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**SAMPLING AND ANALYSIS OF CONTENTS
WASTE OIL TANKS
ON ALICE STREET BASEMENT
1432 HARRISON STREET
OAKLAND, CALIFORNIA**

Sept 13, 1991

Prepared for:

Mr. Mark Borsuk
1626 Vallejo Street
San Francisco, California 94123-5116

Prepared by:

SCS Engineers
6761 Sierra Court, Suite D
Dublin, California 94568

September 13, 1991

File No. 0390044.02

September 13, 1991
File No. 0390044.02

Mr. Mark Borsuk
1626 Vallejo Street
San Francisco, California 94123-5116

Subject: Sampling and Analysis of Contents
of Waste Oil Tanks on Alice Street Basement
1432 Harrison Street
Oakland, California


Dear Mr. Borsuk:


SCS Engineers (SCS) is reporting the results of the sampling and chemical analysis of the contents of waste oil tanks located at 1432 Harrison Street, Oakland, California taken on August 14, 1991. The subject tanks are located in the Alice Street basement part of the garage. The sampling and investigation was instigated upon discovering the tanks were full during a routine inspection of the tanks on August 5, 1991. Both the waste oil tanks had been evacuated to approximate dryness on October 27, 1990. In light of these facts, the discovery of liquid in the tanks aroused suspicions that there might have been illegal accessing of the tanks. To determine the chemical constituents of the liquid, SCS personnel collected representative sample from each tank and analyzed for chemical constituents.


Mr. Mark Borsuk
September 13, 1991
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Attached is a report outlining the sampling methods, chemical analysis and findings.
If you have any questions, please contact Nels R. Johnson or John P. Cummings at
(510) 829-0661.

Sincerely,


Nels R. Johnson, P.E.
Senior Project Engineer
SCS Engineers


John P. Cummings, Ph.D., R.E.A., R.E.P.
Office Director
SCS Engineers


Prabhu N. Ravandur
Staff Engineer
SCS Engineers

NRJ/JPC/PNR:egh
Attachment

cc: John Leo, Esq.
Randall Morrison, Esq.
Paul Smith
Mark Thompson, Esq.
Alvin Bacharach
Barbara Borsuk

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INTRODUCTION

The purpose of this report is to present the results of chemical analysis of liquid samples collected from the waste oil tanks in Alice Street basement. The property is located at 1432 Harrison Street, Oakland, California. The objective of this investigation by SCS was to determine the chemical constituents of the samples.

FIELD METHODS

The liquid samples from the tanks were collected using clean disposable plastic bailers and transferred to one liter jars and 40 ml VOA vials for various analysis. Mr. Paul Smith of Alameda County Health Services was present during the sampling. The tank and sample locations are presented in Figure 1. The liquid sample from the east side tank was labeled WO-1, and that from the west tank was labeled WO-2. After sampling, the jars and the VOA vials were sealed and placed in coolers with ice for shipment to the laboratory.

CHEMICAL METHODS

The liquid samples from both the tanks were analyzed for the following constituents, as outlined in SCS work plan dated August 19, 1991.

- Total petroleum hydrocarbons as gasoline (EPA 8015 G)
- Total petroleum hydrocarbons as diesel (EPA 8015 D)
- Total oil and grease (EPA 413.1)
- Volatile hydrocarbons (EPA 8240)
- Polychlorinated biphenyls (EPA 8080)
- Priority Metals (Pb, Ni, Zn, Cr, Cd)

The results of the analysis are presented in Table 1. The Chain-of-Custody and laboratory reports are enclosed in appendix.

