacent to the former automobile spray-painting area inside the building and collect soil samples at depths of 1 foot and 5 feet below ground surface (bgs).
- Install three (3) borings adjacent to concrete patches inside the building potentially associated with former underground hydraulic hoists and collect soil samples at depths of 1 foot, 10 feet, and 15 feet bgs.
- Submit the soil samples to a certified laboratory for chemical analyses.
- Interpret the laboratory data and prepare a report.

## 2.0 SITE DESCRIPTION AND BACKGROUND

The Site building was constructed of brick in 1922. The building is currently occupied by *Tony Sardo Auto Upholstery*, an automobile, recreational marine, and furniture upholstery repair and installation company. Two offices are located at the northwest corner of the building. A storage and restroom area is located near the middle of the west wall of the building. The eastern portion of the building is used as a drive-through automobile breezeway. The remaining portion of the building is used as a work area. The majority of the floor inside the building is exposed concrete. The Site building was used for automobile repair activities from the time of its construction until approximately 1981 at which time *Tony Sardo Auto Upholstery* moved into the building. Former occupants of the building included, but are not limited to, *Glendale Motor Car Company* (1924), *Veteran Auto Paint Shop* (1934), and *Service Body & Fender Works* (1934). The building was also used for automobile sales in the 1920s. Records indicate that past automobile repair activities included body and top repair and spray painting. There is also visual evidence of the

possible presence of former underground hydraulic hoists inside the building (EP Associates, 2005).

### **3.0 REGIONAL AND LOCAL HYDROGEOLOGY**

The Site is situated approximately 1¼ miles east of the Los Angeles River. The Los Angeles River flows south-southeastward in the area of the Site. The Site is located approximately 1 mile south of the Verdugo Wash, a flood control channel.

The Site is located in the southeastern region of the San Fernando Valley Ground Water Basin (SFVB) (ULARA Watermaster, 2003). The SFVB is one of four basins within the Upper Los Angeles River Area. The basin in the area of the Site is bounded on the north and east by the Verdugo Mountains, and on the south by the Santa Monica Mountains.

Groundwater beneath the Site occurs in alluvial deposits of the southeastern portion of the SFVB (DWP, 1983). The alluvial deposits consist primarily of sands and gravels with localized and interbedded lenses of silt and clays. The alluvium overlies sandstones and conglomerates of the Topanga Formation (DWP, 1983).

Records of groundwater conditions in the general vicinity were reviewed at the Los Angeles County Department of Public Works, Hydrogeologic Records Division, to obtain groundwater depth near the Site. The nearest water well to the Site is Observation Well 3945C. The well is located near the intersection of South Louise Street and Elk Avenue, approximately 1,400 feet east of the Site. Groundwater in this well was at a depth of approximately 99 feet bgs, as last measured on November 13, 2003.

Depth to groundwater in monitoring wells installed by EP Associates at the former UNOCAL Service Station #0353, located at 200 South Central Avenue, approximately 625 feet northwest of the Site, measured approximately 102 feet bgs in January 2005. Groundwater was not encountered during this investigation.

General groundwater flow direction for the shallow aquifer in the Site area is to the south-southwest (ULARA Watermaster, 2003).

Following the passage of Assembly Bill 1803 in 1983, the California Department of Health Service (DHS) directed a groundwater testing program in the SFVB that led to the discovery of chlorinated hydrocarbons (solvents) such as a trichloroethylene (TCE) and perchloroethylene (PCE) at elevated levels in a number of the basin's wells. As a result, the Crystal Springs Well Field, within which the Site is located, was placed on the Federal National Priority List as a Federal Superfund site (City of Glendale-Water Section, 1993). The construction of a

groundwater extraction and treatment facility was completed in October 1999. According to a representative of the City of Glendale Water Department, one operating unit became active in January 2002 with an additional unit under design for cleanup of the site.

The most recent report of the ULARA Watermaster (ULARA Watermaster, 2003) shows the plume of TCE and PCE contamination in Glendale to be limited to areas along San Fernando Road and west of San Fernando Road, located approximately 4,000 feet west of the Site.

#### **4.0 SITE ASSESSMENT METHODOLOGY**

EP Associates utilized truck-mounted Geoprobe® equipment and collected soil samples from 5 borings (Borings B1, B2, B3, B4, and B5). Borings B1 and B2 were installed at the southwestern portion of the building, the location of a former automobile spray-painting enclosure (circa the 1950s). Borings B3, B4, and B5 were installed at the northern portion of the building adjacent to concrete patches that indicated the location of possible former underground hydraulic hoists. The boring locations are shown in Figure 2, Site Plan.

