



UNDERGROUND STORAGE TANK REMOVAL REPORT

for

**Salle's Auto Body Shop
1049 Nineth Avenue
Oakland, California**

Prepared for

**Walker's Hydraulics Inc.
2322 North Bates Avenue
Concord, California 94520**

by

Touchstone Developments

Walker's Hydraulics
↓
Walker →
(510) 798-1217

February 8, 1994



February 8, 1994

Salle's Auto Body Shop
1049 Nineth Avenue
Oakland, California

Reference: Underground Fuel Tank Removal
1049 - 9th Ave. @ East 11th Street
Oakland, California

Gentlemen:

This report summarizes sampling activities performed at the above referenced location (figure 1) after the removal of an underground storage tank (UST). The excavation and tank removal was performed by Walker hydraulics and the transportation of the tank for disposal was performed by H & H Ship Service Company. The sampling activities described in this report were performed on December 29, 1993 to comply with the current Tri-Regional Water Quality Control Board Guidelines and Alameda County Environmental Health Department.

SITE DESCRIPTION

The site is occupied by Salle's Auto Body Shop. Much of the surrounding properties are commercial. The contractor Walker Hydraulics had already excavated around the tank to uncover it prior to Touchstone Developments arrival. The fuel tank was located east of the Auto Body Shop building in the sidewalk approximately 50 feet south of the southeast corner of the building (Figure 1).

The tank was a 1000 gallon single wall steel tank used for storing gasoline fuel. It is not known to Touchstone Developments when the tank was installed. A couple of holes were observed on the top of the tank near the fill piping (south end of the tank) approximately 1/4 to 2 inches in diameter. No holes were observed on the tank sides or bottom.

Tank removal and sampling were performed December 29, 1993 and observed by both inspectors Eva Chu and Madhulla Logan representing Alameda County Public Health Department, Hazardous Materials Division.

SOIL SAMPLING

Soil samples were collected in clean two inch by six inch brass tubes, covered at both ends with aluminum foil and sealed with plastic end caps. The soil samples were labeled, entered on a Chain-of-Custody form, put in a cooler with ice and transported to Superior Precision Analytical, Inc., a State-certified laboratory in Martinez, California.

UST Excavation Sampling

Soil samples TS, TN, TE and TW were collected after the tank was removed from the sidewalls of the tank excavation (figure 1). Soil samples were collected approximately 5 1/2 feet below grade below in the center of each sidewall due to the presence of water at 6 feet below grade. Soil samples were collected from a backhoe bucket by removing the top few inches of soil before pushing the brass tubes into the soil until completely full.

Water samples were bailed from the bottom of the excavation but it was unclear whether the water was collected from the recent rains or groundwater.

After sidewall samples were collected the excavation was dug down to 13 1/2 feet below grade to clean out the suspected hydrocarbon contaminated soil. Soil sample TB was then collected from the bottom center of the excavation approximately 13 1/2 feet below grade. This excavation was left open over night before backfilling and no recharge of water was observed in the excavation the following morning.

Touchstone Developments notified Eva Chu that groundwater may not have been encountered during the tank removal sampling. Eva Chu informed TD that the water samples (Labeled H2O) collected could then be discarded at the laboratory.

The final excavation dimensions were 6 feet wide by 13 feet long by 13 1/2 feet in depth. Approximately 30 cubic yards of soil was generated from the excavation activities and stockpiled. Soil sample SP-1 was collected from this material. The stockpile was placed on and covered with visqueen.

ANALYTICAL RESULTS

Excavation soil samples were analyzed for Total Petroleum Hydrocarbons calculated as Gasoline (TPH-Gas) according to EPA Method 8015 Modified, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) according to EPA Method 8020 and Total

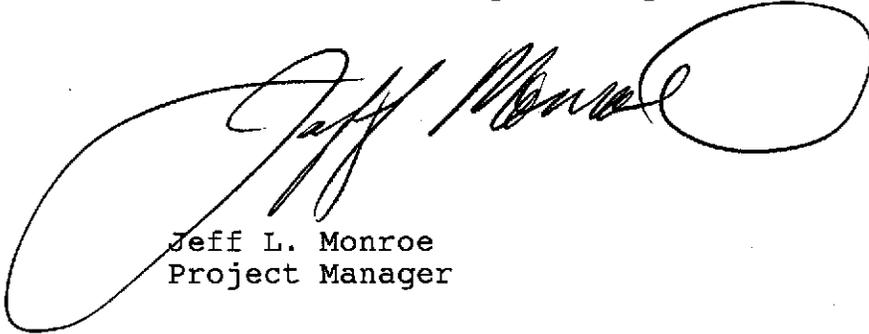
Page 3

Lead according to EPA Method 6010. The stockpile sample was analyzed for TPH-gas, BTEX and Organic Lead.

