Weiss Associates
Environmental and Geologic Services
5500 Shellmound Street, Emeryville, CA 94608-2411 Fax: 510-547-5043 Phone: 510-547-5420

received 8/12/92

LOR 768

July 20, 1992

Mr. Scott O. Seery
Alameda County Department
of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621-1426

Re: Shell Service Station
WIC #204-6852-1404
1784 150th Avenue
San Leandro, California 94578
WA Job #81-422-201

Dear Mr. Seery:

This letter describes recently completed and anticipated activities at the Shell service station referenced above (Figure 1). This status report satisfies the quarterly reporting requirements prescribed by California Administrative Code Title 23 Waters, Chapter 3, Subchapter 16, Article 5, Section 265.d. Included below are descriptions and results of activities performed in the second quarter 1992 and proposed work for the third quarter 1992.

Second Quarter 1992 Activities:

- EMCON Associates (EMCON) of San Jose, California measured ground water depths and collected ground water samples from the three site wells. EMCON's report describing these activities and presenting analytic results for ground water is included as Attachment A.

- Weiss Associates (WA) used EMCON's ground water elevation calculations to prepare a ground water elevation contour map (Figure 2).

Anticipated Third Quarter 1992 Activities:

WA will submit a report presenting the results of third quarter 1992 ground water sampling and ground water depth measurements. The report will include tabulated chemical analytic results and a ground water elevation contour map.

Please call if you have any questions.

Sincerely,
Weiss Associates

J. Michael Asport
Technical Assistant

Joseph P. Theisen, C.E.G.
Senior Hydrogeologist

JMA/JPT:jma

E:\ALL\SHELL\400\422QMJY2.WP

Attachments: Figures
A - EMCON Associates' Ground Water Monitoring Report

cc: Dan Kirk, Shell Oil Company, P.O. Box 5278, Concord, California 94520-9998
Lester Feldman, California Regional Water Quality Control Board - San Francisco Bay Region, 1800 Harrison Street, Oakland, California 94612

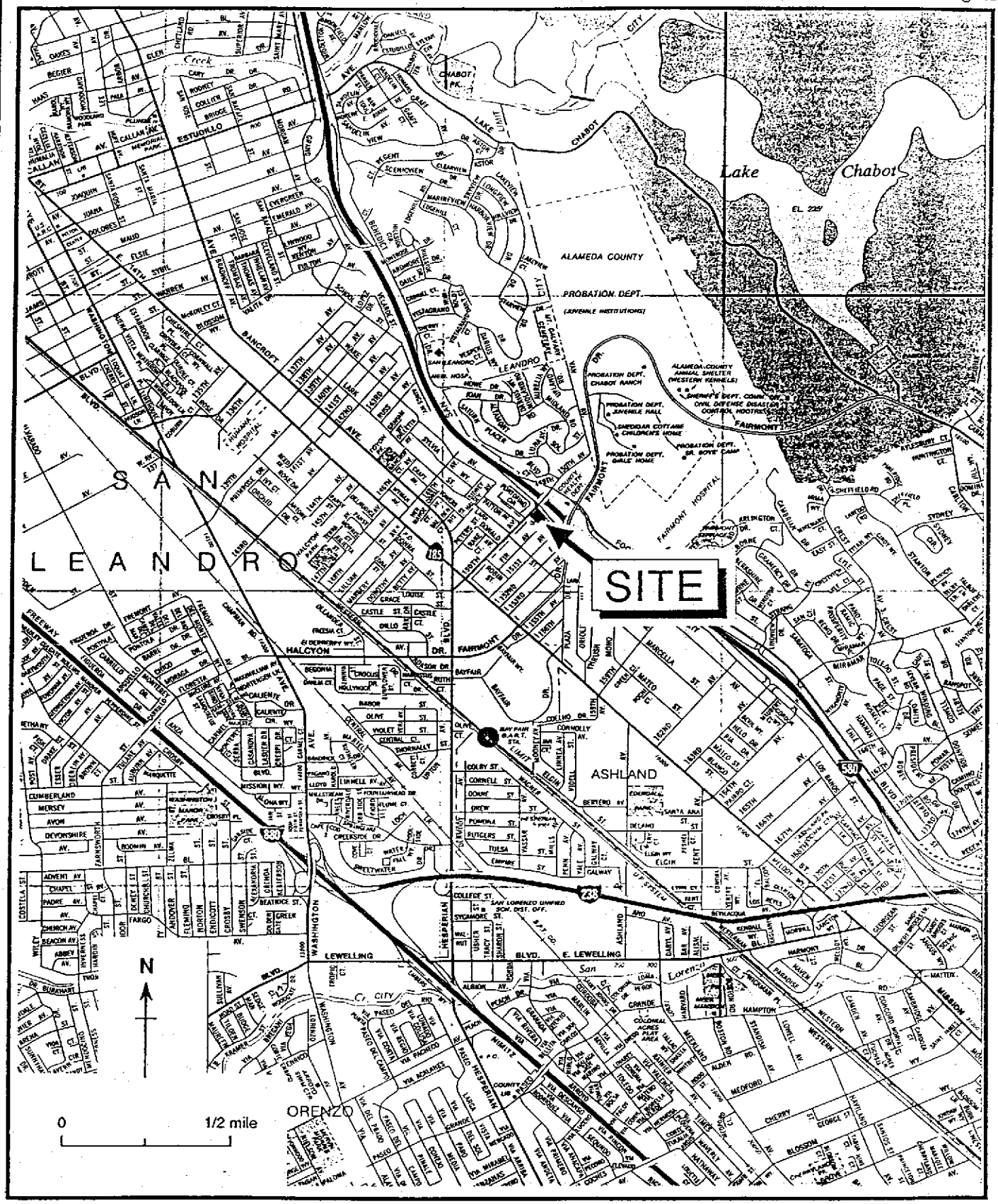

Figure 1. Site Location Map - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

