



**KAMUR INDUSTRIES INC.**

2351 Shoreline Dr. Alameda, CA 94501 - (415) 523-7866

July 31, 1991

Cynthia Chapman  
Alameda County Health Care Services  
Hazardous Waste Program  
80 Swan Way, Rm 200  
Oakland, CA 94621

Subject: Former South Shore Car Wash Location  
2351 Shoreline Drive  
Alameda, CA.

Dear Cynthia:

Enclosed are the results of the quarterly well sampling done July 4, 1991 at the subject location. The analysis was done by Anametrix, Inc. of San Jose, and tabulated by Soil Tech Engineering.

The next sampling will be done on about September 30th. Please let me know if I can be of further assistance.

Sincerely,

Murray T. Stevens

MTS:khs  
Attachment

cc: Mr. Gil Jensen, Alameda County District Attorney  
Consumer and Environmental Protection  
Mr. Lester Feldman, RWQCB  
Mr. Michael Dosen, Harsch Investment Corp.  
Mr. Frank Hamedi-Fard, Soil Tech Engineering  
Mr. Alan D. Gibbs, Cayton Environmental

PLTF DEFT EXTND 17 (17A attach)  
WIT. DENNIS BYRNE  
DATE 11/22/91 E.R.G.  
ELYSE R. GARDNER, CSR

File No. 8-90-418-SI

QUARTERLY GROUNDWATER MONITORING AND  
SAMPLING FOR KAMUR INDUSTRIES CAR WASH  
LOCATED AT 2351 SHORE LINE DRIVE  
ALAMEDA, CALIFORNIA  
JULY 30, 1991

PREPARED FOR:  
KAMUR INDUSTRIES, INC.  
2351 SHORE LINE DRIVE  
ALAMEDA, CALIFORNIA 94501

BY:  
SOIL TECH ENGINEERING, INC.  
298 BROKAW ROAD  
SANTA CLARA, CALIFORNIA 95050

SOIL TECH ENGINEERING, INC.

File No. 8-90-418-SI

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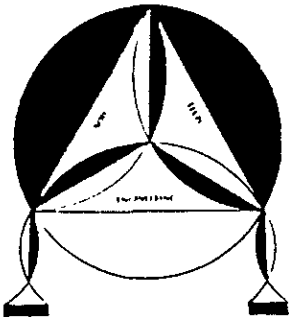
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Uniform Hazardous Waste Manifest



# SOIL TECH ENGINEERING

*Soil, Foundation and Geological Engineers*

298 BROKAW ROAD, SANTA CLARA, CA 95050 ■ (408) 496-0265 OR (408) 496-0266

July 30, 1991

File No. 8-90-418-SI

Kamur Industries, Inc.  
2351 Shore Line Drive  
Alameda, California 94501

ATTENTION: MR. MURRAY STEVENS

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING  
FOR KAMUR INDUSTRIES CAR WASH  
Located at 2351 Shore Line Drive, in  
Alameda, California

Dear Mr. Stevens:

This report presents the results of first quarter groundwater sampling conducted by Soil Tech Engineering, Inc. (STE), on July 4, 1991, at the subject site (Figure 1).

Four monitoring wells (STMW-1 to STMW-4) are located on-site. See Figure 2 for the locations of the wells. This quarterly monitoring and sampling was conducted in accordance with STE's recommendations made in "Preliminary Subsurface Environmental Assessment", dated July 2, 1991. During this quarter's reporting period, the following field activities were performed:

File No. 8-90-418-SI

- Measured depth-to-groundwater in all wells.
- Purged each monitoring well prior to sampling.
- Sampled each monitoring well.
- Submitted water samples to a state-certified laboratory for analysis.
- Reviewed results and prepared a report of the investigation.

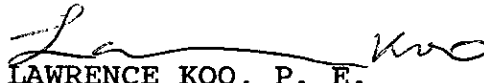
If you have any questions or require additional information, please feel free to contact our office at your convenience.

Sincerely,

SOIL TECH ENGINEERING, INC.



FRANK HAMEDI-FARD  
GENERAL MANAGER



LAWRENCE KOO, P. E.  
C. E. #34928

QUARTERLY MONITORING AND SAMPLING REPORT  
KAMUR INDUSTRIES, INC.  
CAR WASH FACILITY  
LOCATED AT 2351 SHORE LINE DRIVE  
ALAMEDA, CALIFORNIA  
JULY 30, 1991

**INTRODUCTION:**

This report presents the first quarter groundwater monitoring and sampling program of on-site wells performed by Soil Tech Engineering, Inc. (STE), for Kamur Industries, Inc., car wash facility located at 2351 Shore Line Drive, in Alameda, California (Figure 1). The monitoring and sampling program was conducted in accordance with our recommendation described in STE's report, dated July 2, 1991.

**BACKGROUND:**

The site is located at 2351 Shore Line Drive, in Alameda, California (Figure 1). The site was formerly used as a gasoline service station and car wash. In July 1990, three underground gasoline tanks (10,000 gallons each) were removed by Zacor Corporation. Soil sampling was conducted by Environmental Bio-Systems, Inc. (EBS). The soil sample analytical results taken beneath the underground tank showed high concentrations of Total Petroleum Hydrocarbons as gasoline (TPHg), which ranged from 360 parts per million (ppm) to a maximum of 9,500 ppm.

In addition to tank removal, EBS Consultants used a hand auger to conduct additional shallow soil sampling from the undisturbed area surrounding the former tank excavation. The depth of the soil sampling ranged from 5.1 to 7.1 feet below ground surface. The undisturbed soil analytical results showed moderate levels of TPHg and BTEX. No groundwater investigation was conducted by EBS.

