

#71

2301 E 12th St, Oakland 94601

8/31/93

Tank Closure Report

Rec 9/13/93
Blhan



Epigene International
CONSULTING GEOLOGISTS

August 31, 1993

Mr. Barney Chan
Division of Hazardous Materials
Department of Environmental Health
Alameda County Health Agency
80 Swan Way, Rm. 350
Oakland, CA 94621

Subject: Tank Closure Report for 2301 East 12th Street, Oakland

Dear Mr. Chan:

1. INTRODUCTION.

As per your request, this report has been prepared to summarize and document the tank closure activities at the subject site. The site is located at the southwest corner of the intersection of East 12th Street and 23rd Ave. in Oakland (see Figure 1). A site plan is shown on Figure 2. The site was and presently is used as an automobile repair facility. Four underground storage tanks were removed from the site during the time period of December 1990 to March 1991.

A relatively brief tank closure report was prepared in March 1991 by the tank removal contractor (see Attachments A-7 and A-8 in Appendix A). The report and backup documents were submitted to the County. However, the report did not address all of the requirements for a tank closure report and the attached documents were not organized in a way that would allow a meaningful review of the closure activities.

This report attempts to summarize the tank closure activities by presenting a chronology of events based on the available documentation. It presents many of the same documents that were previously submitted to the County but cross-referenced to the

discussion in a manner that is hopefully easier to follow. The documentation is presented as a series of attachments included in Appendices A and C and separate appendices for laboratory reports, chain-of-custody forms, etc.

2. LIST OF PARTICIPANTS

Because the existing documents have been made out in various names, the following list is intended to help clarify the role of the participants.

A) Property owner:

J. W. Silveira
499 Embarcadero
Oakland, CA 94606

B) Tenant at time of tank removals:

Mr. Nick Perry
Senna Automotive (also shown as Mel Senna Brake Service)
2301 East 12th Street
Oakland, CA 94606

C) Current tenant:

Alejo Auto Parts / Alejo Automotive
2301 East 12th Street
Oakland, CA 94606

D) Consultant retained by Mr. Silveira to coordinate tank removals:

Mr. Leal Charonnat - Architect
P.O. Box 3960
Berkeley, CA 94703

E) Tank Removal Contractor (also responsible for the disposal
of hazardous materials and sampling of soil)

Walker's Hydraulics, Inc.

(previous address)

250 Keats Circle

Pleasant Hill, CA 94523

(current address)

2322 N Bates Ave.

Concord, CA 94520

F) State Certified Laboratory:

Trace Analysis Laboratory, Inc.

3423 Investment Blvd., Suite #8

Hayward, CA 94545

G) Alameda County Health Agency oversight:

Mr. Barney Chan

Department of Environmental Health

80 Swan Way, Rm. 350

Oakland, CA 94621

3. CHRONOLOGICAL SUMMARY

The removal of the four underground storage tanks at the site was carried out in two phases. It is therefore, more convenient to discuss the activities of each phase separately. The approximate lateral extent of excavation for each phase has been added to the the site plan and presented as Figure 3.

3.1 Phase 1 Activities

The first phase included the removal of a 6000 gallon tank reported to have been used for the storage of diesel fuel and a 1000 gallon

tank reported to have been used for the storage of gasoline. A preliminary copy of the tank closure plan indicated that the tanks had not been used for at least 10 years prior to 1990. The gasoline is assumed to have been leaded. The diesel tank was reported to have had residue at the bottom and the gasoline tank was reported to be empty.

Dec. 19, 1990 - Excavation was initiated and the tanks exposed. H & H Ship Services removed 2000 gallons of liquid from the tanks by vacuum truck. The liquid is assumed to have been a combination of residue from the 6000 gallon tank and rinsate from washing the tanks. The manifest for the transportation and disposal of the liquid waste is presented as Attachment A-1 in Appendix A.

The tanks were removed from the ground and taken away by H & H Ship Service for disposal. The manifest for the tank hauling is included as Attachment A-2 in Appendix A. A certificate of disposal for the tanks was issued and included as Attachment A-3 in Appendix A. There are no data in the files regarding the condition of the tanks. They are assumed to have been single-wall steel tanks. A recent letter from Mr. Ray Walker of Walker's Hydraulics (see Attachment A-6 in Appendix A) indicated that any piping encountered was removed but there are no details available regarding the condition of the piping or connections.

Soil and backfill excavated from the tank pit were placed in three stockpiles as shown on Figure 4. Figure 4 is a field sketch map prepared at the time of excavation. It was decided not to redraft any of the original sketch maps that show sample locations for this report to avoid any confusion regarding the accuracy of the locations.

The excavation encountered groundwater and groundwater samples were

collected from below each tank by personnel from Walker's Hydraulics. Two soil samples were also collected from below each tank at the base of the excavation. The three stockpiles were sampled. Sampling techniques were not discussed in the available field data or notes and it is assumed that standard sampling protocol was used.

The locations of samples collected on 12/19/90 are shown on Figure 4. The results of the analysis are summarized in the Phase 1 Summary Table in parts per million (PPM), consistent with most of the laboratory reports. The Certified Laboratory Reports for all Phase 1 sampling are presented in Appendix B. The reports in Appendix B are included in chronological sequence beginning with the first sampling event. The chain-of-custody form for each sampling event precedes the laboratory report. As can be seen on Figure 4, there was some confusion between east and west in describing the soil samples from the pit. It was assumed that the plot correctly shows the sample locations. This assumption was used in summarizing the analytical results on the Table.

Dec. 20, 1990 - The analytical results indicated the presence of relatively high concentrations of both gasoline and diesel fuel below the east end of the 1000 gallon tank and the west end of the 6000 gallon tank (see Figure 4 and Phase 1 Table).

The sludge from the tank bottom of the 6000 gallon tank was found to contain chlorinated hydrocarbons by H and H Ship Services. The laboratory report for their analysis is not available.

Dec. 24, 1990 - Based on the analytical results, Mr. Ray Walker of Walker's Hydraulics filed an Underground Storage Tank Unauthorized Release Report for the site. A copy of the report is presented as Attachment A-4 in Appendix A.

? Overexposed

Dec. 26, 1990 - Deep soil samples were collected from below the east end of the 1000 gallon tank and the west end of the 6000 gallon tank. The samples were analyzed for TPH as gasoline and BTEX but not for TPH as diesel. The Certified Laboratory Reports are included in Appendix B and are summarized in Table 1. The concentrations of gasoline were significantly lower than the soil samples from just below the tanks. The results were transmitted to Mr. Barney Chan at Alameda County Dept. of Environmental Health.

December 31, 1990 - The sludge from the tank bottom of the 6000 gallon tank was drummed and returned to the site under the original manifest. The documentation for the return is presented as Attachment A-5. ?

January 8, 1991 - Mr. Barney Chan sent a letter to Mr. Ray Walker acknowledging the receipt of the previous data. The letter also requested the collection of sidewall samples from the pit to assess the potential for lateral contamination.

January 10, 11, 16, 1991 - The sidewall samples were collected and analyzed as requested. The results of the analysis are included in Appendix B and summarized in Table 1. The results indicated that the soil in the sidewall of the pit appear to be non-hazardous.

January ?, 1991 - According to the original Closure Report prepared by Walker's Hydraulics, the pit was lined with plastic sheeting (a double layer of 6 mil Visqueen) and the spoil from the excavation of the tanks (without remediation) had to be used as backfill to prevent failure of the pit walls. It is not clear whether or not all the spoil was used or if any was set aside for remediation and/or removal. Additional fill was reportedly imported to bring the site of the pit to grade. There is no documentation regarding the quantity of fill that was imported.

spoils
Reused

3.2 Phase 2 Activities

February 11, 1991 - The two tanks originally reported as 500 gallon waste oil tanks were exposed. Each tank was actually 1000 gallon in size. The contents of the tanks and contaminated groundwater in the excavation were removed by Erickson, Inc. using a vacuum truck. A copy of the manifest is included as Attachment A in Appendix C. The contents were estimated to be 90-95 % water.

The tanks were excavated by Walker's Hydraulics and removed from the site by Erickson Inc. under a manifest and certificates of disposal were issued. These are included as Attachments B, C, and D in Appendix C. A note by the City of Oakland Fire Inspector indicated that one of the tanks had a hole in the bottom. A letter from Mr. Ray Walker stated that any piping encounter was removed (see Attachment A-6 in Appendix A).

Four soil samples were taken from the base of the pit and one from the stockpile. The locations are shown on Figure 8 and the results are summarized on Table 2 (Phase 2 Table) and the Certified Laboratory results are presented in Appendix D. The analysis included TPH as diesel, TPH as gasoline with BTEX, 8010, and the five Tri-region metals (cadmium, chromium, lead, nickel, and zinc). Significantly high levels of diesel were found in two of the samples from the pit from what was reported to be the fill end of the tanks.

February 27, 1991 - The area of the pit with the high level of diesel was excavated to a depth of 13 feet and three soil samples were taken from the base of the pit. The results indicated a significant drop in contamination (see Table 2 and Appendix D).

The pit was then lined with plastic sheeting (reported to be a

double layer of 6 mil Visqueen) and backfilled using some of the spoil and the rest imported fill to bring the area to grade. The contaminated spoil (approximately 18 yards) was taken to Gibson Oil Co. in Bakersfield. The manifest for the soil is included as Attachment E in Appendix C.

4. SUMMARY

It appears that some of the contaminated soil was used as backfill in the Phase 1 area. Although not all of the contaminated soil was removed from the excavations, the soil is generally below the groundwater table and, therefore, becomes more of a groundwater problem. A workplan to address these concerns and provide additional characterization of the site is presented under separate cover.

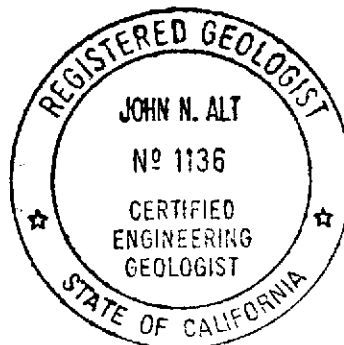
This report was prepared by the undersigned based on the data available. He did not witness any of the tank removal and/or sampling activities. Should additional information become available in the future, it will be provided as an addendum to this report.