Excavation samples were not detected (ND) at or above the laboratory detection limits for either TPH-Gas or BTEX with the exception of sample TS which was found to have 1 part per million (ppm) of TPH-gasoline, 0.086 ppm Benzene, 0.16 ppm Toluene, 0.016 ppm Ethylbenzene and 0.11 ppm Xylenes. Certified Analytical Reports are attached in Appendix A.

Please do not hesitate to call if you have questions, my telephone number is (707) 538-8818.

Touchstone Developments by,

A large, stylized handwritten signature in black ink, appearing to read "Jeff Monroe". The signature is written in a cursive style with a large loop at the end.

Jeff L. Monroe
Project Manager

JLM/jlm

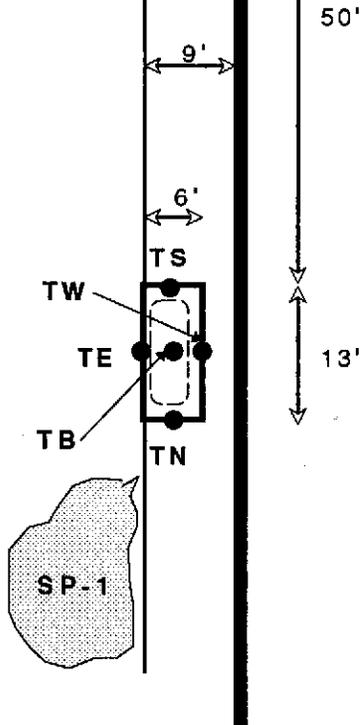
Figure 1: Site Plan with Sample Locations
Appendix A: Analytical Laboratory Report and Chain-of-Custody
Form

9th Avenue

sidewalk

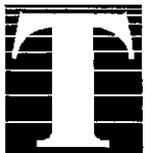
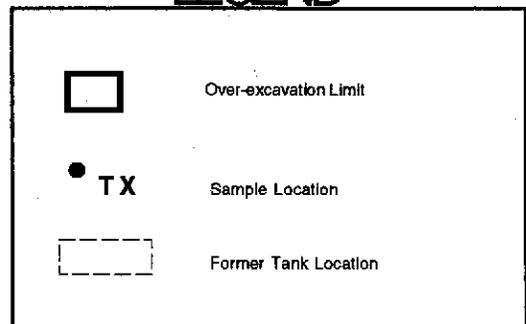
East 11th Street

Salle's
Auto Body Shop
Building



scale 1" = 20'

LEGEND



**Touchstone
Developments**
Environmental Management

**Site Plan /
Sampling Locations**
1049 9th Avenue
Oakland, California

Figure 1

2-1-94

mjt

Project Number 93-25

APPENDIX A:

Certified Analytical Reports and Chain-of-Custody forms



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

TOUCHSTONE
Attn: JEFF MONROE

Project 93-25
Reported 06-January-1994

ANALYSIS FOR TOTAL LEAD
by EPA Method SW-846 6010

Chronology

Laboratory Number 90878

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
TS	12/29/93	12/29/93	01/04/94	01/04/94		1
TN	12/29/93	12/29/93	01/04/94	01/04/94		2
TE	12/29/93	12/29/93	01/04/94	01/04/94		3
TW	12/29/93	12/29/93	01/04/94	01/04/94		4
TB	12/29/93	12/29/93	01/04/94	01/04/94		7



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TOUCHSTONE
Attn: JEFF MONROE

Project 93-25
Reported 06-January-1994

ANALYSIS FOR TOTAL LEAD

Laboratory Number	Sample Identification	Matrix
90878- 1	TS	Soil
90878- 2	TN	Soil
90878- 3	TE	Soil
90878- 4	TW	Soil
90878- 7	TB	Soil