Alameda County Health Care Services--Department of Environmental Health (ACHCS-DEH) requested a preliminary soil/groundwater investigation including the removal of contaminated soil and the further delineation of the extent of petroleum hydrocarbons in the soil and groundwater.

In August 1990, Kamur Industries, Inc., retained STE to conduct further investigation as requested by the ACHCS-DEH. STE prepared a work plan (dated August 30, 1990) to conduct further investigation for local agency approval. STE performed a preliminary subsurface investigation as follows:

- Task 1: Removed contaminated soil to the depth feasible and arranged for its proper disposal.
- Task 2: Drilled ten exploratory borings.
- Task 3: Installed four monitoring wells.

The preliminary investigation is described in STE's report, dated July 2, 1991, entitled "Preliminary Subsurface Environmental Assessment at Kamur Industries, Inc., Car Wash. . ." The report recommended quarterly monitoring and sampling of the four on-site wells.

**FIELD ACTIVITIES:**

**Groundwater Monitoring:**

The four on-site wells (STMW-1 to STMW-4) were monitored on July 4, 1991, using an electronic probe capable of measuring free-floating product and determining depth-to-water. The wells were surveyed to the nearest 0.01 elevation. Blackish petroleum sheen and a strong petroleum odor were detected in well STMW-1 only. Table 1 summarizes the monitoring data.

The wells were resurveyed on July 8, 1991, due to changes in the gradient of the site. The elevation data indicated that the groundwater beneath the site flowed south or southeast on July 8, 1991.

**Groundwater Sampling and Results:**

On July 4, 1991, following groundwater monitoring, each well was purged and sampled in accordance with STE's Standard Operation Procedures (Appendix "B"), which follow state and local agency guidelines. The samples were submitted for analysis to a state-certified laboratory, accompanied by a chain-of-custody record.



The samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX), per EPA Methods 5030 and 8020. The samples were also analyzed for Volatile Organic Compounds (VOC) per EPA Methods 601/8010. A selected sample (STMW-3) was analyzed for Total Petroleum Hydrocarbons as diesel (TPHd) and Total Oil and Grease (TOG).

The results of the laboratory analyses are summarized in Table 2. In wells STMW-2 and STMW-4 levels of TPHg and BTEX were below detection limits, whereas wells STMW-1 and STMW-3 continued to show the presence of dissolved hydrocarbons. The Volatile Organic Compounds detected in well STMW-1 was 1,2-Dichloroethane (290 ppb); in well STMW-2 were Trichloroethylene (1.3 ppb) and Tetrachloroethene (18 ppb); in well STMW-3 were Methylene Chloride (9 ppb) and Trichloroethylene (230 ppb), respectively. No VOC's were detected in well STMW-4.

The laboratory results and chain-of-custody records are in Appendix "C"

**SUMMARY:**

A comparison of the recent results with the April 1991 results showed decreases in the concentrations of TPHg and BTEX in wells STMW-1, STMW-3 and STMW-4, except for a minor increase in Benzene concentration (from 11 ppb to 14 ppb) in well STMW-1. The concentration of the VOC's detected also decreased in all wells. Well STMW-4 continued to show non-detectable levels of VOC's.

**RECOMMENDATION:**

Based on the recent analytical data obtained from sampling and evaluation, STE recommends continuing the current quarterly monitoring and sampling of the on-site wells for three more quarters as recommended in STE's preliminary site assessment, dated July 2, 1991.

A copy of this report should be sent to Alameda County Health Department and to California Regional Water Quality Control Board, San Francisco Bay Region.

**LIMITATIONS:**

This report was prepared in accordance with the currently accepted standards for environmental investigations. The contents of this report reflect the conditions of the subject site at this particular time. No other warranties, expressed or implied, as to the professional advice provided are made.

**SCHEDULE:**

The next monitoring and sampling will be conducted in October 1991.

TABLE 1  
GROUNDWATER MONITORING DATA

Date	Well No.	Well Head Elevation (feet)	Depth-to Water (feet)	Water Elevation (feet)	Petroleum Thickness	Petroleum Odor
7/8/91	STMW-1	99.46	7.54	91.92	Sheen	Strong
	STMW-2	98.12	6.23	91.89	ND	ND
	STMW-3	99.90	7.96	91.94	ND	Mild
	STMW-4	98.78	6.90	91.88	ND	ND

ND = Not Detected

TABLE 2  
GROUNDWATER ANALYTICAL RESULTS

I. Dissolved Petroleum Hydrocarbons in Milligrams Per Liter (mg/L)

Well No.	Date	TPHg	TPHd	B	T	E	X	TOG
STMW-1	4/5/91	180	NA	11	20	3.2	18	NA
	7/4/91	58	NA	14	7	2.7	8.3	NA
STMW-2	4/5/91	ND	NA	ND	ND	ND	ND	NA
	7/4/91	ND	NA	ND	ND	ND	ND	NA
STMW-3	4/5/91	260	NA	20	34	3.6	19	NA
	7/4/91	66	11	11	17	1.9	8.9	ND
STMW-4	4/5/91	ND	NA	0.3	0.3	ND	0.7	NA
	7/4/91	ND	NA	ND	ND	ND	ND	NA

TPHg = Total Petroleum Hydrocarbons as gasoline  
 TPHd = Total Petroleum Hydrocarbons as diesel  
 BTEX = Benzene, Toluene, Ethylbenzene, Xylenes  
 NA = Not Analyzed  
 ND = Not Detected (Below Detection Limit)

