

TANK REMOVAL
AND
SOIL EXCAVATION REPORT

4-8-91

CAVANAUGH MOTORS
1700 Park Street
Alameda, California

Project No. 109001

April 8, 1991

prepared for

Cavanaugh Motors
1700 Park Road
Alameda, California 94501

prepared by

TMC Environmental Inc.
13908 San Pablo Avenue, Suite 101
San Pablo, California 94806

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for
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Cavanaugh Motors
Alameda, California

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TANK REMOVAL AND SOIL EXCAVATION REPORT

Cavanaugh Motors
1700 Park Street
Alameda, California

1.0 INTRODUCTION

TMC (TMC Environmental, Inc.) removed an underground waste oil tank then excavated waste oil saturated soil on the property located at 1700 Park Street in Alameda, California (see Plate 1, Site Vicinity Map), called the site in this report. The tasks completed during the tank removal and soil excavation agree with the guidelines of the local lead agency, the Alameda County Health Care Services Agency. We also followed guidelines from the chief State agency, the Bay Area Regional Water Quality Control Board located in Oakland, California. The investigation, reclamation, and reporting guidelines applicable to leaking underground fuel tanks, available through these agencies, apply to the site.

2.0 PURPOSE AND SCOPE OF WORK

The purpose of the work was to remove one 300-gallon, underground waste oil storage tank. Because of obvious soil contamination, we expanded the scope of work to include the excavation of soil surrounding the underground tank.

The scope of the work included: 1) removal of one 300 gallon underground waste oil tank; 2) sampling the soil below the former underground tank; 3) providing for the limited excavation of the contaminated soil associated with the tank; 4) the collection of soil samples from soil borings; 5) providing for the laboratory analyses of selected soil samples; and 5) this report explaining the methods and findings of the tank removal.

3.0 SITE DESCRIPTION AND HISTORY

The Cavanaugh Motors facility is in a commercial area of the city of Alameda, Alameda County, California. The site is at the intersection of Park Street and Buena Vista Avenue. Access to the facility is from both Park Street that borders the property on the northwest and Buena Vista Avenue that borders the property on the southwest. Drainage of the approximately level site is estimated to be northward toward the Inner Harbor waterway. The Inner Harbor connects San Leandro Bay and San Francisco Bay. On the site is a large building containing a showroom and auto repair shop with associated asphalt parking areas.

The site has been occupied by an auto dealership since the property was developed in 1948. Mr. William S. Bean, the first proprietor, owned the property from 1948 until 1981. In 1981, Mr. Bean sold the property to Dave and Lee Cavanaugh, the present owners. It was reported to TMC that two underground tanks were installed on the site in 1948, a 550 gallon gasoline storage tank and a 300 gallon waste oil storage tank. The 550 gallon unleaded gasoline tank was removed by Scott Corporation on December 15, 1989. The former gasoline tank is the subject of a separate ongoing investigation by TMC.

The 300 gallon waste oil storage tank was located beneath the six inch thick concrete floor inside the auto repair shop. The tank was adjacent to a hydraulic lift and the north wall of the building. A fill pipe of approximately four feet in length was connected to the south end of the tank. The tank pit excavation was back filled with sand.

4.0 TANK REMOVAL

The subject tank is a 300 gallon waste oil tank, see Plate 2, Site Map. On August 14, 1990, the tank and related lines were removed by TMC and Gene L. Failing Company personnel according to the TMC tank removal proposal dated July 23, 1990. Numerous corrosion holes were observed in the bottom of the tank. No holes were noted in the approximately four feet of remote fill piping above the tank. The tank removal was witnessed by Senior Hazardous Materials Specialist Katherine A. Chesick of the Alameda County Health Care Services Agency. When inerted, the tank was wrapped in plastic and transported by Erickson, Inc. to their transfer, storage, and disposal facility in Richmond, California. The hazardous waste manifests and permits are attached to this report.

5.0 SOIL SAMPLING BENEATH UNDERGROUND TANKS

On August 31, 1990, TMC personnel recovered one soil sample (designated SS1) from 18 inches below the center of the tank as shown on Plate 3, Soil Sampling Map. No water was observed in the tank pit during the tank removal. Grey-black-green stained soil with an oil-like odor surrounded the former tank location. The soil sampling was witnessed by Inspector Chesick. The soil sample was submitted to a State certified Laboratory, Anametrix, Inc. of San Jose, California for chemical analysis of total petroleum hydrocarbons (TPH) as gasoline and diesel with benzene, toluene, ethylbenzene, and xylenes (BTEX) distinction, total oil and grease;

the metals cadmium, chrome, lead, zinc, and nickel; EPA method 8010, and EPA method 8270.

6.0 RESULTS OF CHEMICAL ANALYSIS OF TANK SAMPLES

The laboratory analysis of the soil sample recovered from below the removed underground tank reported the following results:

Soil sample SS1 recovered 18 inches below the center of the tank contained 730 mg/Kg total petroleum hydrocarbons (TPH) as gasoline with 0.70 mg/Kg benzene, 16 mg/Kg toluene, 6.6 mg/Kg ethylbenzene, and 39 mg/Kg total xylenes; 6400 mg/Kg TPH as diesel; 20000 mg/Kg total oil and grease by standard method 503D; 17000 mg/Kg total oil and grease by standard method 503E; 0.25 mg/Kg cadmium, 31.6 mg/Kg total chrome, 24.0 mg/Kg nickel, 1040 mg/Kg lead, 111 mg/Kg zinc; 1.6 mg/Kg naphthalene, 1.5 mg/Kg 2-methylnaphthalene, 0.3 mg/Kg phenanthrene; and 22.0 mg/Kg methylene chloride, 59.0 mg/Kg chlorobenzene.

The certified analytical reports and chain of custody forms are attached to this report.

7.0 SOIL SAMPLING

On October 10, 1990, TMC personnel cored the concrete floor in five locations surrounding the former location of the underground waste oil tank. Five hand augured borings (designated B-1, B-2, B-3, B-4, and B-5) were drilled to a depth of 8½ feet below grade. The purpose of the sampling was to estimate the lateral extent of soil contamination prior to excavation. The borings encountered dark brown, sandy topsoil and fill to a depth of 36 inches below grade. From 36 to about 64 inches below grade was light brown, medium grained soft sand. From 64 to 96 inches below grade was a light brown, wet, clayey sand.

Selected soil samples from the borings were recovered for laboratory analysis of total petroleum hydrocarbons as diesel. Borings B-1, B-3, and B-5 encountered no noticeable staining or odor. These three borings appeared to be outside of the extent of soil contamination.

Boring B-2 encountered stained and odorous sand at a depth of five feet below grade. No samples were recovered from boring B-2 and the boring was abandoned. Boring B-5 was then located about ten

feet further out from the former tank location than boring B-2. No soil contamination was evident in boring B-5.

Boring B-4 did not contain any noticeable staining or odor. However, the ground water interface sample from 8-8½ feet contained 680 mg/Kg of total petroleum hydrocarbons of diesel as indicated by laboratory analysis. Boring B-4 was located beyond the building wall adjacent to the former tank location and down ground water gradient.

Four soil samples were analyzed for total petroleum hydrocarbons as diesel by Anametrix Inc. of San Jose, California. Total petroleum hydrocarbons as diesel was utilized as a target pollutant. The results of the chemical analysis is as follows:

Sample B-1 was recovered from sand at a depth of 7 to 7.5 feet below grade in boring number B-1. Laboratory analysis indicated no detectable total petroleum hydrocarbons as diesel. No staining or odor was noticeable in the sample.