In Borings B1 and B2, soil samples were collected at depths of 1 foot and 5 feet bgs. In Borings B3, B4, and B5, soil samples were collected at depths of 1 foot, 10 feet, and 15 feet bgs.

The Geoprobe® is a hydraulically-powered soil-probing machine. The machine uses static force and a percussion hammer to advance small-diameter sampling tools into the subsurface to collect soil cores, groundwater, or soil-gas samples. The soil samples were collected using a Large Bore Soil Sampler. The sampler was lined with 24-inch acetate liner. The liners were clean and previously unused.

Upon retrieval of the sampler, an approximately 6-inch section of the sample liner representing the desired depth was immediately cut and sealed at both ends with Teflon® film and plastic end caps, labeled, and stored in an iced cooler pending same-day transport to the analytical laboratory accompanied by a chain-of-custody record.

As a decontamination procedure, the Large Bore Soil Sampler, the Geoprobe push rods, and the sampling shoe were washed prior to collecting each sample in a solution of Alconox and rinsed with deionized water.

At the completion of sampling, the borings were backfilled to a few inches bgs with bentonite chips, and finished to grade with concrete.

EP Associates utilized a Mini-Rae 2000 photoionization detector (PID) to screen the collected soil samples for the presence of VOCs. If recovery permitted, approximately 100 grams of soil

from each sampling depth were stored in an unused and sealed plastic Ziploc<sup>®</sup> bag. After approximately 10 minutes, the sampling probe of the PID was inserted into the headspace of the plastic bag and the concentrations of the VOCs were measured and recorded. The PID was calibrated with isobutylene gas.

EP Associates collected a total of 13 soil samples. The samples were submitted to American Environmental Testing Laboratory, Inc. (AETL) in Burbank, California. AETL is certified by the California Department of Health Services as a qualified analytical laboratory (ELAP Number 1541).

The samples collected from Borings B1 and B2 were analyzed for VOCs using U.S. EPA Method 8260B. The samples collected from Borings B3, B4, and B5 were analyzed for total petroleum hydrocarbons (TPH, carbon range C13 through C40) using U.S. EPA Method M8015D. The laboratory test results are presented in Tables 1 and 2. Laboratory reports and chain-of-custody records are included in the Appendix.

## 5.0 FINDINGS

**5.1 Subsurface Soil Conditions** - Soils encountered at the Site were moist, generally medium dense, alternating layers of sands and silty sands with varying amounts of fine to coarse gravel.

**5.2 Field Observations for Contaminants** - None of the soil samples collected during this investigation exhibited visible discoloration by petroleum or chlorinated hydrocarbons, or other contaminants. The PID registered VOC concentrations ranging from 8.2 parts per million (ppm, or milligrams per liter) in the sample collected from Boring B2 at a depth of 5 feet bgs, to 845 ppm in the sample collected from Boring B1 at a depth of 5 feet bgs.

## 5.3 Laboratory Test Results

Total Petroleum Hydrocarbons - As shown in Table 1, TPH, analyzed for diesel (carbon range of C13-C22) and heavy-end hydrocarbons (C23-C40), was not detected in any of the samples with the exception of the sample collected from Boring B3 at a depth of 1 foot bgs in which TPH was detected at a concentration of 16.6 milligrams per kilogram (mg/kg). No TPH was detected in the 10- and 15-foot samples from Boring B3.

Volatile Organic Compounds - As shown in Table 2, concentrations of VOCs in all of the samples analyzed were nondetectable with the exception of ethylbenzene and xylenes. Very low concentrations of ethylbenzene and xylenes were detected only in the samples from Boring B2. The highest detected concentration was 21.5 micrograms per kilogram (ug/kg) of m,p-Xylenes

in the sample collected at a depth of 5 feet bgs from Boring B2.

## **6.0 CONCLUSIONS**


The very low concentrations of TPH and VOCs detected in some of the samples collected at high-risk areas at the Site, indicate that subsurface soils at the locations sampled have not been significantly impacted by these chemicals as a result of past business activities at the Site. The detected concentrations are at low levels and do not require regulatory action.

## **7.0 RECOMMENDATIONS**

Based on the findings and conclusions presented in this report, EP Associates recommends no further environmental subsurface assessment for site characterization purposes at this time.