TABLE 2 CONT'D  
GROUNDWATER ANALYTICAL RESULTS

II. Volatile Organic Compounds (VOC's) Results

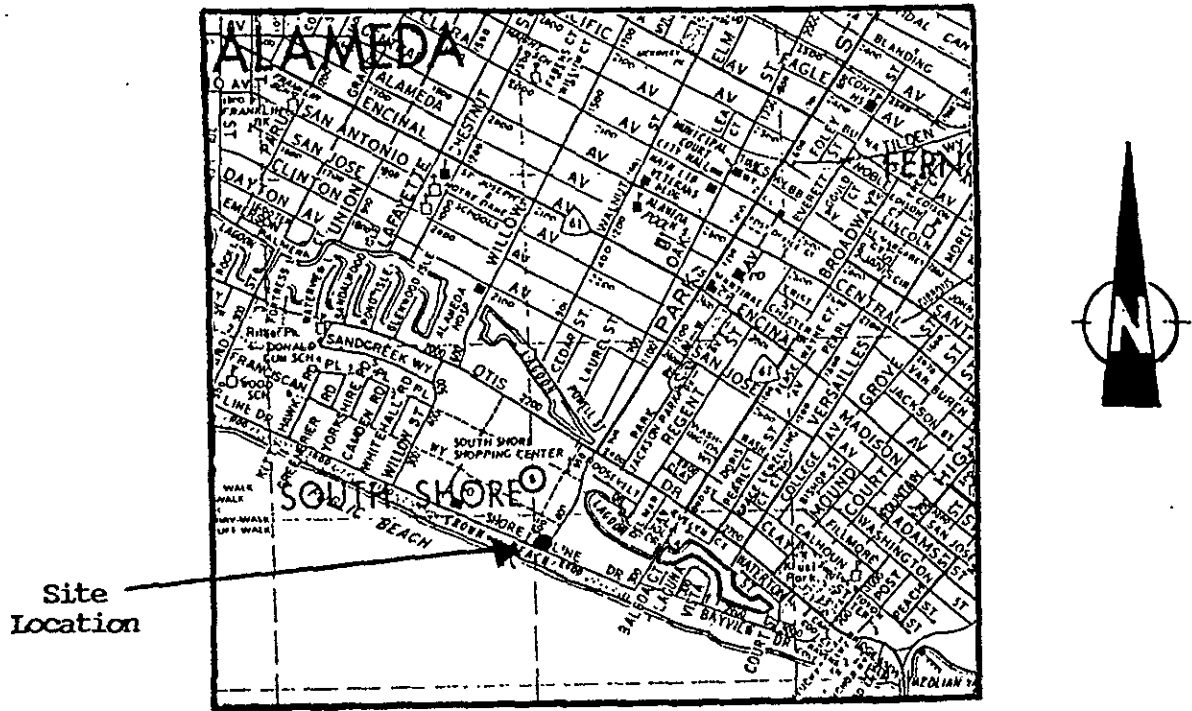
Date	Monitoring Well No.	VOC Compounds Detected Per EPA Method 8010 Results in Parts Per Billion (ppb)	DHS-DWS (ppb)
4/5/91	STMW-1	1,2-Dichloroethane	350
		Trichloroethylene	4
		1,1,2-Trichloroethane	0.5
		(PEC) Tetrachloroethene	0.9
		cis-1,2-Dichloroethene	1
7/4/91	STMW-1	1,2-Dichloroethane	290
4/5/91	STMW-2	1,2-Dichloroethane	8
		Trichloroethylene	4
		Tetrachloroethene	27
7/4/91	STMW-2	Trichloroethene (Trichloroethylene)	1.3
		Tetrachloroethene	18
4/5/91	STMW-3	1,2-Dichloroethane	450
7/4/91	STMW-3	Methylene Chloride	9
		Trichloroethene (Trichloroethylene)	230
4/5/91	STMW-4	None Detected	
7/4/91	STMW-4	None Detected	

DHS-DWS = Department of Health Services--Drinking Water Standards -

File No. 8-90-418-SI

A P P E N D I X "A"

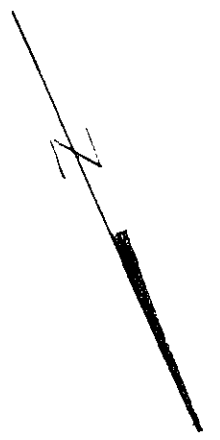
SOIL TECH ENGINEERING, INC.