Sample B-3 was recovered from sand at a depth of 8 to 8.5 feet below grade in boring number B-3. Laboratory analysis indicated no detectable total petroleum hydrocarbons as diesel. No staining or odor was noticeable in the sample.

Sample B-5 was recovered from sand at a depth of 8 to 8.5 feet below grade in boring number B-5. Laboratory analysis indicated no detectable total petroleum hydrocarbons as diesel. No staining or odor was noticeable in the sample.

Sample B-4 was recovered from sand at a depth of 8 to 8.5 feet below grade in boring number B-4. Laboratory analysis indicated 680 mg/Kg of total petroleum hydrocarbons as diesel. The certified analytical report indicates the concentration appears to represent a heavier petroleum product, possibly motor oil. No staining or odor was noticeable in the sample.

The certified analytical reports and chain of custody forms are attached to this report.

8.0 SOURCE REMOVAL BY EXCAVATION OF SOIL

On January 11, 1991, TMC Environmental, Inc. removed most of the waste oil contaminated soil by excavation with a backhoe. About

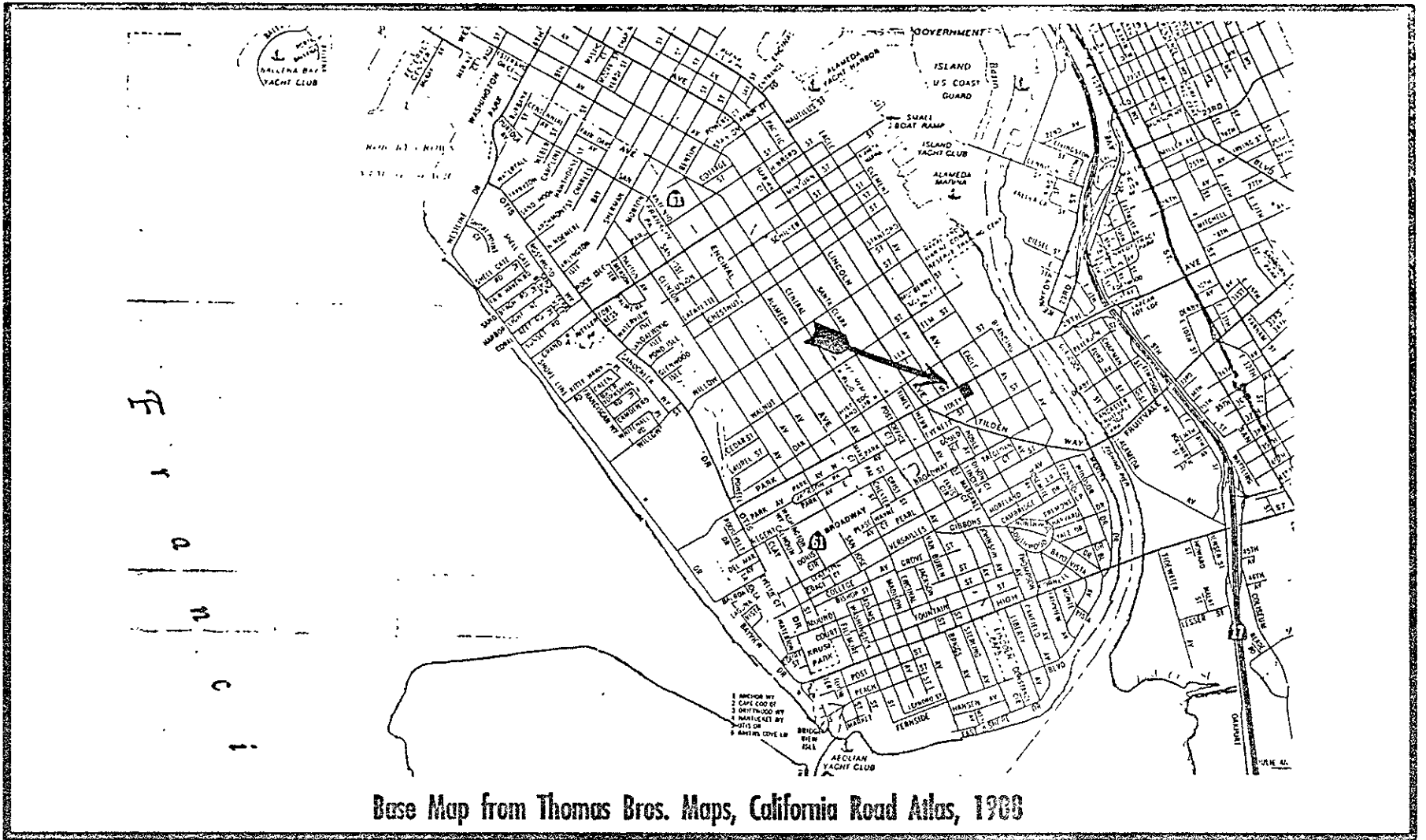
120 cubic yards of soil was excavated from around the former waste oil tank location. A portable hydrocarbon detector screened the excavated soil for hydrocarbon vapors. We stockpiled the waste oil contaminated soil on plastic sheeting and covered with same. The depth of the excavation was about thirteen feet below grade. Ground water was encountered in the excavation at a depth of about eight feet below grade.


The majority of waste oil contaminated soil was removed from surface grade to below the surface of the ground water and continuing to a depth of thirteen feet below grade. The lateral extent of the waste oil contamination was reached on three sides. Some waste oil contaminated soil remains under the adjacent building wall. Stained and odorous soil was still present at the bottom of the excavation at a depth of thirteen feet below grade.