## **8.0 LIMITATIONS**

The purpose of an environmental assessment is to reasonably evaluate the potential for, or actual impact of, past practices on a given property. In performing an environmental assessment, it is understood that a reasonable balance between environmental issues must be achieved, as an exhaustive analysis of each conceivable issue of potential concern is not economically feasible. The laboratory findings and associated conclusions are based only on the high-risk locations and depths sampled and analyzed. Our professional services have been performed in general conformance with the standard of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar locations, at the time of service. No other warranty, expressed or implied, is made as to the professional advice included in this report.



## REFERENCES

City of Glendale-Water Section, 1993. *Briefing Book, Superfund Activities, Glendale Area*, City of Glendale Public Service Department Water Section, Updated 1993.

DWP, 1983. *Groundwater Quality Management Plan, San Fernando Valley Basin*, Prepared for Southern California Association of Governments, Department of Water and Power, July 1, 1983.

EP Associates, 2005. *Phase I Environmental Site Assessment, 124 West Colorado Street and 125 and 203 West Elk Avenue, Glendale, California*. EP Associates, May 9, 2005, Project Number 14020201.

ULARA Watermaster, 2003. *Watermaster Service in the Upper Los Angeles River Area Los Angeles County, October 1, 2001-September 30, 2002* Upper Los Angeles River Area Watermaster, May 2003.

U.S. EPA, 1999. *San Fernando Valley Superfund Sites Update*, U.S. Environmental Protection Agency, Region 9, November 1999.



**Table 1**  
**Laboratory Test Results for Total Petroleum Hydrocarbons**  
 124 West Colorado Street, Glendale, California  
 (Concentrations in milligrams per kilogram)

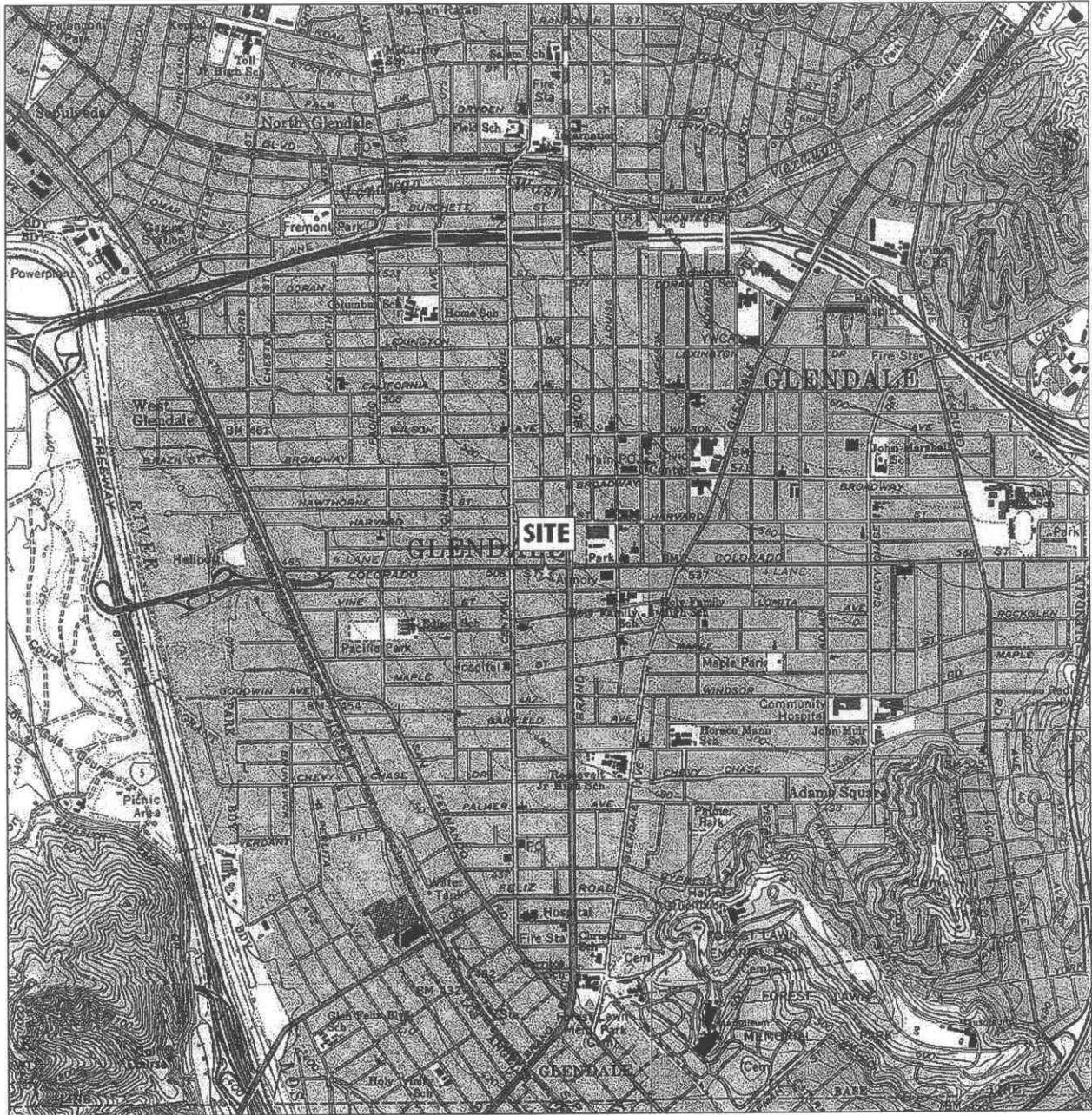
Sample No.	C4-C12 (Gasoline)	C13-C22 (Diesel)	C23-C40 (Heavy-end Hydrocarbons)	Total Petroleum Hydrocarbons (C13-C40)
B1-1'	--	--	--	--
B1-5'	--	--	--	--
B2-1'	--	--	--	--
B2-5'	--	--	--	--
B3-1'	--	ND	<b>16.6</b>	<b>16.6</b>
B3-10'	--	ND	ND	ND
B3-15'	--	ND	ND	ND
B4-1'	--	ND	ND	ND
B4-10'	--	ND	ND	ND
B4-15'	--	ND	ND	ND
B5-1'	--	ND	ND	ND
B5-10'	--	ND	ND	ND
B5-15'	--	ND	ND	ND