RESULTS OF ANALYSIS

Laboratory Number:	90878- 1	90878- 2	90878- 3	90878- 4	90878- 7
TOTAL LEAD:	ND<5	ND<5	6	ND<5	ND<5
Concentration:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 ▪ Martinez, California 94553 ▪ (510) 229-1512 / fax (510) 229-1526

ANALYSIS FOR TOTAL LEAD Quality Assurance and Control Data - Soil

Laboratory Number 90878

Compound	Method Blank (mg/Kg)	RL (mg/Kg)	Spike Recovery (%)	Limits (%)	RPD (%)
TOTAL LEAD:	ND<5	5	92/95	75-125	3%

Definitions:

ND = Not Detected

RPD = Relative Percent Difference

RL = Reporting Limit

mg/Kg = Parts per million (ppm)

QC File No. 90878

Michael R. Viers

Senior Chemist
Account Manager



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

TOUCHSTONE
Attn: JEFF MONROE

Project 93-25
Reported 06-January-1994

ORGANIC LEAD
SW-846 METHOD 7000 SERIES METALS BY GFAA AND AA

Chronology

Laboratory Number 90878

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
SP-1	12/29/93	12/29/93	01/05/94	01/05/94		6



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

TOUCHSTONE
Attn: JEFF MONROE

Project 93-25
Reported 06-January-1994

ORGANIC LEAD
SW-846 METHOD 7000 SERIES METALS BY GFAA AND AA

Laboratory Number	Sample Identification	Matrix
90878- 6	SP-1	Soil

RESULTS OF ANALYSIS
Laboratory Number: 90878- 6

ORGANIC LEAD: ND<2
Concentration: mg/Kg



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

ORGANIC LEAD SW-846 METHOD 7000 SERIES METALS BY GFAA AND AA

Quality Assurance and Control Data - Soil

Laboratory Number 90878

Compound	Method Blank (mg/Kg)	RL (mg/Kg)	Spike Recovery (%)	Limits (%)	RPD (%)
ORGANIC LEAD:	ND<2	2	104/103	75-125	1%

Definitions:

- ND = Not Detected
- RPD = Relative Percent Difference
- RL = Reporting Limit
- mg/Kg = Parts per million (ppm)
- QC File No. 90878

Michael R. Vargas
 Senior Chemist
 Account Manager



Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

TOUCHSTONE
Attn: JEFF MONROE

Project 93-25
Reported 01/06/94

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
90878- 1	TS	12/29/93	01/05/94 Soil
90878- 2	TN	12/29/93	01/04/94 Soil
90878- 3	TE	12/29/93	01/04/94 Soil
90878- 4	TW	12/29/93	01/04/94 Soil
90878- 6	SP-1	12/29/93	01/04/94 Soil
90878- 7	TB	12/29/93	01/04/94 Soil

RESULTS OF ANALYSIS

Laboratory Number: 90878- 1 90878- 2 90878- 3 90878- 4 90878- 6

Gasoline:	1	ND<1	ND<1	ND<1	550
Benzene:	0.086	ND<.005	ND<.005	ND<.005	ND<0.5
Toluene:	0.16	ND<.005	ND<.005	ND<.005	0.69
Ethyl Benzene:	0.016	ND<.005	ND<.005	ND<.005	3.9
Total Xylenes:	0.11	ND<.005	ND<.005	ND<.005	14
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number: 90878- 7

Gasoline:	ND<1
Benzene:	ND<.005
Toluene:	ND<.005
Ethyl Benzene:	ND<.005
Total Xylenes:	ND<.005
Concentration:	mg/kg



C E R T I F I C A T E O F A N A L Y S I S

A N A L Y S I S F O R T O T A L P E T R O L E U M H Y D R O C A R B O N S

Page 2 of 2
QA/QC INFORMATION
SET: 90878

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
mg/kg = parts per million (ppm)

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Soil: 0.005mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	124/116	7%	70-130
Benzene:	112/109	3%	70-130
Toluene:	109/106	3%	70-130
Ethyl Benzene:	106/103	3%	70-130
Total Xylenes:	111/107	4%	70-130

Michael R. Veary
Senior Chemist

90878

Chain of Custody and Analysis Request

Touchstone Developments
 Address: 684 30th Avenue
 City : San Francisco, CA 94121
 Phone: (415) 386-8791 Fax: (415) 386-8791
 Project Manager: ~~Michael J. Tamborelli~~
 Alternate Contact:
 Project No.: 93-25 P.O. No. 93-25

TURN AROUND TIME
 (circle one)

Same Day 72 Hrs.
 24 Hrs. 48 Hrs.
Normal 5 Day

Superior Precision Analytical Inc.
 P.O. Box 1545
 Martinez, California 94553

Martinez I: (510) 229-1512
 Martinez II: (510) 229-0166
 San Francisco: (415) 647-2081

Section II: Analysis Request

Sampler: Jeff Moore
 Regulatory Agency: ACEHD

Sample Identification	S = Soil A = Air W = Water Matrix	8010 ICL Hydro	8015M (Gas)	8015M (Liquid)	8015M/8020 (Gas/STCO)	8240 (VOCs)	8270 (SVOCs)	8520P (TOG)	Organic Ph	Total Pb	Date Sampled	Time Sampled	# of Containers	Preservatives (yes or no)	COMMENTS:
1 TS 1	S										12/29	11:00	1	ICE	From Salles's Auto Shop 1049 - 9th Ave. Oakland CA
2 TN 2	↓											11:03	1	↓	
3 TE 3	↓											11:10	1	↓	
4 TW 4	↓											11:15	↓	↓	
5 H ₂ O 5	W											10:55	5	Hcl	
6 SP-1 6	S											11:15	1	ICE	
7 TB 7	S										12/29	11:30	1	↓	
8															
9															
10															
11															
12															

Please Initial: _____
 Samples Stored in Ice: _____
 Appropriate containers _____
 Samples preserved _____
 VOA's without headspace _____
 Comments: _____

Relinquished By: <u>Jeff Moore</u> Organization: <u>TD</u>	Date/Time: <u>12-29-93</u> <u>14:15</u>	Received By: _____ Organization: _____	Date/Time: _____	Lab: Please initial the following: Samples Stored in Ice: <u>NH</u> Appropriate Containers: <u>✓</u> Samples Preserved: <u>NA</u> VOAs without headspace: <u>NA</u> Comments: <u>60</u>
Relinquished By: _____ Organization: _____	Date/Time: _____	Received By: _____ Organization: _____	Date/Time: _____	Lab: Please initial the following: Samples Stored in Ice: _____ Appropriate Containers: _____ Samples Preserved: _____ VOAs without headspace: _____ Comments: _____
Relinquished By: _____ Organization: _____	Date/Time: _____	Received By: <u>Nickie Heath</u> Laboratory: <u>Superior</u>	Date/Time: <u>2:15pm</u> <u>12/29/93</u>	Lab: Please initial the following: Samples Stored in Ice: _____ Appropriate Containers: _____ Samples Preserved: _____ VOAs without headspace: _____ Comments: _____



WALKER'S HYDRAULICS, INC.

2322-N BATES AVENUE
CONCORD, CALIFORNIA 94520
(510) 798-1217

February 10, 1994

Ms. Madhulla Logan, M.S.
Hazardous Materials Specialist
Alameda County Public Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, Ca 94621

91 FEB 15 PM 12:17
ALAMEDA COUNTY
HAZARDOUS MATERIALS

Re: Tank Closure for Salle's Paint and Body Shop, 1049 - 9th Ave.

Dear Ms. Logan:

Enclosed please find the report by Touchstone Developments for the above tank removal.

As you can see, there is no further remedial action required on this tank site. The excavation has been back-filled with pea gravel, compacted, the sidewalk replaced, and signed off by the city of Oakland.

Enclosed is a copy of the closure plan for you to sign off as being closed. Please return the signed plan to our office so we can copy it and forward to the property owner.

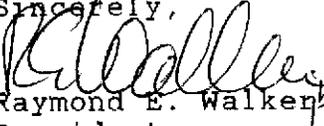
Also is a map showing the area the soil stockpile has been move to.

In a timely fashion, we will apply to the Bay Area Air Quality Control Board for a permit to aerate the soil. We will then place 6 mil. visqueen on the ground and spread the soil to obtain maximum exposure. In a timely manner, we will turn the soil to allow volatilization of the gasoline.

A composite sample will be taken for analysis, with a copy of the report sent to you. Please advise if you want to see the sampling process.

Thank you for your help with this project.

Sincerely,


Raymond E. Walker
President

Enclosures



WALKER'S HYDRAULICS, INC.

2322-N BATES AVENUE
CONCORD, CALIFORNIA 94520
(510) 798-1217

February 10, 1994

Ms. Madhulla Logan, M.S.
Hazardous Materials Specialist
Alameda County Public Health Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, Ca 94621

Re: Tank Closure for Salle's Paint and Body Shop, 1049 - 9th Ave.

11th ST

Dear Ms. Logan:

Enclosed please find the report by Touchstone Developments for the above tank removal.

As you can see, there is no further remedial action required on this tank site. The excavation has been back-filled with pea gravel, compacted, the sidewalk replaced, and signed off by the city of Oakland.

Enclosed is a copy of the closure plan for you to sign off as being closed. Please return the signed plan to our office so we can copy it and forward to the property owner.

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Thank you for your help with this project.

Sincerely,


Raymond E. Walker
President

Enclosures

483
P 02

Dispatched 644

4/21/94

1100

PRR-20-1994 09:02



**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**

939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40

Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

N. Lewis

NOTIFICATION FORM

Removal or Replacement of Tanks
 Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS Corner of 8th Avenue & 11th Street
 CITY, STATE Oakland, CA ZIP 94606
 OWNER NAME Richard S. Cochran
 SPECIFIC LOCATION OF PROJECT On the corner south of 8th Ave. & west of 11th Street

<u>TANK REMOVAL</u>	<u>CONTAMINATED SOIL EXCAVATION</u>
SCHEDULED STARTUP DATE _____	SCHEDULED STARTUP DATE <u>04-20-94</u>
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES _____ NO _____
<input type="checkbox"/> WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
<input type="checkbox"/> VAPOR FREEING (CO ²)	_____
<input type="checkbox"/> VENTILATION	(MAY REQUIRE PERMIT)
	Turning over dirt for continuing aeration.

CONTRACTOR INFORMATION

NAME Walker's Hydraulics, Inc. CONTACT Ray Walker
 ADDRESS 2322-N Bates Avenue PHONE (510) 798-1217
 CITY, STATE, ZIP Concord, CA 94520

**CONSULTANT INFORMATION
(IF APPLICABLE)**

NAME Touchstone Developments CONTACT Mike Tambroni
 ADDRESS 684 - 30th Avenue PHONE (415) 386-8791
 CITY, STATE, ZIP San Francisco, CA 94121

FOR OFFICE USE ONLY

DATE RECEIVED FAX 4/20/94 BY Bly (init.)
 DATE POSTMARKED _____ BY _____ (init.)
 CC: INSPECTOR NO. 483 DATE 4/21/94 BY Bly (init.)
 UPDATE: CONTACT NAME _____ DATE _____ BY _____ (init.)
 BAAQMD N # _____ DATA ENTRY 4/21/94

Client name DICK COCHRAN			Job number Stockpile			Analyses required						
Project name SALLY'S AUTO BODY			Sampler(s) WALKERS HYD			<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH G</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Hazardous sample Special handling required</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Normal IAT</div> </div>						
Project manager TAT CASHMAN												
Sample number	Date sampled	Time sampled	Type Composite or Grab	Sample description	Number of containers							Remarks
P1	8/23/94	4:00PM	GRAB	SANDY SOIL / DIRT	1							Composite 1-2-3
P2					1	X						
P3					1							
P4					1							Composite 4-5-6
P5					1	X						
P6				Please Initial: <u>Val</u>	1							Composite 7-8
P7				Samples Stored in ice. <u>-2°C</u>	1							
P8				Appropriate containers <u>Yes</u>	1							
				Samples preserved <u>N/A</u>	1	X						
				Containers without headspace <u>Yes</u>	1							

Signature	Company	Date	Time
Relinquished by <u>Eric Walker</u>	<u>WALKERS HYD (ON ICEBOX OVERNIGHT)</u>		
Received by			
Relinquished by		<u>8-24-94</u>	
Received by			
Relinquished by			
Received by <u>Val O'Garra</u>		<u>08/24/94</u>	