

ENVIRONMENTAL  
PROTECTION  
95 APR 20 PM 2:34

April 15, 1995

Ms. Eva Chu  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502

**Subject: Continental Baking Company, 6841 Village Parkway, Dublin, CA 94568  
Quarterly Groundwater Monitoring Report**

Dear Ms. Chu:

In response to your letter to Mr. Fred Dannecker, Continental Baking Company (CBC), requesting quarterly groundwater monitoring reporting, this letter report is being submitted. Woodward-Clyde Consultants is providing environmental consulting services to CBC and is submitting this report on their behalf.

In response to your phone request, the groundwater samples were analyzed for semi-volatile organics in addition to the historic suite of analytes. As described below, none were detected.

#### **GROUNDWATER ELEVATION**

Water level measurements were performed on January 30 and March 7, 1995 by WCC personnel. Water levels were measured in monitoring wells MW-1, 2 and 3 with an electronic water level sounder and recorded to the nearest 0.01 foot. Table 1 summarizes the groundwater elevation variation in the three monitoring wells since the first investigation at the CBC Dublin facility in March, 1994. Figure 1 is a location map of the CBC facility. Figures 2 and 3 are groundwater elevation contour maps for the last two months reported in the present quarterly report.

The reported results from the water elevation measurements are the following:

- In the first quarter of 1995, the groundwater elevation has ranged from about 332 to 335 feet above mean sea level (MSL).
- Groundwater levels have risen since the last monitoring report.

Head differences between monitoring wells at the site are very small (indicative of a relatively flat water table). The general groundwater flow direction appears to shift with

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each measuring event. This is probably a localized variation, possibly associated with the drainage ditch that borders the north end of the site.

## ANALYTICAL RESULTS

Sampling activities were performed in March, 1995 by WCC personnel. A copy of the water sample logs are attached.

Prior to well development and sampling, an oil/water interface probe was used to detect the presence of an immiscible layer. No measurable immiscible layer was detected in any of the wells.

The wetted casing volume was calculated for each well and approximately 4 casing volumes were removed from each well prior to sampling. In addition to the groundwater samples collected from the three monitoring wells, one duplicate sample was collected from well MW-1 and labelled MW-4. Samples were submitted for analysis for semi-volatile organics (inc. PNAs by EPA Method 8270), Total Petroleum Hydrocarbons (TPH) quantified as Diesel (TPHd, modified EPA Method 8015) and benzene, toluene, ethylbenzene, and xylene (BTEX, EPA Method 8020). Sample analyses were performed by Anametrix Laboratories, San Jose, California. Copies of the laboratory data sheets and the chain-of-custody form are attached.

A quality assurance/quality control review of the analytical data was performed by a WCC chemist. The results of the review indicated that the data are of acceptable quality.

The reported results from the March, 1995 sampling and analysis effort are summarized in Table 2, and are the following:

- TPHd was detected at concentration of 200 and 600  $\mu\text{g/L}$  in samples from wells MW-1 and 2 respectively. No TPHd was detected in well MW-3.
- BTEX was not detected in any of the samples.
- No semi-volatile organics (except phthalates as explained) were detected in any of the samples. Very low levels of butylbenzylphthalate and bis (2-Ethylhexyl) phthalate were reported. Phthalates are recognized by the USEPA as common laboratory contaminants (EPA 1994 Functional Guidelines for Evaluating Organic

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Data) and therefore should not be considered to indicate groundwater contamination.

The reported results from this sampling and analysis effort are consistent with results reported for samples from these wells in January 1995.

Groundwater elevation and gradient information has now been collected in 11 monitoring events at this site. Concentrations of diesel in the groundwater have been consistent and low. No semi-volatile organics were detected. BTEX is not detected. We therefore request that monitoring no longer be required at this site, and that it be considered for case closure. We sincerely appreciate your assistance.

If you have any questions, please feel free to phone me at (510) 874-3138.

Sincerely,

*Jo Beth Folger*

Jo Beth Folger

*Linda Lock / Bill*  
*874-3161*

## Attachments

c: Fred Dannecker, CBC-SF  
Carl Eklund, CBC-SL  
Jim Hummert, WCC-SL

**TABLE 1**  
**SUMMARY OF GROUNDWATER ELEVATION**  
**CONTINENTAL BAKING COMPANY, DUBLIN, CA**

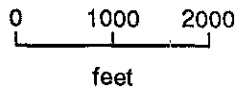
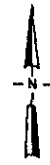
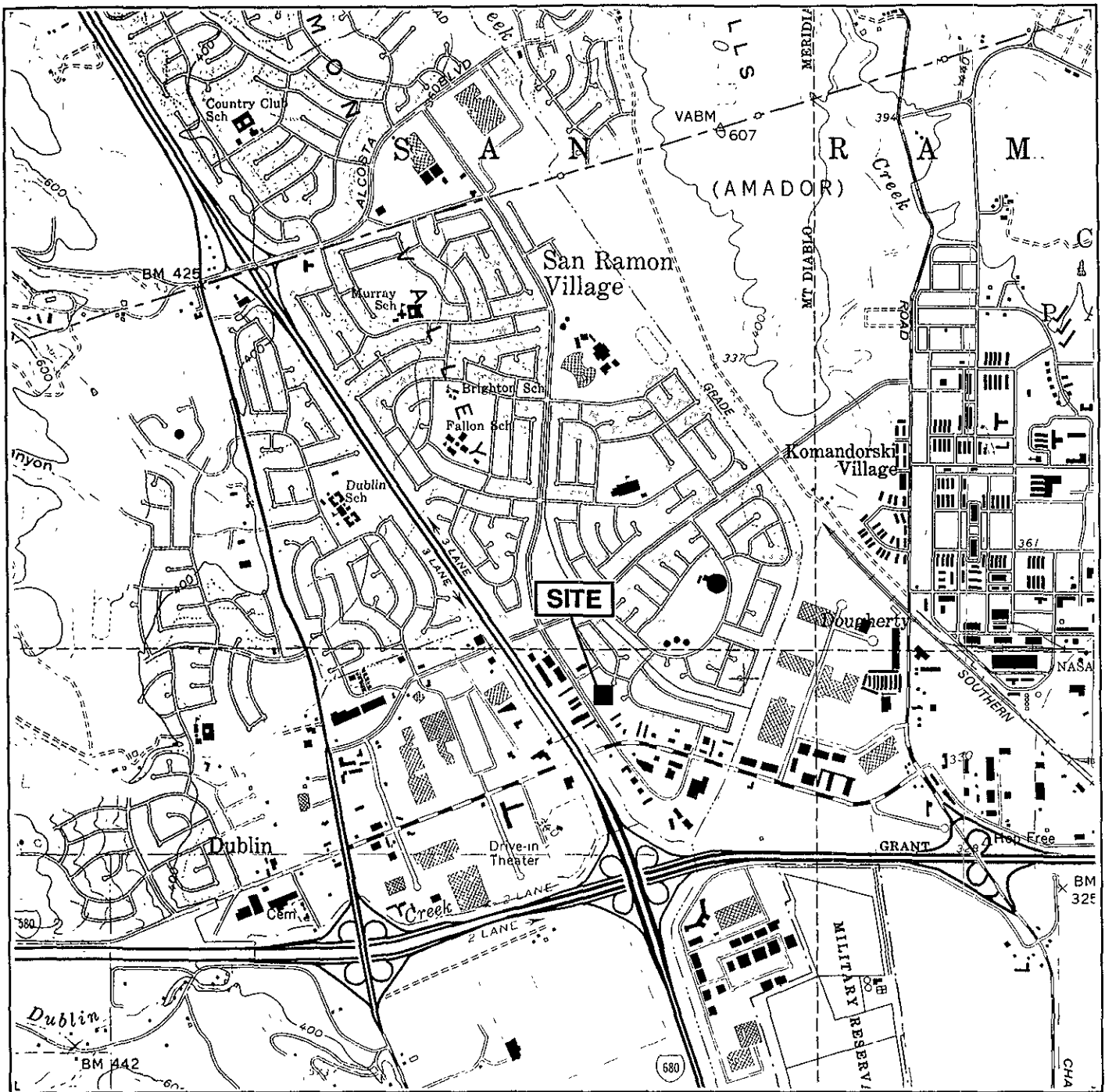
| Well Identification | Date     | Top of Casing Elevation<br>(feet above MSL) | Depth to water<br>(feet below top of casing) | Water Surface Elevation<br>(feet above MSL) |
|---------------------|----------|---|--|---|
| MW-1                | 3/7/94   | 340.8                                       | 9.97   | 330.83                                      |
|                     | 5/27/94  | 340.8                                       | 10.87  | 329.93                                      |
|                     | 6/29/94  | 340.8                                       | 11.58  | 329.22                                      |
|                     | 7/29/94  | 340.8                                       | 11.62  | 329.18                                      |
|                     | 8/25/94  | 340.8                                       | 11.63  | 329.17                                      |
|                     | 10/4/94  | 340.8                                       | 12.03  | 328.77                                      |
|                     | 10/27/94 | 340.8                                       | 11.99  | 328.81                                      |
|                     | 11/29/94 | 340.8                                       | 10.75  | 330.05                                      |
|                     | 1/3/95   | 340.8                                       | 11.06  | 329.74                                      |
|                     | 1/30/95  | 340.8                                       | 7.57   | 333.23                                      |
|                     | 3/7/95   | 340.8                                       | 8.90   | 331.90                                      |
| MW-2                | 3/7/94   | 340.39                                      | 9.71   | 330.68                                      |
|                     | 5/27/94  | 340.39                                      | 10.52  | 329.87                                      |
|                     | 6/29/94  | 340.39                                      | 11.19  | 329.20                                      |
|                     | 7/29/94  | 340.39                                      | 11.22  | 329.17                                      |
|                     | 8/25/94  | 340.39                                      | 11.32  | 329.07                                      |
|                     | 10/4/94  | 340.39                                      | 11.50  | 328.89                                      |
|                     | 10/27/94 | 340.39                                      | 11.76  | 328.63                                      |
|                     | 11/29/94 | 340.39                                      | 10.47  | 329.92                                      |
|                     | 1/3/95   | 340.39                                      | 10.68  | 329.71                                      |
|                     | 1/30/95  | 340.39                                      | 7.18   | 333.21                                      |
|                     | 3/7/95   | 340.39                                      | 8.53   | 331.86                                      |
| MW-3                | 3/7/94   | 340.47                                      | 9.53   | 330.94                                      |
|                     | 5/27/94  | 340.47                                      | 10.43  | 330.04                                      |
|                     | 6/29/94  | 340.47                                      | 11.20  | 329.27                                      |
|                     | 7/29/94  | 340.47                                      | 11.29  | 329.18                                      |
|                     | 8/25/94  | 340.47                                      | 11.26  | 329.21                                      |
|                     | 10/4/94  | 340.47                                      | 11.55  | 328.92                                      |
|                     | 10/27/94 | 340.47                                      | 11.73  | 328.74                                      |
|                     | 11/29/94 | 340.47                                      | 10.40  | 330.07                                      |
|                     | 1/3/95   | 340.47                                      | 10.62  | 329.85                                      |
|                     | 1/30/95  | 340.47                                      | 6.86   | 333.61                                      |
|                     | 3/7/95   | 340.47                                      | 5.56   | 334.91                                      |

TABLE - 2

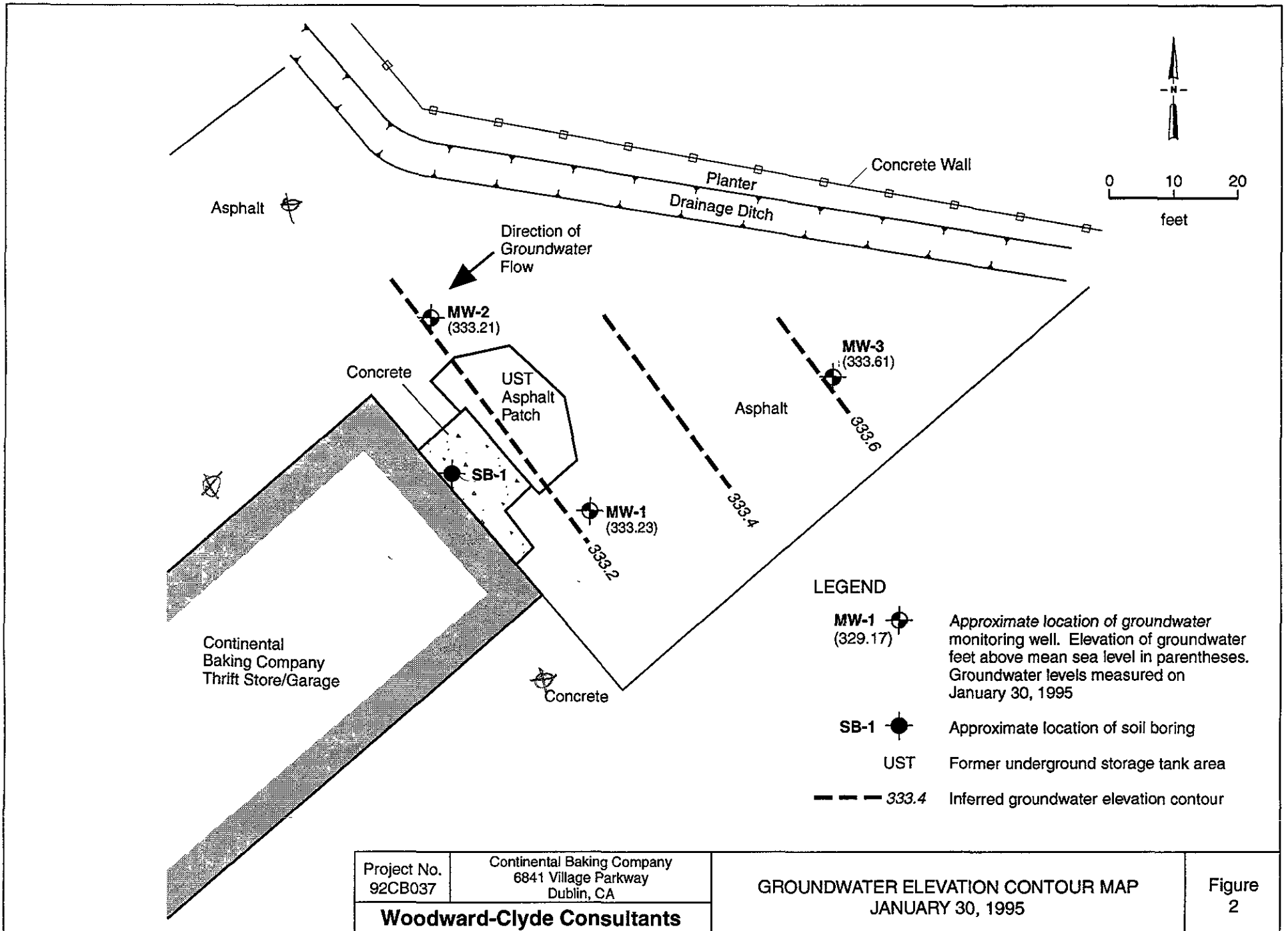
SUMMARY OF ANALYTICAL RESULTS  
CONTINENTAL BAKING COMPANY, DUBLIN, CALIFORNIA

| Parameters  |          | TPH diesel | TPH BTEX    |             |               |              |
|-------------|----------|------------|-------------|-------------|---------------|--------------|
| EPA Method  | Units    |            | benzene     | toluene     | ethyl-benzene | tot. xylenes |
|             |          | 8015       | 8020        |             |               |              |
|             |          | (µg/L)     | (µg/L)      |             |               |              |
| Well Number | Date     |            |             |             |               |              |
| MW-1        | 3/7/94   | 210/230    | 0.50/<0.50  | 0.50/<0.50  | 0.50/<0.50    | 0.50/<0.50   |
|             | 5/27/94  | 210        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 8/25/94  | 120        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 11/29/94 | 110/120    | <0.50/<0.50 | <0.50/<0.50 | <0.50/<0.50   | <0.50/<0.50  |
|             | 3/7/95   | 200        | <0.50       | <0.50       | <0.50         | <0.50        |
| MW-2        | 3/7/94   | 240        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 5/27/94  | 240/210    | 0.50/<0.5   | 0.50/<0.5   | 0.50/<0.5     | 0.50/<0.5    |
|             | 8/25/94  | 280        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 11/29/94 | 240        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 3/7/95   | 600/480    | <0.50/<0.50 | <0.50/<0.50 | <0.50/<0.50   | <0.50/<0.50  |
| MW-3        | 3/7/94   | <50        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 5/27/94  | <50        | 0.56        | <0.50       | <0.50         | 1.56         |
|             | 8/25/94  | <50/<50    | <0.50/<0.50 | <0.50/<0.50 | <0.50/<0.50   | <0.50/<0.50  |
|             | 11/29/94 | <50        | <0.50       | <0.50       | <0.50         | <0.50        |
|             | 3/7/95   | <50        | <0.50       | <0.50       | <0.50         | <0.50        |

Results of duplicate sample analyses are shown by a dash ("/")



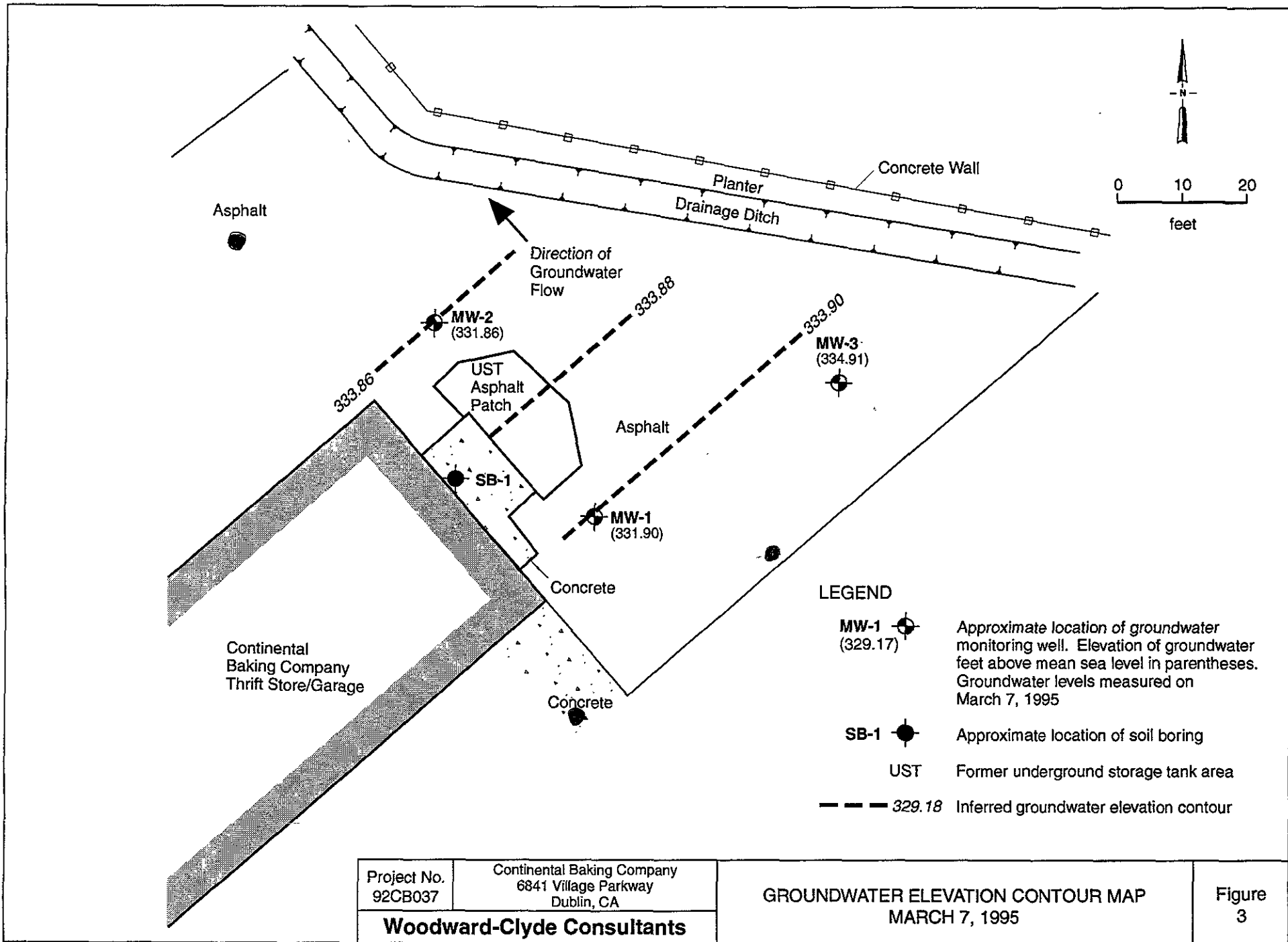
|                                   |  |               |             |
|-----------------------------------|--|---------------|-------------|
| Project No.<br>92CB037            | Continental Baking Company<br>6841 Village Parkway<br>Dublin, California | SITE LOCATION | Figure<br>1 |
| <b>Woodward-Clyde Consultants</b> |  |               |             |



|                                   |  |
|-----------------------------------|--|
| Project No.<br>92CB037            | Continental Baking Company<br>6841 Village Parkway<br>Dublin, CA |
| <b>Woodward-Clyde Consultants</b> |  |

**GROUNDWATER ELEVATION CONTOUR MAP**  
JANUARY 30, 1995

**Figure**  
2



|                                   |  |  |             |
|-----------------------------------|--|--|-------------|
| Project No.<br>92CB037            | Continental Baking Company<br>6841 Village Parkway<br>Dublin, CA | GROUNDWATER ELEVATION CONTOUR MAP<br>MARCH 7, 1995 | Figure<br>3 |
| <b>Woodward-Clyde Consultants</b> |  |  |             |



Sample No.

## WATER SAMPLE LOG

Sample No. MW-1

Project No.: 92CB037-0014 Date: 3/7/95

Project Name: CBC - Dublin

Sample Location: MW-1

Well Description: 4" PVC w/locking cap

Weather Conditions: clear

Observations / Comments: 7/16" wrench and dolphin key to access  
purge w/ centrifugal pump

## Quality Assurance

Sampling Method: Disposable bailer

Method to Measure Water Level: 200' Solinst sounder

Pump Lines: (New) / Cleaned Bailor Lines: (New) / Cleaned

Method of cleaning Pump / Bailor: N/A

pH Meter No.: 0239177 Calibrated 4.00/10.01

Specific Conductance Meter No.: 13749 Calibrated red-lined

Comments: TD = 17.79 - 8.90 = 8.89 x 6.53 = 5.8 x 4 = 23.2 gallons

## Sampling Measurements

Water Level (below MP) at Start: 8.90 End: 8.94

Measuring Point (MP): Notch @ Top of Casing

| Time  | Discharge (gallons) | pH   | Temp. (°C) | Specific Conductance (µmhos / cm) | Turbidity | Color | Odor | Comments |
|-------|---------------------|------|------------|-----------------------------------|-----------|-------|------|----------|
| 13:21 | 4                   | 6.90 | 20.1       | 7400                              | CLR       | 12    | ND   |          |
| 13:25 | 8                   | 6.94 | 20         | 7000                              | "         | 22    | "    |          |
| 13:42 | 12                  | 6.94 | 20.5       | 7900                              | "         | 20    | "    |          |
| 13:44 | 16                  | 6.94 | 20.3       | 7800                              | "         | 34    | "    |          |
| 14:02 | 20                  | 6.97 | 20.2       | 7700                              | "         | 29    | "    |          |
| 14:05 | 24                  | 6.95 | 20.3       | 7800                              | "         | 33    | "    |          |
| 14:54 | A.S.                | 6.94 | 20.2       | 7700                              | 8         | CLR   | ND   |          |

Total Discharge: 24.5 gallons Casing Volumes Removed: 4.22

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: 6/450; 3-40 ml. vials (BTEX), 2-1 liter  
ambers (TPH diesel), and 2-1 liter ambers (PNA's)

Collected by: J. HAUS

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014  
(415) 893-3600

Sample No.

# WATER SAMPLE LOG

Sample No. MW-2

Project No.: 92CB037-0014 Date: 3/7/95

Project Name: CBC - Dublin

Sample Location: MW-2

Well Description: 4" PVC w/ locking cap

Weather Conditions: clear

Observations / Comments: 1/4" wrench and Dolphin key to access  
Purged w/ centrifugal pump

### Quality Assurance

Sampling Method: Disposable bailer  
Method to Measure Water Level: 200' Solinst sounder

Pump Lines: New / Cleaned Bailer Lines: New / Cleaned

Method of cleaning Pump / Bailer: N/A

pH Meter No.: 023 9177 Calibrated 4.00/10.01

Specific Conductance Meter No.: 13749 Calibrated red-lined

Comments: TD = 17.67 - 8.53 = 9.14 x .653 = 5.97 x 4 = 23.9 gallons

### Sampling Measurements

Water Level (below MP) at Start: ~~8.53~~ <sup>8.53</sup> End: 8.60  
Measuring Point (MP): Notch @ Top of Casing

| Time  | Discharge (gallons) | pH   | Temp. (°C) | Specific Conductance (µmhos / cm) | Turbidity | Color | Odor | Comments |
|-------|---------------------|------|------------|-----------------------------------|-----------|-------|------|----------|
| 1330  | 4                   | 6.94 | 19.5       | 6200                              | 13        | CLR   | ND   |          |
| 1334  | 8                   | 6.75 | 19.5       | 6900                              | 37        | CLR   | "    |          |
| 1348  | 12                  | 6.91 | 19.7       | 7700                              | 34        | "     | "    |          |
| 1351  | 16                  | 6.96 | 19.5       | 6900                              | 51        | "     | "    |          |
| 14:10 | 20                  | 6.99 | 19.7       | 7400                              | 46        | "     | "    |          |
| 14:13 | 24                  | 6.97 | 19.6       | 7000                              | 48        | "     | "    |          |
| 15:45 | A.S.                | 6.95 | 19.6       | 7000                              | 12        | CLR   | ND   |          |

Total Discharge: 25 gallons Casing Volumes Removed: 4.19

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: @ 15:40; 3-40 ml. VOA's (DTEX), 2-1 liter  
ampers (TPH diesel), and 2-1 liter ampers (PNA's)

\*Duplicate labeled MW-4E14:30  
Collected by: J. HANS  
Woodward-Clyde Consultants  
500 12th Street, Suite 100, Oakland, CA 94607-4014  
(415) 893-3600

Sample No.

# WATER SAMPLE LOG

Sample No. MW-3

Project No.: 92CB037-0014

Date: 3/7/95

Project Name: CBC - Dublin

Sample Location: MW-3

Well Description: 4" PVC w/locking cap

Weather Conditions: clear

Observations / Comments: 7/16" wrench and Dolphin key to access  
Purged w/centrifugal pump

### Quality Assurance

Sampling Method: Disposable bailer

Method to Measure Water Level: 200' Solinst sounder

Pump Lines: New / Cleaned

Bailer Lines: New / Cleaned

Method of cleaning Pump / Bailer: N/A

pH Meter No.: 0239177

Calibrated 4.00/10.01

Specific Conductance Meter No.: 13749

Calibrated red-lined

Comments: TD = 17.72 - 8.35 = 9.37 x 6.53 = 6.12 x 4 = 24.5 gallons

### Sampling Measurements

Water Level (below MP) at Start: J.H. 8.35  
8.53 End: 8.40

Measuring Point (MP): Notch @ Top of Casing

| Time  | Discharge (gallons) | pH   | Temp. (°C) | Specific Conductance (µmhos / cm) | Turbidity  | Color | Odor | Comments |
|-------|---------------------|------|------------|-----------------------------------|------------|-------|------|----------|
| 13:10 | 5                   | 7.00 | 21         | 9200                              | 8.5<br>200 | CLR   | ND   |          |
| 13:14 | 9                   | 7.04 | 20.5       | 8800                              | 17         | CLR   | "    |          |
| 13:37 | 13                  | 6.77 | 20.2       | 9700                              | 23         | "     | "    |          |
| 13:39 | 17                  | 7.03 | 19.9       | 9000                              | 31         | "     | "    |          |
| 13:56 | 21                  | 7.12 | 20.0       | 9300                              | 34         | "     | "    |          |
| 13:58 | 25                  | 7.07 | 19.8       | 9000                              | 29         | "     | "    |          |
| 15:15 | A.S.                | 7.04 | 19.9       | 9300                              | 11         | CLR   | ND   |          |

Total Discharge: 25.5 gallons Casing Volumes Removed: 4.17

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: @15:10; 3-40 ml. VOA's (STEX), 2-1 liter  
ambers (TPH diesel), and 2-1 liter ambers (PNA's)

Collected by: J. LAUS

**Woodward-Clyde Consultants**  
500 12th Street, Suite 100, Oakland, CA 94607-4014  
(415) 893-3800



# Inchcape Testing Services

## Anamatrix Laboratories

1961 Concourse Drive  
 Suite E  
 San Jose, CA 95131  
 Tel: 408-432-8192  
 Fax: 408-432-8198

MS. JO BETH FOLGER  
 WOODWARD-CLYDE CONSULTANTS  
 500 12TH STREET, SUITE 100  
 OAKLAND, CA 94607-4041

Workorder # : 9503100  
 Date Received : 03/08/95  
 Project ID : 92CB037/0014  
 Purchase Order: N/A

The following samples were received at Anamatrix for analysis :

| ANAMATRIX ID | CLIENT SAMPLE ID |
|--------------|------------------|
| 9503100- 1   | T.BLANK          |
| 9503100- 2   | MW-4             |
| 9503100- 3   | MW-1             |
| 9503100- 4   | MW-3             |
| 9503100- 5   | MW-2             |

This report is organized in sections according to the specific Anamatrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anamatrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

*Susan Kraska Jeager*

Susan Kraska Jeager  
 Laboratory Director

3-20-95

Date

*Cristina V. Rayburn*

Project Manager

This report consists of 26 pages.



## GC/MS REPORT DESCRIPTION

### **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 Inchcape Testing Services 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 to Inchcape Testing Services. 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. 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 labeled "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**

Inchcape Testing Services 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 estimated 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 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 form. 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

MS. JO BETH FOLGER  
WOODWARD-CLYDE CONSULTANTS  
500 12TH STREET, SUITE 100  
OAKLAND, CA 94607-4041

Workorder # : 9503100  
Date Received : 03/08/95  
Project ID : 92CB037/0014  
Purchase Order: N/A  
Department : GCMS  
Sub-Department: GCMS

SAMPLE INFORMATION:

| ANAMETRIX<br>SAMPLE ID | CLIENT<br>SAMPLE ID | MATRIX | DATE<br>SAMPLED | METHOD |
|------------------------|---------------------|--------|-----------------|--------|
| 9503100- 2             | MW-4                | WATER  | 03/07/95        | 8270   |
| 9503100- 3             | MW-1                | WATER  | 03/07/95        | 8270   |
| 9503100- 4             | MW-3                | WATER  | 03/07/95        | 8270   |
| 9503100- 5             | MW-2                | WATER  | 03/07/95        | 8270   |

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

MS. JO BETH FOLGER  
WOODWARD-CLYDE CONSULTANTS  
500 12TH STREET, SUITE 100  
OAKLAND, CA 94607-4041

Workorder # : 9503100  
Date Received : 03/08/95  
Project ID : 92CB037/0014  
Purchase Order: N/A  
Department : GCMS  
Sub-Department: GCMS

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.
- The percent recovery of Terphenyl-d14 is outside established limits in the EPA Method 8270 analysis of sample MW-2. The sample was reanalyzed and yielded similar results. Only original analysis is reported.

*Michelle* 3.17.95  
Department Supervisor Date

*Craig G. Solano* 3/17/95  
Chemist Date

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

Project ID : 92CB037/  
Sample ID : MW-4  
Matrix : WATER  
Date Sampled : 3/ 7/95  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/16/95  
Instrument ID : MSD4

Anametrix ID : 9503100-02  
Analyst : *dl*  
Supervisor : *wlx*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME                | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|------------------------------|-----------------|-----------------|---|
| 62-75-9   | N-Nitrosodimethylamine       | 10.             | ND              | U |
| 108-95-2  | Phenol                       | 10.             | ND              | U |
| 4165-61-1 | Aniline                      | 10.             | ND              | U |
| 111-44-4  | bis(2-Chloroethyl)ether      | 10.             | ND              | U |
| 95-57-8   | 2-Chlorophenol               | 10.             | ND              | U |
| 541-73-1  | 1,3-Dichlorobenzene          | 10.             | ND              | U |
| 106-46-7  | 1,4-Dichlorobenzene          | 10.             | ND              | U |
| 100-51-6  | Benzyl Alcohol               | 10.             | ND              | U |
| 95-48-7   | 2-Methylphenol               | 10.             | ND              | U |
| 95-50-1   | 1,2-Dichlorobenzene          | 10.             | ND              | U |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) | 10.             | ND              | U |
| 106-44-5  | 4-Methylphenol               | 10.             | ND              | U |
| 621-64-7  | N-Nitroso-di-n-propylamine   | 10.             | ND              | U |
| 67-72-1   | Hexachloroethane             | 10.             | ND              | U |
| 98-95-3   | Nitrobenzene                 | 10.             | ND              | U |
| 78-59-1   | Isophorone                   | 10.             | ND              | U |
| 105-67-9  | 2,4-Dimethylphenol           | 10.             | ND              | U |
| 88-75-5   | 2-Nitrophenol                | 10.             | ND              | U |
| 65-85-0   | Benzoic Acid                 | 50.             | ND              | U |
| 111-91-1  | bis(2-Chloroethoxy)methane   | 10.             | ND              | U |
| 120-83-2  | 2,4-Dichlorophenol           | 10.             | ND              | U |
| 120-82-1  | 1,2,4-Trichlorobenzene       | 10.             | ND              | U |
| 91-20-3   | Naphthalene                  | 10.             | ND              | U |
| 106-47-8  | 4-Chloroaniline              | 10.             | ND              | U |
| 87-68-3   | Hexachlorobutadiene          | 10.             | ND              | U |
| 59-50-7   | 4-Chloro-3-methylphenol      | 10.             | ND              | U |
| 91-57-6   | 2-Methylnaphthalene          | 10.             | ND              | U |
| 77-47-4   | Hexachlorocyclopentadiene    | 10.             | ND              | U |
| 88-06-2   | 2,4,6-Trichlorophenol        | 10.             | ND              | U |
| 95-95-4   | 2,4,5-Trichlorophenol        | 50.             | ND              | U |
| 91-58-7   | 2-Chloronaphthalene          | 10.             | ND              | U |
| 88-74-4   | 2-Nitroaniline               | 50.             | ND              | U |
| 131-11-3  | Dimethylphthalate            | 10.             | ND              | U |



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

Project ID : 92CB037/  
 Sample ID : MW-4  
 Matrix : WATER  
 Date Sampled : 3/ 7/95  
 Date Extracted : 3/13/95  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 3/16/95  
 Instrument ID : MSD4

Anamatrix ID : 9503100-02  
 Analyst : *CA*  
 Supervisor : *M&J*

Dilution Factor : 1.0  
 Conc. Units : ug/L

| CAS No.   | COMPOUND NAME              | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|----------------------------|-----------------|-----------------|---|
| 606-20-2  | 2,6-Dinitrotoluene         | 10.             | ND              | U |
| 208-96-8  | Acenaphthylene             | 10.             | ND              | U |
| 99-09-2   | 3-Nitroaniline             | 50.             | ND              | U |
| 83-32-9   | Acenaphthene               | 10.             | ND              | U |
| 51-28-5   | 2,4-Dinitrophenol          | 50.             | ND              | U |
| 100-02-7  | 4-Nitrophenol              | 50.             | ND              | U |
| 132-64-9  | Dibenzofuran               | 10.             | ND              | U |
| 121-14-2  | 2,4-Dinitrotoluene         | 10.             | ND              | U |
| 84-66-2   | Diethylphthalate           | 10.             | ND              | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.             | ND              | U |
| 86-73-7   | Fluorene                   | 10.             | ND              | U |
| 100-01-6  | 4-Nitroaniline             | 50.             | ND              | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 50.             | ND              | U |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 10.             | ND              | U |
| 103-33-3  | Azobenzene                 | 10.             | ND              | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10.             | ND              | U |
| 118-74-1  | Hexachlorobenzene          | 10.             | ND              | U |
| 87-86-5   | Pentachlorophenol          | 50.             | ND              | U |
| 85-01-8   | Phenanthrene               | 10.             | ND              | U |
| 120-12-7  | Anthracene                 | 10.             | ND              | U |
| 84-74-2   | Di-n-butylphthalate        | 10.             | ND              | U |
| 206-44-0  | Fluoranthene               | 10.             | ND              | U |
| 92-87-5   | Benzydine                  | 10.             | ND              | U |
| 129-00-0  | Pyrene                     | 10.             | ND              | U |
| 85-68-7   | Butylbenzylphthalate       | 10.             | ND              | U |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 10.             | 17.             | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 20.             | ND              | U |
| 56-55-3   | Benzo(a)anthracene         | 10.             | ND              | U |
| 218-01-9  | Chrysene                   | 10.             | ND              | U |
| 117-84-0  | Di-n-octylphthalate        | 10.             | ND              | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10.             | ND              | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10.             | ND              | U |
| 50-32-8   | Benzo(a)pyrene             | 10.             | ND              | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10.             | ND              | U |
| 53-70-3   | Dibenz(a,h)anthracene      | 10.             | ND              | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10.             | ND              | U |

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

Project ID : 92CB037/  
Sample ID : MW-1  
Matrix : WATER  
Date Sampled : 3/ 7/95  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/17/95  
Instrument ID : MSD4

Anamatrix ID : 9503100-03  
Analyst : *AL*  
Supervisor : *WCT*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME                | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|------------------------------|-----------------|-----------------|---|
| 62-75-9   | N-Nitrosodimethylamine       | 10.             | ND              | U |
| 108-95-2  | Phenol                       | 10.             | ND              | U |
| 4165-61-1 | Aniline                      | 10.             | ND              | U |
| 111-44-4  | bis(2-Chloroethyl) ether     | 10.             | ND              | U |
| 95-57-8   | 2-Chlorophenol               | 10.             | ND              | U |
| 541-73-1  | 1,3-Dichlorobenzene          | 10.             | ND              | U |
| 106-46-7  | 1,4-Dichlorobenzene          | 10.             | ND              | U |
| 100-51-6  | Benzyl Alcohol               | 10.             | ND              | U |
| 95-48-7   | 2-Methylphenol               | 10.             | ND              | U |
| 95-50-1   | 1,2-Dichlorobenzene          | 10.             | ND              | U |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) | 10.             | ND              | U |
| 106-44-5  | 4-Methylphenol               | 10.             | ND              | U |
| 621-64-7  | N-Nitroso-di-n-propylamine   | 10.             | ND              | U |
| 67-72-1   | Hexachloroethane             | 10.             | ND              | U |
| 98-95-3   | Nitrobenzene                 | 10.             | ND              | U |
| 78-59-1   | Isophorone                   | 10.             | ND              | U |
| 105-67-9  | 2,4-Dimethylphenol           | 10.             | ND              | U |
| 88-75-5   | 2-Nitrophenol                | 10.             | ND              | U |
| 65-85-0   | Benzoic Acid                 | 50.             | ND              | U |
| 111-91-1  | bis(2-Chloroethoxy)methane   | 10.             | ND              | U |
| 120-83-2  | 2,4-Dichlorophenol           | 10.             | ND              | U |
| 120-82-1  | 1,2,4-Trichlorobenzene       | 10.             | ND              | U |
| 91-20-3   | Naphthalene                  | 10.             | ND              | U |
| 106-47-8  | 4-Chloroaniline              | 10.             | ND              | U |
| 87-68-3   | Hexachlorobutadiene          | 10.             | ND              | U |
| 59-50-7   | 4-Chloro-3-methylphenol      | 10.             | ND              | U |
| 91-57-6   | 2-Methylnaphthalene          | 10.             | ND              | U |
| 77-47-4   | Hexachlorocyclopentadiene    | 10.             | ND              | U |
| 88-06-2   | 2,4,6-Trichlorophenol        | 10.             | ND              | U |
| 95-95-4   | 2,4,5-Trichlorophenol        | 50.             | ND              | U |
| 91-58-7   | 2-Chloronaphthalene          | 10.             | ND              | U |
| 88-74-4   | 2-Nitroaniline               | 50.             | ND              | U |
| 131-11-3  | Dimethylphthalate            | 10.             | ND              | U |

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

Project ID : 92CB037/  
Sample ID : MW-1  
Matrix : WATER  
Date Sampled : 3/ 7/95  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/17/95  
Instrument ID : MSD4

Anamatrix ID : 9503100-03  
Analyst : *BJ*  
Supervisor : *met*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME              | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|----------------------------|-----------------|-----------------|---|
| 606-20-2  | 2,6-Dinitrotoluene         | 10.             | ND              | U |
| 208-96-8  | Acenaphthylene             | 10.             | ND              | U |
| 99-09-2   | 3-Nitroaniline             | 50.             | ND              | U |
| 83-32-9   | Acenaphthene               | 10.             | ND              | U |
| 51-28-5   | 2,4-Dinitrophenol          | 50.             | ND              | U |
| 100-02-7  | 4-Nitrophenol              | 50.             | ND              | U |
| 132-64-9  | Dibenzofuran               | 10.             | ND              | U |
| 121-14-2  | 2,4-Dinitrotoluene         | 10.             | ND              | U |
| 84-66-2   | Diethylphthalate           | 10.             | ND              | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.             | ND              | U |
| 86-73-7   | Fluorene                   | 10.             | ND              | U |
| 100-01-6  | 4-Nitroaniline             | 50.             | ND              | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 50.             | ND              | U |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 10.             | ND              | U |
| 103-33-3  | Azobenzene                 | 10.             | ND              | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10.             | ND              | U |
| 118-74-1  | Hexachlorobenzene          | 10.             | ND              | U |
| 87-86-5   | Pentachlorophenol          | 50.             | ND              | U |
| 85-01-8   | Phenanthrene               | 10.             | ND              | U |
| 120-12-7  | Anthracene                 | 10.             | ND              | U |
| 84-74-2   | Di-n-butylphthalate        | 10.             | ND              | U |
| 206-44-0  | Fluoranthene               | 10.             | ND              | U |
| 92-87-5   | Benzidine                  | 10.             | ND              | U |
| 129-00-0  | Pyrene                     | 10.             | ND              | U |
| 85-68-7   | Butylbenzylphthalate       | 10.             | 11.             |   |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 10.             | 14.             |   |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 20.             | ND              | U |
| 56-55-3   | Benzo(a)anthracene         | 10.             | ND              | U |
| 218-01-9  | Chrysene                   | 10.             | ND              | U |
| 117-84-0  | Di-n-octylphthalate        | 10.             | ND              | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10.             | ND              | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10.             | ND              | U |
| 50-32-8   | Benzo(a)pyrene             | 10.             | ND              | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10.             | ND              | U |
| 53-70-3   | Dibenz(a,h)anthracene      | 10.             | ND              | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10.             | ND              | U |

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

Project ID : 92CB037/  
Sample ID : MW-3  
Matrix : WATER  
Date Sampled : 3/ 7/95  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/16/95  
Instrument ID : MSD4

Anamatrix ID : 9503100-04  
Analyst : *cl*  
Supervisor : *met*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME                | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|------------------------------|-----------------|-----------------|---|
| 62-75-9   | N-Nitrosodimethylamine       | 10.             | ND              | U |
| 108-95-2  | Phenol                       | 10.             | ND              | U |
| 4165-61-1 | Aniline                      | 10.             | ND              | U |
| 111-44-4  | bis(2-Chloroethyl) ether     | 10.             | ND              | U |
| 95-57-8   | 2-Chlorophenol               | 10.             | ND              | U |
| 541-73-1  | 1,3-Dichlorobenzene          | 10.             | ND              | U |
| 106-46-7  | 1,4-Dichlorobenzene          | 10.             | ND              | U |
| 100-51-6  | Benzyl Alcohol               | 10.             | ND              | U |
| 95-48-7   | 2-Methylphenol               | 10.             | ND              | U |
| 95-50-1   | 1,2-Dichlorobenzene          | 10.             | ND              | U |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) | 10.             | ND              | U |
| 106-44-5  | 4-Methylphenol               | 10.             | ND              | U |
| 621-64-7  | N-Nitroso-di-n-propylamine   | 10.             | ND              | U |
| 67-72-1   | Hexachloroethane             | 10.             | ND              | U |
| 98-95-3   | Nitrobenzene                 | 10.             | ND              | U |
| 78-59-1   | Isophorone                   | 10.             | ND              | U |
| 105-67-9  | 2,4-Dimethylphenol           | 10.             | ND              | U |
| 88-75-5   | 2-Nitrophenol                | 10.             | ND              | U |
| 65-85-0   | Benzoic Acid                 | 50.             | ND              | U |
| 111-91-1  | bis(2-Chloroethoxy)methane   | 10.             | ND              | U |
| 120-83-2  | 2,4-Dichlorophenol           | 10.             | ND              | U |
| 120-82-1  | 1,2,4-Trichlorobenzene       | 10.             | ND              | U |
| 91-20-3   | Naphthalene                  | 10.             | ND              | U |
| 106-47-8  | 4-Chloroaniline              | 10.             | ND              | U |
| 87-68-3   | Hexachlorobutadiene          | 10.             | ND              | U |
| 59-50-7   | 4-Chloro-3-methylphenol      | 10.             | ND              | U |
| 91-57-6   | 2-Methylnaphthalene          | 10.             | ND              | U |
| 77-47-4   | Hexachlorocyclopentadiene    | 10.             | ND              | U |
| 88-06-2   | 2,4,6-Trichlorophenol        | 10.             | ND              | U |
| 95-95-4   | 2,4,5-Trichlorophenol        | 50.             | ND              | U |
| 91-58-7   | 2-Chloronaphthalene          | 10.             | ND              | U |
| 88-74-4   | 2-Nitroaniline               | 50.             | ND              | U |
| 131-11-3  | Dimethylphthalate            | 10.             | ND              | U |

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

Project ID : 92CB037/  
 Sample ID : MW-3  
 Matrix : WATER  
 Date Sampled : 3/ 7/95  
 Date Extracted : 3/13/95  
 Amount Extracted : 1000.0 mL  
 Date Analyzed : 3/16/95  
 Instrument ID : MSD4

Anamatrix ID : 9503100-04  
 Analyst : *cl*  
 Supervisor : *WLT*  
 Dilution Factor : 1.0  
 Conc. Units : ug/L

| CAS No.   | COMPOUND NAME              | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|----------------------------|-----------------|-----------------|---|
| 606-20-2  | 2,6-Dinitrotoluene         | 10.             | ND              | U |
| 208-96-8  | Acenaphthylene             | 10.             | ND              | U |
| 99-09-2   | 3-Nitroaniline             | 50.             | ND              | U |
| 83-32-9   | Acenaphthene               | 10.             | ND              | U |
| 51-28-5   | 2,4-Dinitrophenol          | 50.             | ND              | U |
| 100-02-7  | 4-Nitrophenol              | 50.             | ND              | U |
| 132-64-9  | Dibenzofuran               | 10.             | ND              | U |
| 121-14-2  | 2,4-Dinitrotoluene         | 10.             | ND              | U |
| 84-66-2   | Diethylphthalate           | 10.             | ND              | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.             | ND              | U |
| 86-73-7   | Fluorene                   | 10.             | ND              | U |
| 100-01-6  | 4-Nitroaniline             | 50.             | ND              | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 50.             | ND              | U |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 10.             | ND              | U |
| 103-33-3  | Azobenzene                 | 10.             | ND              | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10.             | ND              | U |
| 118-74-1  | Hexachlorobenzene          | 10.             | ND              | U |
| 87-86-5   | Pentachlorophenol          | 50.             | ND              | U |
| 85-01-8   | Phenanthrene               | 10.             | ND              | U |
| 120-12-7  | Anthracene                 | 10.             | ND              | U |
| 84-74-2   | Di-n-butylphthalate        | 10.             | ND              | U |
| 206-44-0  | Fluoranthene               | 10.             | ND              | U |
| 92-87-5   | Benzydine                  | 10.             | ND              | U |
| 129-00-0  | Pyrene                     | 10.             | ND              | U |
| 85-68-7   | Butylbenzylphthalate       | 10.             | ND              | U |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 10.             | 44.             | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 20.             | ND              | U |
| 56-55-3   | Benzo(a)anthracene         | 10.             | ND              | U |
| 218-01-9  | Chrysene                   | 10.             | ND              | U |
| 117-84-0  | Di-n-octylphthalate        | 10.             | ND              | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10.             | ND              | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10.             | ND              | U |
| 50-32-8   | Benzo(a)pyrene             | 10.             | ND              | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10.             | ND              | U |
| 53-70-3   | Dibenz(a,h)anthracene      | 10.             | ND              | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10.             | ND              | U |

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

Project ID : 92CB037/  
Sample ID : MW-2  
Matrix : WATER  
Date Sampled : 3/ 7/95  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/16/95  
Instrument ID : MSD4

Anamatrix ID : 9503100-05  
Analyst : *ca*  
Supervisor : *MJT*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME                | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|------------------------------|-----------------|-----------------|---|
| 62-75-9   | N-Nitrosodimethylamine       | 10.             | ND              | U |
| 108-95-2  | Phenol                       | 10.             | ND              | U |
| 4165-61-1 | Aniline                      | 10.             | ND              | U |
| 111-44-4  | bis(2-Chloroethyl) ether     | 10.             | ND              | U |
| 95-57-8   | 2-Chlorophenol               | 10.             | ND              | U |
| 541-73-1  | 1,3-Dichlorobenzene          | 10.             | ND              | U |
| 106-46-7  | 1,4-Dichlorobenzene          | 10.             | ND              | U |
| 100-51-6  | Benzyl Alcohol               | 10.             | ND              | U |
| 95-48-7   | 2-Methylphenol               | 10.             | ND              | U |
| 95-50-1   | 1,2-Dichlorobenzene          | 10.             | ND              | U |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) | 10.             | ND              | U |
| 106-44-5  | 4-Methylphenol               | 10.             | ND              | U |
| 621-64-7  | N-Nitroso-di-n-propylamine   | 10.             | ND              | U |
| 67-72-1   | Hexachloroethane             | 10.             | ND              | U |
| 98-95-3   | Nitrobenzene                 | 10.             | ND              | U |
| 78-59-1   | Isophorone                   | 10.             | ND              | U |
| 105-67-9  | 2,4-Dimethylphenol           | 10.             | ND              | U |
| 88-75-5   | 2-Nitrophenol                | 10.             | ND              | U |
| 65-85-0   | Benzoic Acid                 | 50.             | ND              | U |
| 111-91-1  | bis(2-Chloroethoxy)methane   | 10.             | ND              | U |
| 120-83-2  | 2,4-Dichlorophenol           | 10.             | ND              | U |
| 120-82-1  | 1,2,4-Trichlorobenzene       | 10.             | ND              | U |
| 91-20-3   | Naphthalene                  | 10.             | ND              | U |
| 106-47-8  | 4-Chloroaniline              | 10.             | ND              | U |
| 87-68-3   | Hexachlorobutadiene          | 10.             | ND              | U |
| 59-50-7   | 4-Chloro-3-methylphenol      | 10.             | ND              | U |
| 91-57-6   | 2-Methylnaphthalene          | 10.             | ND              | U |
| 77-47-4   | Hexachlorocyclopentadiene    | 10.             | ND              | U |
| 88-06-2   | 2,4,6-Trichlorophenol        | 10.             | ND              | U |
| 95-95-4   | 2,4,5-Trichlorophenol        | 50.             | ND              | U |
| 91-58-7   | 2-Chloronaphthalene          | 10.             | ND              | U |
| 88-74-4   | 2-Nitroaniline               | 50.             | ND              | U |
| 131-11-3  | Dimethylphthalate            | 10.             | ND              | U |

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

Project ID : 92CB037/  
Sample ID : MW-2  
Matrix : WATER  
Date Sampled : 3/ 7/95  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/16/95  
Instrument ID : MSD4

Anamatrix ID : 9503100-05  
Analyst : *WJ*  
Supervisor : *WJ*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME              | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|----------------------------|-----------------|-----------------|---|
| 606-20-2  | 2,6-Dinitrotoluene         | 10.             | ND              | U |
| 208-96-8  | Acenaphthylene             | 10.             | ND              | U |
| 99-09-2   | 3-Nitroaniline             | 50.             | ND              | U |
| 83-32-9   | Acenaphthene               | 10.             | ND              | U |
| 51-28-5   | 2,4-Dinitrophenol          | 50.             | ND              | U |
| 100-02-7  | 4-Nitrophenol              | 50.             | ND              | U |
| 132-64-9  | Dibenzofuran               | 10.             | ND              | U |
| 121-14-2  | 2,4-Dinitrotoluene         | 10.             | ND              | U |
| 84-66-2   | Diethylphthalate           | 10.             | ND              | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.             | ND              | U |
| 86-73-7   | Fluorene                   | 10.             | ND              | U |
| 100-01-6  | 4-Nitroaniline             | 50.             | ND              | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 50.             | ND              | U |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 10.             | ND              | U |
| 103-33-3  | Azobenzene                 | 10.             | ND              | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10.             | ND              | U |
| 118-74-1  | Hexachlorobenzene          | 10.             | ND              | U |
| 87-86-5   | Pentachlorophenol          | 50.             | ND              | U |
| 85-01-8   | Phenanthrene               | 10.             | ND              | U |
| 120-12-7  | Anthracene                 | 10.             | ND              | U |
| 84-74-2   | Di-n-butylphthalate        | 10.             | ND              | U |
| 206-44-0  | Fluoranthene               | 10.             | ND              | U |
| 92-87-5   | Benzidine                  | 10.             | ND              | U |
| 129-00-0  | Pyrene                     | 10.             | ND              | U |
| 85-68-7   | Butylbenzylphthalate       | 10.             | ND              | U |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 10.             | ND              | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 20.             | ND              | U |
| 56-55-3   | Benzo(a)anthracene         | 10.             | ND              | U |
| 218-01-9  | Chrysene                   | 10.             | ND              | U |
| 117-84-0  | Di-n-octylphthalate        | 10.             | ND              | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10.             | ND              | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10.             | ND              | U |
| 50-32-8   | Benzo(a)pyrene             | 10.             | ND              | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10.             | ND              | U |
| 53-70-3   | Dibenz(a,h)anthracene      | 10.             | ND              | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10.             | ND              | U |

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

Project ID : 92CB30  
Sample ID : SBLKXB  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/16/95  
Instrument ID : MSD5

Anametrix ID : BM1311BA  
Analyst : *ML*  
Supervisor : *WCT*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME                | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|------------------------------|-----------------|-----------------|---|
| 62-75-9   | N-Nitrosodimethylamine       | 10.             | ND              | U |
| 108-95-2  | Phenol                       | 10.             | ND              | U |
| 4165-61-1 | Aniline                      | 10.             | ND              | U |
| 111-44-4  | bis(2-Chloroethyl) ether     | 10.             | ND              | U |
| 95-57-8   | 2-Chlorophenol               | 10.             | ND              | U |
| 541-73-1  | 1,3-Dichlorobenzene          | 10.             | ND              | U |
| 106-46-7  | 1,4-Dichlorobenzene          | 10.             | ND              | U |
| 100-51-6  | Benzyl Alcohol               | 10.             | ND              | U |
| 95-48-7   | 2-Methylphenol               | 10.             | ND              | U |
| 95-50-1   | 1,2-Dichlorobenzene          | 10.             | ND              | U |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) | 10.             | ND              | U |
| 106-44-5  | 4-Methylphenol               | 10.             | ND              | U |
| 621-64-7  | N-Nitroso-di-n-propylamine   | 10.             | ND              | U |
| 67-72-1   | Hexachloroethane             | 10.             | ND              | U |
| 98-95-3   | Nitrobenzene                 | 10.             | ND              | U |
| 78-59-1   | Isophorone                   | 10.             | ND              | U |
| 105-67-9  | 2,4-Dimethylphenol           | 10.             | ND              | U |
| 88-75-5   | 2-Nitrophenol                | 10.             | ND              | U |
| 65-85-0   | Benzoic Acid                 | 50.             | ND              | U |
| 111-91-1  | bis(2-Chloroethoxy)methane   | 10.             | ND              | U |
| 120-83-2  | 2,4-Dichlorophenol           | 10.             | ND              | U |
| 120-82-1  | 1,2,4-Trichlorobenzene       | 10.             | ND              | U |
| 91-20-3   | Naphthalene                  | 10.             | ND              | U |
| 106-47-8  | 4-Chloroaniline              | 10.             | ND              | U |
| 87-68-3   | Hexachlorobutadiene          | 10.             | ND              | U |
| 59-50-7   | 4-Chloro-3-methylphenol      | 10.             | ND              | U |
| 91-57-6   | 2-Methylnaphthalene          | 10.             | ND              | U |
| 77-47-4   | Hexachlorocyclopentadiene    | 10.             | ND              | U |
| 88-06-2   | 2,4,6-Trichlorophenol        | 10.             | ND              | U |
| 95-95-4   | 2,4,5-Trichlorophenol        | 50.             | ND              | U |
| 91-58-7   | 2-Chloronaphthalene          | 10.             | ND              | U |
| 88-74-4   | 2-Nitroaniline               | 50.             | ND              | U |
| 131-11-3  | Dimethylphthalate            | 10.             | ND              | U |



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

Project ID : 92CB30  
Sample ID : SBLKXB  
Matrix : WATER  
Date Sampled : 0/ 0/ 0  
Date Extracted : 3/13/95  
Amount Extracted : 1000.0 mL  
Date Analyzed : 3/16/95  
Instrument ID : MSD5

Anamatrix ID : BM1311BA  
Analyst : *g*  
Supervisor : *met*

Dilution Factor : 1.0  
Conc. Units : ug/L

| CAS No.   | COMPOUND NAME              | REPORTING LIMIT | AMOUNT DETECTED | Q |
|-----------|----------------------------|-----------------|-----------------|---|
| 606-20-2  | 2,6-Dinitrotoluene         | 10.             | ND              | U |
| 208-96-8  | Acenaphthylene             | 10.             | ND              | U |
| 99-09-2   | 3-Nitroaniline             | 50.             | ND              | U |
| 83-32-9   | Acenaphthene               | 10.             | ND              | U |
| 51-28-5   | 2,4-Dinitrophenol          | 50.             | ND              | U |
| 100-02-7  | 4-Nitrophenol              | 50.             | ND              | U |
| 132-64-9  | Dibenzofuran               | 10.             | ND              | U |
| 121-14-2  | 2,4-Dinitrotoluene         | 10.             | ND              | U |
| 84-66-2   | Diethylphthalate           | 10.             | ND              | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10.             | ND              | U |
| 86-73-7   | Fluorene                   | 10.             | ND              | U |
| 100-01-6  | 4-Nitroaniline             | 50.             | ND              | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 50.             | ND              | U |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 10.             | ND              | U |
| 103-33-3  | Azobenzene                 | 10.             | ND              | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10.             | ND              | U |
| 118-74-1  | Hexachlorobenzene          | 10.             | ND              | U |
| 87-86-5   | Pentachlorophenol          | 50.             | ND              | U |
| 85-01-8   | Phenanthrene               | 10.             | ND              | U |
| 120-12-7  | Anthracene                 | 10.             | ND              | U |
| 84-74-2   | Di-n-butylphthalate        | 10.             | ND              | U |
| 206-44-0  | Fluoranthene               | 10.             | ND              | U |
| 92-87-5   | Benzidine                  | 10.             | ND              | U |
| 129-00-0  | Pyrene                     | 10.             | ND              | U |
| 85-68-7   | Butylbenzylphthalate       | 10.             | ND              | U |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 10.             | ND              | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 20.             | ND              | U |
| 56-55-3   | Benzo(a)anthracene         | 10.             | ND              | U |
| 218-01-9  | Chrysene                   | 10.             | ND              | U |
| 117-84-0  | Di-n-octylphthalate        | 10.             | ND              | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10.             | ND              | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10.             | ND              | U |
| 50-32-8   | Benzo(a)pyrene             | 10.             | ND              | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10.             | ND              | U |
| 53-70-3   | Dibenz(a,h)anthracene      | 10.             | ND              | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10.             | ND              | U |

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

Project ID : 92CB037/  
Matrix : LIQUID

Anamatrix ID : 9503100  
Analyst : *ck*  
Supervisor : *meJ*

|    | SAMPLE ID | SU1 | SU2 | SU3 | SU4 | SU5 | SU6  |
|----|-----------|-----|-----|-----|-----|-----|------|
| 1  | MW-3      | 71  | 78  | 91  | 81  | 66  | 49   |
| 2  | MW-2      | 64  | 69  | 85  | 80  | 49  | 29 * |
| 3  | MW-4      | 67  | 79  | 90  | 86  | 59  | 46   |
| 4  | MW-1      | 68  | 76  | 97  | 86  | 61  | 38   |
| 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       | (21-100) |
| SU2 = Phenol-d5            | (10- 94) |
| SU3 = Nitrobenzene-d5      | (35-114) |
| SU4 = 2-Fluorobiphenyl     | (43-116) |
| SU5 = 2,4,6-Tribromophenol | (10-123) |
| SU6 = Terphenyl-d14        | (33-141) |

\* Values outside of Anamatrix QC limits

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

Project ID : 92CB307/  
Matrix : LIQUID

Anamatrix ID : 9503100  
Analyst : *CS*  
Supervisor : *WET*

|    | SAMPLE ID | SU1 | SU2 | SU3 | SU4 | SU5 | SU6 |
|----|-----------|-----|-----|-----|-----|-----|-----|
| 1  | SBLKXB    | 75  | 74  | 80  | 79  | 82  | 52  |
| 2  | SLCSWV    | 79  | 79  | 84  | 80  | 85  | 52  |
| 3  | SLCSDJT   | 69  | 69  | 74  | 73  | 79  | 50  |
| 4  |           |     |     |     |     |     |     |
| 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       | (21-100) |
| SU2 = Phenol-d5            | (10- 94) |
| SU3 = Nitrobenzene-d5      | (35-114) |
| SU4 = 2-Fluorobiphenyl     | (43-116) |
| SU5 = 2,4,6-Tribromophenol | (10-123) |
| SU6 = Terphenyl-d14        | (33-141) |

\* Values outside of Anamatrix QC limits

LABORATORY CONTROL SPIKE RECOVERY FORM --- EPA METHOD 8270

ANAMETRIX, INC. (408)432-8192

Project/Case : 92CB307/0014 Anamatrix ID : MM1311BA & NM1311BA  
 Matrix : WATER Analyst : CS  
 Date Sampled : 00/00/00 Supervisor : WCT  
 Date Extracted : 03/13/95 SDG/Batch : 3100  
 Date Analyzed : 3/16/95  
 Instrument ID : MSD5 Sample I.D. : SLCSWV & SLCSDJT

| COMPOUND                   | SPIKE<br>ADDED<br>(ug/L) | SAMPLE<br>CONCENTRATION<br>(ug/L) | LCS<br>CONCENTRATION<br>(ug/L) | LCS<br>%<br>REC | %REC<br>LIMITS |
|----------------------------|--------------------------|-----------------------------------|--------------------------------|-----------------|----------------|
| Phenol                     | 75                       | 0                                 | 58                             | 77              | 10-105         |
| 2-Chlorophenol             | 75                       | 0                                 | 57                             | 76              | 27-114         |
| 1,4-Dichlorobenzene        | 50                       | 0                                 | 32                             | 64              | 21-105         |
| N-nitroso-di-n-propylamine | 50                       | 0                                 | 42                             | 84              | 29-139         |
| 1,2,4-Trichlorobenzene     | 50                       | 0                                 | 35                             | 70              | 14-105         |
| 4-Chloro-3-methylphenol    | 75                       | 0                                 | 59                             | 79              | 36-121         |
| Acenaphthene               | 50                       | 0                                 | 40                             | 80              | 38-108         |
| 4-Nitrophenol              | 75                       | 0                                 | 72                             | 96              | 10-105         |
| 2,4-Dinitrotoluene         | 50                       | 0                                 | 44                             | 88              | 44-121         |
| Pentachlorophenol          | 75                       | 0                                 | 68                             | 91              | 10-137         |
| Pyrene                     | 50                       | 0                                 | 43                             | 86              | 44-125         |

| COMPOUND                   | SPIKE<br>ADDED<br>(ug/L) | LCSD<br>CONCENTRATION<br>(ug/L) | LCSD<br>PERCENT<br>RECOVERY | %<br>RPD | %RPD<br>LIMITS |
|----------------------------|--------------------------|---------------------------------|-----------------------------|----------|----------------|
| Phenol                     | 75                       | 51                              | 68                          | 13       | 42             |
| 2-Chlorophenol             | 75                       | 50                              | 67                          | 13       | 40             |
| 1,4-Dichlorobenzene        | 50                       | 28                              | 56                          | 3        | 28             |
| N-nitroso-di-n-propylamine | 50                       | 38                              | 76                          | 10       | 38             |
| 1,2,4-Trichlorobenzene     | 50                       | 31                              | 62                          | 12       | 28             |
| 4-Chloro-3-methylphenol    | 75                       | 54                              | 72                          | 9        | 42             |
| Acenaphthene               | 50                       | 37                              | 74                          | 8        | 38             |
| 4-Nitrophenol              | 75                       | 68                              | 91                          | 6        | 50             |
| 2,4-Dinitrotoluene         | 50                       | 42                              | 84                          | 5        | 38             |
| Pentachlorophenol          | 75                       | 66                              | 88                          | 3        | 50             |
| Pyrene                     | 50                       | 41                              | 82                          | 5        | 31             |

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

MS. JO BETH FOLGER  
WOODWARD-CLYDE CONSULTANTS  
500 12TH STREET, SUITE 100  
OAKLAND, CA 94607-4041

Workorder # : 9503100  
Date Received : 03/08/95  
Project ID : 92CB037/0014  
Purchase Order: N/A  
Department : GC  
Sub-Department: TPH

SAMPLE INFORMATION:

| ANAMETRIX<br>SAMPLE ID | CLIENT<br>SAMPLE ID | MATRIX | DATE<br>SAMPLED | METHOD |
|------------------------|---------------------|--------|-----------------|--------|
| 9503100- 1             | T.BLANK             | WATER  | 02/23/95        | BTEX   |
| 9503100- 2             | MW-4                | WATER  | 03/07/95        | BTEX   |
| 9503100- 3             | MW-1                | WATER  | 03/07/95        | BTEX   |
| 9503100- 4             | MW-3                | WATER  | 03/07/95        | BTEX   |
| 9503100- 5             | MW-2                | WATER  | 03/07/95        | BTEX   |
| 9503100- 2             | MW-4                | WATER  | 03/07/95        | TPHd   |
| 9503100- 3             | MW-1                | WATER  | 03/07/95        | TPHd   |
| 9503100- 4             | MW-3                | WATER  | 03/07/95        | TPHd   |
| 9503100- 5             | MW-2                | WATER  | 03/07/95        | TPHd   |

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

MS. JO BETH FOLGER  
WOODWARD-CLYDE CONSULTANTS  
500 12TH STREET, SUITE 100  
OAKLAND, CA 94607-4041

Workorder # : 9503100  
Date Received : 03/08/95  
Project ID : 92CB037/0014  
Purchase Order: N/A  
Department : GC  
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this section.

Cheryl Belmer  
Department Supervisor

3/17/95  
Date

Laura Sher 3/20/95  
Chemist Date

Organic Analysis Data Sheet

Total Petroleum Hydrocarbons as Gasoline with BTEX

ITS - Anametrix Laboratories - (408)432-8192

Lab Workorder : 9503100

Client Project ID : 92CB037/0014

Matrix : WATER

Units : ug/L

*Dupe MW-2*

| Compound Name      | Method Reporting Limit* | Client ID  | Client ID  | Client ID  | Client ID  | Client ID  |
|--------------------|-------------------------|------------|------------|------------|------------|------------|
|                    |                         | T.BLANK    | MW-4       | MW-1       | MW-3       | MW-2       |
|                    |                         | Lab ID     | Lab ID     | Lab ID     | Lab ID     | Lab ID     |
|                    |                         | 9503100-01 | 9503100-02 | 9503100-03 | 9503100-04 | 9503100-05 |
| Benzene            | 0.50                    | ND         | ND         | ND         | ND         | ND         |
| Toluene            | 0.50                    | ND         | ND         | ND         | ND         | ND         |
| Ethylbenzene       | 0.50                    | ND         | ND         | ND         | ND         | ND         |
| Total Xylenes      | 0.50                    | ND         | ND         | ND         | ND         | ND         |
| TPH as Gasoline    | 50                      | --         | --         | --         | --         | --         |
| Surrogate Recovery |                         | 97%        | 96%        | 99%        | 105%       | 106%       |
| Instrument ID      |                         | HP12       | HP12       | HP12       | HP12       | HP12       |
| Date Sampled       |                         | 02/23/95   | 03/07/95   | 03/07/95   | 03/07/95   | 03/07/95   |
| Date Analyzed      |                         | 03/13/95   | 03/13/95   | 03/13/95   | 03/13/95   | 03/13/95   |
| RLMF               |                         | 1          | 1          | 1          | 1          | 1          |
| Filename Reference |                         | FPM10001.D | FPM10002.D | FPM10003.D | FPM10004.D | FPM10005.D |

\* The Method Reporting Limit must be multiplied by the Reporting Limit Multiplication Factor (RLMF) to achieve the compound's reporting limit in the analysis.

ND : Not detected at or above the reporting limit for the analysis as performed.

TPHg : Determined by GC/FID following sample purge & trap by EPA Method 5030.

BTEX : Determined by modified EPA Method 8020 following sample purge & trap by EPA Method 5030.

Lab Control Limits for surrogate compound p-Bromofluorobenzene are 61-139%.

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

Deena Slier 3/20/95  
Analyst Date

Cheyl Balmer 3/20/95  
Supervisor Date

Organic Analysis Data Sheet

Total Petroleum Hydrocarbons as Gasoline with BTEX

ITS - Anamatrix Laboratories - (408)432-8192

Lab Workorder : 9503100

Client Project ID : 92CB037/0014

Matrix : WATER

Units : ug/L

| Compound Name      | Method Reporting Limit* | Client ID    | Client ID | Client ID | Client ID | Client ID |
|--------------------|-------------------------|--------------|-----------|-----------|-----------|-----------|
|                    |                         | Lab ID       | Lab ID    | Lab ID    | Lab ID    | Lab ID    |
|                    |                         | METHOD BLANK |           |           |           |           |
| Benzene            | 0.50                    | ND           |           |           |           |           |
| Toluene            | 0.50                    | ND           |           |           |           |           |
| Ethylbenzene       | 0.50                    | ND           |           |           |           |           |
| Total Xylenes      | 0.50                    | ND           |           |           |           |           |
| TPH as Gasoline    | 50                      | --           |           |           |           |           |
| Surrogate Recovery |                         | 96%          |           |           |           |           |
| Instrument ID      |                         | HP12         |           |           |           |           |
| Date Sampled       |                         | N/A          |           |           |           |           |
| Date Analyzed      |                         | 03/13/95     |           |           |           |           |
| RLMF               |                         | 1            |           |           |           |           |
| Filename Reference |                         | BM1302E1.D   |           |           |           |           |

\* The Method Reporting Limit must be multiplied by the Reporting Limit Multiplication Factor (RLMF) to achieve the compound's reporting limit in the analysis.

ND : Not detected at or above the reporting limit for the analysis as performed.

TPHg : Determined by GC/FID following sample purge & trap by EPA Method 5030.

BTEX : Determined by modified EPA Method 8020 following sample purge & trap by EPA Method 5030.

Lab Control Limits for surrogate compound p-Bromofluorobenzene are 61-139%.

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

Lucia Sloc 3/20/95  
Analyst Date

Cheyl Balma 3/20/95  
Supervisor Date



**Laboratory Control Spike Report**  
**Total Petroleum Hydrocarbons as BTEX**  
**ITS - Anametrix Laboratories - (408)432-8192**

Instrument ID : HP12

Analyst : JS

Matrix : LIQUID

Supervisor : CS

Units : ug/L

| COMPOUND NAME      | SPIKE AMOUNT | LCS RECOVERY | RECOVERY LIMITS |
|--------------------|--------------|--------------|-----------------|
| Benzene            | 20           | 90%          | 52-133          |
| Toluene            | 20           | 95%          | 57-136          |
| Ethylbenzene       | 20           | 100%         | 56-139          |
| Total Xylenes      | 20           | 90%          | 56-141          |
| Surrogate Recovery |              | 102%         | 61-139          |
| Date Analyzed      |              | 03/13/95     |                 |
| Multiplier         |              | 1            |                 |
| Filename Reference |              | MM1301E1.D   |                 |

\* Limits established by Inchcape Testing Services, Anametrix Laboratories.

**TOTAL PETROLEUM HYDROCARBONS AS DIESEL**  
**INCHCAPE TESTING SERVICES - ANAMETRIX**  
(408) 432-8192

DATA SUMMARY FORM

|                      |         |                      |              |
|----------------------|---------|----------------------|--------------|
| Anametrix Workorder: | 9503100 | Client Project ID:   | 92CB037/0014 |
| Matrix:              | WATER   | Date Released:       | 3/20/95      |
| Date Extracted:      | 3/10/95 | Concentration Units: | ug/L         |
| Instrument ID:       | HP19    |                      |              |

| <u>Anametrix ID</u> | <u>Client ID</u> | <u>Date Sampled</u> | <u>Date Analyzed</u> | <u>Dilution Factor</u> | <u>Reporting Limit</u> | <u>Amount Found</u> | <u>Surrogate Recovery</u> |
|---------------------|------------------|---------------------|----------------------|------------------------|------------------------|---------------------|---------------------------|
| 9503100-02          | MW-4             | 3/7/95              | 3/11/95              | 1                      | 50                     | 480                 | 97% <i>Dupe MW-2</i>      |
| 9503100-03          | MW-1             | 3/7/95              | 3/12/95              | 1                      | 50                     | 200                 | 82%                       |
| 9503100-04          | MW-3             | 3/7/95              | 3/12/95              | 1                      | 50                     | ND                  | 97%                       |
| 9503100-05          | MW-2             | 3/7/95              | 3/12/95              | 1                      | 50                     | 600                 | 103%                      |
| BM1011F1            | Method Blank     | -----               | 3/11/95              | 1                      | 50                     | ND                  | 103%                      |

ND: Not detected at or above the reporting limit for the method.  
TPHd: Total Petroleum Hydrocarbons as C10-C28 is determined by GC/FID (modified EPA Method 8015) following sample extraction by EPA Method 3510. Surrogate recovery quality control limits for o-terphenyl are 67-103%.  
All testing procedures follow California Department of Health Services approved methods.

*Doshi*                      3/20/95  
Analyst                                      Date

*Cheryl Balmer*                      3/20/95  
Supervisor                                      Date

**TOTAL PETROLEUM HYDROCARBONS AS DIESEL**  
**INCHCAPE TESTING SERVICES - ANAMETRIX**  
(408) 432-8192

LABORATORY CONTROL SAMPLE REPORT

|                    |              |                      |          |
|--------------------|--------------|----------------------|----------|
| Client Project ID: | 92CB037/0014 | Anamatrix ID:        | MM1011F1 |
| Matrix:            | WATER        | Date Released:       | 3/20/95  |
| Date Extracted:    | 3/10/95      | Instrument ID:       | HP19     |
| Date Analyzed:     | 3/11/95      | Concentration Units: | ug/L     |

| COMPOUND<br>NAME | SPIKE<br>AMT | LCS<br>CONC | % REC<br>LCS | LCSD<br>CONC | % REC<br>LCSD | RPD |
|------------------|--------------|-------------|--------------|--------------|---------------|-----|
| Diesel           | 1250         | 1180        | 94%          | 1190         | 95%           | 1%  |
| o-Terphenyl      |              |             | 98%          |              | 99%           |     |

Quality control limits for LCS/LCSD recovery are 38-96%

Quality control limits for RPD(relative percent difference) are +/- 18%.

Quality control limits for o-terphenyl recovery are 67-103%.

9503100 (10/20) (18)

**Woodward-Clyde Consultants**

500 12th Street, Suite 100, Oakland, CA 94607-4014  
(510) 893-3600

**Chain of Custody Record**

| PROJECT NO.<br>92CB037/0014 |      |               | ANALYSES                            |            |            |            |            |                            |  | REMARKS<br>(Sample preservation, handling procedures, etc.) |
|-----------------------------|------|---------------|-------------------------------------|------------|------------|------------|------------|----------------------------|--|---|
| SAMPLERS: (Signature)       |      |               | Sample Matrix<br>(Soil, Water, Air) | EPA Method | EPA Method | EPA Method | EPA Method | Number of Containers       |  |   |
| DATE                        | TIME | SAMPLE NUMBER |                                     |            |            |            |            |                            | BTEX   | TPH(diesel)   |
| ① 2/23/95                   | 0800 | Trip blanks   | W                                   |            |            |            |            | 3                          | Samples stored on ice immed. after sampling.<br><br>Standard T.A.T.<br><br>3/10/95 doBeth authorized 8270 for PNA's per phone conversation (W) |   |
| ② 3/7/95                    | 1430 | MW-4          | W                                   |            |            |            | 3 2 2      | 7                          |  |   |
| ③ 3/7/95                    | 1450 | MW-1          | W                                   |            |            |            | 3 2 2      | 7                          |  |   |
| ④ 3/7/95                    | 1510 | MW-3          | W                                   |            |            |            | 3 2 2      | 7                          |  |   |
| ⑤ 3/7/95                    | 1540 | MW-2          | W                                   |            |            |            | 3 2 2      | 7                          |  |   |
|                             |      |               |                                     |            |            |            |            | TOTAL NUMBER OF CONTAINERS | 31   |   |

|                              |                         |                          |                                  |             |                          |
|------------------------------|-------------------------|--------------------------|----------------------------------|-------------|--------------------------|
| RELINQUISHED BY: (Signature) | DATE/TIME               | RECEIVED BY: (Signature) | RELINQUISHED BY: (Signature)     | DATE/TIME   | RECEIVED BY: (Signature) |
| <i>[Signature]</i>           | 3/7/95 1550             | <i>[Signature]</i>       | ITS<br><i>[Signature]</i>        | 3/8/95 1825 | <i>[Signature]</i>       |
| METHOD OF SHIPMENT:          | SHIPPED BY: (Signature) | COURIER: (Signature)     | RECEIVED FOR LAB BY: (Signature) | DATE/TIME   |                          |
|                              | <i>[Signature]</i>      |                          | <i>[Signature]</i>               | 3/8/95 1825 |                          |

2155 MB