-- = not analyzed; ND = not detected at or above the method detection limit

**Table 2**  
**Laboratory Test Results for Volatile Organic Compounds**  
 124 West Colorado Street, Glendale, California  
 (Concentrations in micrograms per kilogram)

COMPOUND	B1- 1'	B1- 5'	B2- 1'	B2- 5'
Acetone	ND	ND	ND	ND
Benzene	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND
sec-Butylbenzene	ND	ND	ND	ND
tert-Butylbenzene	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND
2-Chlorotoluene	ND	ND	ND	ND
4-Chlorotoluene	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND
1,3-Dichloropropane	ND	ND	ND	ND
2,2-Dichloropropane	ND	ND	ND	ND
1,1-Dichloropropene	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
Ethylbenzene	ND	ND	<b>2.0</b>	<b>7.3</b>
Hexachlorobutadiene	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND
Methyl-tert-butyl ether	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND
Styrene	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND
1,1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND
Toluene	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND
m,p-Xylenes	ND	ND	<b>2.0</b>	<b>4.6</b>
o-Xylene	ND	ND	<b>6.3</b>	<b>21.5</b>

Note: ND = Not detected at or above the method detection limit identified in the laboratory report.



0 1000 FEET 0 500 1000 METERS  
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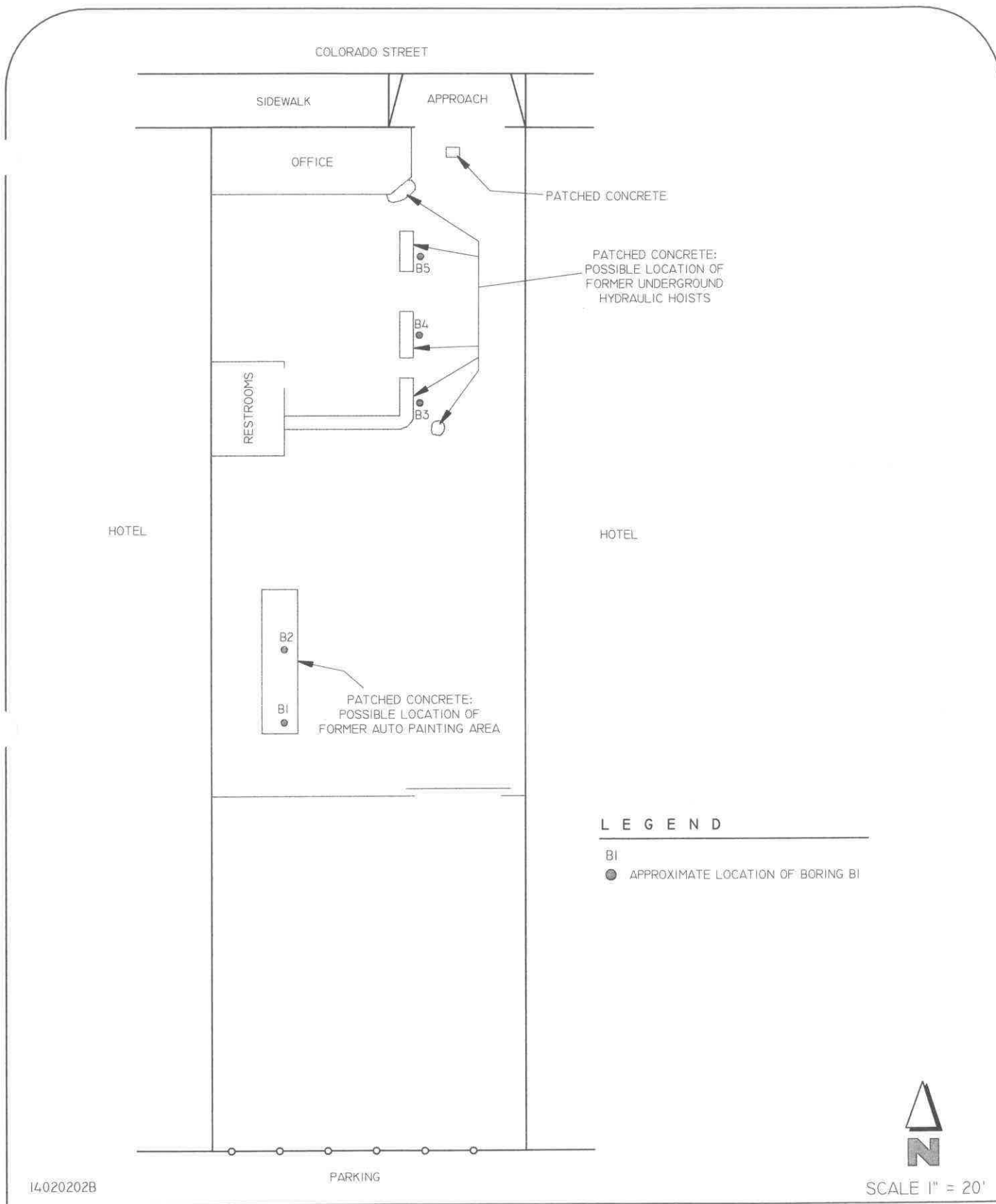