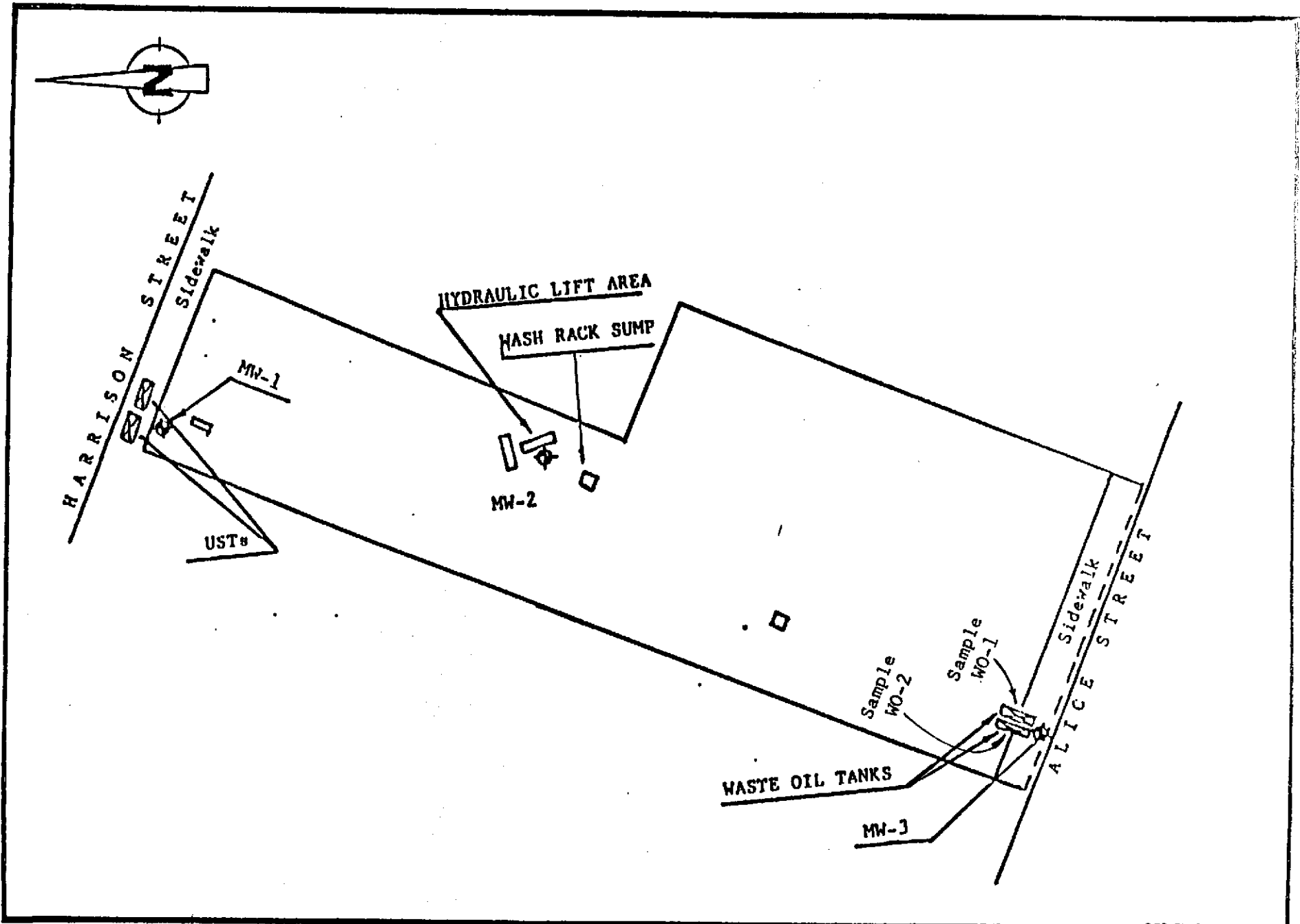


FIGURE 1: Schematic of Site Showing Location of Waste Oil Tanks and Sampling points

TABLE 1

SAMPLE I.D.