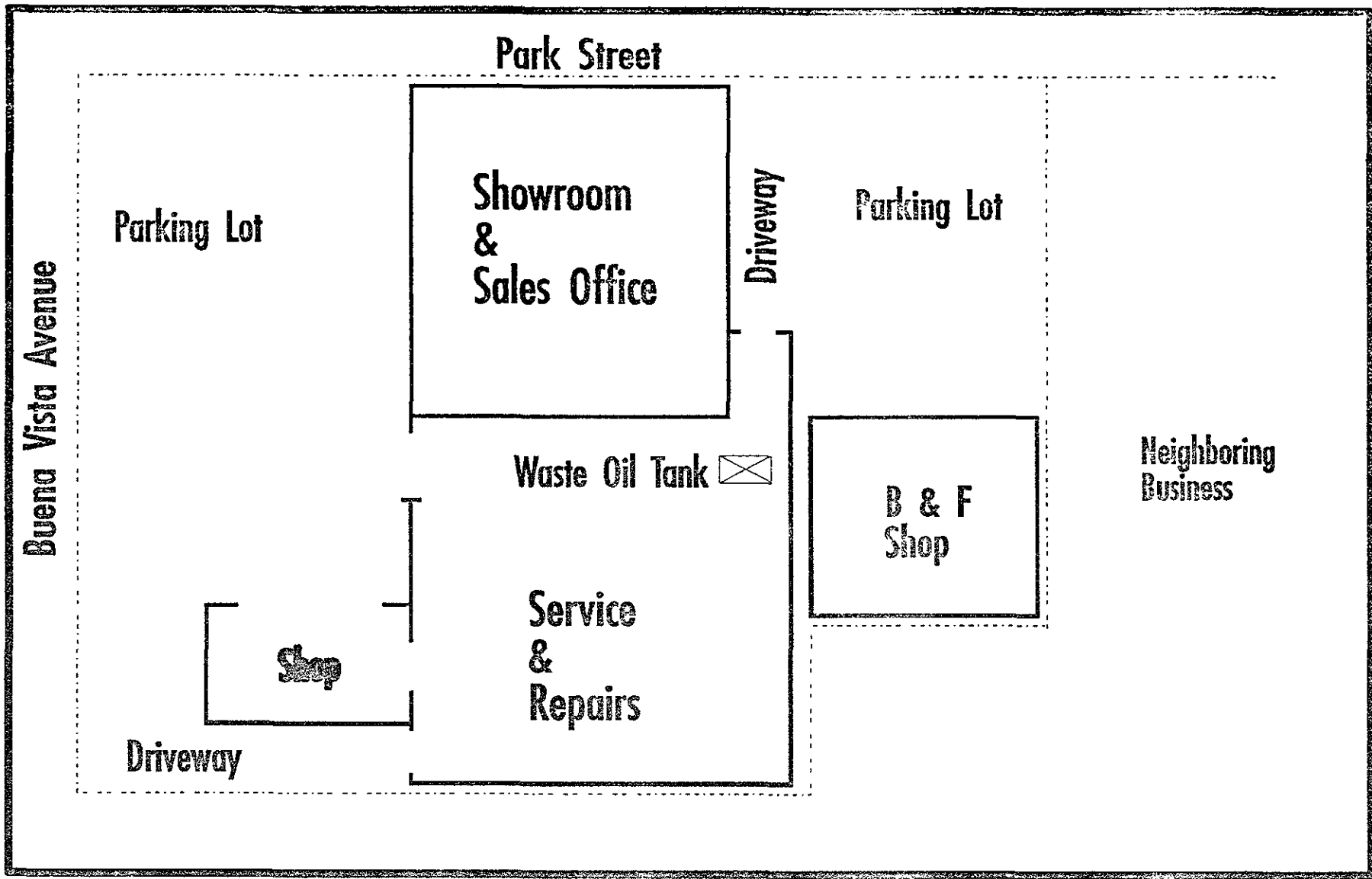
The excavation was back filled and compacted with 150 tons of clean, imported fill dirt. The area was resurfaced with six inches of concrete.

9.0 LIMITATIONS

The conclusions and professional opinions presented in this report agree with generally accepted practice as outlined in the guidelines of the California Regional Water Quality Control Board for addressing fuel leaks from underground tanks. The chemical analysis results are based on limited data collected at the sampling location only and such conditions may not necessarily apply to the general site as a whole, therefore TMC Environmental Inc. cannot have complete knowledge of the underlying conditions. The information supplied in this report is provided to the client in order that the client may make a more informed decision as to site conditions. The professional opinion and judgement expressed herein is subject to revisions in light of new information. No guarantees or warranties are expressed or implied that the property is or is not free of environmental impairment.



 <p>LEGEND</p> <p>Scale: 1 inch = 2200 feet</p>	<h2 style="text-align: center;">SITE VICINITY MAP</h2> <h3 style="text-align: center;">Cavanaugh Motors</h3> <p style="text-align: center;">1700 Park Street, Alameda, California</p>
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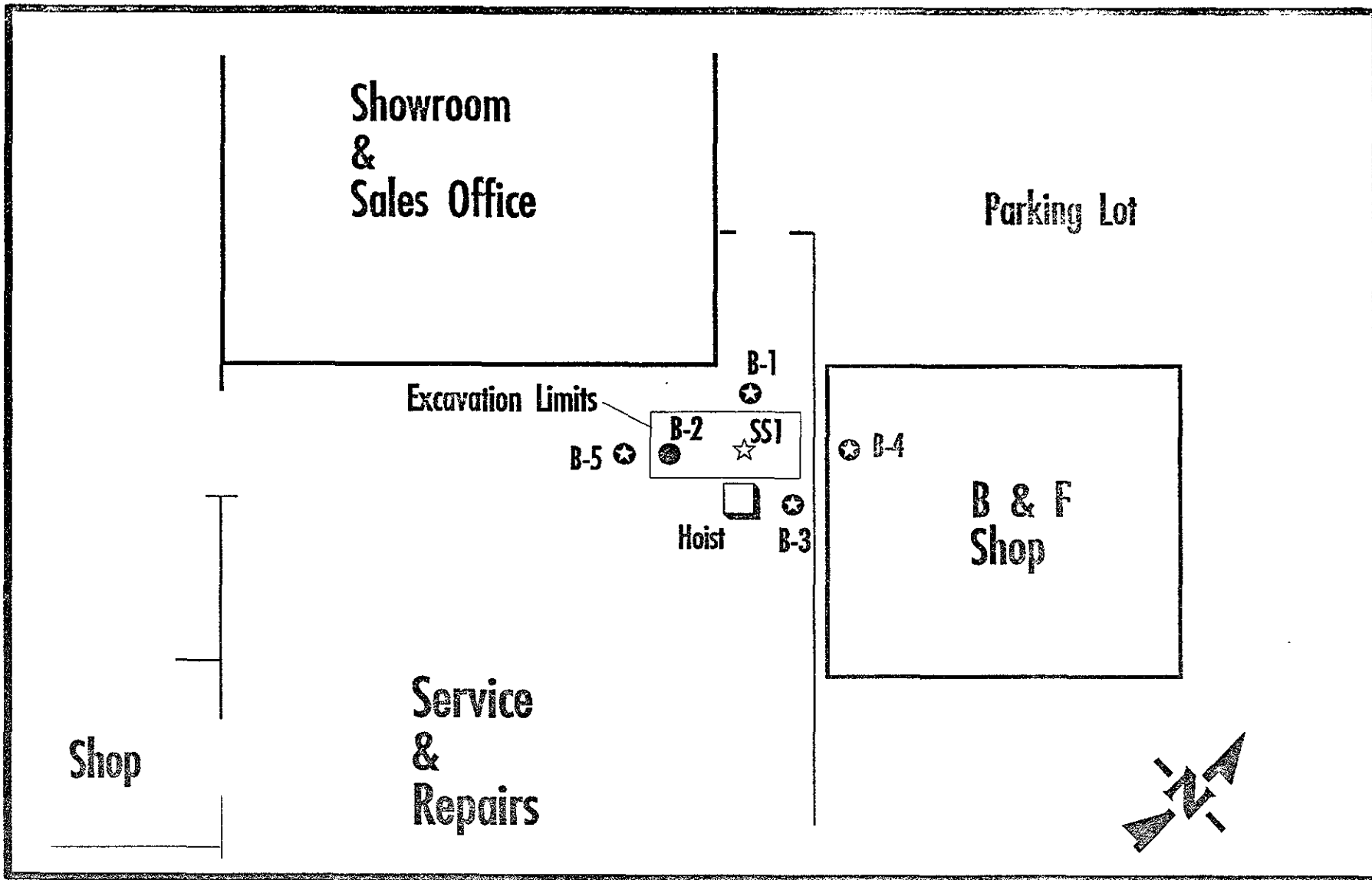


LEGEND

Scale: 1 inch = 30 feet
 Project No. 109001
 April 8, 1991

SITE MAP

Cavanaugh Motors
 1700 Park Street, Alameda California



LEGEND

- Boring without soil sample
- ⊙ Boring with soil sample
- ☆ Tank removal soil sample

Project No. 109001
 April 8, 1991
 Scale 1 inch = 20 feet

SAMPLING MAP

Cavanaugh Motors
 1700 Park Street, Alameda California

APPENDIX A
SAMPLING PROTOCOL

1.0 SOIL SAMPLES

1. The soil sampling will commence at a selected depths below surface grade. The samples will be taken at selected increments to the depth of the water-saturated zone estimated at 8 feet below grade. Soil sampling will adhere to the guidelines presented in ASTM Method D 1452-80, Standard Practice for Tank removal and soil excavations and Sampling by Auger Borings.