14.020202A

	<b>EP ASSOCIATES</b> 1111 NORTH BRAND BOULEVARD, SUITE 405 GLENDALE, CALIFORNIA 91202-5023 TEL. (818) 246-4499 FAX. (818) 246-4362
---	---

PROJECT NO.	14020202
DRAWN:	ED
DATE:	07/05/05
APPROVED:	VH
REVISED:	

VICINITY MAP TONY SARDO AUTO UPHOLSTERY 124 WEST COLORADO STREET GLENDALE, CALIFORNIA
--

FIGURE 1
-------------



I4020202B

SCALE 1" = 20'



EP ASSOCIATES  
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 GLENDALE, CALIFORNIA 91202-3023  
 TEL. (818) 246-4499 FAX. (818) 246-4362

PROJECT NO. I4020202  
 DRAWN: ED  
 DATE: 07/05/05  
 APPROVED: VH  
 REVISED:

SITE PLAN  
 TONY SARDO AUTO UPHOLSTERY  
 124 WEST COLORADO STREET  
 GLENDALE, CALIFORNIA

FIGURE  
 2



## American Environmental Testing Laboratory Inc.

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### Ordered By

EP Associates  
1111 N. Brand Blvd. Suite 405  
Glendale, CA 91202-3023

Telephone: (818) 246-4499  
Attention: Vahan Hovnanian

Number of Pages 8  
Date Received 06/24/2005  
Date Reported 07/06/2005

Job Number	Order Date	Client
33894	06/24/2005	EP

Project Name: Shawbeth, Inc./Tony Sardo  
Site: 124 W. Colorado Street  
Glendale, CA 91204

Enclosed please find results of analyses of 13 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Cyrus Razmara, Ph.D.  
Laboratory Director



American Environmental Testing Laboratory I.