Sincerely,



John N. Alt, CEG No. 1136

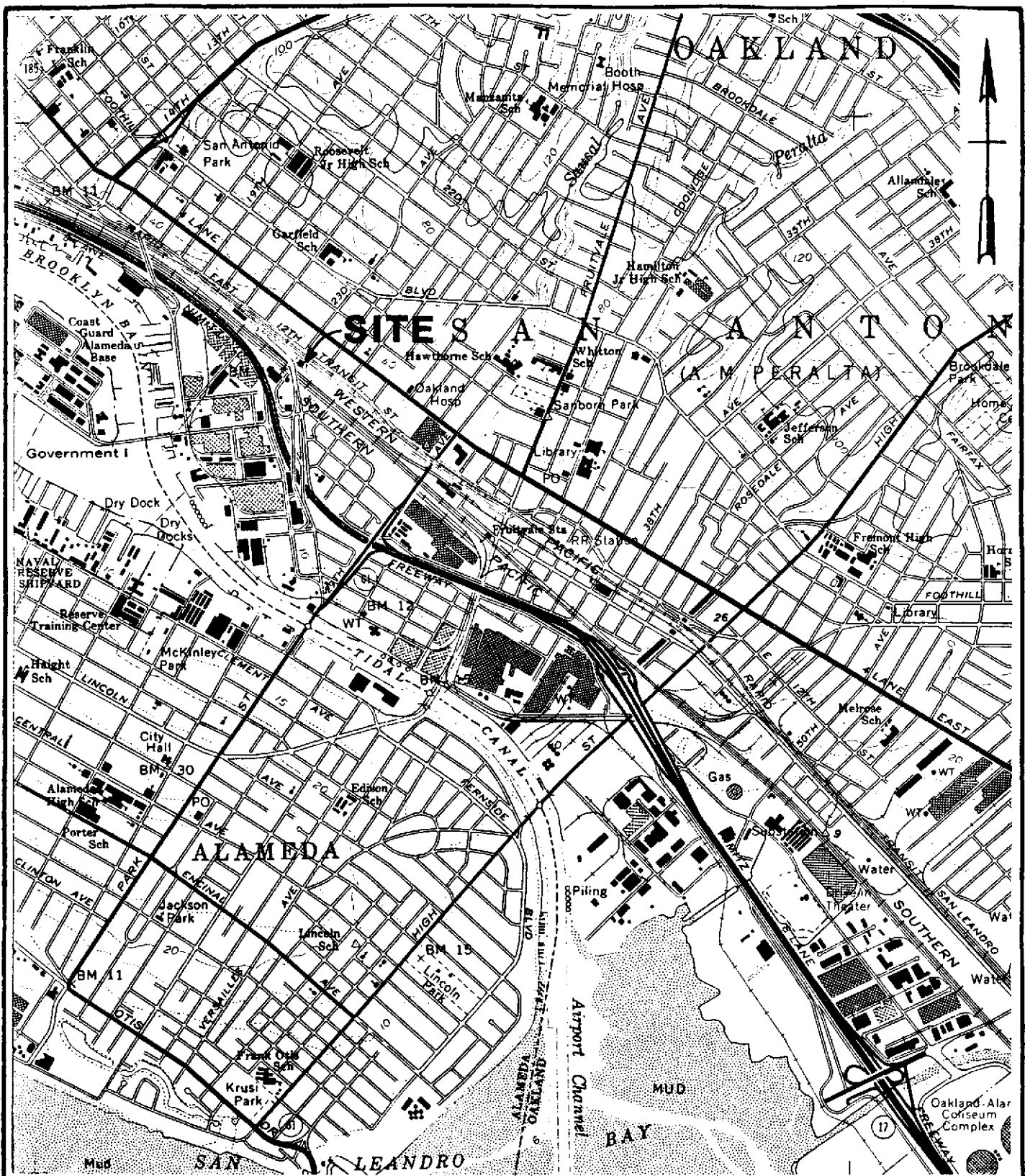
cc. Mr. Rich Hiett, RWQCB
Mr. J. W. Silveira
Mr. Robert Shapiro, Esq.
Mr. James Brinker



SUMMARY TABLE OF LABORATORY RESULTS - SOIL AND WATER SAMPLES (in PPM)
 PHASE 1 AREA 2301 E. 12TH STREET, OAKLAND

SAMPLE # DATE	SAMPLE LOCATION	APPROX. DEPTH	TPH DIESEL	TPH GASOLINE	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENE
1 (water) 12/19/90	pit - see Fig. 4	13 ft.	93	5.2	0.31	ND	ND	ND
3 (water) 12/19/90	"	8.5 ft.	8.3	18	6.5	0.14	0.63	0.49
5 (soil) 12/19/90	"	14 ft.	1,700	2,900	17	9	36	75
6 (soil) 12/19/90	"	12 ft.	1	3.8	ND	0.022	0.037	0.09
7 (soil) 12/19/90	"	9 ft.	180	300	1.6	0.69	4.4	5.6
8 (soil) 12/19/90	"	9 ft.	2,700	13,000	46	21	110	180
9 (soil) 12/19/90	stockpile #1-Fig. 4	-	24	120	0.48	0.45	1.2	2.1
10 (soil) 12/19/90	stockpile #2-Fig. 4	-	32	35	ND	0.11	0.31	0.96
11 (soil) 12/19/90	stockpile #3-Fig. 4	-	92	110	0.2	0.35	0.93	2.3
1 (soil) 12/26/90	pit - see Fig. 5	17 ft.	NA	190	1.5	1.1	2.9	5.9
2 (soil) 12/26/90	"	20 ft.	NA	2.1	0.029	0.017	0.044	0.10

over excavation site?



From U.S.G.S. 7 1/2° Quadrangle OAKLAND EAST

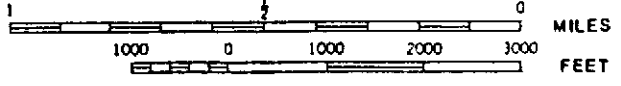
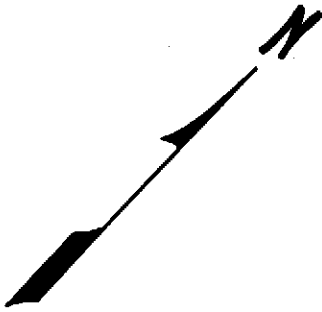


PLATE	1	No.
SITE LOCATION MAP		



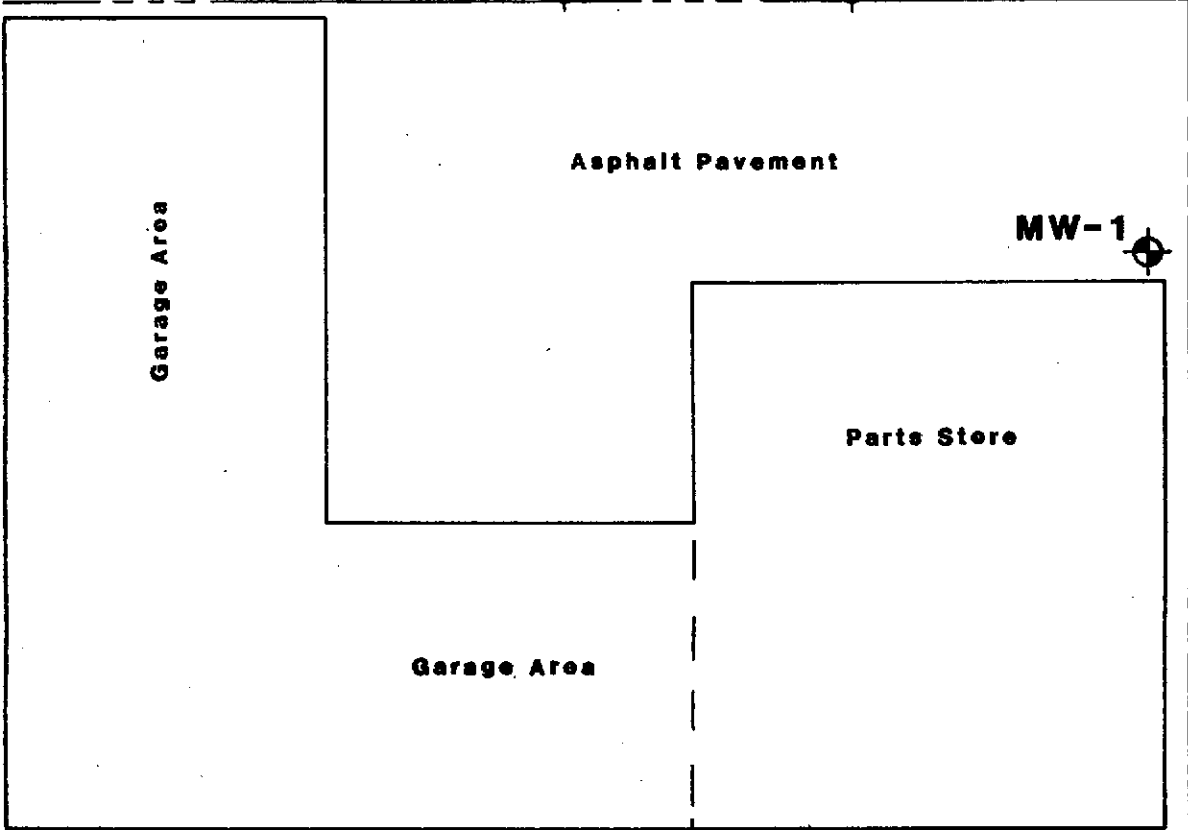
Cul-de-sac

23RD AVENUE

MW-2

MW-3

Approximate



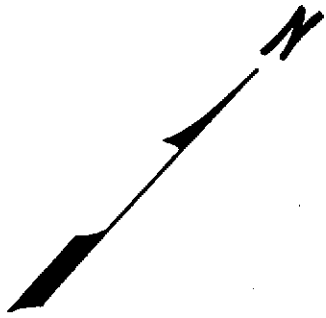
Curb Line

12TH STREET

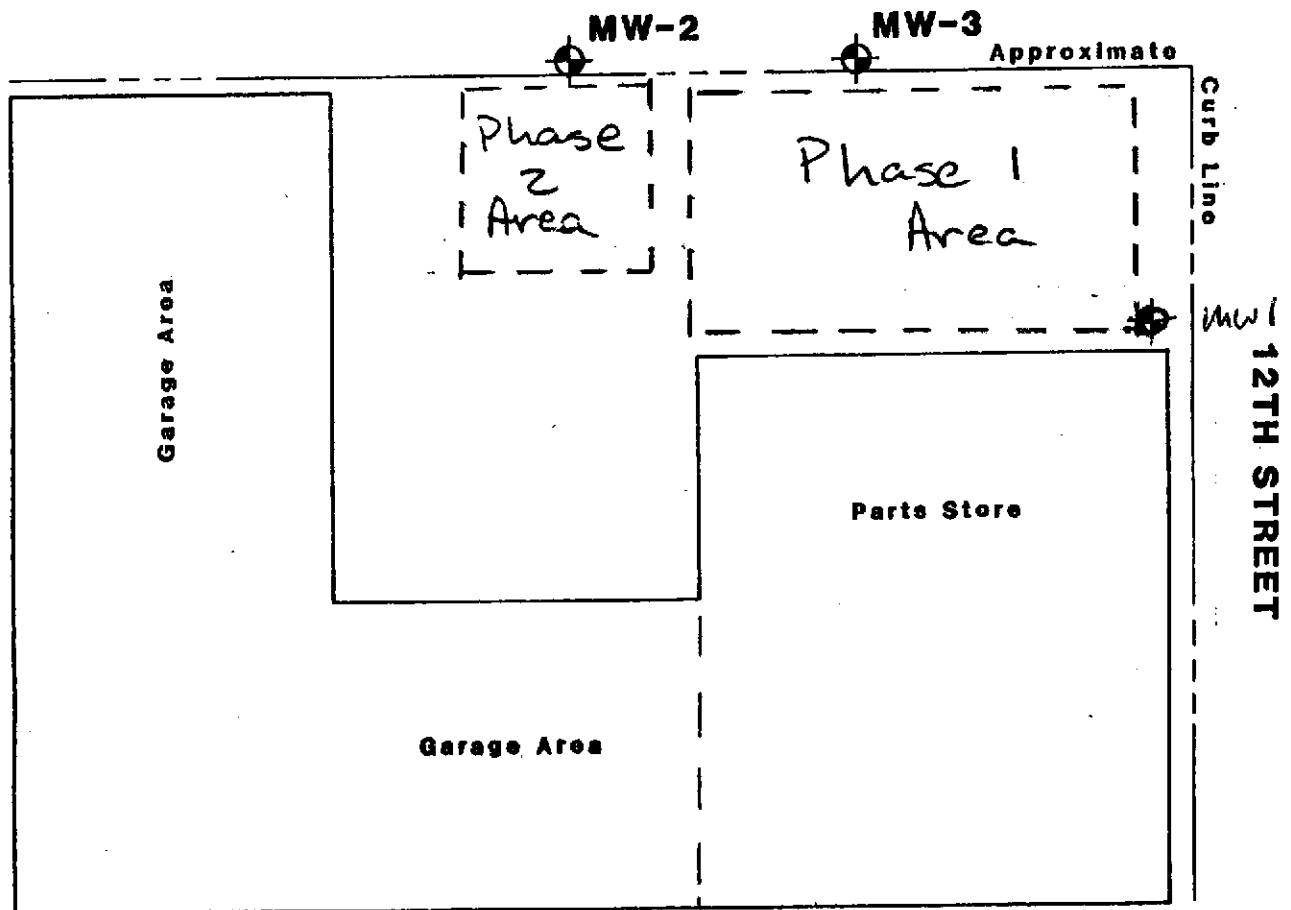
Map derived from
Artesian Environmental Consultants,
MHV Valley, California
July, 1992