2. Soil sampler casings will be disassembled, steam-cleaned or cleaned in soapy (TSP) water, rinsed with clean tap water and finally rinsed with de-ionized water, and air-dried just prior to taking each sample. The cleaned casings will then be re-assembled with similarly cleaned and dried brass, sample liners and carefully lowered into the sampler for the collection of the sample.

3. The soils sample in the brass liner in the sampling casing (if in good condition) will be taken as the sample to be tested. The samples will be labeled and sealed in the field in their original liners. The ends of the sample liners will be capped with aluminum foil, and sealed in place by clean plastic caps and tape.

4. The cuttings from the borings will also be examined during the drilling to provide a continuous log of the materials encountered using ASTM Method D-2488-84 for visual description and identification of soils. The cuttings and the soils samples not retained for chemical analysis will be placed in 55-gallon drums or stockpiled on plastic until their chemical disposition is determined, and then appropriately disposed of.

5. All samples retained for chemical analysis will be stored on ice in a clean, covered cooler-box for transport to the laboratory. Duplicate samples will be refrigerated.

6. The center core material will be extracted from the samples liners in the laboratory for chemical testing.

2.0 SAMPLE RECORDS AND CHAIN OF CUSTODY

1. Sample records for each sample will contain information on sample type and source; sampling date; location; significant conditions that may impact the sampling; laboratory name; and sampling method.

2. A chain of positive, signature custody and transference will be strictly maintained at all times.

3. A hard copy of the laboratory sample results and the completed chain of custody will be provided with the technical report.



MR. TOM EDWARDS
 TMC ENVIRONMENTAL
 13908 SAN PABLO AVE
 SAN PABLO, CA 94806

Workorder # : 9009006
 Date Received : 09/04/90
 Project ID : 109001
 Purchase Order: N/A

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

ANAMETRIX ID	CLIENT SAMPLE ID
9009006- 1	SS-1

This report is paginated for your convenience and ease of review. It contains 15 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anamatrix. The Report Summary that precedes each section will help you determine which group at Anamatrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

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.

Paul Sutherland
 Burt Sutherland
 Laboratory Director

09-24-90
 Date

ANAMETRIX REPORT DESCRIPTION

GCMS

Organic Analysis Data Sheets (OADS)

OADS forms contain tabulated results for target compounds. The OADS are grouped by method and, within each method, organized sequentially in order of increasing Anamatrix ID number.

Tentatively Identified Compounds (TICs)

TIC forms contain tabulated results for non-target compounds detected in GC/MS analyses. TICs must be requested at the time samples are submitted at Anamatrix. TIC forms immediately follow the OADS form for each sample. If TICs are requested but not found, then TIC forms will not be included with the report.

Surrogate Recovery Summary (SRS)

SRS forms contain quality assurance data. An SRS form will be printed for each method, if the method requires surrogate compounds. They will list surrogate percent recoveries for all samples and any method blanks. Any surrogate recovery outside the established limits will be flagged with an "*", and the total number of surrogates outside the limits will be listed in the column labelled "Total Out".

Matrix Spike Recovery Form (MSR)

MSR forms contain quality assurance data. They summarize percent recovery and relative percent difference information for matrix spikes and matrix spike duplicates. This information is a statement of both accuracy and precision. Any percent recovery or relative percent difference outside established limits will be flagged with an "*", and the total number outside the limits will be listed at the bottom of the page. Not all reports will contain an MSR form.

Qualifiers

Anamatrix uses several data qualifiers (Q) in its report forms. These qualifiers give additional information on the compounds reported. They should help a data reviewer to verify the integrity of the analytical results. The following is a list of qualifiers and their meanings:

- U - Indicates that the compound was analyzed for, but was not detected at or above the specified reporting limit.
- B - Indicates that the compound was detected in the associated method blank.
- J - Indicates that the compound was detected at an amount below the specified reporting limit. Consequently, the amount should be considered an approximate value. Tentatively identified compounds will always have a "J" qualifier because they are not included in the instrument calibration.
- E - Indicates that the amount reported exceeded the linear range of the instrument calibration.
- D - Indicates that the compound was detected in an analysis performed at a secondary dilution.
- A - Indicates that the tentatively identified compound is a suspected aldol condensation product. This is common in EPA Method 8270 soil analyses.

Absence of a qualifier indicates that the compound was detected at a concentration at or above the specified reporting limit.

REPORTING CONVENTIONS

- ◆ Due to a size limitation in our data processing step, only the first eight (8) characters of your project ID and sample ID will be printed on the report forms. However, the report cover letter and report summary pages display up to twenty (20) characters of your project and sample IDs.
- ◆ Amounts reported are gross values, i.e., not corrected for method blank contamination.

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	8270

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- A surrogate recovery was outside established limits in the EPA method 8270 analysis of sample SS-1, probably due to a matrix interference from heavy hydrocarbons. A surrogate was also outside established limits in the method blank.
- PCBs and creosote were scanned for but were not detected in the EPA method 8270 analysis of sample SS-1. The approximate detection limit for these compounds is 1700 ppb.

Paul Howan
Department Supervisor

9-24-90
Date

Samuel M. M... 9.24.90
Chemist Date

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 109001
Sample ID : SS-1
Matrix : SOIL
Date Sampled : 8/31/90
Date Extracted : 9/ 7/90
Amount Extracted : 30.0 g
Date Analyzed : 9/19/90
Instrument ID : F2

Anamatrix ID : 9009006-01
Analyst : UM
Supervisor : PG

Dilution Factor : 1.00
Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS (2-CHLOROETHYL) ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS (2-CHLOROISOPROPYL) ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS (2-CHLOROETHOXY) METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	1600.	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	1500.	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 109001
 Sample ID : SS-1
 Matrix : SOIL
 Date Sampled : 8/31/90
 Date Extracted : 9/ 7/90
 Amount Extracted : 30.0 g
 Date Analyzed : 9/19/90
 Instrument ID : F2

Anamatrix ID : 9009006-01
 Analyst : LM
 Supervisor : PG

Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLEETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLEETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	300.	J
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO (A) ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO (B) FLUOROANTHENE	330.	ND	U
207-08-9	BENZO (K) FLUOROANTHENE	330.	ND	U
50-32-8	BENZO (A) PYRENE	330.	ND	U
193-39-5	INDENO (1,2,3-CD) PYRENE	330.	ND	U
53-70-3	DIBENZ [A, H] ANTHRACENE	330.	ND	U
191-24-2	BENZO (G, H, I) PERYLENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
 ANAMETRIX, INC. (408)432-8192

Project ID :
 Sample ID : BLANK
 Matrix : SOIL
 Date Sampled : 0/ 0/ 0
 Date Extracted : 9/ 7/90
 Amount Extracted : 30.0 g
 Date Analyzed : 9/19/90
 Instrument ID : F2

Anamatrix ID : 2CB0907C03
 Analyst : CM
 Supervisor : PG

Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROETHYL) ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
108-60-1	BIS(2-CHLOROISOPROPYL) ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
105-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
65-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBUTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
88-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	1700.	ND	U
91-58-7	2-CHLORONAPHTHALENE	330.	ND	U
88-74-4	2-NITROANILINE	1700.	ND	U
131-11-3	DIMETHYLPHTHALATE	330.	ND	U
208-96-8	ACENAPHTHYLENE	330.	ND	U
606-20-2	2,6-DINITROTOLUENE	330.	ND	U

ORGANIC ANALYSIS DATA SHEET -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID :
 Sample ID : BLANK
 Matrix : SOIL
 Date Sampled : 0/ 0/ 0
 Date Extracted : 9/ 7/90
 Amount Extracted : 30.0 g
 Date Analyzed : 9/19/90
 Instrument ID : F2

Anamatrix ID : 2CB0907C03
 Analyst : *UY*
 Supervisor : *PG*

Dilution Factor : 1.00
 Conc. Units : ug/Kg

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHER	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHER	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHENE	330.	ND	U
207-08-9	BENZO(K)FLUOROANTHENE	330.	ND	U
50-32-8	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ[A,H]ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U

SURROGATE RECOVERY SUMMARY -- EPA METHOD 625/8270
ANAMETRIX, INC. (408)432-8192

Project ID : 109001
Matrix : SOIL

Anamatrix ID : 9009006
Analyst : *M*
Supervisor : *PG*

	SAMPLE ID	SU1	SU2	SU3	SU4	SU5	SU6	TOTAL OUT
3	BLANK	89 *	83	52	52	44	21	1
4	SS-1	18	15 *	24	11 *	62	5 *	3
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

QC LIMITS

SU1 = 2-FLUOROPHENOL	(15- 83)
SU2 = PHENOL-D5	(18- 92)
SU3 = NITROBENZENE-D5	(12- 80)
SU4 = 2-FLUOROBIPHENYL	(16-100)
SU5 = 2,4,6-TRIBROMOPHENOL	(15-135)
SU6 = TERPHENYL-D14	(15-117)

* Values outside of Anamatrix QC limits

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	8010

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Corinne Khan 09-19-90
Department Supervisor Date

M. Hessein 09-19-90
Chemist Date

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

Sample I.D. : 109001 SS-1
Matrix : SOIL
Date sampled : 08/31/90
Date analyzed: 09/13/90
Dilution : 2000

Anametrix I.D. : 9009006-01
Analyst : *mt*
Supervisor : *CP*
Date released : 09/18/90
Instrument ID : HP15

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	2000	ND
74-83-9	* Bromomethane	1000	ND
75-71-8	* Dichlorodifluoromethane	2000	ND
75-01-4	* Vinyl Chloride	1000	ND
75-00-3	* Chloroethane	1000	ND
75-09-2	* Methylene Chloride	1000	22000
79-69-4	* Trichlorofluoromethane	1000	ND
75-35-4	* 1,1-Dichloroethene	1000	ND
75-34-3	* 1,1-Dichloroethane	1000	ND
156-59-2	# Cis-1,2-Dichloroethene	1000	ND
156-60-5	* Trans-1,2-Dichloroethene	1000	ND
67-66-3	* Chloroform	1000	ND
76-13-1	# Trichlorotrifluoroethane	1000	ND
107-06-2	* 1,2-Dichloroethane	1000	ND
71-55-6	* 1,1,1-Trichloroethane	1000	ND
56-23-5	* Carbon Tetrachloride	1000	ND
75-27-4	* Bromodichloromethane	1000	ND
78-87-5	* 1,2-Dichloropropane	1000	ND
10061-02-6	* Trans-1,3-Dichloropropene	1000	ND
79-01-6	* Trichloroethene	1000	ND
124-48-1	* Dibromochloromethane	1000	ND
79-00-5	* 1,1,2-Trichloroethane	1000	ND
10061-01-5	* cis-1,3-Dichloropropene	1000	ND
110-75-8	* 2-Chloroethylvinylether	2000	ND
75-25-2	* Bromoform	1000	ND
127-18-4	* Tetrachloroethene	1000	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	1000	ND
108-90-7	* Chlorobenzene	1000	59000
541-73-1	* 1,3-Dichlorobenzene	2000	ND
95-50-1	* 1,2-Dichlorobenzene	2000	ND
106-46-7	* 1,4-Dichlorobenzene	2000	ND
	% Surrogate Recovery	33-134%	121%

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.

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	TPHd
9009006- 1	SS-1	SOIL	08/31/90	TPHg/BTEX

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for workorder.

Charles Biemer 9/18/90
Department Supervisor Date

Harold Vogt 9/18/90
Chemist Date

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

Anamatrix W.O.#: 9009006
 Matrix : SOIL
 Date Sampled : 08/31/90

Project Number : 109001
 Date Released : 09/18/90

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# SS1	Sample I.D.# 04B0910A
Benzene	0.005	0.70	ND
Toluene	0.005	16	ND
Ethylbenzene	0.005	6.6	ND
Total Xylenes	0.005	39	ND
TPH as Gasoline	0.5	730	ND
% Surrogate Rec.		119%	89%
Instrument #		HP4	HP4
Date Analyzed		09/11/90	09/10/90
RLMF		100	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 8020.
- RLMF - Reporting Limit Multiplication Factor.

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

Heath Vogt 9/10/90
 Analyst Date

Charles Coleman 9/18/90
 Supervisor Date

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

Anamatrix W.O.#: 9009006
 Matrix : SOIL
 Date Sampled : 08/31/90
 Date Extracted : 09/07/90

Client Project# : 109001
 Date released : 09/18/90
 Instrument I.D. : HP19

Anamatrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009006-01	SS-1	09/14/90	10	6400
DSBL090790	METHOD BLANK	09/14/90	10	ND

ND - Not detected at or above the practical quantitation limit for the method.
 TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

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

Lin Fern 10.5.90
 Analyst Date

Cheryl Balmer 10/5/90
 Supervisor Date

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	503D
9009006- 1	SS-1	SOIL	08/31/90	503E

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Q. B. Roberts
Department Supervisor

Sept, 18th 1990
Date

Mario E. Sanchez
Chemist

9/18/90
Date

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

Project # : 109001
Matrix : SOIL
Date sampled : 08/31/90
Date ext. TOG: 09/10/90
Date anl. TOG: 09/10/90

Anamatrix I.D. : 9009006
Analyst : *mg*
Supervisor : *(signature)*
Date released : 09/18/90

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009006-01	SS-1	30	20000

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

TOG - Total Oil & Grease is determined by Standard Method 503D.

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

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

Project # : 109001
Matrix : SOIL
Date sampled : 08/31/90
Date ext. TOG: 09/10/90
Date anl. TOG: 09/10/90

Anamatrix I.D. : 9009006
Analyst : *MG*
Supervisor : *(Signature)*
Date released : 09/18/90

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009006-01	SS-1	30	17000

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

TOG - Total Oil & Grease is determined by Standard Method 503E.

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

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	6010

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- Spikes for chromium and zinc are outside of control limits due to variable contributions from the sample.

Sinal Schoen 09-24-90
Department Supervisor Date

Manny Lopez 9/17/90
Chemist Date

ANALYSIS DATA SHEET - INDIVIDUAL METALS
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix I.D.: 9009006
 Matrix : SOIL
 Date Sampled : 08/31/90
 Project Number: 109001

Date Prepared : 09/11/90
 Date Analyzed : 09/13/90
 Date Released : 09/17/90
 Instrument I.D.: ICP1

	EPA Method#	Reporting Limit	Sample I.D.# SS-1	Sample I.D.# BLANK
ELEMENTS		(mg/Kg)	-01	MB0911S
Cadmium (Cd)	6010	0.25	0.25	ND
Total Cr	6010	0.5	31.6	ND
Nickel (Ni)	6010	2.0	24.0	ND
Lead (Pb)	6010	2.0	1040	ND
Zinc (Zn)	6010	1.0	111	ND

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

All Metals by EPA Method 6010/7000, Test Methods for Evaluating Solid Waste, SW-846 3rd Edition November 1986.

Wanna... 9/17/90
 Chemist Date

Oleg Kenderok 09-17-90
 Chemist Date

ANAMETRIX, INC.
 1961 CONCOURSE DRIVE, SUITE E
 SAN JOSE, CA 95131, (408) 432-8192

 INDIVIDUAL METALS METHOD SPIKE REPORT

Spike I.D. : 9009006-01MS,MD
 Date Prepared: 09/11/90
 Date Analyzed: 09/13/90
 Assoc. WO # : 9009006
 Inst. ID: ICP1
 Date : 09/17/90
 Matrix : SOIL
 Units : mg/Kg

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.	M S CONC.	% REC	M S D CONC.	% REC	R P D
Cd	6010	2.5	0.27	2.7	98.6	2.8	101	2.4
Ttl Cr	6010	10.0	31.6	39.3	77.0	38.4	68.0	12.4
Ni	6010	25.0	24.0	48.7	98.8	50.9	108	8.5
Pb	6010	25.0	1040	1110	280	1420	1520	138
Zn	6010	25.0	111	143	128	157	184	35.9

=====
 COMMENT: Quality control limits for percent recovery are 75-125%
 and 25% for RPD.

Manny Garcia 9/17/90
 Chemist Date

Oleg Kowchenko 09-17-90
 Chemist Date

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	8010

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Corinne Khan 09-19-90
Department Supervisor Date

M. Hessein 09-19-90
Chemist Date

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

Sample I.D. : 109001 SS-1
 Matrix : SOIL
 Date sampled : 08/31/90
 Date analyzed: 09/13/90
 Dilution : 2000

Anamatrix I.D. : 9009006-01
 Analyst : *CP*
 Supervisor : *CP*
 Date released : 09/18/90
 Instrument ID : HP15

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	2000	ND
74-83-9	* Bromomethane	1000	ND
75-71-8	* Dichlorodifluoromethane	2000	ND
75-01-4	* Vinyl Chloride	1000	ND
75-00-3	* Chloroethane	1000	ND
75-09-2	* Methylene Chloride	1000	22000
79-69-4	* Trichlorofluoromethane	1000	ND
75-35-4	* 1,1-Dichloroethene	1000	ND
75-34-3	* 1,1-Dichloroethane	1000	ND
156-59-2	# Cis-1,2-Dichloroethene	1000	ND
156-60-5	* Trans-1,2-Dichloroethene	1000	ND
67-66-3	* Chloroform	1000	ND
76-13-1	# Trichlorotrifluoroethane	1000	ND
107-06-2	* 1,2-Dichloroethane	1000	ND
71-55-6	* 1,1,1-Trichloroethane	1000	ND
56-23-5	* Carbon Tetrachloride	1000	ND
75-27-4	* Bromodichloromethane	1000	ND
78-87-5	* 1,2-Dichloropropane	1000	ND
10061-02-6	* Trans-1,3-Dichloropropene	1000	ND
79-01-6	* Trichloroethene	1000	ND
124-48-1	* Dibromochloromethane	1000	ND
79-00-5	* 1,1,2-Trichloroethane	1000	ND
10061-01-5	* cis-1,3-Dichloropropene	1000	ND
110-75-8	* 2-Chloroethylvinylether	2000	ND
75-25-2	* Bromoform	1000	ND
127-18-4	* Tetrachloroethene	1000	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	1000	ND
108-90-7	* Chlorobenzene	1000	59000
541-73-1	* 1,3-Dichlorobenzene	2000	ND
95-50-1	* 1,2-Dichlorobenzene	2000	ND
106-46-7	* 1,4-Dichlorobenzene	2000	ND
% Surrogate Recovery		33-134%	121%

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.

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	TPHd
9009006- 1	SS-1	SOIL	08/31/90	TPHg/BTEX

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for workorder.

Cheryl Bremer 9/15/90
Department Supervisor Date

Harsh Vajr 9/18/90
Chemist Date

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

Anamatrix W.O.#: 9009006
Matrix : SOIL
Date Sampled : 08/31/90

Project Number : 109001
Date Released : 09/18/90

COMPOUNDS	Reporting Limit (mg/Kg)	Sample I.D.# SS1	Sample I.D.# 04B0910A
Benzene	0.005	0.70	ND
Toluene	0.005	16	ND
Ethylbenzene	0.005	6.6	ND
Total Xylenes	0.005	39	ND
TPH as Gasoline	0.5	730	ND
% Surrogate Rec.		119%	89%
Instrument #		HP4	HP4
Date Analyzed		09/11/90	09/10/90
RLMF		100	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 8020.
 RLMF - Reporting Limit Multiplication Factor.

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

Heath Vogt 9/10/90
Analyst Date

Charles Emerson 9/18/90
Supervisor Date

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

Anametrix W.O.#: 9009006
 Matrix : SOIL
 Date Sampled : 08/31/90
 Date Extracted : 09/07/90

Client Project# : 109001
 Date released : 09/18/90
 Instrument I.D. : HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009006-01	SS-1	09/14/90	6400	ND
DSBL090790	METHOD BLANK	09/14/90	10	ND

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

TPhd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following either EPA Method 3510 or 3550.

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

Heath Trough 9/18/90
 Analyst Date

Charles Balmer 9/18/90
 Supervisor Date

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	503D
9009006- 1	SS-1	SOIL	08/31/90	503E

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.


Department Supervisor

Sept, 18th 1990
Date

Maria E. Durso 9/18/90
Chemist Date

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

Project # : 109001
Matrix : SOIL
Date sampled : 08/31/90
Date ext. TOG: 09/10/90
Date anl. TOG: 09/10/90

Anamatrix I.D. : 9009006
Analyst : *MG*
Supervisor : *(signature)*
Date released : 09/18/90

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009006-01	SS-1	30	17000

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

TOG - Total Oil & Grease is determined by Standard Method 503E.

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

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

Project # : 109001
Matrix : SOIL
Date sampled : 08/31/90
Date ext. TOG: 09/10/90
Date anl. TOG: 09/10/90

Anamatrix I.D. : 9009006
Analyst : MB
Supervisor : (MB)
Date released : 09/18/90

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9009006-01	SS-1	30	20000

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

TOG - Total Oil & Grease is determined by Standard Method 503D.

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

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9009006- 1	SS-1	SOIL	08/31/90	6010

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

MR. TOM EDWARDS
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9009006
Date Received : 09/04/90
Project ID : 109001
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- Spikes for chromium and zinc are outside of control limits due to variable contributions from the sample.

Department Supervisor Date

Mary Rogers 9/17/90

Chemist Date

ANALYSIS DATA SHEET - INDIVIDUAL METALS
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix I.D.: 9009006
 Matrix : SOIL
 Date Sampled : 08/31/90
 Project Number: 109001

Date Prepared : 09/11/90
 Date Analyzed : 09/13/90
 Date Released : 09/17/90
 Instrument I.D.: ICP1

	EPA Method#	Reporting Limit	Sample I.D.# SS-1	Sample I.D.# BLANK
ELEMENTS		(mg/Kg)	-01	MB0911S
Cadmium (Cd)	6010	0.25	0.25	ND
Total Cr	6010	0.5	31.6	ND
Nickel (Ni)	6010	2.0	24.0	ND
Lead (Pb)	6010	2.0	1040	ND
Zinc (Zn)	6010	1.0	111	ND

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

All Metals by EPA Method 6010/7000, Test Methods for Evaluating Solid Waste, SW-846 3rd Edition November 1986.

Travis Sawyer 9/17/90
 Chemist Date

Oleg Mendonok 09-17-90
 Chemist Date

ANAMETRIX, INC.
 1961 CONCOURSE DRIVE, SUITE E
 SAN JOSE, CA 95131, (408) 432-8192

 INDIVIDUAL METALS METHOD SPIKE REPORT

Spike I.D. : 9009006-01MS,MD
 Date Prepared: 09/11/90
 Date Analyzed: 09/13/90
 Assoc. WO # : 9009006

Inst. ID: ICP1
 Date : 09/17/90
 Matrix : SOIL
 Units : mg/Kg

ELEMENTS	METHOD	SPIKE AMOUNT	SAMPLE CONC.	M S CONC.	% REC	M S D CONC.	% REC	R P D
Cd	6010	2.5	0.27	2.7	98.6	2.8	101	2.4
Tl	6010	10.0	31.6	39.3	77.0	38.4	68.0	12.4
Ni	6010	25.0	24.0	48.7	98.8	50.9	108	8.5
Pb	6010	25.0	1040	1110	280	1420	1520	138
Zn	6010	25.0	111	143	128	157	184	35.9

=====
 COMMENT: Quality control limits for percent recovery are 75-125%
 and 25% for RPD.

Manny Gouyon 9/17/90
 Chemist Date

Oleg Kevchenok 09-17-90
 Chemist Date

9009006

CHAIN OF CUSTODY

PROJECT NO. 109001

SAMPLERS (Signature)

ANALYSIS REQUESTED

PROJECT NAME AND ADDRESS: Channahon Motors
1200 Park St. Alameda Ca.

IPK as Dietel & Sons
BTEX
Total Oil & Grease
5500 PPF
8270 + PCB, PPA, PNA
Metals Cd, Cr, Pb, Zn, Ni
SOLO or less

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	ANALYSIS REQUESTED						REMARKS
55-1	8/31/90	1045	✓		Under Bottom	X	X	X	X	X	X	With 8270 look For PCB, PPA, PNA Grease Standard Turn in Analyzer

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE 9-4-90 TIME 1100	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE 9-4-90 TIME 1100
RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE 9-7-90 TIME 1215	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE 09-04-90 TIME 1215
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVED BY: (Signature)	DATE TIME

ANAMETRIX INC

Environmental & Analytical Chemistry
1501 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8112 • Fax (408) 432-6198



REPORT

MR. MARK YOUNGKIN
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9010181
Date Received : 10/12/90
Project ID : CAVINAUGH
Purchase Order: N/A

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

ANAMETRIX ID	CLIENT SAMPLE ID
9010181- 1	B1, 7-7.5
9010181- 2	B3, 8-8.5
9010181- 3	B4, 8-8.5
9010181- 4	B5, 8-8.5

This report is paginated for your convenience and ease of review. It contains 6 pages excluding the cover letter. The report is organized into sections. Each section contains all analytical results and quality assurance data related to a specific group or section within Anamatrix. The Report Summary that precedes each section will help you determine which group at Anamatrix generated the data. The Report Summary will contain the signatures of the department supervisor and a chemist, both of whom reviewed the analytical data. Please refer all questions to the department supervisor that signed the form.

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.



Burt Sutherland
Laboratory Director

10-31-90
Date

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

MR. MARK YOUNGKIN
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9010181
Date Received : 10/12/90
Project ID : CAVINAUGH
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9010181- 1	B1, 7-7.5	SOIL	10/10/90	TPHd
9010181- 2	B3, 8-8.5	SOIL	10/10/90	TPHd
9010181- 3	B4, 8-8.5	SOIL	10/10/90	TPHd
9010181- 4	B5, 8-8.5	SOIL	10/10/90	TPHd

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

MR. MARK YOUNGKIN
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9010181
Date Received : 10/12/90
Project ID : CAVINAUGH
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- 1) Concentration reported as TPHd for sample B4, 8-8.5 appears to be due to a heavier petroleum product, possibly motor oil.
- 2) Samples were extracted past the fourteen day hold time for TPHd.

Charles Bueman 10/31/90
Department Supervisor Date

Steve Jenkins 10-31-90
Chemist Date

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

Anametrix W.O.: 9010181
Matrix : SOIL
Date Sampled : 10/10/90
Date Extracted: 10/25/90

Project Number : CAVINAUGH
Date released : 10/30/90
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9010181-01	B1, 7-7.5	10/26/90	10	ND
9010181-02	B3, 8-8.5	10/26/90	10	ND
9010181-03	B4, 8-8.5	10/26/90	10	680
9010181-04	B5, 8-8.5	10/26/90	10	ND
DSBL102590	METHOD BLANK	10/26/90	10	ND

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.

Joseph Yussif 10-31-90
Analyst Date

Charles Beaman 10/30/90
Supervisor Date

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

MR. MARK YOUNGKIN
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

Workorder # : 9010181
Date Received : 10/12/90
Project ID : CAVINAUGH
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9010181- 1	B1, 7-7.5	SOIL	10/10/90	5520EF
9010181- 2	B3, 8-8.5	SOIL	10/10/90	5520EF
9010181- 3	B4, 8-8.5	SOIL	10/10/90	5520EF
9010181- 4	B5, 8-8.5	SOIL	10/10/90	5520EF

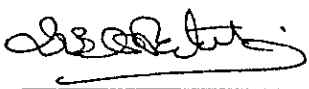
REPORT SUMMARY.
ANAMETRIX, INC. (408)432-8192

MR. MARK YOUNGKIN
TMC ENVIRONMENTAL
13908 SAN PABLO AVE
SAN PABLO, CA 94806

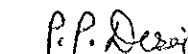
Workorder # : 9010181
Date Received : 10/12/90
Project ID : CAVINAUGH
Purchase Order: N/A
Department : PREP
Sub-Department: PREP

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.