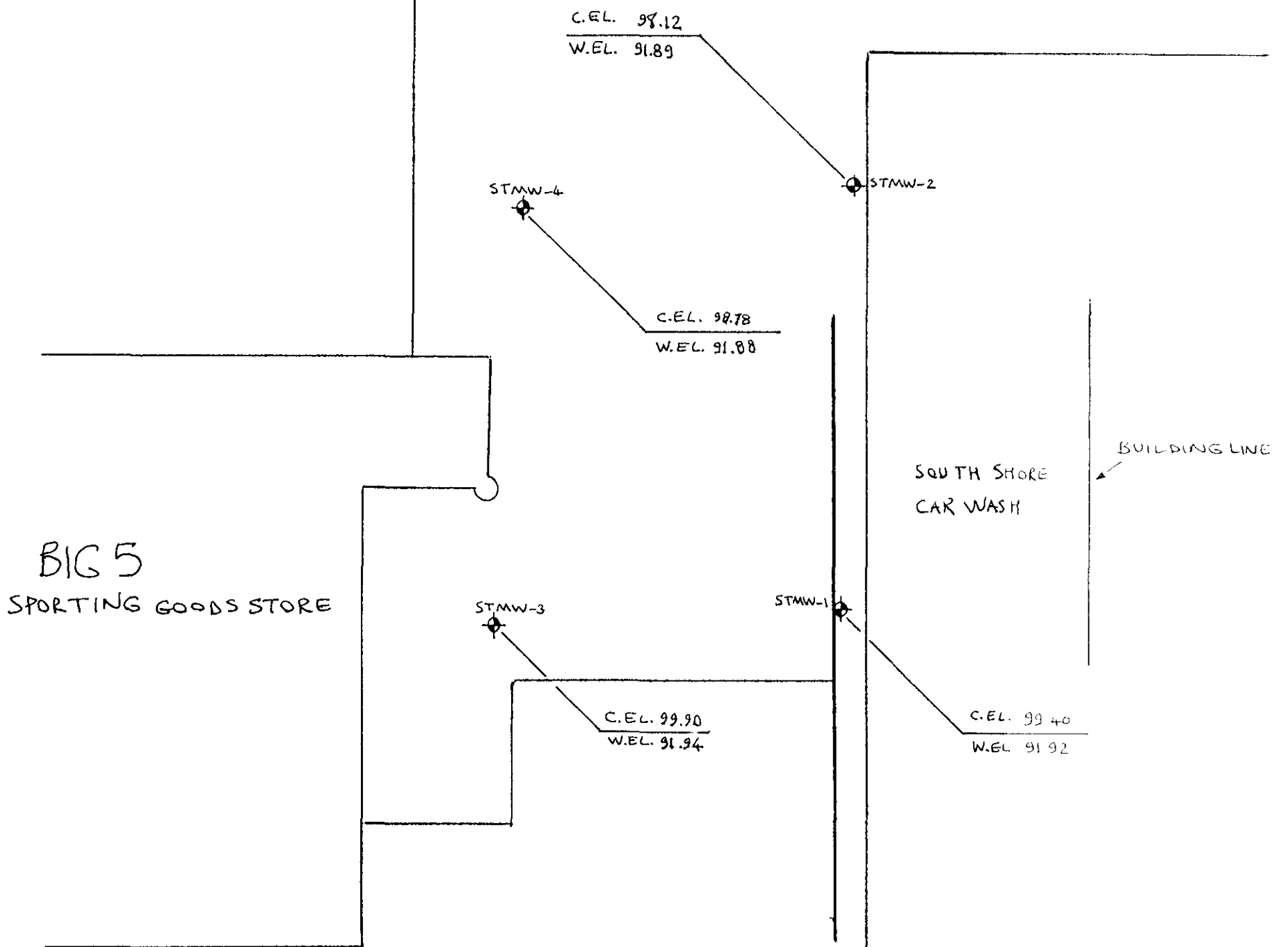
Thomas Brothers Map 1982 Edition  
Alameda - Contra Costa Counties Map

Figure 1

# SHORE LINE DR



APPROXIMATE  
DIRECTION OF  
GROUND WATER  
FLOW AS 7-4-91



2351 SHORE LINE DR ALAMEDA CA		
$i=30'$	PROJECT NO 8-90-418-51	FIG-2
DRAWN BY N.A.		7-4-91
SOILTECH ENGINEERING INC. 298 BROKAW RD. SANTA CLARA CA 95050		



File No. 8-90-418-SI

A P P E N D I X "B"

SOIL TECH ENGINEERING, INC.

### GROUNDWATER SAMPLING

Prior to collection of groundwater samples, all of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc...) was cleaned by pumping TSP water solution followed by distilled water.

Prior to purging, the well "Water Sampling Field Survey Forms" were filled out (depth to water and total depth of water column were measured and recorded). The well was then bailed or pumped to remove four to ten well volumes or until the discharged water temperature, conductivity and pH stabilized. "Stabilized" is defined as three consecutive readings within 15% of one another.

The groundwater sample was collected when the water level in the well recovered to 80% of its static level.

Forty milliliter (ml.), glass volatile organic analysis (VOA) vials with Teflon septa were used as sample containers. The groundwater sample was decanted into each VOA vial in such a manner that there was a meniscus at the top. The cap was quickly placed over the top of the vial and securely tightened. The VOA vial was then inverted and tapped to see if air bubbles were present. If none were present, the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information would include a sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

File No. 8-90-418-SI

A P P E N D I X "C"

SOIL TECH ENGINEERING, INC.

**ANAMETRIX INC**

Environmental & Analytical Chemistry  
 1961 Concourse Drive, Suite E, San Jose, CA 95131  
 (408) 432-6192 • Fax (408) 432-6198

**REPORT**

MR. FRANK HAMEDI  
 SOIL TECH ENGINEERING  
 298 BROKAW ROAD  
 SANTA CLARA, CA 95050

Workorder # : 9107051  
 Date Received : 07/08/91  
 Project ID : 8-90-418-SI  
 Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9107051- 1	STMW-1
9107051- 2	STMW-2
9107051- 3	STMW-3
9107051- 4	STMW-4

This report consists of 20 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415)540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.

*Sarah Schoen*

Sarah Schoen, Ph.D.  
 Laboratory Manager

7-24-91

Date

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI  
SOIL TECH ENGINEERING  
298 BROKAW ROAD  
SANTA CLARA, CA 95050

Workorder # : 9107051  
Date Received : 07/08/91  
Project ID : 8-90-418-SI  
Purchase Order: N/A  
Department : GC  
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9107051- 1	STMW-1	WATER	07/04/91	8010
9107051- 2	STMW-2	WATER	07/04/91	8010
9107051- 3	STMW-3	WATER	07/04/91	8010
9107051- 4	STMW-4	WATER	07/04/91	8010

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI  
SOIL TECH ENGINEERING  
298 BROKAW ROAD  
SANTA CLARA, CA 95050

Workorder # : 9107051  
Date Received : 07/08/91  
Project ID : 8-90-418-SI  
Purchase Order: N/A  
Department : GC  
Sub-Department: VOA

QA/QC SUMMARY :

- Methylene chloride reported for STMW-3 is within the normal laboratory background level in the diluted sample.