Analysis	WO-1	WO-2	D.L.
		(ppm)	
Total oil and grease EPA 413.2	1380	1790	0.5
EPA 8015 Diesel	1100	800	0.5
EPA 8015 Gasoline	10	ND	10
PCB, EPA 8080	ND	ND	0.02
Priority Metals			
Cd	ND	ND	0.05
Cr	ND	ND	0.05
Pb	0.7	3.0	0.5
Ni	ND	ND	0.5
Zn	1.5	1.1	0.1
* Volatile Hydrocarbons			
Benzene	2.4	4.2	0.001
2-Butanone	0.19	0.068	0.05
1,2-Dichloroethane	0.2	0.33	0.01
Ethylbenzene	0.074	0.130	0.01
4-Methyl-2-pentanone	0.470	0.140	0.03
Tetrachloroethene	0.04	0.025	0.01
Toluene	2.4	3.9	0.01
Trichloroethene	0.19	0.160	0.01
Total xylene	1.06	1.73	0.01

ND = Not Detected

D.L. = Detection Limit

ppm = parts per million

PCB = Polychlorinated biphenyls

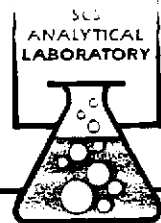
* = Compounds listed are only those that are detected

SUMMARY AND CONCLUSIONS

During sampling, the visual observations of sample appears to indicate that most of the liquid present inside the tank was water. The laboratory analysis of the liquid indicated presence of oil and grease, diesel, and volatile hydrocarbons. However, the level of concentration does not appear to pose an immediate threat public health.

Based on these results, SCS recommends that prior to removal of the tanks the liquid be pumped out and disposed of properly.

Lab 3-1391



2660 WALNUT AVENUE
LONG BEACH, CALIFORNIA 90804
(213) 595-1024
FAX (213) 595-6709

MEMO

TO: John Cummings

FROM: Lam V. Ho

August 29, 1991

JOB NO.: 0390044.02

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LABORATORY REPORT

Samples: Twenty (20) liquid samples from Harrison Street Garage, received 08/16/91 and analyzed 08/16/91, 08/20/91, 08/21/91 and 08/27/91. Twelve (12) samples to be analyzed, the remainder to be archived.


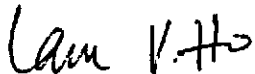
Sample ID	Oil & Grease (EPA 413.2)	EPA 8015D
	mg/L	
WO-1	1380	1100
WO-2	1790	800
Detection Limit	0.5	0.5

Sample ID	EPA 8015G
	mg/kg
WO-1	10
WO-2	ND
Detection Limit	10

Sample ID	Cadmium (200.7)	Chromium (200.7)	Lead (200.7)	Nickel (200.7)	Zinc (200.7)
	mg/L				
WO-1	ND	ND	0.7	ND	1.5
WO-2	ND	ND	3.0	ND	1.1
Detection Limit	0.05	0.05	0.5	0.5	0.1

ND = Not Detected (D) = Diesel (G) = Gasoline

EPA 8080 and EPA 8240 - See attached sheets

 David R. Mikesell Chemist	 Lam V. Ho PhD, REP Laboratory Director
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Addendum Report, EPA 8080
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Sample I.D.: WO-1
Date Received: 08/16/91
Date Analyzed: 08/21/91
Matrix: liquid
Project #: 0390044.02
File #: harris8.rep

Compound	Result ----mg/kg (ppm)----	D.L.
p,p'-DDE	ND	0.02
Endosulfan I	ND	0.04
Aldrin	ND	0.02
Endosulfan II	ND	0.04
p,p'-DDT	ND	0.08
Endrin Aldehyde	ND	0.02
Heptachlor Epoxide	ND	0.02
Endrin	ND	0.02
Dieldrin	ND	0.02
p,p'-DDD	ND	0.02
Beta-BHC	ND	0.02
Delta-BHC	ND	0.02
Endosulfan Sulfate	ND	0.04
Heptachlor	ND	0.02
Alpha-BHC	ND	0.02
Lindane	ND	0.02
Toxaphene	ND	4
Chlordane	ND	4
Methoxychlor	ND	2
PCB 1016	ND	2
PCB 1221	ND	2
PCB 1232	ND	2
PCB 1242	ND	2
PCB 1248	ND	2
PCB 1254	ND	2
PCB 1260	ND	2

DL = Detection Limit
ND = Not Detected

Addendum Report, EPA 8080
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Sample I.D.: WO-2
Date Received: 08/16/91
Date Analyzed: 08/21/91
Matrix: liquid
Project #: 0390044.02
File #: harris8.rep