3/16/90

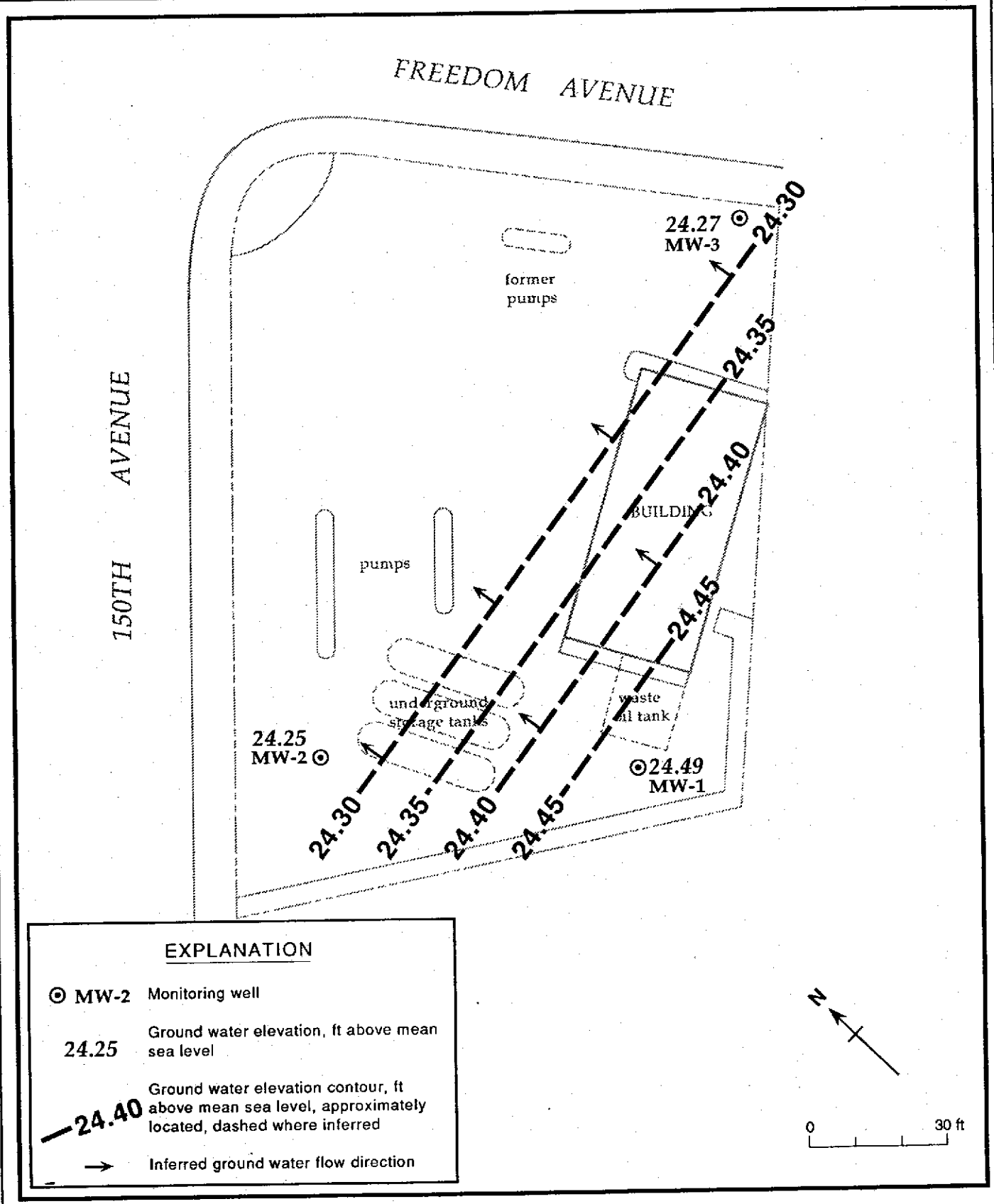

Figure 2. Monitoring Well Locations and Ground Water Elevations Contours - [redacted] - Shell Service Station
WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

7/14/92

ATTACHMENT A

GROUND WATER MONITORING REPORT AND ANALYTIC REPORT

EMCON
ASSOCIATES
Consultants in Wastes
Management and
Environmental Control

June 29, 1992
Project: G67-36.01
WIC#: 204-6852-1404

Mr. David Elias
Weiss Associates
5500 Shellmound Street
Emeryville, California 94608-2411

Re: Second quarter 1992 ground-water monitoring report, Shell Oil Company, 1784 150th Avenue, San Leandro, California

Dear Mr. Elias:

This letter presents the results of the second quarter 1992 ground-water monitoring event for the Shell Oil Company (Shell) site located at 1784 150th Avenue, San Leandro, California (figure 1). Second quarter monitoring was conducted on June 3, 1992. The site is monitored quarterly.

GROUND-WATER LEVEL SURVEY

A water-level survey preceded the purging and sampling of the monitoring wells. The wells included in the survey are identified in figure 2 (supplied by Weiss Associates). During the survey, wells MW-1, MW-2, and MW-3 were measured for depth to water, floating product thickness, and total depth. Depth to water and floating product thickness were measured to the nearest 0.01 foot with an oil/water interface probe. No floating product was observed in the wells. Total depth was measured to the nearest 0.1 foot. Results of the second quarter water-level survey, and available data from four previous surveys, are summarized in table 1.

SAMPLING AND ANALYSIS

Ground-water samples were collected from wells MW-1, MW-2, and MW-3 on June 3, 1992. Prior to sample collection, the wells were purged with an electric submersible pump. During the purging operation, ground water was monitored for pH, electrical conductivity, and temperature as a function of volume of water removed. Purging continued until these parameters were stable and a minimum of three casing volumes of ground water were removed. Field measurements from second quarter monitoring, and available measurements from four previous monitoring events, are summarized in table 1. Purge water from the monitoring wells was contained in 55-gallon drums. The drums were identified with Shell-approved labels and secured for on-site storage.

1938 Junction Avenue, San Jose, California 95131-2102, (408) 453-0719, Fax (408) 453-0452

Ground-water samples were collected with a Teflon® bailer, labeled, placed on ice, and transported to a Shell-approved and state-certified analytical laboratory for analysis. Shell chain-of-custody documents accompanied all samples to the laboratory.

All equipment that was placed down a well or that came in contact with ground water was steam cleaned with deionized water prior to use at each well.

Quality control samples for second quarter monitoring included a trip blank. All water samples collected during second quarter monitoring were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Additional ground-water samples collected from wells MW-1, MW-2, and MW-3 were analyzed for halogenated volatile organic compounds by U.S. Environmental Protection Agency method 601.

ANALYTICAL RESULTS

Analytical results for the second quarter 1992 monitoring event, and available results from four previous monitoring events, are summarized in table 2 (TPH-G and BTEX) and table 3 (VOCs). The original certified analytical report and chain-of-custody document are attached.

If you have any questions, please call.

Very truly yours,

EMCON Associates

David Larsen
Environmental Sampling Coordinator

For
Orrin Childs
Environmental Sampling Supervisor

DL/OC:dl

Attachments: Table 1 - Monitoring well field measurement data
Table 2 - Summary of analytical results (TPH-g, BTEX)
Table 3 - Summary of analytical results (VOCs)
Figure 1 - Site location map
Figure 2 - Monitoring well locations
Certified analytical report
Chain-of-custody document

Table 1
Monitoring Well Field Measurement Data
Second Quarter 1992

Shell Station: 1784 150th Avenue
San Leandro, California
WIC #: 204-6852-1404

Date: 06/29/92
Project Number: G67-36.01

Well Designation	Water Level Field Date	TOC Elevation (ft-MSL)	Depth to Water (feet)	Groundwater Elevation (ft-MSL)	Total Well Depth (feet)	Floating Product Thickness (feet)	Water Sample Field Date	pH (std. units)	Electrical Conductivity (micromhos/cm)	Temperature (degrees F)	Turbidity (NTU)
MW-1	03/07/91	49.13	25.79	23.34	NR	NR	03/07/91	NR	NR	NR	NR
MW-1	06/07/91	49.13	25.64	23.49	NR	NR	06/07/91	NR	NR	NR	NR
MW-1	09/17/91	49.13	27.54	21.59	NR	NR	09/17/91	NR	NR	NR	NR
MW-1	03/01/92	49.13	23.26	25.87	44.6	ND	03/01/92	7.20	1490	62.8	6.0
MW-1	06/03/92	49.13	24.64	24.49	44.6	ND	06/03/92	6.97	1507	67.8	2.44
MW-2	03/01/92	45.83	21.11	24.72	44.4	ND	03/01/92	7.00	1718	63.9	30
MW-2	06/03/92	45.83	21.58	24.25	44.4	ND	06/03/92	6.67	1679	71.8	4.79
MW-3	03/01/92	51.97	26.00	25.97	41.6	ND	03/01/92	6.79	1540	66.6	>200
MW-3	06/03/92	51.97	27.70	24.27	41.6	ND	06/03/92	6.50	1556	70.2	38.4

TOC = top of casing
ft-MSL = elevation in feet, relative to mean sea level
std. units = standard pH units
micromhos/cm = micromhos per centimeter
degrees F = degrees Fahrenheit
NTU = nephelometric turbidity units
NR = Not reported; data not available
ND = None detected

Table 2
Summary of Analytical Results
Second Quarter 1992
milligrams per liter (mg/l) or parts per million (ppm)

Shell Station: 1784 150th Avenue
San Leandro, California
WIC #: 204-6852-1404

Date: 06/29/92
Project Number: G67-36.01

Sample Designation	Water Sample Field Date	TPH-g (mg/l)	Benzene (mg/l)	Toluene (mg/l)	Ethyl-benzene (mg/l)	Total Xylenes (mg/l)	TPH-d (mg/l)
MW-1	03/07/91	0.08	0.026	<0.0005	0.0012	<0.0015	<0.05
MW-1	06/07/91	0.51	0.130	0.0038	0.0061	0.011	<0.05
MW-1	09/17/91	0.33	0.067	<0.0005	0.0030	0.0022	0.12&
MW-1	03/01/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	<0.05
MW-1	06/03/92	1.5	0.52	0.18	0.072	0.23	NA
MW-2	03/01/92	86.	30.	34.	2.3	16.	1.0*
MW-2	06/03/92	87.	28.	18.	2.0	10.	NA
MW-3	03/01/92	2.2	0.069	<0.0005	<0.0005	<0.0005	0.44
MW-3	06/03/92	4.1	0.013	0.072	0.044	0.065	NA
TB	03/07/91	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
TB	06/07/91	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
TB	09/17/91	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA
TB	03/01/92	<0.05	<0.0005	0.0006	<0.0005	0.0009	NA
TB	06/03/92	<0.05	<0.0005	<0.0005	<0.0005	<0.0005	NA

TPH-g = total petroleum hydrocarbons as gasoline
TPH-d = total petroleum hydrocarbons as diesel
& = Result is due to a non-diesel hydrocarbon compound
NA = Not analyzed
* = Diesel result is due to a petroleum haydrcarbon that is lighter than diesel

Table 3
Summary of Analytical Results
Volatile Organic Compounds by EPA Method 601
Second Quarter 1992
milligrams per liter (mg/l) or parts per million (ppm)

Shell Station: 1784 150th Avenue
San Leandro, California
WIC #: 204-6852-1404

Date: 06/29/92
Project Number: G67-36.01

Sample Designation	Water Sample Field Date	1,2-DCA (mg/l)
MW-1	03/07/91	0.0067
MW-1	06/07/91	0.0079
MW-1	09/17/91	0.0060
MW-1	03/01/92	0.0030
MW-1	06/03/92	0.0030
MW-2	03/01/92	0.082
MW-2	06/03/92	<0.05
MW-3	03/01/92	0.013
MW-3	06/03/92	0.016

1,2-DCA = 1,2-Dichloroethane

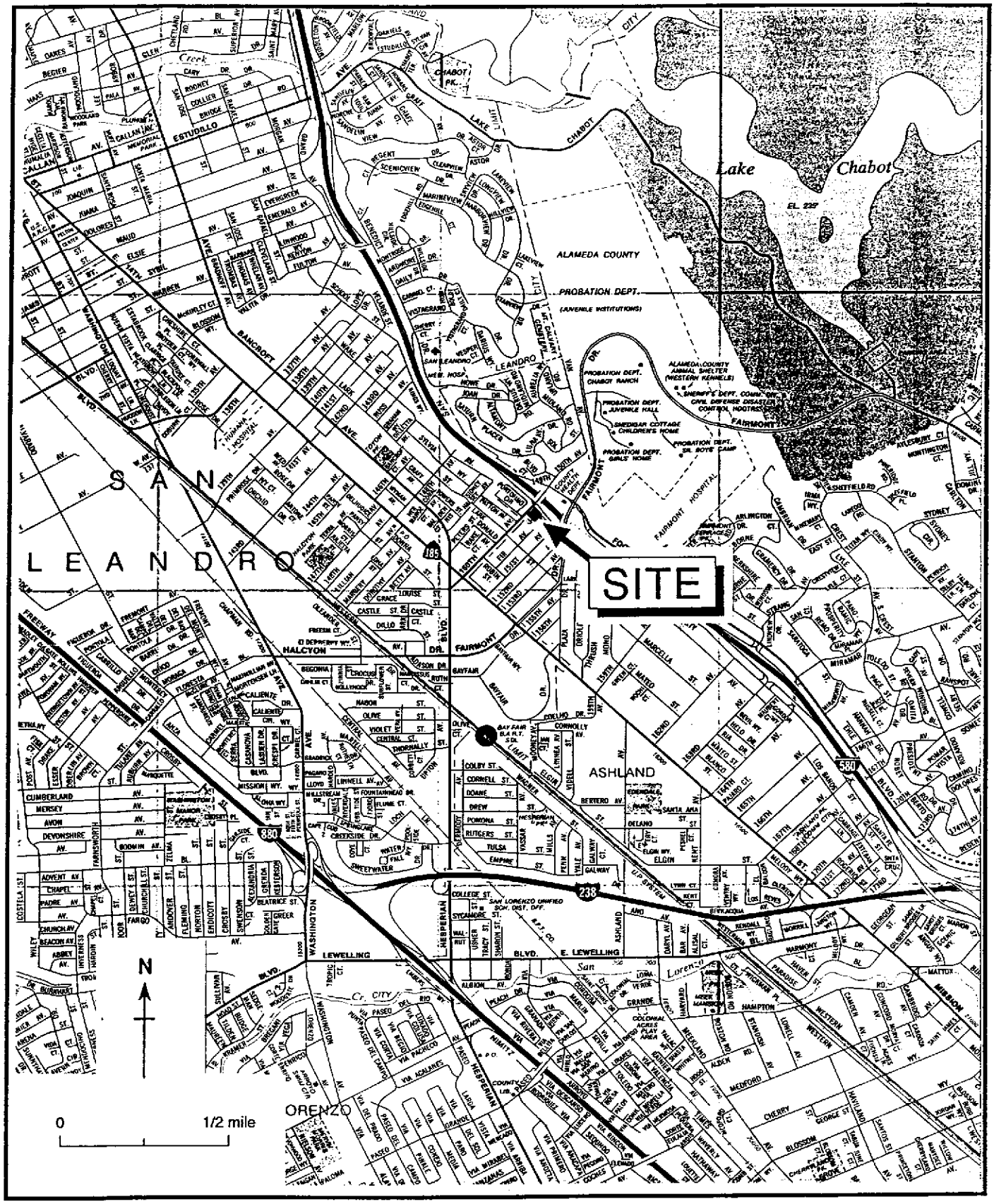

Figure 1. Site Location Map - Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

3/16/90

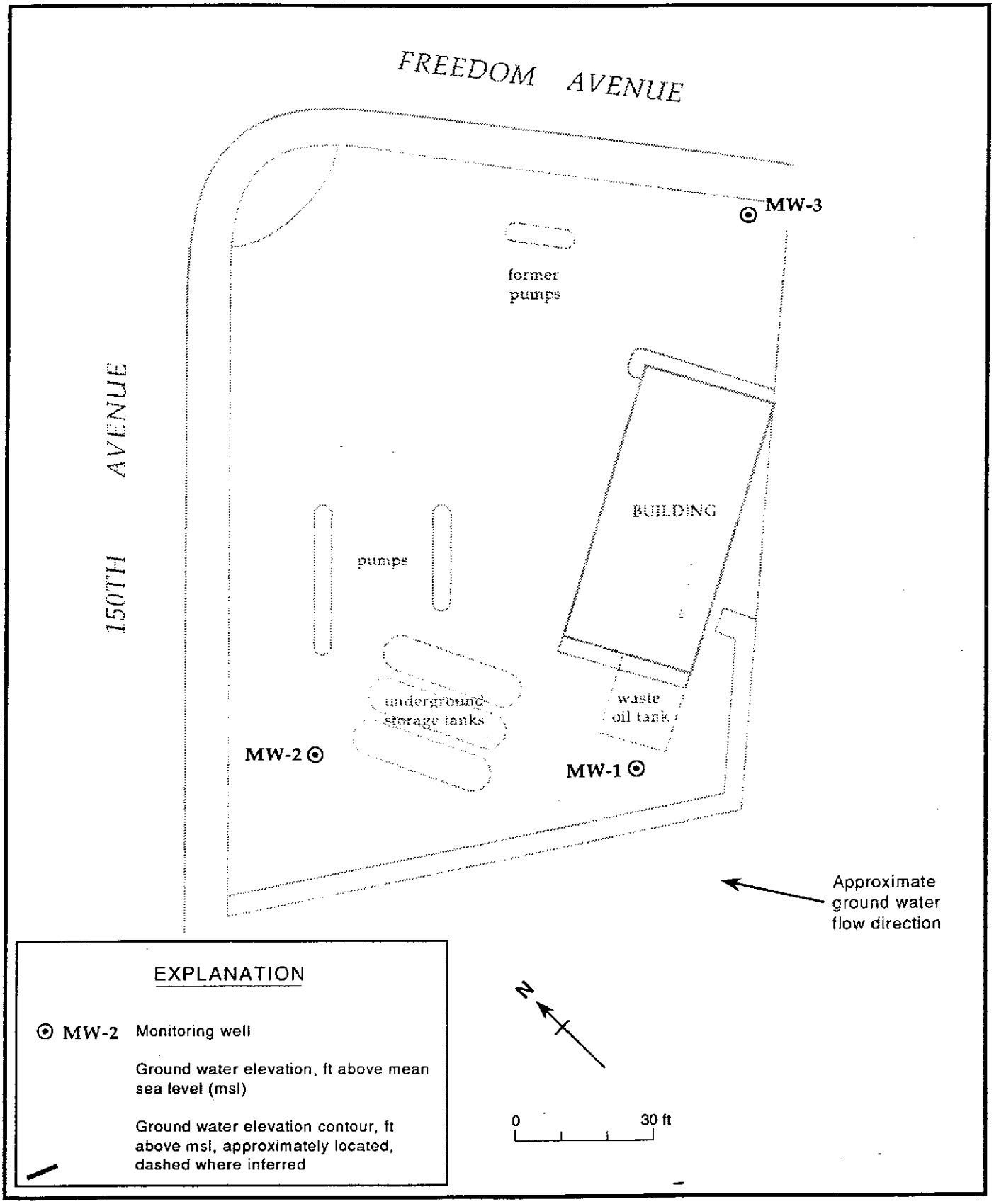

Figure 2. Monitoring Well Locations -Shell Service Station WIC #204-6852-1404, 1784 150th Avenue, San Leandro, California

5/26/92

ANAMETRIX INC
Environmental & Analytical Chemistry
1961 Concourse Drive, Suite E, San Jose, CA 95131
(408) 432-8192 • Fax (408) 432-8198

REPORT

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9206095
Date Received : 06/05/92
Project ID : G67-36.01
Purchase Order: MOH-B813

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

ANAMETRIX ID	CLIENT SAMPLE ID
9206095- 1	MW-1
9206095- 2	MW-2
9206095- 3	MW-3
9206095- 4	TB

This report consists of 12 pages not including the cover letter, and is organized in sections according to the specific Anametrix 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 Anametrix 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.

Anametrix 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 Anametrix.

Sarah Schoen, Ph.D.
Laboratory Director

6-19-92
Date

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

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9206095
Date Received : 06/05/92
Project ID : G67-36.01
Purchase Order: MOH-B813
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206095- 1	MW-1	WATER	06/03/92	TPHg/BTEX
9206095- 2	MW-2	WATER	06/03/92	TPHg/BTEX
9206095- 3	MW-3	WATER	06/03/92	TPHg/BTEX
9206095- 4	TB	WATER	06/03/92	TPHg/BTEX

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

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9206095
Date Received : 06/05/92
Project ID : G67-36.01
Purchase Order: MOH-B813
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- No QA/QC problems encountered for these samples.

Cheryl Balmer 6/19/92
Department Supervisor Date

Steve Jones 6/19/92
Chemist Date

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

Anametrix W.O.: 9206095
Matrix : WATER
Date Sampled : 06/03/92

Project Number : G67-36.01
Date Released : 06/19/92

COMPOUNDS	Reporting Limit (mg/L)	Sample I.D.# MW-1 -01	Sample I.D.# MW-2 -02	Sample I.D.# MW-3 -03	Sample I.D.# TB -04	Sample I.D.# BU1601E2 BLANK
Benzene	0.0005	0.52	28	0.013	ND	ND
Toluene	0.0005	0.18	18	0.072	ND	ND
Ethylbenzene	0.0005	0.072	2.0	0.044	ND	ND
Total Xylenes	0.0005	0.23	10	0.065	ND	ND
TPH as Gasoline	0.050	1.5	87	4.1	ND	ND
% Surrogate Recovery		74%	94%	84%	97%	91%
Instrument I.D.		HP4	HP4	HP4	HP4	HP4
Date Analyzed		06/16/92	06/16/92	06/16/92	06/16/92	06/16/92
RLMF		5	500	5	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 modified EPA Method 8015 following sample purge and trap by EPA Method 5030.
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA Method 8020 following sample purge and trap by EPA Method 5030.
RLMF - Reporting Limit Multiplication Factor.

Anametrix control limits for surrogate p-Bromofluorobenzene recovery are 53-147%.

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

Steve Jones 6/19/92
Analyst Date

Cheryl Bulmer 6/19/92
Supervisor Date

ANAMETRIX REPORT DESCRIPTION
GC

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 Anametrix ID number.

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

Anametrix uses several data qualifiers (Q) in it's 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.

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.

mh/3426 - Disk 10WH

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

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9206095
Date Received : 06/05/92
Project ID : G67-36.01
Purchase Order: MOH-B813
Department : GC
Sub-Department: VOA

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9206095- 1	MW-1	WATER	06/03/92	601
9206095- 2	MW-2	WATER	06/03/92	601
9206095- 3	MW-3	WATER	06/03/92	601

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

MR. DAVID LARSEN
EMCON ASSOCIATES
1938 JUNCTION AVE.
SAN JOSE, CA 95131

Workorder # : 9206095
Date Received : 06/05/92
Project ID : G67-36.01
Purchase Order: MOH-B813
Department : GC
Sub-Department: VOA

QA/QC SUMMARY :

- Sample MW-2 was analyzed at a dilution due to interfering hydrocarbon peaks.

Corinne Ham 6/18/92
Department Supervisor Date

Kamil G. Kamal 6/18/92
Chemist Date

DESCRIPTIONS FOR SPECIFIC COMPOUNDS ANALYZED
EPA METHOD 601/8010

CAS #	COMPOUND NAME	ABBREVIATED NAME
74-87-3	Chloromethane	Chloromethane
74-83-9	Bromomethane	Bromoethane
75-71-8	Dichlorodifluoromethane	Freon 12
75-01-4	Vinyl Chloride	Vinyl Chloride
75-00-3	Chloroethane	Chloroethane
75-09-2	Methylene Chloride	Methylene Chlor
75-69-4	Trichlrofluoromethane	Freon 11
75-35-4	1,1-Dichloroethene	1,1-DCE
75-34-3	1,1-Dichloroethane	1,1-DCA
156-59-2	Cis-1,2-Dichloroethene	Cis-1,2-DCE
156-60-5	Trans-1,2-Dichloroethene	Trans-1,2-DCE
67-66-3	Chloroform	Chloroform
76-13-1	Trichlorotrifluoroethane	Freon 113
107-06-2	1,2-Dichloroethane	1,2-DCA
71-55-6	1,1,1-Trichloroethane	1,1,1-TCA
56-23-5	Carbon Tetrachloride	Carbon Tet
75-27-4	Bromodichloromethane	BromodichloroMe
78-87-5	1,2-Dichloropropane	1,2-DCPA
10061-02-6	Trans-1,3-Dichloropropene	Trans-1,3-DCPE
79-01-6	Trichloroethene	TCE
124-48-1	Dibromochloromethane	DibromochloroMe
79-00-5	1,1,2-Trichloroethane	1,1,2-TCA
10061-01-5	Cis-1,3-Dichloropropene	Cis-1,3-DCPE
110-75-8	2-Chloroethylvinylether	Chloroethylvinl
75-25-2	Bromoform	Bromoform
127-18-4	Tetrachloroethene	PCE
79-34-5	1,1,2,2-Tetrachloroethane	PCA
108-90-7	Chlorobenzene	Chlorobenzene
95-50-1	1,2-Dichlorobenzene	1,2-DCB
541-73-1	1,3-Dichlorobenzene	1,3-DCB
106-46-7	1,4-Dichlorobenzene	1,4-DCB
352-33-0	p-Chlorofluorobenzene	Chlorofluoroben

mh/3426 - 10MH

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

Sample I.D.	: MW-1	Anametrix I.D.	: 9206095-01
Matrix	: WATER	Analyst	: cp KC
Date sampled	: 06/03/92	Supervisor	:
Date analyzed	: 06/16/92	Date released	: 06/18/92
Dilution	: NONE	Instrument ID	: HP14

CAS #	Compound Name	Reporting Limit (mg/L)	Amount Found (mg/L)
74-87-3	* Chloromethane	0.001	ND
74-83-9	* Bromomethane	0.0005	ND
75-71-8	* Dichlorodifluoromethane	0.001	ND
75-01-4	* Vinyl Chloride	0.0005	ND
75-00-3	* Chloroethane	0.0005	ND
75-09-2	* Methylene Chloride	0.0005	ND
75-69-4	* Trichlorofluoromethane	0.0005	ND
75-35-4	* 1,1-Dichloroethene	0.0005	ND
75-34-3	* 1,1-Dichloroethane	0.0005	ND
156-59-2	# Cis-1,2-Dichloroethene	0.0005	ND
156-60-5	* Trans-1,2-Dichloroethene	0.0005	ND
67-66-3	* Chloroform	0.0005	ND
76-13-1	# Trichlorotrifluoroethane	0.0005	ND
107-06-2	* 1,2-Dichloroethane	0.0005	0.0030
71-55-6	* 1,1,1-Trichloroethane	0.0005	ND
56-23-5	* Carbon Tetrachloride	0.0005	ND
75-27-4	* Bromodichloromethane	0.0005	ND
78-87-5	* 1,2-Dichloropropane	0.0005	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.0005	ND
79-01-6	* Trichloroethene	0.0005	ND
124-48-1	* Dibromochloromethane	0.0005	ND
79-00-5	* 1,1,2-Trichloroethane	0.0005	ND
10061-01-5	* cis-1,3-Dichloropropene	0.0005	ND
110-75-8	* 2-Chloroethylvinylether	0.001	ND
75-25-2	* Bromoform	0.0005	ND
127-18-4	* Tetrachloroethene	0.0005	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.0005	ND
108-90-7	* Chlorobenzene	0.0005	ND
95-50-1	* 1,2-Dichlorobenzene	0.001	ND
541-73-1	* 1,3-Dichlorobenzene	0.001	ND
106-46-7	* 1,4-Dichlorobenzene	0.001	ND
	% Surrogate Recovery	51-136%	87%

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.	: MW-2	Anametrix I.D.	: 9206095-02
Matrix	: WATER	Analyst	: KE
Date sampled	: 06/03/92	Supervisor	:
Date analyzed	: 06/16/92	Date released	: 06/18/92
Dilution	: 100	Instrument ID	: HP14

CAS #	Compound Name	Reporting Limit (mg/L)	Amount Found (mg/L)
74-87-3	* Chloromethane	0.1	ND
74-83-9	* Bromomethane	0.05	ND
75-71-8	* Dichlorodifluoromethane	0.1	ND
75-01-4	* Vinyl Chloride	0.05	ND
75-00-3	* Chloroethane	0.05	ND
75-09-2	* Methylene Chloride	0.05	ND
75-69-4	* Trichlorofluoromethane	0.05	ND
75-35-4	* 1,1-Dichloroethene	0.05	ND
75-34-3	* 1,1-Dichloroethane	0.05	ND
156-59-2	# Cis-1,2-Dichloroethene	0.05	ND
156-60-5	* Trans-1,2-Dichloroethene	0.05	ND
67-66-3	* Chloroform	0.05	ND
76-13-1	# Trichlorotrifluoroethane	0.05	ND
107-06-2	* 1,2-Dichloroethane	0.05	ND
71-55-6	* 1,1,1-Trichloroethane	0.05	ND
56-23-5	* Carbon Tetrachloride	0.05	ND
75-27-4	* Bromodichloromethane	0.05	ND
78-87-5	* 1,2-Dichloropropane	0.05	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.05	ND
79-01-6	* Trichloroethene	0.05	ND
124-48-1	* Dibromochloromethane	0.05	ND
79-00-5	* 1,1,2-Trichloroethane	0.05	ND
10061-01-5	* cis-1,3-Dichloropropene	0.05	ND
110-75-8	* 2-Chloroethylvinylether	0.1	ND
75-25-2	* Bromoform	0.05	ND
127-18-4	* Tetrachloroethene	0.05	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.05	ND
108-90-7	* Chlorobenzene	0.05	ND
95-50-1	* 1,2-Dichlorobenzene	0.1	ND
541-73-1	* 1,3-Dichlorobenzene	0.1	ND
106-46-7	* 1,4-Dichlorobenzene	0.1	ND
	% Surrogate Recovery	51-136%	88%

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.	: MW-3	Anametrix I.D.	: 9206095-03
Matrix	: WATER	Analyst	: KK
Date sampled	: 06/03/92	Supervisor	: CP
Date analyzed	: 06/16/92	Date released	: 06/18/92
Dilution	: NONE	Instrument ID	: HP14

CAS #	Compound Name	Reporting Limit (mg/L)	Amount Found (mg/L)
74-87-3	* Chloromethane	0.001	ND
74-83-9	* Bromomethane	0.0005	ND
75-71-8	* Dichlorodifluoromethane	0.001	ND
75-01-4	* Vinyl Chloride	0.0005	ND
75-00-3	* Chloroethane	0.0005	ND
75-09-2	* Methylene Chloride	0.0005	ND
75-69-4	* Trichlorofluoromethane	0.0005	ND
75-35-4	* 1,1-Dichloroethene	0.0005	ND
75-34-3	* 1,1-Dichloroethane	0.0005	ND
156-59-2	# Cis-1,2-Dichloroethene	0.0005	ND
156-60-5	* Trans-1,2-Dichloroethene	0.0005	ND
67-66-3	* Chloroform	0.0005	ND
76-13-1	# Trichlorotrifluoroethane	0.0005	ND
107-06-2	* 1,2-Dichloroethane	0.0005	0.016
71-55-6	* 1,1,1-Trichloroethane	0.0005	ND
56-23-5	* Carbon Tetrachloride	0.0005	ND
75-27-4	* Bromodichloromethane	0.0005	ND
78-87-5	* 1,2-Dichloropropane	0.0005	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.0005	ND
79-01-6	* Trichloroethene	0.0005	ND
124-48-1	* Dibromochloromethane	0.0005	ND
79-00-5	* 1,1,2-Trichloroethane	0.0005	ND
10061-01-5	* cis-1,3-Dichloropropene	0.0005	ND
110-75-8	* 2-Chloroethylvinylether	0.001	ND
75-25-2	* Bromoform	0.0005	ND
127-18-4	* Tetrachloroethene	0.0005	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.0005	ND
108-90-7	* Chlorobenzene	0.0005	ND
95-50-1	* 1,2-Dichlorobenzene	0.001	ND
541-73-1	* 1,3-Dichlorobenzene	0.001	ND
106-46-7	* 1,4-Dichlorobenzene	0.001	ND
	% Surrogate Recovery	51-136%	89%

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.	: VBLANK	Anametrix I.D.	: 14B0616H01
Matrix	: WATER	Analyst	:
Date sampled	: N/A	Supervisor	:
Date analyzed	: 06/16/92	Date released	: 06/18/92
Dilution	: NONE	Instrument ID	: HP14

CAS #	Compound Name	Reporting Limit (mg/L)	Amount Found (mg/L)
74-87-3	* Chloromethane	0.001	ND
74-83-9	* Bromomethane	0.0005	ND
75-71-8	* Dichlorodifluoromethane	0.001	ND
75-01-4	* Vinyl Chloride	0.0005	ND
75-00-3	* Chloroethane	0.0005	ND
75-09-2	* Methylene Chloride	0.0005	ND
75-69-4	* Trichlorofluoromethane	0.0005	ND
75-35-4	* 1,1-Dichloroethene	0.0005	ND
75-34-3	* 1,1-Dichloroethane	0.0005	ND
156-59-2	# Cis-1,2-Dichloroethene	0.0005	ND
156-60-5	* Trans-1,2-Dichloroethene	0.0005	ND
67-66-3	* Chloroform	0.0005	ND
76-13-1	# Trichlorotrifluoroethane	0.0005	ND
107-06-2	* 1,2-Dichloroethane	0.0005	ND
71-55-6	* 1,1,1-Trichloroethane	0.0005	ND
56-23-5	* Carbon Tetrachloride	0.0005	ND
75-27-4	* Bromodichloromethane	0.0005	ND
78-87-5	* 1,2-Dichloropropane	0.0005	ND
10061-02-6	* Trans-1,3-Dichloropropene	0.0005	ND
79-01-6	* Trichloroethene	0.0005	ND
124-48-1	* Dibromochloromethane	0.0005	ND
79-00-5	* 1,1,2-Trichloroethane	0.0005	ND
10061-01-5	* cis-1,3-Dichloropropene	0.0005	ND
110-75-8	* 2-Chloroethylvinylether	0.001	ND
75-25-2	* Bromoform	0.0005	ND
127-18-4	* Tetrachloroethene	0.0005	ND
79-34-5	* 1,1,2,2-Tetrachloroethane	0.0005	ND
108-90-7	* Chlorobenzene	0.0005	ND
95-50-1	* 1,2-Dichlorobenzene	0.001	ND
541-73-1	* 1,3-Dichlorobenzene	0.001	ND
106-46-7	* 1,4-Dichlorobenzene	0.001	ND
	% Surrogate Recovery	51-136%	86%

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.

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 : 06/16/92

Anametrix I.D. : SPK061692
Analyst : KL
Supervisor : CP
Date released : 06/18/92
Instrument I.D.: HP14

COMPOUND	SPIKE AMT. (ug/L)	MS (ug/L)	REC MS	MSD (ug/L)	REC MSD	RPD	%REC LIMITS
FREON 113	10	11.5	115%	11.9	119%	-4%	50 - 150
1,1-DICHLOROETHENE	10	9.1	91%	10.3	103%	-13%	41 - 110
trans-1,2-DICHLOROETHENE	10	9.7	97%	10.4	103%	-6%	47 - 126
1,1-DICHLOROETHANE	10	8.5	85%	7.3	73%	15%	67 - 124
cis-1,2-DICHLOROETHENE	10	10.8	108%	11.1	111%	-3%	50 - 150
1,1,1-TRICHLOROETHANE	10	10.7	107%	11.2	112%	-4%	50 - 125
TRICHLOROETHENE	10	10.8	108%	11.0	110%	-1%	51 - 131
TETRACHLOROETHENE	10	10.3	103%	10.8	108%	-5%	70 - 136
CHLOROBENZENE	10	11.3	113%	11.1	111%	2%	72 - 128
1,3-DICHLOROBENZENE	10	9.0	90%	9.2	92%	-2%	67 - 120
1,4-DICHLOROBENZENE	10	9.3	93%	9.4	94%	-1%	61 - 109
1,2-DICHLOROBENZENE	10	9.7	97%	9.9	99%	-2%	70 - 119

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

SHELL ... ENGINEERING - WEST 9206093

Serial No.: 370

Page 1 of 1

Site Address: 1784 150th Avenue San Leandro CA

WIC#: 204-6852-1404

Shell Engineer: Kurt Miller

Phone No. (510) Fax #: 685-3853

Consultant Name & Address: EMCON Assoc. 1938 Junction Ave. San Jose, CA 95131

Consultant Contact: David Larsen

Phone No. (408) Fax #: 453-2269

Comments: 3-VOAs (HCl) for g, BTEX; 3-VOAs (NP) for 601; 2-Liter Glass (GR) for diesel

Sampled By: J Butera

Printed Name: J BUTERA

Analysis Required (16) (2) 15:15 13

LAB: Anametrix

CHECK ONE (1) BOX ONLY		CT/DT
Quarterly Monitoring	XX	5461
Site Investigation	[ ]	5441
Soil for disposal	[ ]	5442
Water for disposal	[ ]	5443
Air Sample- Sys O&M	[ ]	5452
Water Sample - Sys O&M	[ ]	5453
Other	[ ]	

TURN AROUND T...: 24 hours [ ]; 48 hours [ ]; 15 days XX (Nor...); Other [ ]

NOTE: Notify Lab as soon as possible of 24/48 hrs. TAT.

Sample ID	Date	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	EPA 601			Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION COMMENT
(1) MW-1	6-3-92		X		~~8~~ 6	X	~~X~~	X			X			40 ml	HCl	No	Diesel Cancelled per Client 6/5/92 g.D.	Samples rec'd cool & in proper containers
(2) MW-2	↓		↓		~~8~~ 6	X	~~X~~	X			X			↓	↓	↓		
(3) MW-3	↓		↓		~~8~~ 6	X	~~X~~	X			X			↓	↓	↓		
(4) TB	↓		↓		3	X		X						↓	↓	↓		

TPH Diesel column: 6-5-92 see note

Relinquished By (signature)	Printed name	Date / Time	Received (signature)	Printed name	Date / Time
J Butera	J BUTERA	Date: 6-3-92 Time: 0830	Benny S. Carrizosa	BENNY S. CARRIZOSA	Date: 6-5-92 Time: 0830
Benny S. Carrizosa	BENNY S. CARRIZOSA	Date: 6-5-92 Time: 1025	[signature]	D GOWAN	Date: 6-5-92 Time: 1025
		Date: Time:			Date: Time:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

Last Revision Date: 10/15/91

Weiss Associates *Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411 *Fax: 510-547-5043* *Phone:* ***510-547-5420***

TRANSMITTAL LETTER

FROM: J. Michael Asport **DATE:** July 22, 1992

TO: Mr. Scott O. Seery
Alameda County Department
of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621-1426

VIA:
- [X] First Class Mail
- [ ] Fax ___ pages
- [ ] UPS (Surface)
- [ ] Federal Express
- [ ] Courier

SUBJECT: Shell Service Stations
WIC #204-6852-1404
1784 150th Avenue
San Leandro, CA 94578

JOB:81-422-201

AS:
- [ ] We discussed on the telephone on _____
- [ ] You requested _____
- [ ] We believe you may be interested
- [X] Is required

WE ARE SENDING:
- [X] Enclosed
- [ ] Under Separate Cover Via _____

Quarterly status report for the subject site.

FOR:
- [ ] Your information
- [X] Your use
- [ ] Your review & comments
- [ ] Return to you

PLEASE:
- [X] Keep this material
- [ ] Return within 2 weeks
- [ ] Acknowledge receipt

MESSAGE: Please call if you have any questions.

cc: Dan Kirk, Shell Oil Company, P.O. Box 4023, Concord, California 94524
Lester Feldman, California Regional Water Quality Control Board - San Francisco Bay Region, 2101 Webster Street, Suite 500, Oakland, CA 94612