Frank Schoen 7-24-91  
Department Supervisor Date

Kamel G. Kamel 7/24/91  
Chemist Date

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-418-SI STMW-1  
 Matrix : WATER  
 Date sampled : 07/04/91  
 Date analyzed: 07/10/91  
 Dilution : 10

Anamatrix I.D. : 9107051-01  
 Analyst : KC  
 Supervisor : CP  
 Date released : 07/11/91  
 Instrument ID : HP14

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
74-83-9	* Bromomethane	5	ND
75-71-8	* Dichlorodifluoromethane	10	ND
75-01-4	* Vinyl Chloride	5	ND
75-00-3	* Chloroethane	5	ND
75-09-2	* Methylene Chloride	5	ND
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
156-59-2	# Cis-1,2-Dichloroethene	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
107-06-2	* 1,2-Dichloroethane	5	290
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
75-27-4	* Bromodichloromethane	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
79-01-6	* Trichloroethene	5	ND
124-48-1	* Dibromochloromethane	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
110-75-8	* 2-Chloroethylvinylether	10	ND
75-25-2	* Bromoform	5	ND
127-18-4	* Tetrachloroethene	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
108-90-7	* Chlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	10	ND
541-73-1	* 1,3-Dichlorobenzene	10	ND
106-46-7	* 1,4-Dichlorobenzene	10	ND
% Surrogate Recovery		51-136%	90%

ND : Not detected at or above the practical quantitation limit for the method.  
 \* A 601/8010 approved compound (Federal Register, 10/26/84).  
 # A compound added by Anamatrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-418-SI STMW-2  
 Matrix : WATER  
 Date sampled : 07/04/91  
 Date analyzed: 07/09/91  
 Dilution : NONE

Anamatrix I.D. : 9107051-02  
 Analyst : KK  
 Supervisor : CP  
 Date released : 07/11/91  
 Instrument ID : HP14

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
75-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	1.3
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	18
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		51-136%	84%

ND : Not detected at or above the practical quantitation limit for the method.

\* A 601/8010 approved compound (Federal Register, 10/26/84).

# A compound added by Anamatrix, Inc.



ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-418-SI STMW-3  
Matrix : WATER  
Date sampled : 07/04/91  
Date analyzed: 07/10/91  
Dilution : 10

Anametrix I.D. : 9107051-03  
Analyst : KFC  
Supervisor : [Signature]  
Date released : 07/11/91  
Instrument ID : HP14

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	10	ND
74-83-9	* Bromomethane	5	ND
75-71-8	* Dichlorodifluoromethane	10	ND
75-01-4	* Vinyl Chloride	5	ND
75-00-3	* Chloroethane	5	ND
75-09-2	* Methylene Chloride	5	9
75-69-4	* Trichlorofluoromethane	5	ND
75-35-4	* 1,1-Dichloroethene	5	ND
75-34-3	* 1,1-Dichloroethane	5	ND
156-59-2	# Cis-1,2-Dichloroethene	5	ND
156-60-5	* Trans-1,2-Dichloroethene	5	ND
67-66-3	* Chloroform	5	ND
76-13-1	# Trichlorotrifluoroethane	5	ND
107-06-2	* 1,2-Dichloroethane	5	ND
71-55-6	* 1,1,1-Trichloroethane	5	ND
56-23-5	* Carbon Tetrachloride	5	ND
75-27-4	* Bromodichloromethane	5	ND
78-87-5	* 1,2-Dichloropropane	5	ND
10061-02-6	* Trans-1,3-Dichloropropene	5	ND
79-01-6	* Trichloroethene	5	230
124-48-1	* Dibromochloromethane	5	ND
79-00-5	* 1,1,2-Trichloroethane	5	ND
10061-01-5	* cis-1,3-Dichloropropene	5	ND
110-75-8	* 2-Chloroethylvinylether	10	ND
75-25-2	* Bromoform	5	ND
127-18-4	* Tetrachloroethene	5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	5	ND
108-90-7	* Chlorobenzene	5	ND
95-50-1	* 1,2-Dichlorobenzene	10	ND
541-73-1	* 1,3-Dichlorobenzene	10	ND
106-46-7	* 1,4-Dichlorobenzene	10	ND
% Surrogate Recovery		51-136%	103%

ND : Not detected at or above the practical quantitation limit for the method.  
\* A 601/8010 approved compound (Federal Register, 10/26/84).  
# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-418-SI STMW-4  
Matrix : WATER  
Date sampled : 07/04/91  
Date analyzed: 07/09/91  
Dilution : NONE

Anamatrix I.D. : 9107051-04  
Analyst : KK  
Supervisor : ep  
Date released : 07/11/91  
Instrument ID : HP14

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
75-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		51-136%	82%

ND : Not detected at or above the practical quantitation limit for the method.  
\* A 601/8010 approved compound (Federal Register, 10/26/84).  
# A compound added by Anamatrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK  
Matrix : WATER  
Date sampled : N/A  
Date analyzed: 07/09/91  
Dilution : NONE

Anametrix I.D. : 14B0709H01  
Analyst : KL  
Supervisor : CP  
Date released : 07/11/91  
Instrument ID : HP14

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
75-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		51-136%	82%

ND : Not detected at or above the practical quantitation limit for the method.  
\* A 601/8010 approved compound (Federal Register, 10/26/84).  
# A compound added by Anametrix, Inc.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 601/8010  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK  
 Matrix : WATER  
 Date sampled : N/A  
 Date analyzed: 07/10/91  
 Dilution : NONE