Compound	Result	D.L.
	----mg/kg (ppm)----	----
p,p'-DDE	ND	0.02
Endosulfan I	ND	0.04
Aldrin	ND	0.02
Endosulfan II	ND	0.04
p,p'-DDT	ND	0.08
Endrin Aldehyde	ND	0.02
Heptachlor Epoxide	ND	0.02
Endrin	ND	0.02
Dieldrin	ND	0.02
p,p'-DDD	ND	0.02
Beta-BHC	ND	0.02
Delta-BHC	ND	0.02
Endosulfan Sulfate	ND	0.04
Heptachlor	ND	0.02
Alpha-BHC	ND	0.02
Lindane	ND	0.02
Toxaphene	ND	4
Chlordane	ND	4
Methoxychlor	ND	2
PCB 1016	ND	2
PCB 1221	ND	2
PCB 1232	ND	2
PCB 1242	ND	2
PCB 1248	ND	2
PCB 1254	ND	2
PCB 1260	ND	2

DL = Detection Limit
ND = Not Detected

Addendum Report, EPA 8240
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Sample I.D.: WO-1
Date Received: 08/16/91
Date Analyzed: 08/20/91
Matrix: liquid
Project #: 0390044.02
File #: harris8.rep

CAS #	Compound	Result	D.L.
		----µg/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	2400	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	190	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichloro-2-butene	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	200	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	74	10
97-63-2	Ethyl Methacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	470	30

D.L. = Detection Limit
ND = Not Detected

Addendum Report, EPA 8240 (Cont.)

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Sample I.D.: WO-1
Date Received: 08/16/91
Date Analyzed: 08/20/91
Matrix: liquid
Project #: 0390044.02
File #: harris8.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb) ----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	40	10
108-88-3	Toluene	2400	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	190	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	720	10
95-47-6	o-Xylene	340	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit

ND = Not Detected

Addendum Report, EPA 8240
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Sample I.D.: WO-2
Date Received: 08/16/91
Date Analyzed: 08/20/91
Matrix: liquid
Project #: 0390044.02
File #: harris8.rep

CAS #	Compound	Result	D.L.
		----µg/kg (ppb)----	
67-64-1	Acetone	ND	50
107-02-8	Acrolein	ND	50
107-13-1	Acrylonitrile	ND	50
71-43-2	Benzene	4200	10
75-27-4	Bromodichloromethane	ND	10
75-25-2	Bromoform	ND	10
74-83-9	Bromomethane	ND	30
78-93-3	2-Butanone	68	50
75-15-0	Carbon Disulfide	ND	10
56-23-5	Carbon Tetrachloride	ND	10
108-90-7	Chlorobenzene	ND	10
124-48-1	Chlorodibromomethane	ND	10
75-00-3	Chloroethane	ND	30
110-75-8	2-Chloroethyl Vinyl Ether	ND	50
67-66-3	Chloroform	ND	10
74-87-3	Chloromethane	ND	30
74-95-3	Dibromomethane	ND	10
110-56-5	1,4-Dichloro-2-butene	ND	10
75-71-8	Dichlorodifluoromethane	ND	10
75-34-3	1,1-Dichloroethane	ND	10
107-06-2	1,2-Dichloroethane	330	10
75-35-4	1,1-Dichloroethene	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
64-17-5	Ethanol	ND	10
100-41-4	Ethylbenzene	130	10
97-63-2	Ethyl Methacrylate	ND	10
591-78-6	2-Hexanone	ND	30
74-88-4	Iodomethane	ND	10
75-09-2	Methylene Chloride	ND	50
108-10-1	4-Methyl-2-Pentanone	140	30

D.L. = Detection Limit
ND = Not Detected

Addendum Report, EPA 8240 (Cont.)
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Sample I.D.: WO-2
Date Received: 08/16/91
Date Analyzed: 08/20/91
Matrix: liquid
Project #: 0390044.02
File #: harris8.rep