Approximate Scale: 1 Inch equals 20 Feet

PLATE 2	No.
SITE MAP	



23RD AVENUE



Map derived from
Artesian Environmental Consultants,
Mill Valley, California
July, 1982

Approximate Scale: 1 inch equals 20 Feet

PLATE 3	No.
Location of Excavation	

4 WATER
7 SOIL

Water	600 gal		1
Water	1000 gal		2
Soil	6000	E	3
"	"	W	4
Soil	1000	E	5
"	"	W	6
"	Pile		7
"	"		8
"	"		9
"	"		10
"	"		11



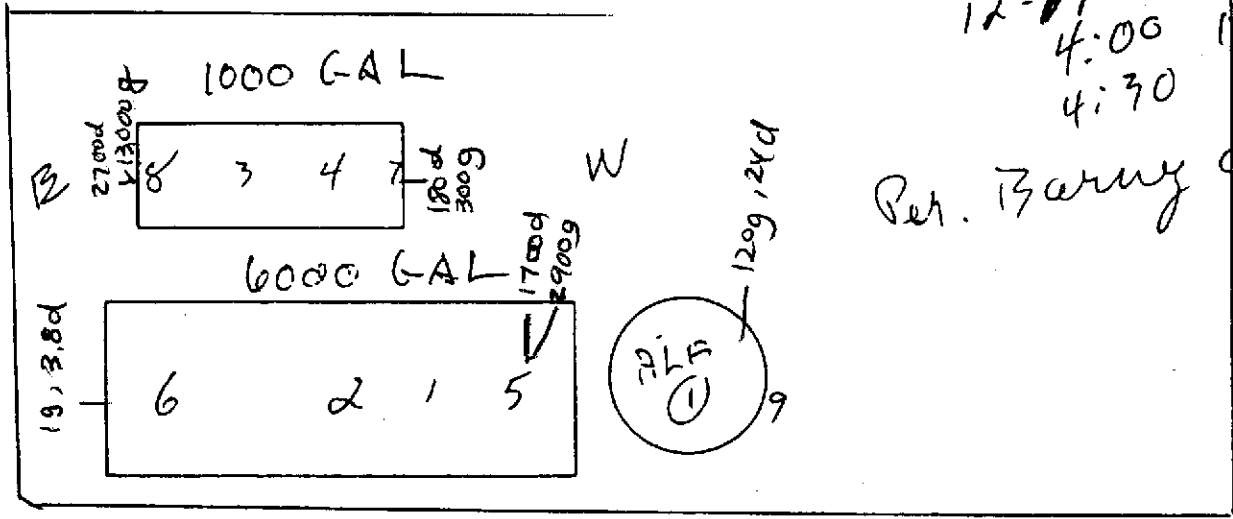
SENNA AUTOMOTIVE

Samples as
Taken

12-~~19~~90
4:00 P.M.
4:30

Per Barry Chan.

SIDEWALK



23 ED.

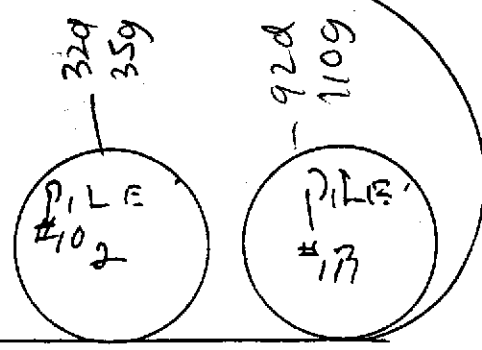
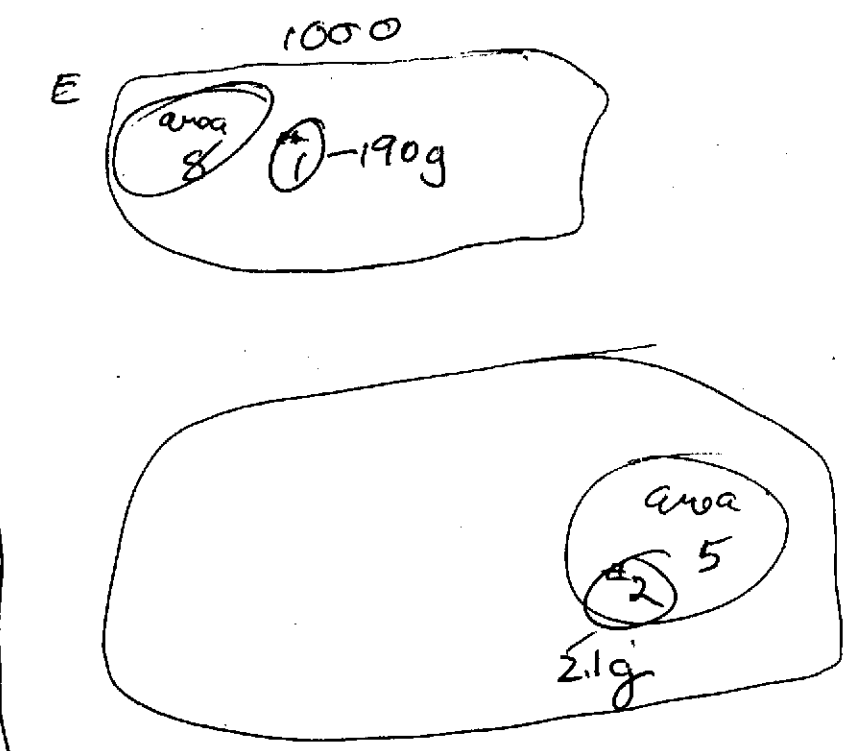


Figure 4

P
12'



Soil Excavated, profiled & ready for haul off to Gibson. estimate 25-40 yards

Figure 5

~~SECRET~~ ~~CONFIDENTIAL~~

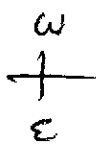
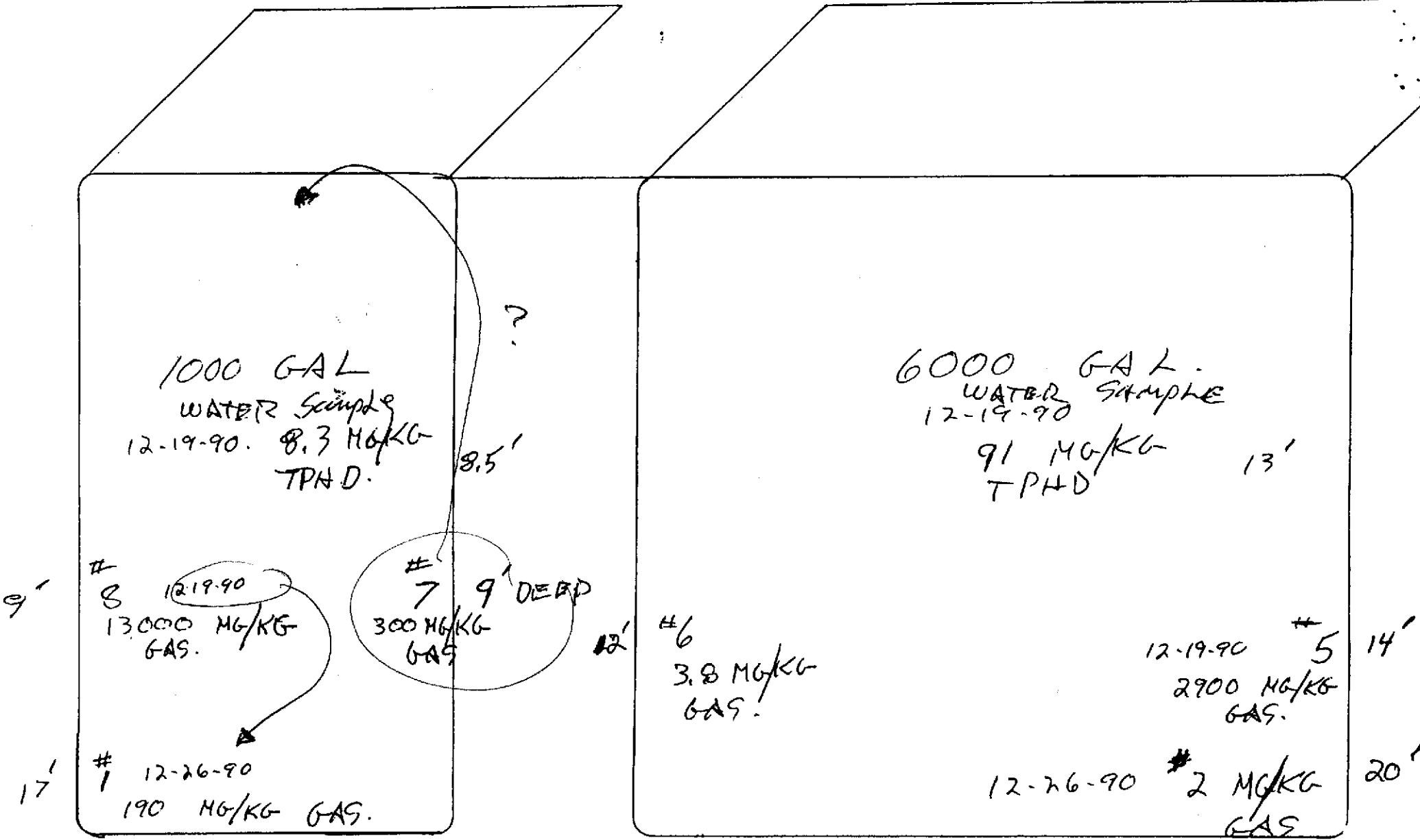


figure is wrong.