Anamatrix I.D. : 14B0710H01  
 Analyst : ~~KK~~  
 Supervisor : ~~CP~~  
 Date released : 07/11/91  
 Instrument ID : HP14

CAS #	Compound Name	Reporting Limit (ug/l)	Amount Found (ug/l)
74-87-3	* Chloromethane	1	ND
74-83-9	* Bromomethane	0.5	ND
75-71-8	* Dichlorodifluoromethane	1	ND
75-01-4	* Vinyl Chloride	0.5	ND
75-00-3	* Chloroethane	0.5	ND
75-09-2	* Methylene Chloride	0.5	ND
75-69-4	* Trichlorofluoromethane	0.5	ND
75-35-4	* 1,1-Dichloroethene	0.5	ND
75-34-3	* 1,1-Dichloroethane	0.5	ND
156-59-2	# Cis-1,2-Dichloroethene	0.5	ND
156-60-5	* Trans-1,2-Dichloroethene	0.5	ND
67-66-3	* Chloroform	0.5	ND
76-13-1	# Trichlorotrifluoroethane	0.5	ND
107-06-2	* 1,2-Dichloroethane	0.5	ND
71-55-6	* 1,1,1-Trichloroethane	0.5	ND
56-23-5	* Carbon Tetrachloride	0.5	ND
75-27-4	* Bromodichloromethane	0.5	ND
78-87-5	* 1,2-Dichloropropane	0.5	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.5	ND
79-01-6	* Trichloroethene	0.5	ND
124-48-1	* Dibromochloromethane	0.5	ND
79-00-5	* 1,1,2-Trichloroethane	0.5	ND
10061-01-5	* cis-1,3-Dichloropropene	0.5	ND
110-75-8	* 2-Chloroethylvinylether	1	ND
75-25-2	* Bromoform	0.5	ND
127-18-4	* Tetrachloroethene	0.5	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.5	ND
108-90-7	* Chlorobenzene	0.5	ND
95-50-1	* 1,2-Dichlorobenzene	1	ND
541-73-1	* 1,3-Dichlorobenzene	1	ND
106-46-7	* 1,4-Dichlorobenzene	1	ND
% Surrogate Recovery		51-136%	80%

ND : Not detected at or above the practical quantitation limit for the method.  
 \* A 601/8010 approved compound (Federal Register, 10/26/84).  
 # A compound added by Anamatrix, Inc.

HALOGENATED VOLATILE RECOVERY REPORT  
 EPA METHOD 601/8010  
 ANAMETRIX, INC. (408)432-8192

Sample I.D. : METHOD SPIKE  
 Matrix : WATER  
 Date sampled : N/A  
 Date analyzed : 07/08/91

ANAMETRIX I.D : SPK071591  
 Analyst : KK  
 Supervisor : NK  
 Date released : 07/11/91  
 Instrument I.D.: HP14

COMPOUND	SPIKE AMT. (ug/L)	MS (ug/L)	REC MS	MSD (ug/L)	REC MSD	RPD	%REC LIMITS
1,1-DICHLOROETHENE	4	3.1	78%	3.0	75%	3%	41 - 110
METHYLENE CHLORIDE	20	24.2	121%	24.2	121%	0%	60 - 122
trans-1,2-DICHLOROETHENE	4	3.6	90%	3.7	93%	-3%	47 - 126
1,1-DICHLOROETHANE	4	4.3	108%	3.7	93%	15%	67 - 124
1,1,1-TRICHLOROETHANE	4	4.2	105%	4.0	100%	5%	50 - 125
CARBON TETRACHLORIDE	4	4.4	110%	4.3	108%	2%	55 - 121
1,2-DICHLOROETHANE	4	4.6	115%	4.7	118%	-2%	57 - 131
TRICHLOROETHENE	4	4.3	108%	4.3	108%	0%	51 - 131
1,2-DICHLOROPROPANE	4	4.5	113%	4.6	115%	-2%	74 - 127
cis-1,3-DICHLOROPROPENE	5	4.4	88%	4.3	86%	2%	61 - 111
trans-1,3-DICHLOROPROPENE	3	3.0	100%	3.0	100%	0%	55 - 131
1,1,2-TRICHLOROETHANE	4	4.1	102%	4.1	102%	0%	77 - 131
TETRACHLOROETHENE	4	4.3	108%	4.1	102%	5%	70 - 136
CHLOROBENZENE	20	20.6	103%	20.5	102%	0%	72 - 128
1,1,2,2-TETRACHLOROETHANE	4	3.7	93%	3.7	93%	0%	71 - 119
1,3-DICHLOROBENZENE	20	16.2	81%	16.3	82%	-1%	67 - 120
1,4-DICHLOROBENZENE	20	16.5	83%	16.4	82%	1%	61 - 109
1,2-DICHLOROBENZENE	20	17.0	85%	17.6	88%	-3%	70 - 119

\* Limits based on data generated by Anametrix, Inc., July 1990.

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI  
SOIL TECH ENGINEERING  
298 BROKAW ROAD  
SANTA CLARA, CA 95050

Workorder # : 9107051  
Date Received : 07/08/91  
Project ID : 8-90-418-SI  
Purchase Order: N/A  
Department : GC  
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9107051- 3	STMW-3	WATER	07/04/91	TPHd
9107051- 1	STMW-1	WATER	07/04/91	TPHg/BTEX
9107051- 2	STMW-2	WATER	07/04/91	TPHg/BTEX
9107051- 3	STMW-3	WATER	07/04/91	TPHg/BTEX
9107051- 4	STMW-4	WATER	07/04/91	TPHg/BTEX

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI  
SOIL TECH ENGINEERING  
298 BROKAW ROAD  
SANTA CLARA, CA 95050

Workorder # : 9107051  
Date Received : 07/08/91  
Project ID : 8-90-418-SI  
Purchase Order: N/A  
Department : GC  
Sub-Department: TPH

QA/QC SUMMARY :

- The concncentration reported as TPHd for sample STMW-3 appears to be due primarily to extractable components of gasoline.