Department Supervisor oct, 31st 1990. Date



Chemist 10/31/90 Date

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

Project # : CAVINAUGH	Anamatrix I.D. : 9010181
Matrix : SOIL	Analyst : PD
Date sampled : 10/10/90	Supervisor : CP
Date ext. TOG: 10/26/90	Date released : 10/30/90
Date anl. TOG: 10/26/90	

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9010181-01	B1, 7-7.5	30	ND
9010181-02	B3, 8-8.5	30	ND
9010181-03	B4, 8-8.5	30	710
9010181-04	B5, 8-8.5	30	ND
GSBL102690	METHOD BLANK	30	ND

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

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

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

77.10 9010181 CHAIN OF CUSTODY

SUBJECT NO. _____ SAMPLERS (Signature) *Mark Youngkin*

ANALYSIS REQUESTED
*Petroleum Oil & Grease
 TPH AS Diesel*

PROJECT NAME AND ADDRESS: CAUNAUGH
 ALAMEDA, CA

CROSS REFERENCE NUMBER	DATE	TIME	SOIL	WATER	STATION LOCATION	ANALYSIS REQUESTED	REMARKS
01	10/10/90	12:45p	X		B1, 7-7½'	X X	
	10/10/90				B2, No Sample	VOID	
02	10/10/90	2:30p	X		B3, 8-8½'	X X	
03	10/10/90	1:20p	X		B4, 8-8½'	X X	
04	10/10/90	2:45p	X		B5, 8-8½'	X X	
	10/10/90				B6, No Sample	VOID	

ACQUIRED BY: (Signature) <i>Mark Youngkin</i>	DATE <u>10-11-90</u> TIME <u>1600</u>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE <u>10-11-90</u> TIME <u>1600</u>
ACQUIRED BY: (Signature) <i>[Signature]</i>	DATE <u>10-11-90</u> TIME <u>1215</u>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE <u>10-12-90</u> TIME <u>1215</u>
ACQUIRED BY: (Signature) <i>[Signature]</i>	DATE <u>10-12-90</u> TIME <u>1355</u>	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE <u>10-12-90</u> TIME <u>17:05</u>
ACQUIRED BY: (Signature) _____	DATE _____ TIME _____	RECEIVED BY: (Signature) _____	DATE _____ TIME _____

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Cavanaugh Motors
Business Owner Dave and Lee cavanaugh
2. Site Address 1700 park street
City Alameda Zip 94501 Phone 415-523-5246
3. Mailing Address Same as Above
City _____ Zip _____ Phone _____
4. Land Owner Dave and Lee Cavanaugh
Address Same as Above City, State _____ Zip _____
5. EPA I.D. No. _____
6. Contractor Gene L. Failing
Address 3924 Middletown Ct.
City Campbeel, California Zip 95008 Phone 408-246-4217
License Type "A", Hazmat ID# A-488826
7. Consultant TMC Environmental, Inc.
Address 13908 san pablo Ave.,
City San pablo, California Phone 415-232-8366

8. Contact Person for Investigation

Name Tom Edwards Title President

Phone 415-232-8366

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office?
Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Erickson, Inc. EPA I.D. No. CAD 009 466 392

Address 255 parr Blvd.

City Richmond State CA Zip 94801

b) Rinsate Transporter

Name Same EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

c) Tank Transporter

Name Same EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

d) Tank Disposal Site

Name Same EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

e) Contaminated Soil Transporter

Name _____ EPA I.D. No. _____

Address _____

City _____ State _____ Zip _____

12. Sample Collector

Name Chris Nielson-Cerquone
 Company TMC Environmental, Inc.
 Address 13908 San pablo Ave.
 City San pablo State CA Zip 94806 Phone 415-232-8366

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
300 g.	Waste Oil	Soil	Center, 1.5' below tank

14. Have tanks or pipes leaked in the past? Yes [] No []

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes [] No []

If yes, describe. Minimum 20 lbs. dry ice per 1,000 gallon tank 4 hours prior to removal. Verify less than 10% LEL and oxygen prior to removal and transport. LEL and oxygen content will be measured with An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Anametrix, Inc.
 Address 1961 concourse Dr., Suite E
 City San jose State CA Zip 95131
 State Certification No. 151

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TPH as gas		GCFID (5030)
TPH as diesel		" "
BTEX		EPA 8020
Halo. org.		EPA 8010
Oil & Grease		EPA 503 D

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [] No []

Copy of Certificate enclosed? Yes [] No []

Name of Insurer American States Insurance

20. Plot Plan submitted? Yes [] No []

21. Deposit enclosed? Yes [] No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Gene L. Failing
Signature *Gene L. Failing*
Date 8-17-90

Signature of Site Owner or Operator

Name (please type) ~~Dave~~ Cavanaugh
Signature *Jeff Cavanaugh*
Date 8/17/90

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 1-800-424-8602; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2 Page 1 of		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address <i>California Waste Management Council</i>						A. State Manifest Document Number 89891368		B. State Generator's ID						
4. Generator's Phone () - -						C. State Transporter's ID 106245		D. Transporter's Phone () - -						
5. Transporter 1 Company Name				6. US EPA ID Number		E. State Transporter's ID								
7. Transporter 2 Company Name				8. US EPA ID Number		F. Transporter's Phone								
9. Designated Facility Name and Site Address <i>Chicago, Inc. 255 1st St.</i>						10. US EPA ID Number		G. State Facility's ID						
						H. Facility's Phone <i>(415) 775-1100</i>								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		L. Waste No.		
						No		Type						State
a. <i>waste empty storage tank (WETA) - RCRA</i>						<i>001</i>						State		
b.												State		
c.												State		
d.												State		
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above								
						a.			b.			c.		
15. Special Handling Instructions and Additional Information <i>Keep away from sources of ignition. Always wear eye protection when working around U.S.T.'s</i>														
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 <i>James T. Adams</i>					Signature <i>James T. Adams</i>					Month Day Year <i>11/11/88</i>				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name <i>James T. Adams</i>					Signature <i>James T. Adams</i>					Month Day Year <i>11/11/88</i>				
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

YELLOW; GENERATOR RETAINS

CITY OF ALAMEDA
 CENTRAL PERMITS OFFICE
 2263 Santa Clara Ave., Room 204
 Alameda, CA 94501 748-4530

Permit No: P90-6242
 Status: FINAL

Page 1 of 1
 12/04/90 15:40

Applied : 08/22/90
 Fee Issue : 08/22/90
 Fee Date : 08/31/90
 To Expire : 12/20/90

JOB ADDRESS : 1700 PARK ST

Valuation 0

PERMIT TYPE : PLUMBING PERMIT
 Parcel number : 070 - 0192-021-01
 Owner : CAVANAUGH LEE R & LEOLA & DAVI
 1547 GIBBONS DR
 ALAMEDA CA 94501

Group-Occ/Use :
 Class code : 068

HOURS OF CONSTRUCTION
 MONDAY - FRIDAY 7 A.M. TO 7 P.M.
 SATURDAY & SUNDAY 8 A.M. TO 5 P.M.

Applicant : TONY L. BAILING
 100 MILLER ST.
 ALAMEDA, CA 94501
 415-299-4117

Signature

Construction : OTH
 Project Title : STORAGE TANK REMOVAL
 Project Desc. : STORAGE TANK REMOVAL

Fee description	Units	Fee/Unit	Ext fee	Data
Storage Tanks.....	1.00	20.00	20.00	
Fixture Fee			20.00	
Filing Fee			0.00	
S.M.I.P Fee			.50	
Assembly Bill 941			5.00	
Micro-fiche Fee.....	10.00		10.00	
*** Fees Required ***				***
		Fees Collected & Credits		***

	Receipt No.	Date	Payment
Fees:	1123	08/22/90	41.50
Adjustments:			.00
Total Fees:			41.50
		Total Credits:	.00
		Total Payments:	41.50
		Balance Due:	.00