CAS #	Compound	Result	D.L.
		----ug/kg (ppb)----	
100-42-5	Styrene	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	25	10
108-88-3	Toluene	3900	10
71-55-6	1,1,1-Trichloroethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
79-01-6	Trichloroethene	160	10
75-69-4	Trichlorofluoromethane	ND	10
96-18-4	1,2,3-Trichloropropane	ND	10
108-05-4	Vinyl Acetate	ND	30
75-01-4	Vinyl Chloride	ND	30
1330-20-7	m- and p-Xylenes	1200	10
95-47-6	o-Xylene	530	10
541-73-1	1,3-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10

D.L. = Detection Limit
ND = Not Detected

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EPA 8240

<u>Surrogate Spikes</u>			
Lab ID	DCAd ₄	Told ₈	BFB
	-----% Recovery-----		
7056-3	89	98	83
7056-10	95	100	92
Control Limits	67/117	72/135	59/115
# Outside Limits	0	0	0
% Completion	100	100	100

<u>Matrix Spikes</u>						
Lab ID	DCE	TCE	Bz	Tol	ClBz	
	-----% Recovery-----					
7053-0 Spk.	109	112	115	113	107	
7053-0 Spk. Dup.	100	104	109	113	100	
% RSD	8.6	7.4	3.7	0	6.8	
Control Limits	34/215	74/144	58/153	31/139	60/139	
# Outside Limits	0	0	0	0	0	
% Completeness	100	100	100	100	100	

EPA 8015

<u>Surrogate Spikes</u>		aaa-TFToluene
Lab ID	-----% Recovery----	
7056-1	68	
7056-8	87	
Control limits	49/137	
# Outside limits	0	
% Completeness	100	

<u>Matrix Spikes</u>		
Lab ID	Benzene	Toluene
	-----% Recovery-----	
6996-2 Spk.	85	78
6996-2 Spk. Dup.	80	73
% RSD	6.1	6.6
Control Limits	39/150	46/148
# Outside Limits	0	0
% Completeness	100	100

harris4.qa

Quality Assurance Addendum Report
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EPA 8015 DieselMatrix Spikes

	Diesel
	---% Recovery---
Lab ID	
Blank Spk.	93
Blank Spk. Dup.	103
% RSD	10
Control limits	78/188
# Outside limits	0
% Completeness	100

Metals

<u>Matrix Spikes</u>	Cd	Cr	Pb	Ni	Zn
Lab ID	-----% Recovery-----				
7056-7 Spk.	106	104	105	83	108
7056-7 Spk. Dup.	108	103	102	83	104
%RSD	1.9	1.0	2.9	0	3.8
Control limits	50/128	35/126	32/160	40/140	16/162
# Outside limits	0	0	0	0	0
% Completeness	100	100	100	100	100

Notes:

Note that Matrix Spikes are not project specific. Therefore, spike information shown on this report may not be from the same project; however, they were analyzed in the same analytical batch.

Definitions:

Spike: A sample from the analytical batch which has been spiked with the parameter(s) of interest at a known concentration.

Spike Duplicate: A duplicate of the spiked sample.

Mean: The average spike recoveries, from both spikes and spike duplicates (or average sample results, for samples run in duplicate rather than spiked).

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% RSD: Relative Standard Deviation between a Spike and a Spike Duplicate (or a sample and sample duplicate).
 $\%RSD = [(Spike - Spk. Dup.) / Mean] * 100$

Control limits are calculated by SCS Analytical Laboratory for internal use from existing spike data. Control limits are found by calculating three standard deviations above and below the mean of the population.

harris4.qa

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS



COMPANY NAME: <u>SCS Engineering</u>	CARRIER: <u>Fed Ex</u>	TURNAROUND TIME REQUIRED: <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 5-DAY <input type="checkbox"/> 3-DAY <input type="checkbox"/> 24-HOUR <input type="checkbox"/> IMMEDIATE ATTENTION
ADDRESS: <u>6711 D Sierra Ct, Dublin CA</u>	SHIPMENT DATE: <u>8.15.1991</u>	
PHONE NUMBER: <u>(619) 599-0661</u>	SHIPPING NUMBER:	
P.O. NUMBER:	NUMBER OF SAMPLES: PAGE OF	

PROJECT NAME: <u>Harrison Street Garage</u>	ANALYSES REQUIRED (Vertical text: <u>Mobil (Pb, Ni, Zn, Cu)</u> , <u>SCS Meth. (Se)</u> , <u>8240 (Pb, Ni, Zn, Cu)</u>)	LAB ONLY SAMPLE CONDITION UPON RECEIPT <u>Good</u>
PROJECT ADDRESS: <u>1052 Harrison St, Oakland CA</u>		
PROJECT NUMBER: <u>0590064.02</u>		
SAMPLER NAME AND SIGNATURE: <u>Babbar Ravandee R. Stanton</u>		
REPORTS TO BE SENT TO: <u>John P. Cummings</u>		

SAMPLE I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	SAMPLE PRESERVATIVE(S)	CONTAINER SIZE / TYPE	DATE / TIME COLLECTED	FIELD TEMP.	FIELD pH	FIELD EC	SPECIAL PROGRAM REQUIREMENTS OR EPA - SOP & QAM REF	ANALYSES REQUIRED	SAMPLE CONDITION UPON RECEIPT
WC-1	<u>Lequid</u>		<u>Nitric Acid</u>	<u>200 ml jar</u>	<u>8.14.1991</u>					X	Good (Vertical arrow pointing down)
WC-1	<u>-1-</u>		<u>cold</u>	<u>2-4oz VOA</u>	<u>8.14.1991</u>					X	
WC-1	<u>-1-</u>		<u>-1-</u>	<u>4-4oz VOA</u>	<u>-1-</u>					X	
WC-2	<u>-1-</u>		<u>Nitric Acid</u>	<u>200 ml jar</u>	<u>8.14.1991</u>					X	
WC-2	<u>-1-</u>		<u>cold</u>	<u>2-4oz VOA</u>	<u>-1-</u>					X	
WC-2	<u>-1-</u>		<u>-1-</u>	<u>6-4oz VOA</u>	<u>-1-</u>					X	

SPECIAL INSTRUCTIONS / COMMENTS:

RELINQUISHED BY: (Signature) <u>R. Stanton</u>	DATE: <u>8.15.1991</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	RELINQUISHED BY: (Signature)	DATE:	RECEIVED BY: (Signature)
COMPANY: <u>SCS</u>	TIME: <u>11:30 PM</u>	COMPANY: <u>SCS Lab</u>	COMPANY:	TIME:	COMPANY:

8-16-91 10:20

CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS



COMPANY NAME: <u>SCS Engineering</u>	CARRIER: <u>Fed Ex</u>	TURNAROUND TIME REQUIRED: <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 5-DAY <input type="checkbox"/> 3-DAY <input type="checkbox"/> 24-HOUR <input type="checkbox"/> IMMEDIATE ATTENTION
ADDRESS: <u>6711 D Sierra Ct, Dublin CA</u>	SHIPMENT DATE: <u>8.15.1991</u>	
PHONE NUMBER: <u>(619) 599-0661</u>	SHIPPING NUMBER:	
P.O. NUMBER:	NUMBER OF SAMPLES: PAGE OF	

PROJECT NAME: <u>Harrison Street Garage</u>	ANALYSES REQUIRED																																																																																
PROJECT ADDRESS: <u>1052 Harrison St, Catland CA</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td></tr> <tr><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td></tr> <tr><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td></tr> <tr><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td><td style="width:5%;"> </td></tr> </table>																																																																																
PROJECT NUMBER: <u>0590064.02</u>																																																																																	
SAMPLER NAME AND SIGNATURE: <u>Babbar Ravandee R. Shannon</u>																																																																																	
REPORTS TO BE SENT TO: <u>John P. Cummings</u>																																																																																	

SAMPLE I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	SAMPLE PRESERVATIVE(S)	CONTAINER SIZE / TYPE	DATE / TIME COLLECTED	FIELD TEMP.	FIELD pH	FIELD EC	SPECIAL PROGRAM REQUIREMENTS OR EPA - SOP & QAM REF	Methyl Pb, Ni, Zn, Cu	SCS Meth. (Ses)	8240	8114	8115	8116	8117	8118	8119	8120	8121	8122	8123	8124	8125	8126	8127	8128	8129	8130	8131	8132	8133	8134	8135	8136	8137	8138	8139	8140	8141	8142	8143	8144	8145	8146	8147	8148	8149	8150	8151	8152	8153	8154	8155	8156	8157	8158	8159	8160	8161	8162	8163	8164	8165	8166	8167	8168	8169	8170	8171	8172	8173	8174	8175	8176	8177	8178	8179	8180	8181	8182	8183	8184	8185	8186	8187	8188	8189	8190	8191	8192	8193	8194	8195	8196	8197	8198	8199	8200	8201	8202	8203	8204	8205	8206	8207	8208	8209	8210	8211	8212	8213	8214	8215	8216	8217	8218	8219	8220	8221	8222	8223	8224	8225	8226	8227	8228	8229	8230	8231	8232	8233	8234	8235	8236	8237	8238	8239	8240	8241	8242	8243	8244	8245	8246	8247	8248	8249	8250	8251	8252	8253	8254	8255	8256	8257	8258	8259	8260	8261	8262	8263	8264	8265	8266	8267	8268	8269	8270	8271	8272	8273	8274	8275	8276	8277	8278	8279	8280	8281	8282	8283	8284	8285	8286	8287	8288	8289	8290	8291	8292	8293	8294	8295	8296	8297	8298	8299	8300	8301	8302	8303	8304	8305	8306	8307	8308	8309	8310	8311	8312	8313	8314	8315	8316	8317	8318	8319	8320	8321	8322	8323	8324	8325	8326	8327	8328	8329	8330	8331	8332	8333	8334	8335	8336	8337	8338	8339	8340	8341	8342	8343	8344	8345	8346	8347	8348	8349	8350	8351	8352	8353	8354	8355	8356	8357	8358	8359	8360	8361	8362	8363	8364	8365	8366	8367	8368	8369	8370	8371	8372	8373	8374	8375	8376	8377	8378	8379	8380	8381	8382	8383	8384	8385	8386	8387	8388	8389	8390	8391	8392	8393	8394	8395	8396	8397	8398	8399	8400	8401	8402	8403	8404	8405	8406	8407	8408	8409	8410	8411	8412	8413	8414	8415	8416	8417	8418	8419	8420	8421	8422	8423	8424	8425	8426	8427	8428	8429	8430	8431	8432	8433	8434	8435	8436	8437	8438	8439	8440	8441	8442	8443	8444	8445	8446	8447	8448	8449	8450	8451	8452	8453	8454	8455	8456	8457	8458	8459	8460	8461	8462	8463	8464	8465	8466	8467	8468	8469	8470	8471	8472	8473	8474	8475	8476	8477	8478	8479	8480	8481	8482	8483	8484	8485	8486	8487	8488	8489	8490	8491	8492	8493	8494	8495	8496	8497	8498	8499	8500	8501	8502	8503	8504	8505	8506	8507	8508	8509	8510	8511	8512	8513	8514	8515	8516	8517	8518	8519	8520	8521	8522	8523	8524	8525	8526	8527	8528	8529	8530	8531	8532	8533	8534	8535	8536	8537	8538	8539	8540	8541	8542	8543	8544	8545	8546	8547	8548	8549	8550	8551	8552	8553	8554	8555	8556	8557	8558	8559	8560	8561	8562	8563	8564	8565	8566	8567	8568	8569	8570	8571	8572	8573	8574	8575	8576	8577	8578	8579	8580	8581	8582	8583	8584	8585	8586	8587	8588	8589	8590	8591	8592	8593	8594	8595	8596	8597	8598	8599	8600	8601	8602	8603	8604	8605	8606	8607	8608	8609	8610	8611	8612	8613	8614	8615	8616	8617	8618	8619	8620	8621	8622	8623	8624	8625	8626	8627	8628	8629	8630	8631	8632	8633	8634	8635	8636	8637	8638	8639	8640	8641	8642	8643	8644	8645	8646	8647	8648	8649	8650	8651	8652	8653	8654	8655	8656	8657	8658	8659	8660	8661	8662	8663	8664	8665	8666	8667	8668	8669	8670	8671	8672	8673	8674	8675	8676	8677	8678	8679	8680	8681	8682	8683	8684	8685	8686	8687	8688	8689	8690	8691	8692	8693	8694	8695	8696	8697	8698	8699	8700	8701	8702	8703	8704	8705	8706	8707	8708	8709	8710	8711	8712	8713	8714	8715	8716	8717	8718	8719	8720	8721	8722	8723	8724	8725	8726	8727	8728	8729	8730	8731	8732	8733	8734	8735	8736	8737	8738	8739	8740	8741	8742	8743	8744	8745	8746	8747	8748	8749	8750	8751	8752	8753	8754	8755	8756	8757	8758	8759	8760	8761	8762	8763	8764	8765	8766	8767	8768	8769	8770	8771	8772	8773	8774	8775	8776	8777	8778	8779	8780	8781	8782	8783	8784	8785	8786	8787	8788	8789	8790	8791	8792	8793	8794	8795	8796	8797	8798	8799	8800	8801	8802	8803	8804	8805	8806	8807	8808	8809	8810	8811	8812	8813	8814	
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CHAIN OF CUSTODY RECORD REQUEST FOR ANALYSIS



COMPANY NAME: <u>SCS Engineering</u>		CARRIER: <u>Fed Ex</u>		TURNAROUND TIME REQUIRED: <input checked="" type="checkbox"/> NORMAL <input type="checkbox"/> 5-DAY <input type="checkbox"/> 3-DAY <input type="checkbox"/> 24-HOUR <input type="checkbox"/> IMMEDIATE ATTENTION
ADDRESS: <u>6711 D Sierra Ct, Dublin CA</u>		SHIPMENT DATE: <u>8.15.1991</u>		
PHONE NUMBER: <u>(619) 599-0661</u>		SHIPPING NUMBER:		
P.O. NUMBER:		NUMBER OF SAMPLES: PAGE OF		

PROJECT NAME: <u>Harrison Street Garage</u>		ANALYSES REQUIRED				LAB ONLY	
PROJECT ADDRESS: <u>1052 Harrison St, Catland CA</u>		Met. (Pb, Ni, Zn, Cu) SCS MET. (Ses) 8240 (Pb, Ni, Zn, Cu)					
PROJECT NUMBER: <u>0590064.02</u>							
SAMPLER NAME AND SIGNATURE: <u>Babbar Ravandee R. Stanton</u>							
REPORTS TO BE SENT TO: <u>John P. Cummings</u>							

SAMPLE I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	SAMPLE PRESERVATIVE(S)	CONTAINER SIZE / TYPE	DATE / TIME COLLECTED	FIELD TEMP.	FIELD pH	FIELD EC	SPECIAL PROGRAM REQUIREMENTS OR EPA - SOP & QAM REF											SAMPLE CONDITION UPON RECEIPT	
WC-1	Logan		Nitric Acid	200 ml jar	8.14.1991					X											Good
WC-1	-1-		cold	2-4oz VEA	8.14.1991						X										
WC-1	-1-		-1-	4-4oz VEA	-1-							X									
WC-2	-1-		Nitric Acid	200 ml jar	8.14.1991					X											
WC-2	-1-		cold	2-4oz VEA	-1-						X										
WC-2	-1-		-1-	6-4oz VEA	-1-							X									

SPECIAL INSTRUCTIONS / COMMENTS:

RELINQUISHED BY: (Signature) <u>R. Stanton</u>	DATE: <u>8.15.1991</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	RELINQUISHED BY: (Signature)	DATE:	RECEIVED BY: (Signature)
COMPANY: <u>SCS</u>	TIME: <u>11:30 PM</u>	COMPANY: <u>SCS Lab</u>	COMPANY:	TIME:	COMPANY:

8-16-91 10:20