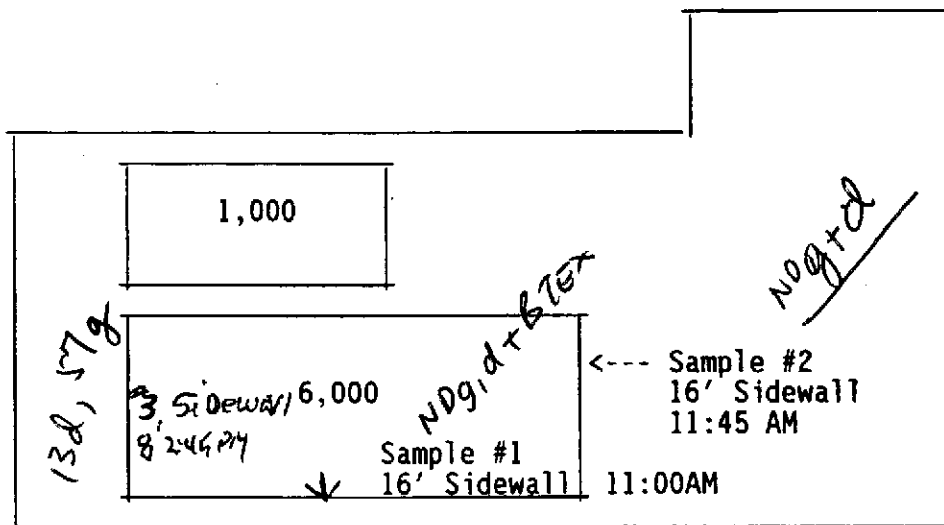
Figure SA

Senna Auto

excavated

*11/16/91 Sidewalk
Spec*

East
12th

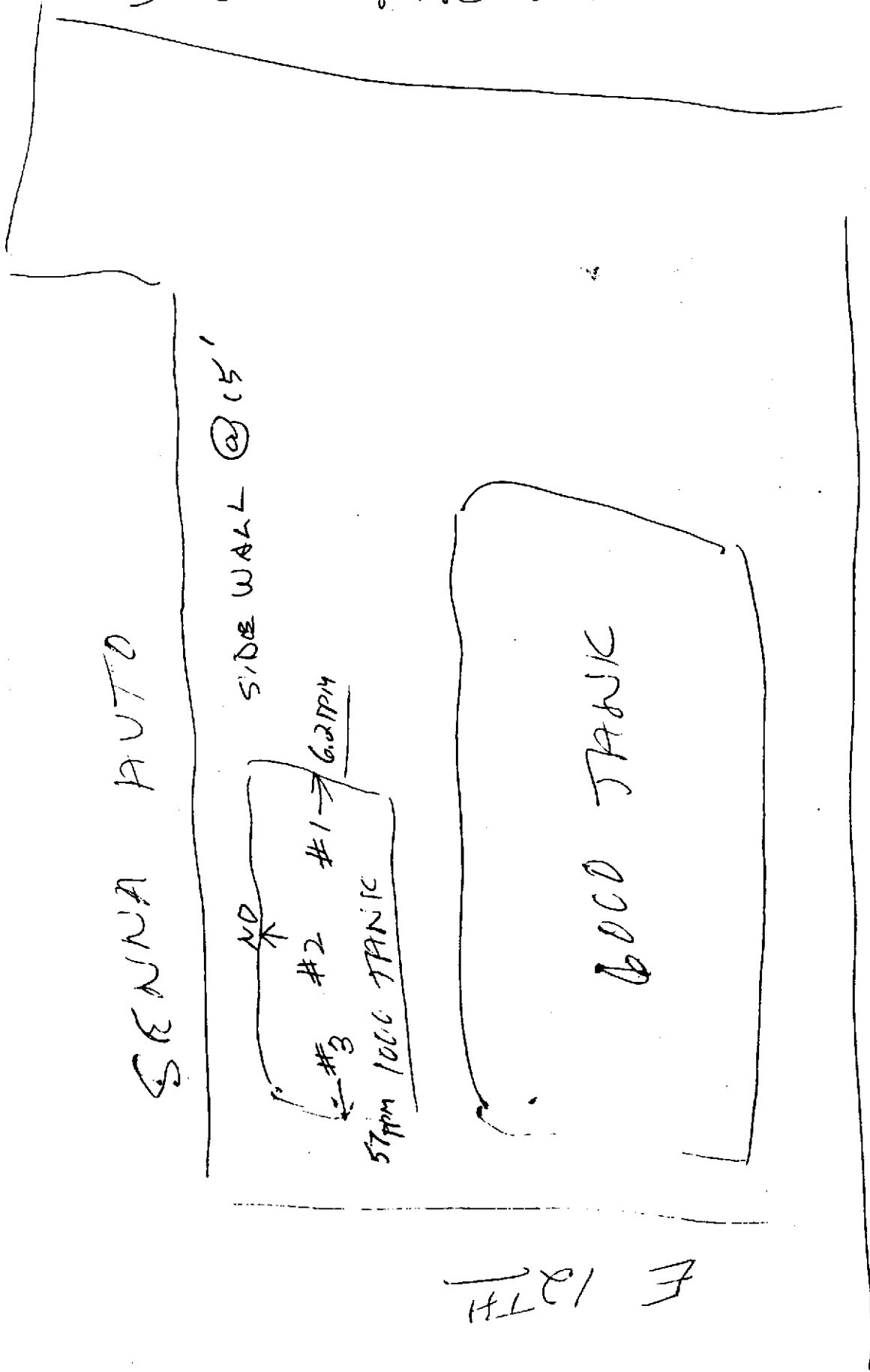


Shop
Area

23rd Ave

Figure 6

SHOP AREA



SENNA AUTO

57000 1000 TANK

SIDE WALL @ 15'

6000 TANK

FLTH

Figure 7

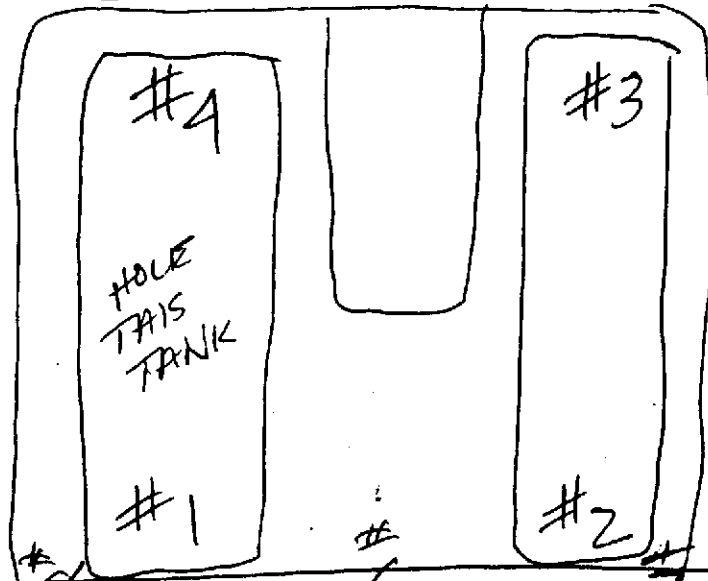
23 RD

#11 12 IF Figure 8

SENA
AUTO
PARTS

SHOP AREA

@ 8' END WALL



#5 SAMPLE
FROM STOCKPILE

admission

APPENDIX A

MISC. ATTACHMENTS FOR PHASE 1 AREA

6996

Information in the shaded areas is not required by Federal law.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **C A C 0 0 0 5 4 6 0 0 0** Manifest Document No. **0 0 0 0 1**

2. Page 1 of 1

3. Generator's Name and Mailing Address
SENNA AUTOMOTIVE
2301 E. 12th Street, Oakland, Ca. 94606

A. State Manifest Document Number
90539080

4. Generator's Phone **(415) 533-5864**

B. State Generator's ID

5. Transporter 1 Company Name
H & H Ship Service Company

6. US EPA ID Number
C A D 0 0 4 7 7 1 1 6 8

C. State Transporter's ID **103581**
 D. Transporter's Phone **(415) 543-4835**

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID
 F. Transporter's Phone

9. Designated Facility Name and Site Address
H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107

10. US EPA ID Number
C A D 0 0 4 7 7 1 1 6 8

G. State Facility's ID
C A D 0 0 4 7 7 1 1 6 8
 H. Facility's Phone
(415) 543-4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
a. HAZARDOUS WASTE LIQUID, N.O.S. ORM-E NA 9189	0 0 1	T I	0 2 0 0 0	G	State 241 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
FUEL, OIL AND WATER

K. Handling Codes for Wastes Listed Above
 a. **01**
 b.
 c.
 d.

15. Special Handling Instructions and Additional Information
JOB #6712
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **PAT CASHMAN** Signature *[Signature]* Month Day Year **12 19 90**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **JOSE J. MORENO** Signature *[Signature]* Month Day Year **12 19 90**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name **PETER YIMBO** Signature *[Signature]* Month Day Year **12 19 90**

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8902; WITHIN CALIFORNIA CALL 1-800-852-1550
 GENERATOR
 TRANSPORTER
 FACILITY

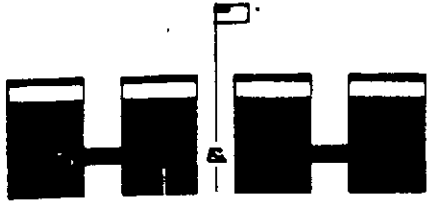
90539080

Do Not Write Below This Line

Please print clearly. Form designed for use on alpha (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A C 0 0 0 5 4 6 0 0 0 0 0 0 0 2		Manifest Document No. 0 0 0 0 2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address SENNA AUTOMOTIVE 2301 E. 12th Street, Oakland, Ca. 94606						A. State Manifest Document Number 0539081			
4. Generator's Phone (415) 533-5864						B. State Department ID			
5. Transporter 1 Company Name H & H Ship Service Company		a. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		C. State Transporter's ID 103500		D. Transporter's Phone (415) 543-8895			
7. Transporter 2 Company Name		b. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		10. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		G. State Facility's ID C A D 0 0 4 7 7 1 1 6 8		H. Facility's Phone (415) 543-8895			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol	
a. RESIDUE DIESEL TANK NON RCRA HAZARDOUS WASTE SOLID				0 0 1 T/P		0 6 0 0 0		P	
b. RESIDUE GASOLINE TANK NON RCRA HAZARDOUS WASTE SOLID				0 0 1 T/P		0 1 0 0 0		P	
c.									
d.									
15. Additional Descriptions for Materials Listed Above PUMPED OUT 5,000 and 1,000 gallon tanks last containing diesel and gasoline. Tanks inerted with dry ice for transport.						K. Handling Codes for Wastes Listed Above 01 01			
16. Special Handling Instructions and Additional Information JOB 86742 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR									
17. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name RAYWAKER FOR SILVERA CO.				Signature <i>J. Dewell</i>		Month Day Year 1 2 1 9 9 0			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name NORMAL L. BERG				Signature <i>Normal L. Berg</i>		Month Day Year 1 2 1 9 9 0			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year			
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name				Signature		Month Day Year			

Do Not Write Below This Line



ENVIRONMENTAL SERVICES
(DIVISION OF H & H SHIP SERVICE CO., INC.)

CERTIFICATE OF DISPOSAL

DECEMBER 24, 1990

H & H Ship Service Company hereby certifies to WALKER'S HYDRAULICS

1. The storage tank(s), size(s) 1-6,000 GALS. AND 1-1,000 GALS.

removed from the SENNA AUTOMOTIVE

2301 EAST 12TH STREET

OAKLAND, CALIFORNIA

were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number 6742

have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA.

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,


Cleveland Valrey
Operations Coordinator

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835



A-3

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	STATE TANK ID # CA 1234567890
--	---	----------------------------------

REPORT DATE 12/24/90 M M D D Y Y	LOCAL CASE #	REGIONAL BOARD CASE #	US EPA ID #
--	--------------	-----------------------	-------------

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT KAY WALKER	PHONE ()	SIGNATURE <i>[Signature]</i>
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME Walker's Hydraulics	
	<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD	ADDRESS 250 Keats Circle Pleasant Hill, Ca 94523	

RESPONSIBLE PARTY	NAME JW Silveira <input type="checkbox"/> UNKNOWN	CONTACT PERSON JW Silveira	PHONE (415) 533-5864
	ADDRESS 499 Embarcadero Street Oakland, Ca 94606		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) Senna Automotive	OPERATOR Nick Perry	PHONE (415) 533-5864
	ADDRESS 2301 E. 12th Street Oakland, Ca 94606		
	CROSS STREET 23rd Avenue	TYPE OF AREA <input checked="" type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> RURAL <input type="checkbox"/> OTHER	TYPE OF BUSINESS <input type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> OTHER AUTO PARTS

IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County	CONTACT PERSON Barney Chan	PHONE (415) 271-4320
	REGIONAL BOARD		
	TSCD		

SUBSTANCES INVOLVED	CAS # (ATTACH EXTRA SHEET IF NEEDED) NAME	QUANTITY LOST (GALLONS)	
	(1)		<input checked="" type="checkbox"/> UNKNOWN
(2)			<input checked="" type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 12/19/90 M M D D Y Y	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> ROUTINE MONITORING <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> OTHER	
	DATE DISCHARGE BEGAN M M D D Y Y	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURES <input type="checkbox"/> OTHER	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE M M D D Y Y		

SOURCE/CAUSE	SOURCE(S) OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER (SPECIFY)	TANKS ONLY/CAPACITY 1000 GAL	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> CORROSION <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
		AGE _____ YRS. <input checked="" type="checkbox"/> UNKNOWN	
		MATERIAL <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> FIBERGLASS <input type="checkbox"/> OTHER	

RESOURCES AFFECTED/AT RISK	RESOURCES AFFECTED	WATER SUPPLIES AFFECTED
	AIR (VAPOR) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	PUBLIC DRINKING WATER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN
	SOIL (VADOSE ZONE) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO THREATENED UNKNOWN	PRIVATE DRINKING WATER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN
GROUNDWATER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	INDUSTRIAL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	
SURFACE WATER OR STORM DRAIN <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	AGRICULTURAL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	
BUILDING OR UTILITY VAULT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	OTHER (SPECIFY) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	
OTHER (SPECIFY) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO THREATENED UNKNOWN	GROUNDWATER BASIN NAME <input checked="" type="checkbox"/> UNKNOWN	

COMMENTS	<p>COMPLETE AND ATTACH A CLEANUP TRACKING REPORT IF ANY CLEANUP WORK OR PLANNING HAS STARTED</p> <p style="text-align: right; font-size: 2em;">A-4</p>
----------	--

Please print or type. Form designed for use on elite (12-pitch typewriter).