Charles B... 7/24/91  
Department Supervisor Date

Laura Shea 7/24/91  
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS  
(GASOLINE WITH BTEX)  
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9107051  
Matrix : WATER  
Date Sampled : 07/04/91

Project Number : 8-90-418-SI  
Date Released : 07/17/91

Reporting Limit	Sample I.D.# STMW-1	Sample I.D.# STMW-2	Sample I.D.# STMW-3	Sample I.D.# STMW-14	Sample I.D.# 12B0710A
COMPOUNDS (ug/L)	-01	-02	-03	-04	BLANK
Benzene	0.5	14000	ND	11000	ND
Toluene	0.5	7000	ND	17000	ND
Ethylbenzene	0.5	2700	ND	1900	ND
Total Xylenes	0.5	8300	ND	8900	ND
TPH as Gasoline	50	58000	ND	66000	ND
% Surrogate Recovery	105%	113%	117%	100%	83%
Instrument I.D.	HP12	HP12	HP12	HP12	HP12
Date Analyzed	07/10/91	07/10/91	07/10/91	07/10/91	07/10/91
RLMF	250	1	500	1	1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
- RLMF - Reporting Limit Multiplication Factor.  
Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

C. Fan 7/18/91  
Analyst Date

Cheryl Balmer 7/18/91  
Supervisor Date



ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS  
(GASOLINE WITH BTEX)  
ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9107051  
Matrix : WATER  
Date Sampled : N/A

Project Number : 8-90-418-SI  
Date Released : 07/17/91

COMPOUNDS	Reporting Limit (ug/L)	Sample I.D.# 12B0715A BLANK
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Total Xylenes	0.5	ND
TPH as Gasoline	50	ND
% Surrogate Recovery		97%
Instrument I.D.		HP12
Date Analyzed		07/15/91
RLMF		1

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020.
- RLMF - Reporting Limit Multiplication Factor.  
Anamatrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

C. Fan 7.12.91  
Analyst Date

Cheryl Balmer 7/18/91  
Supervisor Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
ANAMETRIX, INC. (408) 432-8192

Anamatrix W.O.: 9107051  
Matrix : WATER  
Date Sampled : 07/04/91  
Date Extracted: 07/11/91

Project Number : 8-90-418-SI  
Date Released : 07/17/91  
Instrument I.D.: HP9

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)
9107051-03	STMW-3	07/13/91	500	11000
DWBL071191	METHOD BLANK	07/12/91	50	ND

Note : Reporting limit is obtained by multiplying the dilution factor times 50ug/L.  
 ND - Not detected at or above the practical quantitation limit for the method.  
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3510.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

June Stoe 7/23/91  
Analyst Date

Cheryl Balmer 7/20/91  
Supervisor Date

BTEX MATRIX SPIKE REPORT  
 EPA METHOD 5030 WITH GC/PID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 8-90-418-SI STMW-2  
 Matrix : WATER  
 Date Sampled : 07/04/91  
 Date Analyzed : 07/10/91


Anamatrix I.D.: 9107051-02  
 Analyst : C.F.  
 Supervisor : *CS*  
 Date Released : 07/17/91

COMPOUND	SPIKE AMT. (ug/L)	MS (ug/L)	REC MS	MSD (ug/L)	REC MSD	RPD	%REC LIMITS
Benzene	10	10	100%	8.0	80%	-22%	46-149
Toluene	10	10	100%	8.1	81%	-21%	43-146
Ethylbenzene	10	10	100%	8.2	82%	-20%	51-138
M+P-Xylenes	6.7	7.7	115%	6.1	91%	-23%	39-161
O-Xylene	3.3	3.9	118%	3.2	97%	-20%	37-156
P-BFB			113%		107%		53-147%

\* Limits established by Anamatrix, Inc.

TOTAL EXTRACTABLE HYDROCARBON METHOD SPIKE REPORT  
 EPA METHOD 3510 WITH GC/FID  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD SPIKE  
 Matrix : REAGENT WATER  
 Date Sampled : N/A  
 Date Extracted: 07/11/91  
 Date Analyzed : 07/15/91

Anamatrix I.D. : SPK071191  
 Analyst : C.F.  
 Supervisor :   
 Date Released : 07/17/91

COMPOUND	SPIKE AMT. (ug/L)	MS (ug/L)	%REC MS	MSD (ug/L)	%REC MSD	RPD	%REC LIMITS
Diesel	1250	1200	96%	1340	107%	11%	35-109

\* Limits established by Anamatrix, Inc.

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI  
SOIL TECH ENGINEERING  
298 BROKAW ROAD  
SANTA CLARA, CA 95050

Workorder # : 9107051  
Date Received : 07/08/91  
Project ID : 8-90-418-SI  
Purchase Order: N/A  
Department : PREP  
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9107051- 3	STMW-3	WATER	07/04/91	5520BF

REPORT SUMMARY  
ANAMETRIX, INC. (408)432-8192

MR. FRANK HAMEDI  
SOIL TECH ENGINEERING  
298 BROKAW ROAD  
SANTA CLARA, CA 95050

Workorder # : 9107051  
Date Received : 07/08/91  
Project ID : 8-90-418-SI  
Purchase Order: N/A  
Department : PREP  
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

*Frank Hamedi* 5/17, 16<sup>th</sup> 1991  
Department Supervisor Date

*[Signature]* 07. 16. 91  
Chemist Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE  
 ANAMETRIX, INC. (408) 432-8192

Project # : 8-90-418-SI  
 Matrix : WATER  
 Date sampled : 07/04/91  
 Date ext. TOG: 07/10/91  
 Date anl. TOG: 07/10/91

Anamatrix I.D. : 9107051  
 Analyst : ~~AP~~ *EP*  
 Supervisor :  
 Date released : 07/16/91

Workorder #	Sample I.D.	Reporting Limit (mg/L)	Amount Found (mg/L)
9107051-03	STMW-3	5	ND
GWBL071091	METHOD BLANK	5	ND

ND - Not detected at or above the practical quantitation limit for the method.