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CHAIN OF CUSTODY RECORD  
 No 34779

COMPANY: EP Associates  
 PHONE: 914 246-4499

PROJECT MANAGER: Vahan Hovnanian  
 PROJECT # 019-2464362

SITE NAME AND ADDRESS: Shawbeth, Inc. Tony Sardo  
 124 W. Colorado St., Glendale, Ca

AEIL JOB No. 33894

Page 1 of 1

ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS							
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.					
B1 @ 1'	33894-01	6/23/05	8a	SOIL	1 Acetate	ICE	(C13-CWD) 9015M				
B1 @ 5'	33894-02						✓				
B2 @ 1'	33894-03						✓				
B2 @ 5'	33894-04						✓				
B3 @ 1'	33894-05						✓				
B3 @ 10'	33894-06						✓				
B3 @ 15'	33894-07						✓				
B4 @ 1'	33894-08						✓				
B4 @ 10'	33894-09						✓				
B4 @ 15'	33894-10						✓				
B5 @ 1'	33894-11						✓				
B5 @ 10'	33894-12						✓				
B5 @ 15'	33894-13						✓				
<p><b>SAMPLE RECEIPT - TO BE FILLED BY LABORATORY</b></p> <p>TOTAL NUMBER OF CONTAINERS: 13          PROPERLY COOLED: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA</p> <p>CUSTODY SEALS: Y / <input checked="" type="checkbox"/> N / <input type="checkbox"/> NA          SAMPLES INTACT: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA</p> <p>RECEIVED IN GOOD COND.: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N</p> <p>TURN AROUND TIME:  <input checked="" type="checkbox"/> NORMAL  <input type="checkbox"/> RUSH  <input type="checkbox"/> SAME DAY  <input type="checkbox"/> 24 HRS.  <input type="checkbox"/> 48 HRS.  <input type="checkbox"/> 72 HRS.</p>											
RELINQUISHED BY: 1.				RELINQUISHED BY: 2.				RELINQUISHED BY: 3.			
Signature: [Signature]				Signature: [Signature]				Signature: [Signature]			
Printed Name: HEVE FELLINGER				Printed Name: [Signature]				Printed Name: [Signature]			
Date: 6/23/05 Time: 1:00				Date: [Signature]				Date: 6/24/05 Time: 11:35			
RECEIVED BY: 1.				RECEIVED BY: 2.				RECEIVED BY: [Signature]			
Signature: [Signature]				Signature: [Signature]				Signature: [Signature]			
Printed Name: [Signature]				Printed Name: [Signature]				Printed Name: [Signature]			
Date: 6/24/05 Time: 10:50				Date: [Signature]				Date: 06/24/05 Time: 11:35			

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator





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## ANALYTICAL RESULTS

**Ordered By**

**Site**

EP Associates  
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 Suite 405  
 Glendale, CA 91202-3023

124 W. Colorado Street  
 Glendale, CA 91204

Telephone: (818)246-4499  
 Attn: Vahan Hovnanian

Page: 2

Project Name: Shawbeth, Inc./Tony Sardo

AETL Job Number	Submitted	Client
33894	06/24/2005	EP

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 063005

Our Lab I.D.	Method Blank	33894.01	33894.02	33894.03	33894.04		
Client Sample I.D.		B1@1'	B1@5'	B2@1'	B2@5'		
Date Sampled		06/23/2005	06/23/2005	06/23/2005	06/23/2005		
Date Prepared	06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005		
Preparation Method	5030B	5030B	5030B	5030B	5030B		
Date Analyzed	06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005		
Matrix	Soil	Soil	Soil	Soil	Soil		
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg		
Dilution Factor	1	1	1	1	1		
alytes	MDL	PQL	Results	Results	Results	Results	Results
Acetone	25	50	ND	ND	ND	ND	ND
Benzene	2.0	10.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND	ND	ND
Bromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromodichloromethane	5.0	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	25	50	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	15	30	ND	ND	ND	ND	ND
2-Butanone (MEK)	25	50	ND	ND	ND	ND	ND
n-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Carbon Disulfide	25	50	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	10.0	ND	ND	ND	ND	ND
Chlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
Chloroethane	15	30	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50	50	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	15	30	ND	ND	ND	ND	ND
2-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
4-Chlorotoluene	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND	ND	ND	ND
Dibromochloromethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND	ND	ND
Dibromomethane	5.0	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND



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## ANALYTICAL RESULTS

Page: 3

Project Name: Shawbeth, Inc./Tony Sardo

AETL Job Number	Submitted	Client
33894	06/24/2005	EP

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)  
 QC Batch No: 063005

Our Lab I.D.	Client Sample I.D.	Date Sampled	Date Prepared	Preparation Method	Date Analyzed	Matrix	Units	Dilution Factor	Method Blank	33894.01	33894.02	33894.03	33894.04
									B1@1'	B1@5'	B2@1'	B2@5'	
									06/23/2005	06/23/2005	06/23/2005	06/23/2005	06/23/2005
									06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005
									5030B	5030B	5030B	5030B	5030B
									06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005
									Soil	Soil	Soil	Soil	Soil
									ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
									1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results	Results					
Dichlorodifluoromethane	15	30	ND	ND	ND	ND	ND	ND					
1,1-Dichloroethane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND	ND					
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND	ND					
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND	ND	ND	ND					
Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,3-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND	ND					
2,2-Dichloropropane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND	ND					
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	ND	ND	ND					
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND	2.0J	7.3J	ND					
Ethylbenzene	2.0	10.0	ND	ND	ND	ND	ND	ND					
Hexachlorobutadiene	15	30	ND	ND	ND	ND	ND	ND					
2-Hexanone	25	50	ND	ND	ND	ND	ND	ND					
Isopropylbenzene	5.0	10.0	ND	ND	ND	ND	ND	ND					
p-Isopropyltoluene	5.0	10.0	ND	ND	ND	ND	ND	ND					
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND	ND	ND	ND					
Methyl-tert-butyl ether (MTBE)	5.0	10.0	ND	ND	ND	ND	ND	ND					
Methylene chloride (DCM)	25	50	ND	ND	ND	ND	ND	ND					
Naphthalene	5.0	10.0	ND	ND	ND	ND	ND	ND					
n-Propylbenzene	5.0	10.0	ND	ND	ND	ND	ND	ND					
Styrene	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND	ND	ND	ND					
Tetrachloroethene	5.0	10.0	ND	ND	ND	ND	ND	ND					
Toluene (Methyl benzene)	2.0	10.0	ND	ND	ND	ND	ND	ND					
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,1,2-Trichloroethene	5.0	10.0	ND	ND	ND	ND	ND	ND					
Trichlorofluoromethane	5.0	10.0	ND	ND	ND	ND	ND	ND					
1,2,3-Trichloropropane	5.0	10.0	ND	ND	ND	ND	ND	ND					





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## ANALYTICAL RESULTS

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Project Name: Shawbeth, Inc./Tony Sardo

AETL Job Number	Submitted	Client
33894	06/24/2005	EF

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 063005

Our Lab I.D.			Method Blank	33894.01	33894.02	33894.03	33894.04
Client Sample I.D.				B1@1'	B1@5'	B2@1'	B2@5'
Date Sampled				06/23/2005	06/23/2005	06/23/2005	06/23/2005
Date Prepared			06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005
Preparation Method			5030B	5030B	5030B	5030B	5030B
Date Analyzed			06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Dilution Factor			1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results	Results
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	ND	ND
Vinyl Acetate	25	50	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	15	30	ND	ND	ND	ND	ND
o-Xylene	2.0	10.0	ND	ND	ND	2.0J	4.6J
m,p-Xylenes	2.0	20.0	ND	ND	ND	6.3J	21.5
Our Lab I.D.				33894.01	33894.02	33894.03	33894.04
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		110	107	107	110	108
Dibromofluoromethane	75-125		100	104	104	105	106
Toluene-d8	75-125		118	111	101	101	107



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## ANALYTICAL RESULTS

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 Glendale, CA 91202-3023

124 W. Colorado Street  
 Glendale, CA 91204

Telephone: (818)246-4499  
 Attn: Vahan Hovnanian

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AETL Job Number	Submitted	Client
33894	06/24/2005	EP

Project Name: Shawbeth, Inc./Tony Sardo

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 062905

Our Lab I.D.	Method Blank	33894.05	33894.06	33894.07	33894.08		
Client Sample I.D.		B3@1'	B3@10'	B3@15'	B4@1'		
Date Sampled		06/23/2005	06/23/2005	06/23/2005	06/23/2005		
Date Prepared	06/29/2005	06/29/2005	06/29/2005	06/29/2005	06/29/2005		
Preparation Method	3550B	3550B	3550B	3550B	3550B		
Date Analyzed	06/29/2005	06/29/2005	06/29/2005	06/29/2005	06/29/2005		
Matrix	Soil	Soil	Soil	Soil	Soil		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		
Dilution Factor	1	1	1	1	1		
alytes	MDL	PQL	Results	Results	Results	Results	Results
1 PH as Diesel (C13-C22)	5.0	10.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	5.0	10.0	ND	16.6	ND	ND	ND
TPH Total as Diesel and Heavy HC.C13-C40	5.0	10.0	ND	16.6	ND	ND	ND
Our Lab I.D.		33894.05	33894.06	33894.07	33894.08		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
Chlorobenzene	75-125	82	102	100	101	103	



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Project Name: Shawbeth, Inc./Tony Sardo

AETL Job Number	Submitted	Client
33894	06/24/2005	EP

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 062905

Our Lab I.D.			33894.09	33894.10	33894.11	33894.12	33894.13
Client Sample I.D.			B4@10'	B4@15'	B5@1'	B5@10'	B5@15'
Date Sampled			06/23/2005	06/23/2005	06/23/2005	06/23/2005	06/23/2005
Date Prepared			06/29/2005	06/29/2005	06/29/2005	06/29/2005	06/29/2005
Preparation Method			3550B	3550B	3550B	3550B	3550B
Date Analyzed			06/30/2005	06/30/2005	06/30/2005	06/30/2005	06/30/2005
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
analytes	MDL	PQL	Results	Results	Results	Results	Results
TPH as Diesel (C13-C22)	5.0	10.0	ND	ND	ND	ND	ND
TPH as Heavy Hydrocarbons (C23-C40)	5.0	10.0	ND	ND	ND	ND	ND
TPH Total as Diesel and Heavy HC (C13-C40)	5.0	10.0	ND	ND	ND	ND	ND
Our Lab I.D.			33894.09	33894.10	33894.11	33894.12	33894.13
Surrogates	%Rec. Limit		% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Chlorobenzene	75-125		94	101	104	101	97



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AETL Job Number	Submitted	Client
33894	06/24/2005	EP

Project Name: Shawbeth, Inc./Tony Sardo

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

### QUALITY CONTROL REPORT

QC Batch No: 063005 Sample Spiked: 063005 QC Prepared: 06/30/2005 QC Analyzed: 06/30/2005 Units: ug/Kg

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.0	50.00	45.50	91	50.00	45.00	90	1.1	75-125	<20
Chlorobenzene	0.0	50.00	41.00	82	50.00	40.00	80	2.5	75-125	<20
1,1-Dichloroethene	0.0	50.00	51.00	102	50.00	52.50	105	2.9	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.0	50.00	48.50	97	50.00	43.00	86	1.0	75-125	<20
ene (Methyl benzene)	0.0	50.00	43.00	86	50.00	43.50	87	1.2	75-125	<20
Trichloroethene	0.0	50.00	53.00	106	50.00	49.00	98	7.6	75-125	<20

QC Batch No: 063005 Sample Spiked: 063005 QC Prepared: 06/30/2005 QC Analyzed: 06/30/2005 Units: ug/Kg

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit
Benzene	50.00	51.00	102	75-125
Chlorobenzene	50.00	44.50	89	75-125
1,1-Dichloroethene	50.00	56.50	113	75-125
Methyl-tert-butyl ether (MTBE)	50.00	56.00	112	75-125
Toluene (Methyl benzene)	50.00	50.50	101	75-125
Trichloroethene	50.00	54.50	109	75-125
LCS				
Chloroform (Trichloromethane)	50.00	56.50	113	75-125
Ethylbenzene	50.00	46.50	93	75-125
1,1,1-Trichloroethane	50.00	59.00	118	75-125
o-Xylene	50.00	46.00	92	75-125
m,p-Xylenes	100.00	90.00	90	75-125



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AETL Job Number	Submitted	Client
33894	06/24/2005	EP

Project Name: Shawbeth, Inc./Tony Sardo

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

### QUALITY CONTROL REPORT

QC Batch No: 062905 Sample Spiked: 33906.13 QC Prepared: 06/29/2005 QC Analyzed: 06/29/2005 Units: mg/Kg

Analytes	Sample Result	MS Concn	MS Recov	MS % REC	MS DUP Concn	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.0	500.00	430.00	86	500.00	415.00	83	3.6	75-125	<20

QC Batch No: 062905 Sample Spiked: 33906.13 QC Prepared: 06/29/2005 QC Analyzed: 06/29/2005 Units: mg/Kg

Analytes	LCS Concn	LCS Recov	LCS % REC	LCS/LCSD % Limit
TPH as Diesel (C13-C22)	500.00	440.00	88	75-125