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7350
 TRANSPORTER FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A C 0 0 0 5 4 6 0 0 0		Manifest Document No. 0 0 0 0 2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address SENNA AUTOMOTIVE 2301 E. 12th Street, Oakland, Ca. 94606						A. State Manifest Document Number 90539081					
4. Generator's Phone (415) 533-5864						B. State Generator's ID					
5. Transporter 1 Company Name H & H Ship Service Company			6. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8			C. State Transporter's ID 103580		D. Transporter's Phone (415) 543-4835			
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107						10. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		G. State Facility's ID C A D 0 0 4 7 7 1 1 6 8			
						H. Facility's Phone (415) 543-4835					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol		
a. RESIDUE DIESEL TANK NON RCRA HAZARDOUS WASTE SOLID					No. Type 0 0 1 TIP		0 6 0 0 0 0		P		
b. RESIDUE GASOLINE TANK NON RCRA HAZARDOUS WASTE SOLID					0 0 1 TIP		0 1 0 0 0 0		P		
c.									State EPA/Other		
d.									State EPA/Other		
J. Additional Descriptions for Materials Listed Above PUMPED OUT 6,000 and 1,000 gallon tanks last containing diesel and gasoline. Tanks inerted with dry ice for transport.						K. Handling Codes for Wastes Listed Above		a. 01		b. 01	
15. Special Handling Instructions and Additional Information JOB #6742 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR								c.		d.	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name RAY WALKER FOR SILVERA CO.				Signature <i>[Signature]</i>				Month Day Year 1 2 1 9 9 0			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name NORMAL L. BERG				Signature <i>[Signature]</i>				Month Day Year 1 2 1 9 9 0			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space Tank bottom waste/sludge removed from six (6), thousand gallon tank line 11a, drummed and returned to generating site.											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name CLEVELAND VALREY				Signature <i>[Signature]</i>				Month Day Year 1 2 3 1 9 0			

Do Not Write Below This Line

A-5



WALKER'S HYDRAULICS, INC.

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

April 26, 1993

Mr. James E. Brinker
Bernabe and Brinker Inc.
1281 - 30th Street
Oakland, CA 94608

Re: Senna Automotive, 2301 E 12th Street

Dear Mr. Brinker:

In response to your letter of April 6, 1993, please find copies of documents as requested.

1. The two tanks were 1000 gallon. Map and disposal attached.
2. Manifest attached.
3. There were two drums returned and the liquid was taken by Erickson with residuals from the two 1000 gallon tanks.
4. Two layers of 6 mil. Visqueen.
5. See attached.
6. All piping, vents, etc. that were encountered were removed.

After the liquids were pumped out of the two barrels, they were left waiting authorization from J. W. to have hauled. It would have amounted to 2/3 of one barrel. Barrels left on site.

I am sorry for the delay, but I have no secretary and my father-in-law is in the hospital with a heart attack.

Sincerely,


Ray Walker

Enclosures

CC: J. W. Silveira

A-6



WALKER'S HYDRAULICS

250 KEATS CIRCLE
PLEASANT HILL, CA 94523
(415) 935-5518

RECEIVED APR 08 1991

March 28, 1991

J.W. Silveira
499 Embarcadero
Oakland, CA 94606

SUBJECT: Tank removal at Senna Automotive

Dear Mr. Silveira:

The following will serve as our final report for this project. Copies of all reports will be sent to Barney Chan at the Alameda County Health Department and the Bay Area Water Quality Control Board.

Phase I of this project was the removal of a 6000 and a 1000 gallon tank off the east section of the property.

On December 19, 1991⁰, at 4:30 p.m., soil samples were taken from the east and west ends under the tanks and from the stockpiles. The results of these tests are as follows, (reference TAL #9425):

<u>CONSTITUENT</u>	<u>UNIT</u>	<u>TANK</u>	<u>LOC.</u>	<u>CONCENTRATION</u>
TPHD	MG/KG	1000	W	2700
TPHD	MG/KG	1000	E	180
TPHD	MG/KG	6000	W	1
TPHD	MG/KG	6000	E	1700
TPHD	MG/KG	SP#3	W	92
TPHD	MG/KG	SP6000		24
TPHD	MG/KG	SP#2	E	32
*TPHD	MG/KG	1000	WATER	8.3
TPHG	MG/KG	1000	W	13000
TPHG	MG/KG	1000	E	300
TPHG	MG/KG	6000	W	3.8
TPHG	MG/KG	6000	E	2900
TPHG	MG/KG	SP#3	W	110
TPHG	MG/KG	SP6000		120
TPHG	MG/KG	SP#2	E	35
TPHG	MG/KG	1000	WATER	18
TPHG	MG/KG	6000	WATER	5.2
TPHD	MG/KG	6000	WATER	91

Upon receiving the results of the analysis, I contacted Mr. Chan and asked for his approval to excavate the two locations where

(continued)

A-7

J.W. Silveira
March 28, 1991
Page 2

contamination was found. We then excavated the two areas, (1000 W. and 6000 E.), to 17-18 feet, stockpiling the contaminated soil to be hauled off on a manifest by Erickson Company to Gibson in Bakersfield. At that time two more samples were taken, one from the 1000 and one from the 6000 area, (reference TAL #9441). The TPHG for the 1000 area was 190 MG/MK and the TPHG for the 6000 area was 2 MG/MK.

While the holes were open we took samples from the sidewalls to profile the area. The TPHD was not detectable on all 3 sides of the 6000 area. The TPHG on the North and East side was not detectable and at the fill end, (West end), of the hole 4.8 PPM was detected.

Samples from the 1000 area showed TPHG at 57 MG/MK on the East end. The West end showed TPHD at 6.2 MG/MK and the TPHG at 25 MG/MK. No TPHG or TPHD was detectable on the South side.

At this time a barrier was placed in the hole and the hole was filled with stockpiled material from pile #2. The 6000 stockpile and pile #3 was put in the East end of the 6000 area to prevent erosion under the sidewalk and street. Clean fill was used to finish the backfill and the asphalt was replaced.

Phase II was two 1000 gallon waste oil tanks. The cover was removed and on February 11, 1991 the tanks were removed. Samples were taken at noon of the same day, (reference TAL #9598). The TPHD on the #1 tank was 1800 MG/MK, #2 560 MG/MK, #3 1.6 MG/MK, #4 10 MG/MK, and on tank #5 the TPHD was 33 MG/MK. TPHG on tank #1 was 310, #2, 560, #3 45, #4 and #5 was shown at 32 MG/MK.

The areas of 1800 and 310 MG/MK was the fill end, and samples were requested at a level of 8 feet. This is to close the fill point, so we excavated this material, putting it with the contaminated soil to be offhauled. We then resampled at 13' under the outside end of tanks and in between. The levels dropped, (see TAL #9637), to 110, 150 and 140. At this time a barrier was placed in the hole. Clean excavated material was put in the hole and clean fill was added. Area was compacted and cover plate was replaced.

As the owner has no intention of selling the properties, no further action is required at this time. Project is closed.

Sincerely,


Raymond E. Walker

ENCLOSURES

REW/tc

A - 8

APPENDIX B

LABORATORY REPORTS FOR PHASE 1 AREA

17/19/90

Client name: J.W. Silveira
 Job number: A1001 HZ
 Project name: Senna Automotive
 Project manager: Pat Cashman
 Sampler(s):

Analyses required:
 ID# - VIKSAL
 TPH - GEL
 SLES
 Hazardous & Special:
 9425

Sample number	Date sampled	Time sampled	Type Composite or Grab	Sample description	Number of containers
1	12/19	4:00 PM	water	Water 1000 Tank	1
2	"		dup	Water " "	1
3			dup	Water 6000 "	1
4				Water " "	1
5				Soil 6000 East	1
6				" 6000 West	1
7				" 1000 East	1
8				" 1000 West	1
9				Stock Pile 6000 Tank	1
10				Stock Pile West #3	1
11				Stock Pile East #2	1

TPH - VIKSAL	TPH - GEL	SLES	Hazardous & Special	Other
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		
✓	✓	✓		

1 Only 190ml Bottle
 No Test
 1 Only
 No Test
 24 hr -
 1B Ice
 Water -> Brown
 Soil -> Y-6
 R2

Signature	Company	Date	Time
Relinquished by: [Signature]	Walton Hydraulic	4:30	12-19
Received by: [Signature]	TAL	4:30	12/19/90
Relinquished by:			
Received by:			
Relinquished by:			
Received by:			

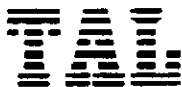
8:15 12/19/90 spoke to Ray
 24hr THT Stock pile east -> #22 1-40ml For Diesel
 Stock pile west -> #23 Soil 1-40ml For TPH/GEL
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
 Hazardous samples will be returned to client or disposed of at client expense.

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960

Facsimile (415) 783-1512



LOG NO.: 9425
 DATE SAMPLED: 12/19/90
 DATE RECEIVED: 12/19/90
 DATE EXTRACTED: 12/19/90
 DATE ANALYZED: 12/20/90
 DATE REPORTED: 12/20/90

CUSTOMER: Walker's Hydraulics
 REQUESTER: Ray Walker
 PROJECT: No. A1001 HZ, Senna Automotive

Method and Constituent	Units	Sample Type: Soil					
		1000 East		1000 West		6000 East	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit

DHS Method:

Total Petroleum Hydrocarbons as Diesel	mg/kg	180	10	2,700	10	1,700	10
--	-------	-----	----	-------	----	-------	----

Method and Constituent	Units	6000 West		Stockpile 6000 Tank		Stockpile #2 East	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit

DHS Method:

Total Petroleum Hydrocarbons as Diesel	mg/kg	1	1	24	1	32	1
--	-------	---	---	----	---	----	---

Method and Constituent	Units	Stockpile #3 West	
		Concentration	Reporting Limit

DHS Method:

Total Petroleum Hydrocarbons as Diesel	mg/kg	92	1
--	-------	----	---

The chromatograms for the samples indicate the presence of compounds eluting earlier than the diesel range.



LOG NO.: 9425
DATE SAMPLED: 12/19/90
DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/19/90
DATE ANALYZED: 12/20/90
DATE REPORTED: 12/20/90
PAGE: Two

Sample Type: Water

<u>Method and Constituent</u>	<u>Units</u>	<u>1000 Tank</u>		<u>6000 Tank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>	<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method: Total Petroleum Hydro- carbons as Diesel	mg/kg	8.3	1	91	1

The chromatograms for the samples indicate the presence of compounds eluting earlier than the diesel range.

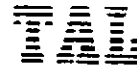
LOG NO.: 9425
 DATE SAMPLED: 12/19/90
 DATE RECEIVED: 12/19/90
 DATE EXTRACTED: 12/19/90
 DATE ANALYZED: 12/20/90
 DATE REPORTED: 12/20/90
 PAGE: Three

Sample Type: Soil

Method and Constituent	Units	1000 East		1000 West		6000 East	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	300	0.5	13,000	8	2,900	4
Modified EPA Method 8020:							
Benzene	mg/kg	1.6	0.07	46	1	17	0.7
Toluene	mg/kg	0.69	0.06	21	1	9	0.7
Xylenes	mg/kg	5.6	0.2	180	4	75	2
Ethylbenzene	mg/kg	4.4	0.08	110	2	36	0.8

Method and Constituent	Units	6000 West		Stockpile 6000 Tank		Stockpile #2 East	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	3.8	0.5	120	0.5	35	0.5
Modified EPA Method 8020:							
Benzene	mg/kg	ND	0.005	0.48	0.07	ND	0.07
Toluene	mg/kg	0.022	0.005	0.45	0.06	0.11	0.06
Xylenes	mg/kg	0.09	0.02	2.1	0.2	0.96	0.2
Ethylbenzene	mg/kg	0.037	0.005	1.2	0.08	0.31	0.08

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9425
DATE SAMPLED: 12/19/90
DATE RECEIVED: 12/19/90
DATE EXTRACTED: 12/19/90
DATE ANALYZED: 12/20/90
DATE REPORTED: 12/20/90
PAGE: Four

Sample Type: Soil

Method and
Constituent

Units

Stockpile #3 West
Concen- Reporting
tration Limit

DHS Method:

Total Petroleum Hydro-
carbons as Gasoline

mg/kg

110

0.5

Modified EPA Method 8020:

Benzene

mg/kg

0.2

0.07

Toluene

mg/kg

0.35

0.06

Xylenes

mg/kg

2.3

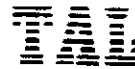
0.2

Ethylbenzene

mg/kg

0.93

0.08



LOG NO.: 9425
DATE SAMPLED: 12/19/90
DATE RECEIVED: 12/19/90
DATE ANALYZED: 12/20/90
DATE REPORTED: 12/20/90
PAGE: Five

Sample Type: Water

Method and
Constituent

Units

1000 Tank		6000 Tank	
Concen- tration	Reporting Limit	Concen- tration	Reporting Limit

DHS Method:

Total Petroleum Hydro-
carbons as Gasoline

mg/kg

18

1

5.2

1

Modified EPA Method 8020:

Benzene

mg/kg

6.5

0.1

0.31

0.1

Toluene

mg/kg

0.14

0.07

ND

0.07

Xylenes

mg/kg

0.49

0.4

ND

0.4

Ethylbenzene

mg/kg

0.63

0.2

ND

0.2

Concentrations reported as ND were not detected at or above the reporting limit.

Louis W. DuPuis
Quality Assurance/Quality Control Manager

12/26/90

Walker's Hydraulics

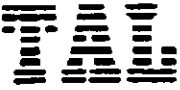
CHAIN OF CUSTODY RECORD

Proj. No.		Project Name		No. of Containers	T.P.H.S. - 271X CALIFORNIA WATERWORKS 8010 9441			
SennA AUTO								
Samplers: (signature) <i>Pat Cashman</i>								
Sample ID	Date	Time	Site Location					
# 1 1000	12/26/90	11:20 AM	SENA AUTO 23RD / E. 12TH CHIK DEEP AREA 8	1	1	1		3 DRY T.A.T.
# 2 6000	12/26/90	11:35 AM	SENA AUTO 23RD / E. 12TH CHIK DEEP AREA 5	1	1	1		3 DRY T.A.T. 1 BT ea. 4-6 RS
Relinquished by: (signature) <i>Pat Cashman</i>			Date/Time 12/26/90 1:55 PM	Received by: (signature)			Date/Time	
Relinquished by: (signature)			Date/Time	Received by: (signature)			Date/Time	
Received for Laboratory by: (signature) <i>Per TAL</i>							Date/Time 12/26/90 1:55 PM	
REMARKS								

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960
Facsimile (415) 783-1512

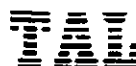


LOG NO.: 9441
 DATE SAMPLED: 12/26/90
 DATE RECEIVED: 12/26/90
 DATE EXTRACTED: 12/26/90
 DATE ANALYZED: 12/26/90 and 12/27/90
 DATE REPORTED: 12/28/90

CUSTOMER: Walker's Hydraulics
 REQUESTER: Ray Walker
 PROJECT: Senna Auto

Sample Type: Soil

Method and Constituent	Units	#1 1000 Tank		#2 6000 Tank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/kg	190,000	600	2,100	500
Modified EPA Method 8020:					
Benzene	ug/kg	1,500	200	29	5
Toluene	ug/kg	1,100	100	17	5
Xylenes	ug/kg	5,900	500	100	20
Ethylbenzene	ug/kg	2,900	200	44	5

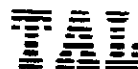


LOG NO.: 9441
DATE SAMPLED: 12/26/90
DATE RECEIVED: 12/26/90
DATE EXTRACTED: 12/26/90
DATE ANALYZED: 12/27/90
DATE REPORTED: 12/28/90
PAGE: Two

Sample Type: Soil

Method and Constituent	Units	#1 1000 Tank		#2 6000 Tank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010:					
Benzyl Chloride	ug/kg	ND	50	ND	50
Bis (2-Chloroethoxy) Methane	ug/kg	ND	50	ND	50
Bis (2-Chloroisopropyl) Ether	ug/kg	ND	50	ND	50
Bromobenzene	ug/kg	ND	50	ND	50
Bromodichloromethane	ug/kg	ND	50	ND	50
Bromoform	ug/kg	ND	50	ND	50
Bromomethane	ug/kg	ND	50	ND	50
Carbon Tetrachloride	ug/kg	ND	50	ND	50
Chloroacetaldehyde	ug/kg	ND	50	ND	50
Chloral	ug/kg	ND	50	ND	50
Chlorobenzene	ug/kg	ND	50	ND	50
Chloroethane	ug/kg	ND	50	ND	50
Chloroform	ug/kg	ND	50	ND	50
1-Chlorohexane	ug/kg	ND	50	ND	50
2-Chloroethyl Vinyl Ether	ug/kg	ND	50	ND	50
Chloromethane	ug/kg	ND	50	ND	50
Chloromethyl Methyl Ether	ug/kg	ND	50	ND	50
Chlorotoluene	ug/kg	ND	50	ND	50
Dibromochloromethane	ug/kg	ND	50	ND	50
Dibromomethane	ug/kg	ND	50	ND	50

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9441
 DATE SAMPLED: 12/26/90
 DATE RECEIVED: 12/26/90
 DATE EXTRACTED: 12/26/90
 DATE ANALYZED: 12/27/90
 DATE REPORTED: 12/28/90
 PAGE: Three

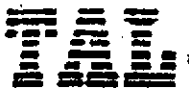
Sample Type: Soil

Method and Constituent	Units	#1 1000 Tank		#6 6000 Tank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):					
1,2-Dichlorobenzene	ug/kg	ND	50	ND	50
1,3-Dichlorobenzene	ug/kg	ND	50	ND	50
1,4-Dichlorobenzene	ug/kg	ND	50	ND	50
Dichlorodifluoromethane	ug/kg	ND	50	ND	50
1,1-Dichloroethane	ug/kg	ND	50	ND	50
1,2-Dichloroethane	ug/kg	ND	50	ND	50
1,1-Dichloroethylene	ug/kg	ND	50	ND	50
Trans-1,2-Dichloro- ethylene	ug/kg	ND	50	ND	50
Dichloromethane	ug/kg	ND	50	ND	50
1,2-Dichloropropane	ug/kg	ND	50	ND	50
1,3-Dichloropropylene	ug/kg	ND	50	ND	50
1,1,2,2-Tetrachloro- ethane	ug/kg	ND	50	ND	50
1,1,1,2-Tetrachloro- ethane	ug/kg	ND	50	ND	50
Tetrachloroethylene	ug/kg	ND	50	ND	50
1,1,1-Trichloroethane	ug/kg	ND	50	ND	50
1,1,2-Trichloroethane	ug/kg	ND	50	ND	50
Trichloroethylene	ug/kg	ND	50	ND	50
Trichlorofluoro- methane	ug/kg	ND	50	ND	50
Trichloropropane	ug/kg	ND	50	ND	50
Vinyl Chloride	ug/kg	ND	50	ND	50

Concentrations reported as ND were not detected at or above the reporting limit.

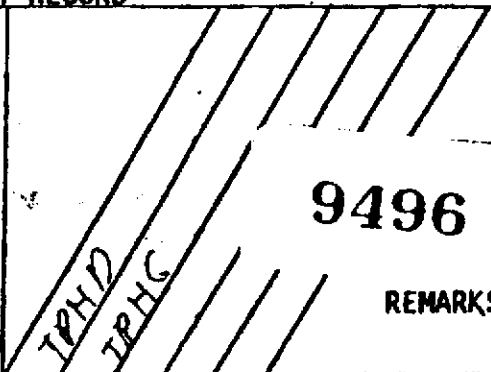
Louis W. DuPuis
 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

1/10/91



~~Felt Walker's Hydraulics~~ Walker's Hydraulics

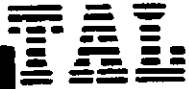
CHAIN OF CUSTODY RECORD

Proj.No.		Project Name		No. of Con- tainers	 9496 REMARKS			
Samplers: (signature) <i>G. Pana</i>								
Sample ID	Date <small>incorrect date</small>	Time	Site Location <small>(2/11/91)</small>					
# 1	1/10/91	11:30	23rd & E 12 OAKLAND	X	X			
# 2	1/10/91	11:45	23rd & E 12 OAKLAND	X	X			
								Makediagram with report
								Res TAT
								1 BT ea
								Y-7, RL
Relinquished by: (signature) <i>G. Pana</i>		Date/Time 1/10/91 12:30		Received by: (signature) <i>Rob Cashman</i>		Date/Time		
Relinquished by: (signature) <i>Craig Hampel For TAL</i>		Date/Time 3/27/91 11:30 AM		Received by: (signature)		Date/Time		
Received for Laboratory by: (signature) For TAL <i>Robert [unclear]</i>							Date/Time 1/10/91 12:30 P	
REMARKS								

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960
Facsimile (415) 783-1512



LOG NO.: 9496
DATE SAMPLED: 1/10/91
DATE RECEIVED: 1/10/91
DATE EXTRACTED: 1/15/91
DATE ANALYZED: 1/22/91
DATE REPORTED: 1/24/91

CUSTOMER: Walker's Hydraulics
REQUESTER: Ray Walker
PROJECT: Senna Auto

Sample Type: Soil

Method and Constituent	Units	1		2	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	ug/kg	ND	1,000	ND	1,000


Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 9496
 DATE SAMPLED: 1/10/91
 DATE RECEIVED: 1/10/91
 DATE EXTRACTED: 1/16/91
 DATE ANALYZED: 1/22/91
 DATE REPORTED: 1/24/91
 PAGE: Two

Sample Type: Soil

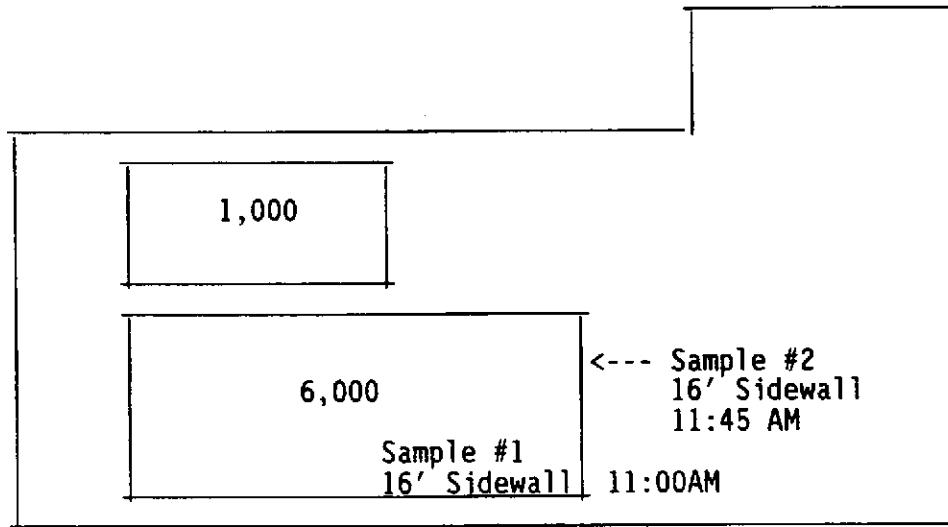
Method and Constituent	Units	1		2	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method: Total Petroleum Hydro- carbons as Gasoline	ug/kg	ND	500	4/800	500

Concentrations reported as ND were not detected at or above the reporting limit.


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

Senna Auto

East
12th



Shop
Area

23rd Ave

Client name <i>Silveira</i>			Job number			Analyses required					
Project name <i>Sarna</i>						<div style="border: 1px solid black; padding: 5px; display: inline-block;"> TRIG TPAD </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Hazardous sampl. Special no. </div> <div style="font-size: 2em; font-weight: bold; margin-left: 20px;">9502</div>					
Project manager <i>H. Walden</i>			Sampler(s) <i>Cashana</i>								
Sample number	Date sampled	Time sampled	Type Composite or Grab	Sample description	Number of containers						
<i>#3</i>	<i>3/11</i>	<i>2:45</i>		<i>Hard clay</i>	<i>1</i>	<i>X</i>	<i>X</i>				
											<i>Normal TAT</i>
											<i>1 BT</i>
											<i>Y-7</i>
											<i>RR</i>

Signature	Company	Date	Time
Relinquished by <i>H. Walden</i>	<i>Walker's</i>	<i>1-11-91</i>	<i>3:06</i>
Received by <i>For TAC Richard Lopez</i>	<i>TAC</i>	<i>1-11-91</i>	<i>3:10</i>
Relinquished by			
Received by			
Relinquished by			
Received by			

1/11/91

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

Trace Analysis Laboratory, Inc.

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Facsimile (415) 783-1512



LOG NO.: 9502
DATE SAMPLED: 1/11/91
DATE RECEIVED: 1/11/91
DATE EXTRACTED: 1/15/91
DATE ANALYZED: 1/22/91
DATE REPORTED: 1/25/91

CUSTOMER: Walker's Hydraulics

REQUESTER: Ray Walker

PROJECT: Senna Automotive

Sample Type: Soil

Method and
Constituent

Units

Concen-
tration

3
Reporting
Limit

DHS Method:

Total Petroleum Hydro-
carbons as Diesel

ug/kg

ND

1,000

Concentrations reported as ND were not detected at or above the reporting limit.


LOG NO.: 9502
 DATE SAMPLED: 1/11/91
 DATE RECEIVED: 1/11/91
 DATE EXTRACTED: 1/16/91
 DATE ANALYZED: 1/18/91
 DATE REPORTED: 1/25/91
 PAGE: Two

Sample Type: Soil

Method and
Constituent

<u>Units</u>	3	
	<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method: Total Petroleum Hydro- carbons as Gasoline	ug/kg	ND
		500

Concentrations reported as ND were not detected at or above the reporting limit.


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

STENNA
AUTO

1000

#3 Sidewalk
8' 2:45 PM

6000

SAMPLE
#1 16'
SIDEWALL
11:00 AM

SAMPLE #2
16' SIDEWALL
11:45 AM

~~E 12TH~~

STOP AREA

23RD AVE

Client name SENA AUTOMOTIVE				Job number		Analyses required															
Project name												<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH6-TPHD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Hazardous sample Special handling required</div> </div> <div style="text-align: right; font-size: 2em; font-weight: bold;">9522</div>									
Project manager PAT CRITMAN				Sampler(s) WALKERS HYDRAULICS																	
Sample number	Date sampled	Time sampled	Type Composite or Grab	Sample description	Number of containers																
#1	1/16-91	3:06PM	G	SIDE WALL @ 15' DEEP	1	1														NORMAL T.A.T	
#2	1/16-91	3:08PM	G	SIDE WALL @ 15' DEEP	1	1														↓	
#3	1/16-91	3:10PM	G	SIDE WALL @ 15' DEEP	1	1														Y-8, 1 BTca	
				- 1000 gal Tank -																	
				<i>[Signature]</i>																	
				Type Site Diagram																	

Signature	Company	Date	Time
Relinquished by <i>[Signature]</i>		1/16/91	3:51
Received by <i>[Signature]</i> FORTAL		1/16/91	3:51
Relinquished by			
Received by			
Relinquished by			
Received by			

1/16/91

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

Trace Analysis Laboratory, Inc.

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Telephone (415) 783-6960

Facsimile (415) 783-1512



LOG NO.: 9522
 DATE SAMPLED: 1/16/91
 DATE RECEIVED: 1/16/91
 DATE EXTRACTED: 1/23/91
 DATE ANALYZED: 1/24/91
 DATE REPORTED: 1/30/91

CUSTOMER: Walker's Hydraulics

REQUESTER: Pat Cashman

PROJECT: Senna Automotive

Sample Type: Soil

Method and Constituent	Units	#1		#2		#3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
DHS Method:							
Total Petroleum Hydro- carbons as Diesel	ug/kg	6,200	1,000	ND	1,000	13,000	1,000

Concentrations reported as ND were not detected at or above the reporting limit.

Samples 1 and 3 contains compounds eluting earlier than diesel.




LOG NO.: 9522
 DATE SAMPLED: 1/16/91
 DATE RECEIVED: 1/16/91
 DATE EXTRACTED: 1/16/91
 DATE ANALYZED: 1/19/91 and 1/22/91
 DATE REPORTED: 1/30/91
 PAGE: Two

Sample Type: Soil

Method and Constituent	Units	#1		#2		#3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	25/000	2,000	ND	500	57/000	10,000
Modified EPA Method 8020:							
Benzene	ug/kg	280	50	5.3	5	920	100
Toluene	ug/kg	100	40	ND	5	380	200
Xylenes	ug/kg	940	100	ND	20	2,400	200
Ethylbenzene	ug/kg	480	50	ND	5	1,200	100

Concentrations reported as ND were not detected at or above the reporting limit.


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

APPENDIX C

MISC. ATTACHMENTS FOR PHASE 2 AREA

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1000054600074028	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address JENNA AUTOMOTIVE 2301 EAST 12TH OAKLAND CA 94606		4. Generator's Phone () 415-533-5864		A. State Manifest Document Number 88122451		
5. Transporter 1 Company Name ERICKSON INC.		6. US EPA ID Number CA10009466392		C. State Transporter's ID 106227		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 415-235-1393		
9. Designated Facility Name and Site Address GIBSON OIL & REFINING CO. INC. COMMERCIAL DR. BAKERS FIELD CA 93308		10. US EPA ID Number CA09808831177		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone (805) 327-0413		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.	
a. RQ HAZARDOUS WASTE LIQUID N.O.S. (BENZENE) ORM-E NA9189 (0018)		00111	986 G		State 223 EPA/Other 0018	
b.					State EPA/Other	
c.					State EPA/Other	
d.					State EPA/Other	
J. Additional Descriptions for Materials Listed Above WATER 90-95 % OIL 1-5 % SILT 0-1 %		K. Handling Codes for Wastes Listed Above				
		a.		b.		
		c.		d.		
15. Special Handling Instructions and Additional Information GLOVES + SAFETY GLASSES PROFILE # 1042-1		24 HR CONTACT 24 HR # 415-487-7732 PAT CASHMAN				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name PAT CASHMAN		Signature Pat Cashman		Month Day Year 02/11/91		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Maurine Shagley		Signature Maurine Shagley		Month Day Year 02/11/91		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name		Signature		Month Day Year		

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA.

C-A

Please print or type. Form designed for use on elite (12-pitch typewriter).

74095

1-800-952-7550

1-800-952-9802

1-800-952-9802

1-800-952-9802

1-800-952-9802

1-800-952-9802

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CACCBA054K2A007410218		Manifest Document No. 74095		2. Page of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Serna Automotive 2301 East 10th Oakland, Ca. 94606				A. State Manifest Document Number 90574244		B. State Generator's ID					
4. Generator's Phone (415) 533-5864		5. Transporter 1 Company Name Erickson, Inc.		6. US EPA ID Number CAAD1009146163912		C. State Transporter's ID 106249		D. Transporter's Phone (415) 235-1393			
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801				10. US EPA ID Number CAD0009466392		G. State Facility's ID CAAD1009146163912		H. Facility's Phone (415) 235-1393			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.			12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.		
			0001 P		2000 P				State 512		
									EPA/Other NONE		
									State		
									EPA/Other		
16. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name <u>Pat Cashman</u> & Phone <u>(415) 467-7732</u>			17. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
18. Discrepancy Indication Space			19. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 10								
Printed/Typed Name <u>Shannon Lowry</u>			Signature <u>Shannon Lowry</u>			Month Day Year 10/21/91					

Do Not Write Below This Line

C-B

No

5615 - 14095

Walker Hydraulics

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No.(s) 5615 Location: Richmond Date: 02-15-91 Time: 1:30 p.m.
Test Method: Visual Gastech/1314 SMPN Last Product: Waste Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 1,000 Gal. Tank	Safe For Fire Oxy 20.0% LEL-LESS THAN 0.1%

Remarks: _____

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

K. Hughes
Representative Title

Jim Cox
Inspector

C-C

No

5614 - 7409S
Walker Hydraulics

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

For: Erickson, Inc. Tank No. (s.) 5614 Location: Richmond Date: 02-22-91 Time: 9:30 a.m.

Test Method: Visual Gastech/1314 SMPN Last Product: Waste Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based

on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- <u>1,000</u> Gal. Tank	Safe For Fire
	Oxy 20.0%
	LEL-LESS THAN 0.1%

Remarks: _____

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the

undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

K. Hughes
Representative Title

Jim Cox
Inspector

C-D

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME WALKER HYDRAULICS EPA I.D. NO. CA1C10101015141610100
 ADDRESS 250 KEATS CIRCLE
 CITY, STATE, ZIP PLEASANT HILL CA 94523 PHONE NO. 415 935-5518
 CONTAINERS: No 2623 VOLUME 18y WEIGHT _____

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER _____

WASTE DESCRIPTION HYDROCARBON CONTAMINATED GENERATING PROCESS SOIL EXCAVATION
 COMPONENTS OF WASTE SOIL PPM _____ % _____ COMPONENTS OF WASTE _____ PPM _____ % _____

1	<u>DIESEL</u>	<u>1-2%</u>	5	_____
2	<u>GAS</u>	<u>1-2%</u>	6	_____
3	<u>SOIL</u>	<u>96-98%</u>	7	_____
4	_____	_____	8	_____

PROPERTIES: pH _____ SOLID LIQUID SLUDGE SLURRY OTHER _____

HANDLING INSTRUCTIONS: PROFILE # 5-03281-2

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

SIGNING FOR WALKERS HYDRAULICS
PAT CASHMAN *[Signature]* 4/3/91
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME DILLARD TRUCKING EPA I.D. NO. CA091916928019
 ADDRESS ROUTE 1 BOX 73 SERVICE ORDER NO. _____
 CITY, STATE, ZIP BYRON - CALIF, 94514 PICK UP DATE 4-3-91
 PHONE NO. 415 634-6857 *[Signature]* 4-3-91
 TRUCK UNIT, I.D. NO. 353 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME GIBSON OIL COMPANY EPA I.D. NO. CA09180880177
 ADDRESS END OF COMMERCIAL DRIVE DISPOSAL METHOD LANDFILL OTHER _____
 CITY, STATE, ZIP BAKERSFIELD CALIF, 93308
 PHONE NO. (805) 327-0413 *[Signature]* 04-3-91
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD	HWDF NONE	

APPENDIX D

LABORATORY REPORTS FOR PHASE 2 AREA

Client name J.W. Silveira				Job number A1001 HZ		Analyzes required						
Project name Senna Automotive						<div style="text-align: center;"> <p>9598</p> <p>24 HR T.A.T</p> <p>↓</p> <p>1-Bleed, ice T-9 R</p> <p>8:15 2/11/91 changed to normal TAT by Pat Cashman GM</p> </div>						
Project manager Pat Cashman				Sampler(s)								
Sample number	Date sampled	Time sampled	Type Composite or Grab	Sample description	Number of containers							
#1	2/11/91	12:00 ^{NOON}	G	1000 TANK NE END	1	X	X	X	X	X		
#2	↓		↓	1000 TANK NW END	1	X	X	X	X	X		
#3	↓		↓	" " SE END	1	X	X	X	X	X		
#4	↓		↓	" " SW END	1	X	X	X	X	X		
#5	↓		↓	STOCK PILE	1	X	X	X	X	X		
Samples @ 8'												

Relinquished by	Signature	Company	Date	Time
Relinquished by	<i>Pat Cashman</i>	WALKERS HYDRAULICS	2/11/91	2:10 PM
Received by	<i>Craig Hagan for</i>	TAL	2/11/91	2:10 PM
Relinquished by				
Received by				
Relinquished by				
Received by				

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

2/11/91

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960

Facsimile (415) 783-1512



LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/11/91
 DATE ANALYZED: 2/12/91 and 2/13/91
 DATE REPORTED: 2/25/91

CUSTOMER: Walker's Hydraulics
 REQUESTER: Pat Cashman
 PROJECT: No. A1001HZ, Senna Automotive

Sample Type: Soil

Method and Constituent	Units	#1		#2		#3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	1,800	5	560	5	1.6	1

Method and Constituent	Units	#4		#5 Stockpile		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	10	1	33	1	ND	1

Concentrations reported as ND were not detected at or above the reporting limit.

QC Summary:

% Recovery: 66.3
 % RPD: 7.5

Samples #1, #2, #4 and #5 indicate compounds eluting earlier than diesel.

LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/11/91
 DATE ANALYZED: 2/12/91, 2/20/91,
 and 2/21/91
 DATE REPORTED: 2/25/91
 PAGE: Two

Sample Type: Soil

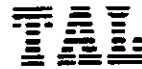
Method and Constituent	Units	#1		#2		#3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	310	10	560	30	4.5	0.5
Modified EPA Method 8020:							
Benzene	mg/kg	ND	0.09	ND	0.2	0.039	0.01
Toluene	mg/kg	0.81	0.09	1.5	0.2	0.21	0.01
Xylenes	mg/kg	4.3	0.3	24	0.6	0.26	0.02
Ethylbenzene	mg/kg	77	0.1	17	0.3	0.11	0.005

Method and Constituent	Units	#4		#5 Stockpile		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	5	2	32	0.8	ND	0.5
Modified EPA Method 8020:							
Benzene	mg/kg	ND	0.1	0.030	0.05	ND	0.005
Toluene	mg/kg	ND	0.1	0.13	0.06	ND	0.005
Xylenes	mg/kg	0.68	0.1	2.0	0.06	ND	0.02
Ethylbenzene	mg/kg	0.27	0.05	0.45	0.02	ND	0.005

Concentrations reported as ND were not detected at or above the reporting limit.

QC Summary:

% Recovery: 102
 % RPD: 0.95

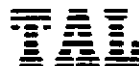


LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/11/91
 DATE ANALYZED: 2/12/91
 DATE REPORTED: 2/25/91
 PAGE: Three

Sample Type: Soil

Method and Constituent	Units	#1		#2		#3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010:							
Benzyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bis (2-Chloroethoxy) Methane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bis (2-Chloroisopropyl) Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromodichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromoform	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Carbon Tetrachloride	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloracetaldehyde	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloral	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chlorobenzene	mg/kg	0.057	0.05	ND	0.05	ND	0.05
Chloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloroform	mg/kg	ND	0.05	ND	0.05	ND	0.05
1-Chlorohexane	mg/kg	ND	0.05	ND	0.05	ND	0.05
2-Chloroethyl Vinyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05

Concentrations reported as ND were not detected at or above the reporting limit.

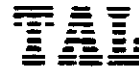


LOG NO.: 9598
DATE SAMPLED: 2/11/91
DATE RECEIVED: 2/11/91
DATE EXTRACTED: 2/11/91
DATE ANALYZED: 2/12/91
DATE REPORTED: 2/25/91
PAGE: Four

Sample Type:

Method and Constituent	Units	#1		#2		#3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):							
Chloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloromethyl Methyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chlorotoluene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dibromochloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dibromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,3-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,4-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dichlorodifluoromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1-Dichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trans-1,2-Dichloro- ethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,3-Dichloropropylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,2,2-Tetrachloro- ethane	mg/kg	ND	0.05	ND	0.05	ND	0.05

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/11/91
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 PAGE: Five

Sample Type: _____

Method and Constituent	Units	#1		#2		#3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):							
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Tetrachloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,1-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,2-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichlorofluoromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Vinyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05

Concentrations reported as ND were not detected at or above the reporting limit.

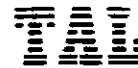


LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/11/91
 DATE ANALYZED: 2/12/91
 DATE REPORTED: 2/25/91
 PAGE: Six

Sample Type: Soil

Method and Constituent	Units	#4		#5 Stockpile		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010:							
Benzyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bis (2-Chloroethoxy) Methane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bis (2-Chloroisopropyl) Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromodichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromoform	mg/kg	ND	0.05	ND	0.05	ND	0.05
Bromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Carbon Tetrachloride	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloracetaldehyde	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloral	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloroform	mg/kg	ND	0.05	ND	0.05	ND	0.05
1-Chlorohexane	mg/kg	ND	0.05	ND	0.05	ND	0.05
2-Chloroethyl Vinyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9598
DATE SAMPLED: 2/11/91
DATE RECEIVED: 2/11/91
DATE EXTRACTED: 2/11/91
DATE ANALYZED: 2/12/91
DATE REPORTED: 2/25/91
PAGE: Seven

Sample Type: Soil

Method and Constituent	Units	#4		#5 Stockpile		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):							
Chloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chloromethyl Methyl Ether	mg/kg	ND	0.05	ND	0.05	ND	0.05
Chlorotoluene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dibromochloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dibromomethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,3-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,4-Dichlorobenzene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dichlorodifluoromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1-Dichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trans-1,2-Dichloro- ethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Dichloromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,2-Dichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,3-Dichloropropylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,2,2-Tetrachloro- ethane	mg/kg	ND	0.05	ND	0.05	ND	0.05

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/11/91
 DATE ANALYZED: 2/12/91
 DATE REPORTED: 2/25/91
 PAGE: Eight

Sample Type: Soil

Method and Constituent	Units	#4		#5 Stockpile		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 8010 (Continued):							
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Tetrachloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,1-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
1,1,2-Trichloroethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichloroethylene	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichlorofluoromethane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Trichloropropane	mg/kg	ND	0.05	ND	0.05	ND	0.05
Vinyl Chloride	mg/kg	ND	0.05	ND	0.05	ND	0.05

Concentrations reported as ND were not detected at or above the reporting limit.

QC Summary:

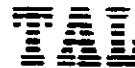
% Recovery: 99
 % RPD: 2.9

LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/14/91
 DATE ANALYZED: 2/14/91
 DATE REPORTED: 2/25/91
 PAGE: Nine

Sample Type: Soil

Method and Constituent:	Units	#1		#2		#3	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 7130:							
Cadmium	mg/kg	ND	0.6	ND	0.6	ND	0.6
EPA Method 7190:							
Chromium	mg/kg	49	1	43	1	49	1
EPA Method 7420:							
Lead	mg/kg	7.8	3	8.2	3	7.2	3
EPA Method 7520:							
Nickel	mg/kg	120	3	99	3	130	3
EPA Method 7950:							
Zinc	mg/kg	64	0.5	65	0.5	73	0.5

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NO.: 9598
DATE SAMPLED: 2/11/91
DATE RECEIVED: 2/11/91
DATE EXTRACTED: 2/14/91
DATE ANALYZED: 2/14/91
DATE REPORTED: 2/25/91
PAGE: Ten

Sample Type: Soil

Method and Constituent:	Units	#4		#5 Stockpile		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
EPA Method 7130: Cadmium	mg/kg	ND	0.6	0.75	0.6	ND	0.6
EPA Method 7190: Chromium	mg/kg	42	1	42	1	ND	1
EPA Method 7420: Lead	mg/kg	6	3	37	3	ND	3
EPA Method 7520: Nickel	mg/kg	89	3	80	3	ND	3
EPA Method 7950: Zinc	mg/kg	50	0.5	110	0.5	ND	0.5

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NO.: 9598
 DATE SAMPLED: 2/11/91
 DATE RECEIVED: 2/11/91
 DATE EXTRACTED: 2/14/91
 DATE ANALYZED: 2/14/91
 DATE REPORTED: 2/25/91
 PAGE: Eleven

Sample Type: Soil

Method and
 Constituent:

QC Summary
 % %
Recovery RPD

EPA Method 7130:
 Cadmium
 EPA Method 7190:
 Chromium
 EPA Method 7420:
 Lead
 EPA Method 7520:
 Nickel
 EPA Method 7950:
 Zinc

84.8	1.8
48.5	2.1
74.9	5.6
87.2	9.8
94.0	0.43


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

SENNA
AUTO
PARTS

SHOP AREA

E 127H

@ 8' END WALL

#4
1516
2

HOLE
THIS
TANK
300g
1900d

#1

#3
168
4.5g
85g

500
500
#2

#5 SAMPLE
FROM STOCKPILE

SIDEWALK

Client name SILVEIRA Co.			Job number		Analyses required													
Project name SIENNA AUTO					<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 2px;">TPHG-TPHD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border: 1px solid black; padding: 2px;">Hazardous sample Special handling</div> <div style="font-size: 2em; font-weight: bold;">9637</div> </div>													
Project manager PAT CASHMAN			Sampler(s)															
Sample number	Date sampled	Time sampled	Type Composite or Grab	Sample description	Number of containers													
#6	2/27/91	10:15	G	@ 13' DEEP	1	X												
#7	2/27/91	10:30	G	BELOW END OF TANK 13'	1	X												
#8	2/27/91	10:45	G	" " " " 13'	1	X												

NORMAL T.A.T.

↓

1 BT ea ice
Y-1
RL

Signature	Company	Date	Time
Pat Cashman	Walkers Hydraulics	2/27/91	11:30 am
Craig Hayes for TAL		2/27/91	11:30 am
Relinquished by			
Received by			
Relinquished by			
Received by			
Relinquished by			
Received by			

RECEIVED MAR 22 1991

Note: Samples are discarded 30 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

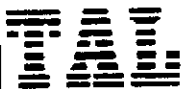
2/27/91

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960

Facsimile (415) 783-1512



March 7, 1991

Pat Cashman
Walker's Hydraulics
250 Keats Circle
Pleasant Hill, 94523

Dear Mr. Cashman:

Trace Analysis Laboratory received three soil samples on February, 27, 1991, for your Project Senna Auto (our custody Log Number 9637).

These samples were analyzed for the tests as indicated on your chain of custody. Our analytical report and a copy of the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'Gerald H. Nieder-Westermann', written over a horizontal line.

Gerald H. Nieder-Westermann
Project Specialist

GNW:gnw

Enclosures

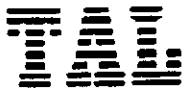
RECEIVED MAR 22 1991

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (415) 783-6960

Facsimile (415) 783-1512



LOG NO.: 9637
DATE SAMPLED: 2/27/91
DATE RECEIVED: 2/27/91
DATE EXTRACTED: 3/04/91
DATE ANALYZED: 3/06/91
DATE REPORTED: 3/07/91

CUSTOMER: Walker's Hydraulics

REQUESTER: Pat Cashman

PROJECT: Senna Auto

Sample Type: Soil

Method and Constituent	Units	#6		#7		#8	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	21	1	51	2	110	2

Method and Constituent	Units	Method Blank	
		Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	ND	1

QC Summary:

% Recovery: 92
% RPD: 2.2

Concentrations reported as ND were not detected at or above the reporting limit.

Samples 6, 7 and 8 indicate compounds eluting earlier than diesel.

RECEIVED MAR 22 1991

LOG NO.: 9637
 DATE SAMPLED: 2/27/91
 DATE RECEIVED: 2/27/91
 DATE EXTRACTED: 2/27/91
 DATE ANALYZED: 2/28/91
 DATE REPORTED: 3/07/91
 PAGE: Two

Sample Type: Soil


Method and Constituent	Units	#6		#7		#8	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Gasoline	mg/kg	3.6	0.5	150	2	140	20

Method and Constituent	Units	Method Blank	
		Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Gasoline	mg/kg	ND	0.5

QC Summary:

% Recovery: 106
 % RPD: 1.9

Concentrations reported as ND were not detected at or above the reporting limit.


 Louis W. DuPuis
 Quality Assurance/Quality Control Manager

RECEIVED MAR 22 1991