TOG - Total Oil & Grease is determined by Standard Method 5520BF.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

TOTAL OIL AND GREASE METHOD SPIKE  
 STANDARD METHOD 5520BF  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD SPIKE  
 Matrix : WATER  
 Date Sampled : N/A  
 Date extracted: 07/10/91  
 Date analyzed : 07/10/91

Anametrix I.D. : SPK071091  
 Analyst : *HSP*  
 Supervisor : *(Signature)*  
 Date Released : 07/16/91

COMPOUND	SPIKE AMT. (mg/L)	MS (mg/L)	%REC MS	MSD (mg/L)	%REC MSD	%RPD	%REC LIMITS
Motor Oil	50	34	68%	33	66%	3%	47-99%

\* Quality control limits established by Anametrix, Inc.



PROJ. NO.		NAME		CONTAINER	ANALYSES REQUESTED	REMARKS	
8-90-418-ST		2351 Shoreline Dr. Alameda					
SAMPLERS: (Signature) N. Am...							
NO.	DATE	TIME	SOIL	WATER	LOCATION		
1	7/4/91	11 <sup>30</sup>	✓		STMW-1	6	
2	7/4/91	11 <sup>50</sup>	✓		STMW-2	6	
3	7/4/91	12 <sup>12</sup>	✓		STMW-3	8	
4	7/4/91	12 <sup>45</sup>	✓		STMW-4	6	
						ONE VOA HAS 2mm BUBBLES	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Relinquished by: (Signature)	Date / Time	Received by: (Signature)
<i>[Signature]</i>		7/8/91 9 <sup>30</sup>	<i>[Signature]</i>		<i>[Signature]</i>	7/8/91 10	Colin Kolman
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks	
			<i>Colin Kolman</i>		07-89/10/20	N.T.A.	



# SOIL TECH ENGINEERING

Soil, Foundation and Geological Engineers

PROJ NO.		NAME				CON-TAINER	ANALYSES REQUESTED TPHG / RTE AX 8010 TPHD TO&G					REMARKS
8-90-418-ST		2351 Shoreline Dr. Alameda										
SAMPLERS (Signature) <i>N. Am...</i>												
NO	DATE	TIME	SOIL	WATER	LOCATION							
1	7/4/91	11 <sup>30</sup>		✓	STMW-1	6	✓	✓				
2	7/4/91	11 <sup>50</sup>		✓	STMW-2	6	✓	✓				
3	7/4/91	12 <sup>15</sup>		✓	STMW-3	8	✓	✓	✓	✓		
4	7/4/91	12 <sup>45</sup>		✓	STMW-4	6	✓	✓				
Relinquished by (Signature) <i>[Signature]</i>		Date / Time 7/8/91 9 <sup>30</sup>	Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature)		Date / Time	Received by: (Signature)				
Relinquished by (Signature)		Date / Time	Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)				
Relinquished by (Signature)		Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks N.T.A.						



**SOIL TECH ENGINEERING**  
Soil, Foundation and Geological Engineers

File No. 8-90-418-SI

A P P E N D I X "D"

SOIL TECH ENGINEERING, INC.

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CAAD00027920992536		Manifest Document No. 92536		2. Page 1 of 1		Information in the shaded areas is not required by Federal law					
3. Generator's Name and Mailing Address KAMUVE INDUSTRIES, INC. 2351 SHORLINE DR. ALAMEDA, CA.						A. State Manifest Document Number 90792536							
4. Generator's Phone 415 988 1055						B. State Generator's ID 94301							
5. Transporter 1 Company Name FRICKSON TRUCKING INC			6. US EPA ID Number CAAD00094461392			C. State Transporter's ID 205142		D. Transporter's Phone 415 235 1393					
7. Transporter 2 Company Name						E. State Transporter's ID							
9. Designated Facility Name and Site Address REFINERIES SERVICE 1531 N. HWY 33 PATERSON, CA 95363						10. US EPA ID Number CAAD00031166728							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		Waste No.	
a. R.O. NON-RCRA HAZARDOUS WASTE LIQUID N.O.S. ORM-E 9189 (BENZENE)						No. 0101		Type 11		1515		6. State 223 EPA/Other 2018	
c.												State EPA/Other	
d.												State EPA/Other	
J. Additional Descriptions for Materials Listed Above 0-60% WATER 0-50% CAS + DIESEL 0-5% USED MOTOR OIL 0-3% SAND, SILT, MUD						K. Handling Codes for Wastes Listed Above a. 01 P b. c. d.							
15. Special Handling Instructions and Additional Information EMERGENCY RESPONSE GUIDE NO. 31 24 HR. CONTACT - 415-2351393 FRICKSON OFFICE													
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 RICHARD MANLEY				Signature SIGN FOR GEN. Richard Manley				Month Day Year 10/8/1991					
17. Transporter 1 Acknowledgement/Receipt of Materials													
Printed/Typed Name JOHN DOUGLASS				Signature John Douglass				Month Day Year 10/8/1991					
18. Transporter 2 Acknowledgement/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					

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 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY