



DURHAM TRANSPORTATION, INC.  
9171 CAPITAL OF TEXAS HIGHWAY NORTH  
TRAVIS BUILDING, SUITE 200  
DUSTY, TX 78744  
VOICE (512) 343-8292  
FAX (512) 343-8598

93 OCT 20 AM 11:08

October 18, 1993

Mr. Barry Gore  
Reish & Luftman  
11755 Wilshire Blvd., 10th Floor  
Los Angeles, CA. 90025

Re: 19984 Meekland Avenue,  
Hayward, CA 94621

Dear Barry,

Progress Report #22 covering the time period July 1 through  
September 30, 1993 are enclosed for your review.

Should you have any questions, please call me at (512) 343-6292.

Very Truly Yours,

A handwritten signature in cursive script that reads "Dave Delamotte" with a flourish at the end.

Dave Delamotte  
Senior Vice President  
Facilities, Fleet Service and Quality Systems

DD/lmr

cc: L. Polos, CTS  
Juliet Shin, Alameda County Health  
Eddy So, WQCB



**CTTS, Inc.**

*toxic technology services*

October 11, 1993  
Project Number 93-7

Mr. David Delamotte  
Durham Transportation  
9171 Capitol of Texas Highway North  
Travis Bldg., Suite 200  
Austin, Texas 78759

Subject: Progress Report #22  
Period Covering  
July 1, 1993 - September 30, 1993  
19984 Meekland Avenue, Hayward, CA

Dear Mr. Delamotte:

Enclosed is the twenty-second progress report for the Phase II investigation to evaluate the extent of soil and groundwater contamination at 19984 Meekland Avenue in the unincorporated area of Alameda County, near Hayward, California.

This report covers the following topics:

Introduction  
Quarterly Monitoring of Groundwater Elevations  
Quarterly Monitoring Well Sampling and Analysis  
Summary

After you review this document, it is recommended that copies be sent to Ms. Juliete Shin of the Alameda County Health Care Services Department, Hazardous Materials Division and Mr. Eddy So of the Regional Water Quality Control Board. Extra copies of this report have been provided to you for this purpose.

Thank you for this opportunity to provide Durham Transportation with these environmental services. If you have any questions, please call the undersigned at (510) 799-1140.

Sincerely,

Lisa A. Polos, REA, CHMM  
Senior Scientist  
Toxic Technology Services  
CTTS, Inc.

John N. Alt, CEG  
Consulting Geologist  
Toxic Technology Services  
CTTS, Inc.

Enclosure  
LAP/JNA/lap

## INTRODUCTION

The following is the twenty-second progress report of activities in the evaluation of the extent of soil and groundwater contamination at 19984 Meekland Avenue, in the unincorporated area of Alameda County, near Hayward, California (Plate 1). This report covers the period of July 1, 1993 through September 30, 1993.

The purpose of this on-going investigation is two fold; to assess the extent of soil and groundwater contamination and to characterize the contamination with regards to constituents and concentration.

## QUARTERLY MONITORING OF GROUNDWATER ELEVATIONS

As stated in previous reports, the groundwater gradient at the site is essentially flat. The elevation of the groundwater has been measured in the monitoring wells on site by surveying the elevation of the top of each casing and measuring the depth to groundwater using an electronic probe. The elevations are based on Alameda County benchmark BLO-MEEK located in the middle of the intersection of Blossom Way and Meekland Avenue. The depth to groundwater was measured in December of 1989, January of 1990, and then monthly since March of 1990.

Beginning in April of 1993, Juliete Shin of the Alameda County Health Care Services Department, Hazardous Materials Division agreed to Durham Transportation conducting the groundwater elevations on a quarterly basis, rather than monthly. This measurement is taken at the time of the groundwater sampling and analysis.

Tables 1 and 1a and Figure 1 represent data for the previous twenty four measurements. The groundwater elevation data are presented on Table 1. Figure 1 is a graph showing variations in the elevation of groundwater at the site. In any given month, the groundwater elevation across the site generally varies within 0.1 feet. This variation is roughly within the range of error in the measuring techniques. The data indicate that the water table fluctuates in response to the various seasons of the year. Table 1a presents the odor and sheen observations recorded concurrently with the elevations of groundwater. Figure 2 presents a gradient map depicting the interpolated groundwater gradient for the site over the reporting period. The data indicate that the site is essentially flat with a very low westward to northwestward gradient. This is consistent with the regional gradient.

## QUARTERLY MONITORING WELL SAMPLING AND ANALYSIS

On September 15 and 16, 1993, the ten groundwater monitoring wells (Plate 1) were each purged of approximately three well volumes of water and samples collected. Bailing was conducted starting with the least contaminated well moving to wells that have historically shown the greatest levels of contamination, using a PVC Triloc pump. The pump was rinsed between wells with tap water. Samples were collected using a new, disposable plastic bailer for each well. Purged water was contained in 55 gallon drums.

Sampling was conducted by Lisa Polos, REA, and John Alt, CEG, of Toxic Technology Services.

At the time of sample collection, the contents of the first bailer of water were inspected to assess the presence of any floating product. None of the wells, at the time of sample collection, contained floating product.

Collected samples were put into a cooled ice chest and transported to NET Pacific Laboratory in Santa Rosa California for analysis of Total Petroleum Hydrocarbons as Gasoline and Diesel, BTEX and Volatile Halogenated Hydrocarbons.

Table 2 summarizes the results from this sampling round. The NET analytical reports are presented under Appendix A.

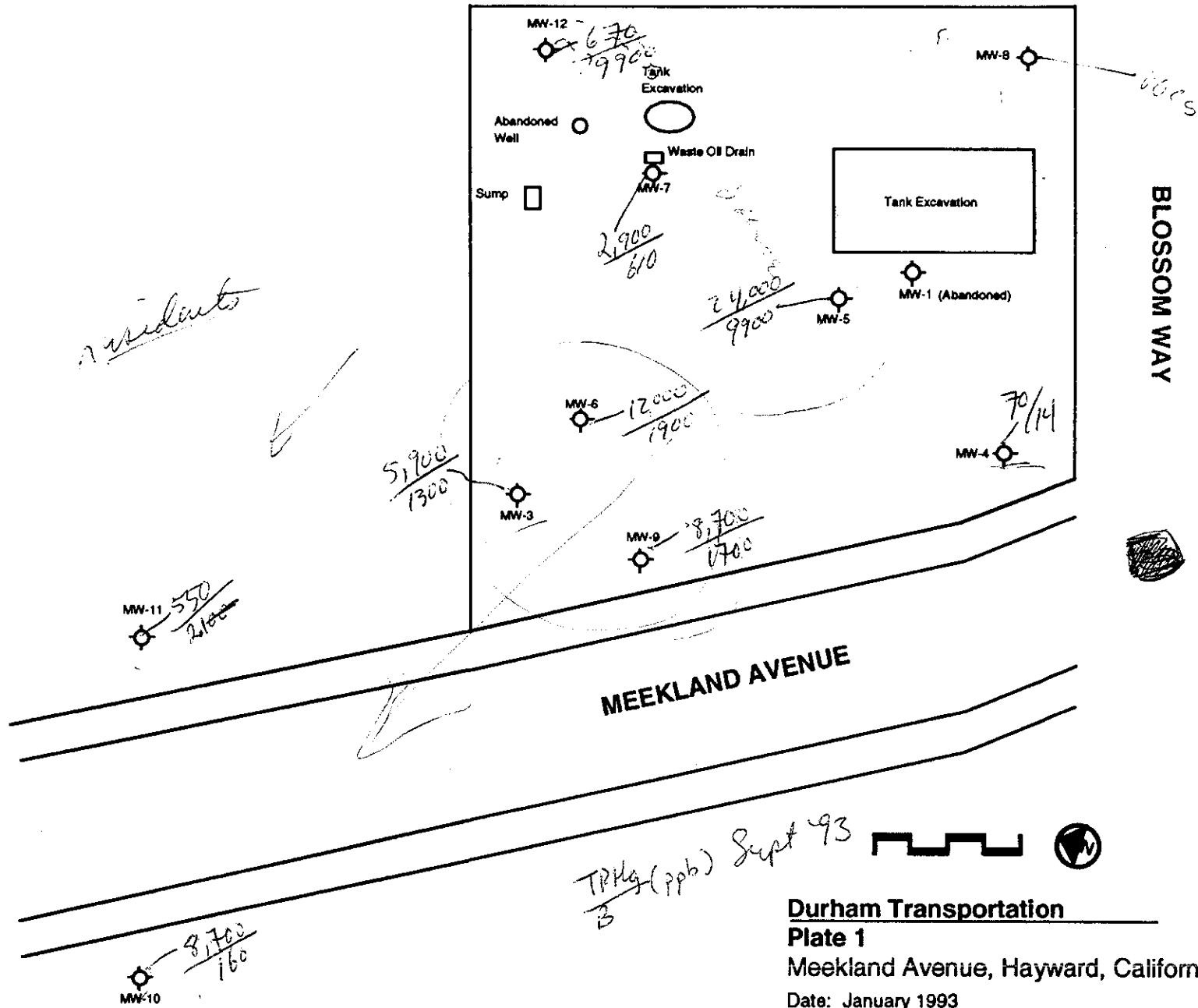
#### SUMMARY

The State of California Maximum Contaminant Level (MCL) in drinking water is 0.5 ppb for 1,2-Dichloroethane, 5 ppb for Tetrachloroethene (Tetrachloroethylene), 1750 ppb for Xylenes and 1 ppb for Benzene. The recommended drinking water action level for Toluene is 100 ppb.

All wells except MW-4, MW-8, MW-11 and MW-12 are over the MCL in drinking water for 1,2-Dichloroethane. All wells except MW-8 are over the MCL for Benzene. MW-5 and MW-6 are over the MCL for Xylenes. MW-5, MW-6 and MW-9 are over the recommended drinking water action level for Toluene.

The highest level of gasoline was found in MW-5. MW-5 is now the closest well to the fuel tank excavation.

Petroleum hydrocarbons heavier than gasoline, but lighter than diesel, were found in every well except MW-8. This seems to indicate the presence of very old gasoline.



TPH (ppb) Sept '93  
3



**Durham Transportation**  
**Plate 1**  
 Meekland Avenue, Hayward, California  
 Date: January 1993  
 Scale: 1 inch = 30 feet  
 CTTS, Inc. - Toxic Technology Services

**TABLE 1**

**GROUNDWATER ELEVATIONS (feet above MSL)  
DURHAM TRANSPORTATION--MEEKLAND PROJECT**

| <b>DATE</b> | <b>MW3</b> | <b>MW4</b> | <b>MW5</b> | <b>MW6</b> | <b>MW7</b> | <b>MW8</b> | <b>MW9</b> | <b>MW10</b> | <b>MW11</b> | <b>MW12</b> |
|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|
| Apr-91      | 28.09      | 27.99      | 28.04      | 28.00      | 28.02      | 28.06      | 27.99      | .           | .           | .           |
| May-91      | 27.12      | 27.16      | 27.17      | 27.11      | 27.19      | 27.19      | 27.13      | .           | .           | .           |
| Jun-91      | 26.45      | 26.56      | 26.77      | 26.46      | 26.53      | 26.57      | 26.58      | .           | .           | .           |
| Jul-91      | 26.04      | 26.05      | 26.13      | 26.04      | 26.10      | 26.13      | 26.04      | .           | .           | .           |
| Aug-91      | 25.49      | 25.62      | 25.37      | 25.50      | 25.59      | 25.60      | 25.52      | .           | .           | .           |
| Sep-91      | 25.18      | 25.18      | 25.49      | 25.06      | 25.16      | 25.18      | 25.15      | .           | .           | .           |
| Oct-91      | 24.86      | 24.92      | 25.00      | 24.82      | 24.97      | 24.94      | 24.84      | .           | .           | .           |
| Nov-91      | 24.90      | 24.97      | 24.94      | 24.87      | 24.94      | 24.96      | 24.89      | .           | .           | .           |
| Dec-91      | 24.69      | 24.78      | 24.89      | 24.67      | 24.76      | 24.79      | 24.70      | .           | .           | .           |
| Jan-92      | 25.31      | 25.28      | 25.48      | 25.31      | 25.37      | 25.37      | 25.32      | 25.16       | 25.90       | .           |
| Feb-92      | 28.23      | 28.22      | 28.24      | 28.15      | 28.24      | 28.26      | 28.19      | 28.37       | 28.18       | .           |
| Mar-92      | 28.54      | 28.46      | 28.49      | 28.40      | 28.46      | 28.59      | 28.42      | 28.32       | 28.41       | .           |
| Apr-92      | 28.43      | 28.48      | 28.39      | 28.43      | 28.49      | 28.51      | 28.44      | 28.32       | 28.44       | .           |
| May-92      | 27.76      | 27.75      | 27.79      | 27.56      | 27.75      | 27.79      | 27.70      | 27.67       | 27.68       | .           |
| Jun-92      | 26.92      | 26.87      | 26.88      | 26.81      | 26.87      | 26.92      | 26.81      | 26.64       | 26.76       | .           |
| Jul-92      | 26.40      | 26.47      | 26.49      | 26.41      | 28.16      | 26.53      | 26.41      | 26.23       | 26.37       | .           |
| Aug-92      | 25.88      | 25.85      | 25.81      | 25.76      | 25.83      | 25.88      | 25.79      | 25.26       | 26.07       | .           |
| Sep-92      | 25.68      | 25.64      | 25.60      | 25.56      | 25.61      | 25.67      | 25.56      | 25.39       | 25.54       | .           |
| Oct-92      | 25.30      | 25.27      | 25.29      | 25.17      | 25.23      | 25.32      | 25.19      | 25.00       | 25.14       | .           |
| Nov-92      | 25.17      | 25.25      | 25.25      | 25.17      | 25.25      | 25.29      | 25.19      | 25.01       | 25.13       | .           |
| Dec-92      | 26.10      | 26.06      | 26.03      | 26.02      | 26.05      | 26.10      | 26.02      | 25.92       | 26.08       | 26.35       |
| Jan-93      | 30.74      | 30.76      | 30.72      | 30.73      | 30.82      | 30.82      | 30.74      | 30.65       | 30.74       | 30.82       |
| Feb-93      | 30.32      | 30.32      | 30.22      | 30.29      | 30.39      | 30.37      | 30.29      | 30.17       | 30.28       | 30.32       |
| Mar-93      | 30.80      | 30.80      | 30.80      | 30.89      | 30.84      | 30.85      | 30.81      | 30.60       | 30.74       | 30.82       |
| Apr-93      | 30.54      | 30.61      | 30.50      | 30.56      | 30.65      | 30.67      | 30.57      | 30.39       | 30.52       | 30.59       |
| Jun-93      | 29.51      | 29.56      | 29.58      | 29.59      | 29.56      | 29.72      | 29.46      | 29.34       | 29.41       | 29.63       |
| Sep-93      | 28.04      | 28.03      | 27.97      | 27.94      | 28.02      | 28.07      | 27.93      | 27.89       | 27.91       | 27.98       |

MW-1 abandoned December 14, 1992. Consult previous reports for MW-1 data.

TABLE 2

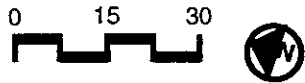
**GROUNDWATER CHEMICAL DATA--SEPTEMBER 1993  
DURHAM TRANSPORTATION--MEEKLAND PROJECT**

| <u>PARAMETER</u>   | <u>UNITS</u> | <u>MW-3</u> | <u>MW-4</u> | <u>MW-5</u>  | <u>MW-5<br/>DUP</u> | <u>MW-6</u>  | <u>MW-7</u>  |
|--------------------|--------------|-------------|-------------|--------------|---------------------|--------------|--------------|
| Gasoline           | mg/L         | 5.9         | 0.07        | 24           | 17                  | 12           | 2.9          |
| Diesel             | mg/L         | 0.95*       | 0.08*       | 2.7*         | 2.7*                | 2.0*         | 0.69*        |
| Benzene            | ug/L         | 1300        | 14          | 9900         | 9700                | 1900         | 610          |
| Ethylbenzene       | ug/L         | 390         | ND          | 730          | 520                 | 650          | 270          |
| Toluene            | ug/L         | 41          | ND          | 2600         | 2500                | 160          | 19           |
| Xylenes            | ug/L         | 530         | ND          | 1800         | 1200                | 1800         | 440          |
| 1,2-Dichloroethane | ug/L         | 14          | ND          | 150          | 130                 | 29           | 3.3          |
| Tetrachloroethene  | ug/L         | ND          | ND          | ND           | ND                  | ND           | ND           |
|                    |              | <u>MW-8</u> | <u>MW-9</u> | <u>MW-10</u> | <u>MW-11</u>        | <u>MW-12</u> | <u>BLANK</u> |
| Gasoline           | mg/L         | ND          | 8.7         | 8.7          | 0.55                | 0.67         | ND           |
| Diesel             | mg/L         | ND          | 1.0*        | 2.3*         | 0.22*               | 0.26*        | ND           |
| Benzene            | ug/L         | ND          | 1700        | 160          | 2.1                 | 9.9          | ND           |
| Ethylbenzene       | ug/L         | ND          | 380         | 240          | 16                  | 13           | ND           |
| Toluene            | ug/L         | ND          | 350         | ND           | ND                  | 0.5          | ND           |
| Xylenes            | ug/L         | ND          | 1300        | 960          | 3.7                 | 27           | ND           |
| 1,2-Dichloroethane | ug/L         | ND          | 26          | 16           | ND                  | ND           | ND           |
| Tetrachloroethene  | ug/L         | ND          | ND          | ND           | ND                  | ND           | ND           |

\* The positive result for the Petroleum Hydrocarbon as Diesel analysis on this sample appears to be a lighter hydrocarbon than Diesel.







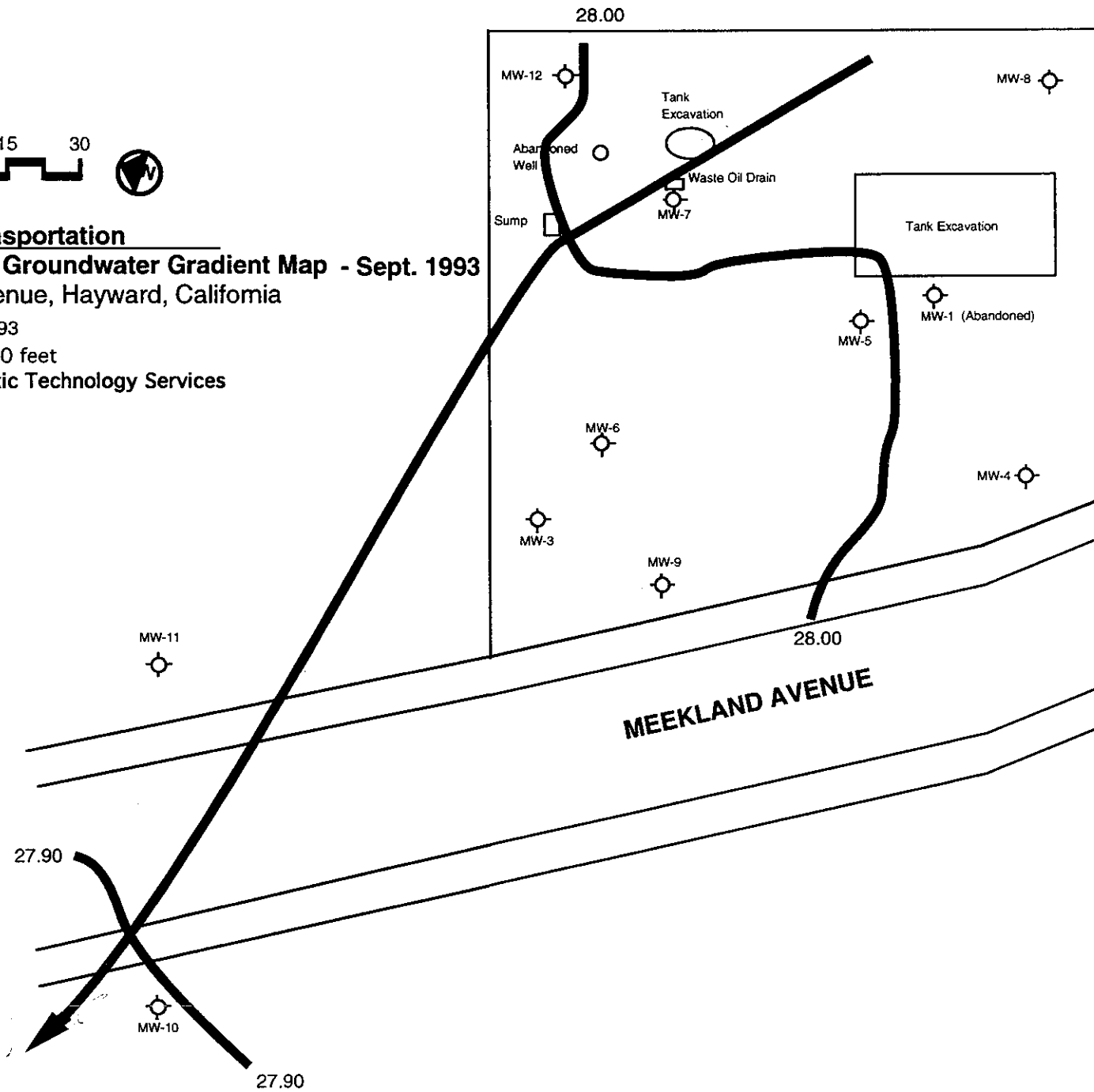
**Durham Transportation**

**Figure 2 -- Groundwater Gradient Map - Sept. 1993**  
Meekland Avenue, Hayward, California

Date: January 1993

Scale: 1 inch = 30 feet

CTTS, Inc. - Toxic Technology Services



BLOSSOM WAY

**APPENDIX A**



®

NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

NET Pacific, Inc.  
435 Tesconi Circle  
Santa Rosa, CA 95401  
Tel: (707) 526-7200  
Fax: (707) 526-9623

Lisa A. Polos  
Toxic Technology Services  
PO Box 515  
Rodeo, CA 94572

Date: 10/02/1993  
NET Client Acct. No: 70700  
NET Pacific Job No: 93.04054  
Received: 09/16/1993

Client Reference Information

93-7 Durham

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

  
Jules Skamarack  
Laboratory Manager

Enclosure (s)



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04054

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 2

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-3  
 Date Taken: 09/15/1993  
 Time Taken:  
 NET Sample No: 173758

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTXE,Liquid)     |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/23/1993 |
| DILUTION FACTOR*          | 100     |       |           |        |        |            | 09/23/1993 |
| as Gasoline               | 5.9     |       | 5         | mg/L   | 5030   |            | 09/23/1993 |
| METHOD 8020 (GC,Liquid)   | --      |       |           |        |        |            | 09/23/1993 |
| Benzene                   | 1,300   |       | 5         | ug/L   | 8020   |            | 09/25/1993 |
| Toluene                   | 41      |       | 5         | ug/L   | 8020   |            | 09/23/1993 |
| Ethylbenzene              | 390     |       | 5         | ug/L   | 8020   |            | 09/25/1993 |
| Xylenes (Total)           | 530     |       | 5         | ug/L   | 8020   |            | 09/25/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/23/1993 |
| Bromofluorobenzene (SURR) | 100     |       |           | % Rec. | 5030   |            | 09/23/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/21/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Diesel                 | 0.95    | DL    | 0.05      | mg/L   | 3510   |            | 09/23/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/23/1993 |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 3

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MM-3

Date Taken: 09/15/1993

Time Taken:

NET Sample No: 173758

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/25/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/25/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloroethane         | 14      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| SURROGATE RESULTS          | --      |       |           |        |        |           | 09/25/1993 |
| 1,4-Difluorobenzene (SURR) | 82      |       |           | % Rec. | 601    |           | 09/25/1993 |
| 1,4-Dichlorobutane (SURR)  | 94      |       |           | % Rec. | 601    |           | 09/25/1993 |



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04054

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 4

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-4  
 Date Taken: 09/15/1993  
 Time Taken:  
 NET Sample No: 173759

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTXE, Liquid)    |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/23/1993 |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Gasoline               | 0.07    |       | 0.05      | mg/L   | 5030   |            | 09/23/1993 |
| METHOD 8020 (GC, Liquid)  | --      |       |           |        |        |            | 09/23/1993 |
| Benzene                   | 14      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Toluene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Ethylbenzene              | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Xylenes (Total)           | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/23/1993 |
| Bromofluorobenzene (SURR) | 95      |       |           | % Rec. | 5030   |            | 09/23/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/21/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Diesel                 | 0.08    | DL    | 0.05      | mg/L   | 3510   |            | 09/23/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/23/1993 |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 5

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-4

Date Taken: 09/15/1993

Time Taken:

NET Sample No: 173759

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/25/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/25/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| SURROGATE RESULTS          | --      |       |           |        |        |           | 09/25/1993 |
| 1,4-Difluorobenzene (SURR) | 99      |       |           | % Rec. | 601    |           | 09/25/1993 |
| 1,4-Dichlorobutane (SURR)  | 101     |       |           | % Rec. | 601    |           | 09/25/1993 |



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04054

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 6

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-12  
 Date Taken: 09/15/1993  
 Time Taken:  
 NET Sample No: 173760

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTEX, Liquid)    |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/22/1993 |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/22/1993 |
| as Gasoline               | 0.67    |       | 0.05      | mg/L   | 5030   |            | 09/22/1993 |
| METHOD 8020 (GC, Liquid)  | --      |       |           |        |        |            | 09/22/1993 |
| Benzene                   | 9.9     |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Toluene                   | 0.5     |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Ethylbenzene              | 13      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Xylenes (Total)           | 27      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/22/1993 |
| Bromofluorobenzene (SURR) | 94      |       |           | % Rec. | 5030   |            | 09/22/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/21/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Diesel                 | 0.26    | DL    | 0.05      | mg/L   | 3510   |            | 09/23/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/23/1993 |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.





Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 7

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-12  
Date Taken: 09/15/1993  
Time Taken:  
NET Sample No: 173760

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/25/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/25/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Methylene chloride         | ND      |       | 1.0       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| SURROGATE RESULTS          | --      |       |           |        |        |           | 09/25/1993 |
| 1,4-Difluorobenzene (SURR) | 98      |       |           | % Rec. | 601    |           | 09/25/1993 |
| 1,4-Dichlorobutane (SURR)  | 91      |       |           | % Rec. | 601    |           | 09/25/1993 |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 8

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-10

Date Taken: 09/15/1993

Time Taken:

NET Sample No: 173761

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTXE, Liquid)    |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/23/1993 |
| DILUTION FACTOR*          | 10      |       |           |        |        |            | 09/23/1993 |
| as Gasoline               | 8.7     |       | 0.05      | mg/L   | 5030   |            | 09/23/1993 |
| METHOD 8020 (GC, Liquid)  | --      |       |           |        |        |            | 09/23/1993 |
| Benzene                   | 160     |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Toluene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Ethylbenzene              | 240     |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Xylenes (Total)           | 960     |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/23/1993 |
| Bromofluorobenzene (SURR) | 95      |       |           | % Rec. | 5030   |            | 09/23/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/21/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Diesel                 | 2.3     | DL    | 0.05      | mg/L   | 3510   |            | 09/23/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/23/1993 |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-10  
 Date Taken: 09/15/1993  
 Time Taken:  
 NET Sample No: 173761

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/25/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/25/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloroethane         | 16      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/25/1993 |
| SURROGATE RESULTS          |         |       |           |        |        |           |            |
| 1,4-Difluorobenzene (SURR) | 96      |       |           | % Rec. | 601    |           | 09/25/1993 |
| 1,4-Dichlorobutane (SURR)  | 85      |       |           | % Rec. | 601    |           | 09/25/1993 |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 10

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-8  
Date Taken: 09/15/1993  
Time Taken:  
NET Sample No: 173762

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTXE, Liquid)    |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/23/1993 |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Gasoline               | ND      |       | 0.05      | mg/L   | 5030   |            | 09/23/1993 |
| METHOD 8020 (GC, Liquid)  | --      |       |           |        |        |            | 09/23/1993 |
| Benzene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Toluene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Ethylbenzene              | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Xylenes (Total)           | ND      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/23/1993 |
| Bromofluorobenzene (SURR) | 87      |       |           | % Rec. | 5030   |            | 09/23/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/21/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Diesel                 | ND      |       | 0.05      | mg/L   | 3510   |            | 09/23/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/23/1993 |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 11

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-8  
Date Taken: 09/15/1993  
Time Taken:  
NET Sample No: 173762

| Parameter                  | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|----------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| METHOD 601 (GC,Liquid)     |         |       |                 |        |        |                |               |
| DILUTION FACTOR*           | 1       |       |                 |        |        |                | 09/25/1993    |
| Bromodichloromethane       | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Bromoform                  | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Bromomethane               | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Carbon tetrachloride       | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Chlorobenzene              | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Chloroethane               | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0             | ug/L   | 601    |                | 09/25/1993    |
| Chloroform                 | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Chloromethane              | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Dibromochloromethane       | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,2-Dichlorobenzene        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,3-Dichlorobenzene        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,4-Dichlorobenzene        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Dichlorodifluoromethane    | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1-Dichloroethane         | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,2-Dichloroethane         | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1-Dichloroethene         | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| trans-1,2-Dichloroethene   | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,2-Dichloropropane        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| cis-1,3-Dichloropropene    | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| trans-1,3-Dichloropropene  | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Methylene chloride         | ND      |       | 10              | ug/L   | 601    |                | 09/25/1993    |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Tetrachloroethene          | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1,1-Trichloroethane      | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1,2-Trichloroethane      | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Trichloroethene            | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Trichlorofluoromethane     | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Vinyl chloride             | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| SURROGATE RESULTS          | --      |       |                 |        |        |                | 09/25/1993    |
| 1,4-Difluorobenzene (SURR) | 99      |       |                 | % Rec. | 601    |                | 09/25/1993    |
| 1,4-Dichlorobutane (SURR)  | 86      |       |                 | % Rec. | 601    |                | 09/25/1993    |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 12

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-7  
Date Taken: 09/15/1993  
Time Taken:  
NET Sample No: 173763

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTXE,Liquid)     |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/23/1993 |
| DILUTION FACTOR*          | 10      |       |           |        |        |            | 09/23/1993 |
| as Gasoline               | 2.9     |       | 0.05      | mg/L   | 5030   |            | 09/23/1993 |
| METHOD 8020 (GC,Liquid)   | --      |       |           |        |        |            | 09/23/1993 |
| Benzene                   | 610     |       | 0.5       | ug/L   | 8020   |            | 09/24/1993 |
| Toluene                   | 19      |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Ethylbenzene              | 270     |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| Xylenes (Total)           | 440     |       | 0.5       | ug/L   | 8020   |            | 09/23/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/23/1993 |
| Bromofluorobenzene (SURR) | 102     |       |           | % Rec. | 5030   |            | 09/23/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/21/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/23/1993 |
| as Diesel                 | 0.69    | DL    | 0.05      | mg/L   | 3510   |            | 09/23/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/23/1993 |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 13

Ref: 93-7 Durham

SAMPLE DESCRIPTION: MW-7  
Date Taken: 09/15/1993  
Time Taken:  
NET Sample No: 173763

| Parameter                  | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|----------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| METHOD 601 (GC,Liquid)     |         |       |                 |        |        |                |               |
| DILUTION FACTOR*           | 1       |       |                 |        |        |                | 09/25/1993    |
| Bromodichloromethane       | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Bromoform                  | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Bromomethane               | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Carbon tetrachloride       | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Chlorobenzene              | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Chloroethane               | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0             | ug/L   | 601    |                | 09/25/1993    |
| Chloroform                 | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Chloromethane              | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Dibromochloromethane       | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,2-Dichlorobenzene        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,3-Dichlorobenzene        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,4-Dichlorobenzene        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Dichlorodifluoromethane    | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1-Dichloroethane         | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,2-Dichloroethane         | 3.3     |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1-Dichloroethene         | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| trans-1,2-Dichloroethene   | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,2-Dichloropropane        | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| cis-1,3-Dichloropropene    | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| trans-1,3-Dichloropropene  | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Methylene chloride         | ND      |       | 10              | ug/L   | 601    |                | 09/25/1993    |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Tetrachloroethene          | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1,1-Trichloroethane      | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| 1,1,2-Trichloroethane      | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Trichloroethene            | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Trichlorofluoromethane     | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| Vinyl chloride             | ND      |       | 0.4             | ug/L   | 601    |                | 09/25/1993    |
| SURROGATE RESULTS          | --      |       |                 |        |        |                | 09/25/1993    |
| 1,4-Difluorobenzene (SURR) | 81      |       |                 | % Rec. | 601    |                | 09/25/1993    |
| 1,4-Dichlorobutane (SURR)  | 95      |       |                 | % Rec. | 601    |                | 09/25/1993    |



Ref: 93-7 Durham

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

| Parameter                 | CCV<br>Standard<br>% Recovery | CCV<br>Standard<br>Amount<br>Found | CCV<br>Standard<br>Amount<br>Expected | Units  | Date<br>Analyzed | Analyst<br>Initials |
|---------------------------|-------------------------------|------------------------------------|---------------------------------------|--------|------------------|---------------------|
| TPH (Gas/BTXE,Liquid)     |                               |                                    |                                       |        |                  |                     |
| as Gasoline               | 109.0                         | 1.09                               | 1.00                                  | mg/L   | 09/22/1993       | dkb                 |
| Benzene                   | 90.6                          | 4.53                               | 5.00                                  | ug/L   | 09/22/1993       | dkb                 |
| Toluene                   | 83.2                          | 4.16                               | 5.00                                  | ug/L   | 09/22/1993       | dkb                 |
| Ethylbenzene              | 88.0                          | 4.40                               | 5.00                                  | ug/L   | 09/22/1993       | dkb                 |
| Xylenes (Total)           | 88.8                          | 13.32                              | 15.0                                  | ug/L   | 09/22/1993       | dkb                 |
| Bromofluorobenzene (SURR) | 87.0                          | 87                                 | 100                                   | % Rec. | 09/22/1993       | dkb                 |
| TPH (Gas/BTXE,Liquid)     |                               |                                    |                                       |        |                  |                     |
| as Gasoline               | 103.0                         | 1.03                               | 1.00                                  | mg/L   | 09/23/1993       | dkb                 |
| Benzene                   | 97.4                          | 4.87                               | 5.00                                  | ug/L   | 09/23/1993       | dkb                 |
| Toluene                   | 89.4                          | 4.47                               | 5.00                                  | ug/L   | 09/23/1993       | dkb                 |
| Ethylbenzene              | 94.0                          | 4.70                               | 5.00                                  | ug/L   | 09/23/1993       | dkb                 |
| Xylenes (Total)           | 96.4                          | 14.46                              | 15.0                                  | ug/L   | 09/23/1993       | dkb                 |
| Bromofluorobenzene (SURR) | 102.0                         | 102                                | 100                                   | % Rec. | 09/23/1993       | dkb                 |
| TPH (Gas/BTXE,Liquid)     |                               |                                    |                                       |        |                  |                     |
| as Gasoline               | 86.0                          | 0.86                               | 1.00                                  | mg/L   | 09/24/1993       | dkb                 |
| Benzene                   | 90.2                          | 4.51                               | 5.00                                  | ug/L   | 09/24/1993       | dkb                 |
| Toluene                   | 86.6                          | 4.33                               | 5.00                                  | ug/L   | 09/24/1993       | dkb                 |
| Ethylbenzene              | 85.8                          | 4.29                               | 5.00                                  | ug/L   | 09/24/1993       | dkb                 |
| Xylenes (Total)           | 92.7                          | 13.91                              | 15.0                                  | ug/L   | 09/24/1993       | dkb                 |
| Bromofluorobenzene (SURR) | 98.0                          | 98                                 | 100                                   | % Rec. | 09/24/1993       | dkb                 |
| METHOD 3510/M8015         |                               |                                    |                                       |        |                  |                     |
| as Diesel                 | 99.0                          | 990                                | 1000                                  | mg/L   | 09/23/1993       | tts                 |
| as Motor Oil              | 115.0                         | 1150                               | 1000                                  | mg/L   | 09/23/1993       | tts                 |
| METHOD 601 (GC,Liquid)    |                               |                                    |                                       |        |                  |                     |
| Bromodichloromethane      | 90.0                          | 18.0                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Bromoform                 | 81.5                          | 16.3                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Bromomethane              | 94.5                          | 18.9                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Carbon tetrachloride      | 95.5                          | 19.1                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Chlorobenzene             | 90.5                          | 18.1                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Chloroethane              | 94.5                          | 18.9                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 2-Chloroethylvinyl ether  | 111.0                         | 22.2                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Chloroform                | 96.5                          | 19.3                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Chloromethane             | 86.0                          | 17.2                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Dibromochloromethane      | 88.5                          | 17.7                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 1,2-Dichlorobenzene       | 96.5                          | 19.3                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 1,3-Dichlorobenzene       | 93.0                          | 18.6                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 1,4-Dichlorobenzene       | 93.0                          | 18.6                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| Dichlorodifluoromethane   | 0.0                           | 00.0                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 1,1-Dichloroethane        | 92.0                          | 18.4                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 1,2-Dichloroethane        | 94.5                          | 18.9                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| 1,1-Dichloroethene        | 92.5                          | 18.5                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |
| trans-1,2-Dichloroethene  | 98.0                          | 19.6                               | 20.0                                  | ug/L   | 09/25/1993       | asm                 |





Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 15

Ref: 93-7 Durham

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

| Parameter                  | CCV                 | CCV                   | CCV                      | Units  | Date Analyzed | Analyst Initials |
|----------------------------|---------------------|-----------------------|--------------------------|--------|---------------|------------------|
|                            | Standard % Recovery | Standard Amount Found | Standard Amount Expected |        |               |                  |
| 1,2-Dichloropropane        | 95.0                | 19.0                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| cis-1,3-Dichloropropene    | 97.0                | 19.4                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| trans-1,3-Dichloropropene  | 97.5                | 19.5                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| Methylene chloride         | 113.0               | 22.6                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| 1,1,2,2-Tetrachloroethane  | 99.0                | 19.8                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| Tetrachloroethene          | 100.5               | 20.1                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| 1,1,1-Trichloroethane      | 97.5                | 19.5                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| 1,1,2-Trichloroethane      | 102.0               | 20.4                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| Trichloroethene            | 93.5                | 18.7                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| Trichlorofluoromethane     | 98.5                | 19.7                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| Vinyl chloride             | 86.0                | 17.2                  | 20.0                     | ug/L   | 09/25/1993    | asm              |
| 1,4-Difluorobenzene (SURR) | 96.0                | 96                    | 100                      | % Rec. | 09/25/1993    | asm              |
| 1,4-Dichlorobutane (SURR)  | 91.0                | 91                    | 100                      | % Rec. | 09/25/1993    | asm              |



Ref: 93-7 Durham

## METHOD BLANK REPORT

| Parameter                 | Method<br>Blank<br>Amount<br>Found | Reporting<br>Limit | Units  | Date<br>Analyzed | Analyst<br>Initials |
|---------------------------|------------------------------------|--------------------|--------|------------------|---------------------|
| TPH (Gas/BTXE,Liquid)     |                                    |                    |        |                  |                     |
| as Gasoline               | ND                                 | 0.05               | mg/L   | 09/22/1993       | dkb                 |
| Benzene                   | ND                                 | 0.5                | ug/L   | 09/22/1993       | dkb                 |
| Toluene                   | ND                                 | 0.5                | ug/L   | 09/22/1993       | dkb                 |
| Ethylbenzene              | ND                                 | 0.5                | ug/L   | 09/22/1993       | dkb                 |
| Xylenes (Total)           | ND                                 | 0.5                | ug/L   | 09/22/1993       | dkb                 |
| Bromofluorobenzene (SURR) | 80                                 |                    | % Rec. | 09/22/1993       | dkb                 |
| TPH (Gas/BTXE,Liquid)     |                                    |                    |        |                  |                     |
| as Gasoline               | ND                                 | 0.05               | mg/L   | 09/23/1993       | dkb                 |
| Benzene                   | ND                                 | 0.5                | ug/L   | 09/23/1993       | dkb                 |
| Toluene                   | ND                                 | 0.5                | ug/L   | 09/23/1993       | dkb                 |
| Ethylbenzene              | ND                                 | 0.5                | ug/L   | 09/23/1993       | dkb                 |
| Xylenes (Total)           | ND                                 | 0.5                | ug/L   | 09/23/1993       | dkb                 |
| Bromofluorobenzene (SURR) | 91                                 |                    | % Rec. | 09/23/1993       | dkb                 |
| TPH (Gas/BTXE,Liquid)     |                                    |                    |        |                  |                     |
| as Gasoline               | ND                                 | 0.05               | mg/L   | 09/24/1993       | dkb                 |
| Benzene                   | ND                                 | 0.5                | ug/L   | 09/24/1993       | dkb                 |
| Toluene                   | ND                                 | 0.5                | ug/L   | 09/24/1993       | dkb                 |
| Ethylbenzene              | ND                                 | 0.5                | ug/L   | 09/24/1993       | dkb                 |
| Xylenes (Total)           | ND                                 | 0.5                | ug/L   | 09/24/1993       | dkb                 |
| Bromofluorobenzene (SURR) | 93                                 |                    | % Rec. | 09/24/1993       | dkb                 |
| METHOD 3510/M8015         |                                    |                    |        |                  |                     |
| as Diesel                 | ND                                 | 0.05               | mg/L   | 09/23/1993       | tts                 |
| as Motor Oil              | ND                                 | 0.5                | mg/L   | 09/23/1993       | tts                 |
| METHOD 601 (GC,Liquid)    |                                    |                    |        |                  |                     |
| Bromodichloromethane      | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Bromoform                 | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Bromomethane              | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Carbon tetrachloride      | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Chlorobenzene             | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Chloroethane              | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 2-Chloroethylvinyl ether  | ND                                 | 1.0                | ug/L   | 09/25/1993       | asm                 |
| Chloroform                | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Chloromethane             | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Dibromochloromethane      | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,2-Dichlorobenzene       | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,3-Dichlorobenzene       | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,4-Dichlorobenzene       | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| Dichlorodifluoromethane   | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,1-Dichloroethane        | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,2-Dichloroethane        | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,1-Dichloroethene        | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| trans-1,2-Dichloroethene  | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| 1,2-Dichloropropane       | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |
| cis-1,3-Dichloropropene   | ND                                 | 0.4                | ug/L   | 09/25/1993       | asm                 |



Ref: 93-7 Durham

### METHOD BLANK REPORT

| Parameter                  | Method             |                 |        | Date Analyzed | Analyst Initials |
|----------------------------|--------------------|-----------------|--------|---------------|------------------|
|                            | Blank Amount Found | Reporting Limit | Units  |               |                  |
| trans-1,3-Dichloropropene  | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| Methylene chloride         | ND                 | 10              | ug/L   | 09/25/1993    | asm              |
| 1,1,2,2-Tetrachloroethane  | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| Tetrachloroethene          | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| 1,1,1-Trichloroethane      | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| 1,1,2-Trichloroethane      | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| Trichloroethene            | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| Trichlorofluoromethane     | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| Vinyl chloride             | ND                 | 0.4             | ug/L   | 09/25/1993    | asm              |
| 1,4-Difluorobenzene (SURR) | 102                |                 | % Rec. | 09/25/1993    | asm              |
| 1,4-Dichlorobutane (SURR)  | 98                 |                 | % Rec. | 09/25/1993    | asm              |



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04054

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 18

Ref: 93-7 Durham

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

| Parameter                  | Matrix Spike        |                  |      | Spike Amount | Sample Conc. | Matrix Spike       |            | Units  | Date Analyzed | Analyst Initials |
|----------------------------|---------------------|------------------|------|--------------|--------------|--------------------|------------|--------|---------------|------------------|
|                            | Matrix Spike % Rec. | Spike Dup % Rec. | RPD  |              |              | Matrix Spike Conc. | Dup. Conc. |        |               |                  |
| TPH (Gas/BTXE,Liquid)      |                     |                  |      |              |              |                    |            |        |               |                  |
| as Gasoline                | 90.0                | 87.0             | 3.4  | 1.00         | ND           | 0.90               | 0.87       | mg/L   | 09/24/1993    | dkb              |
| Benzene                    | 103.8               | 102.8            | 1.0  | 39.8         | ND           | 41.3               | 40.9       | ug/L   | 09/24/1993    | dkb              |
| Toluene                    | 98.5                | 99.7             | 1.2  | 72.4         | ND           | 71.3               | 72.2       | ug/L   | 09/24/1993    | dkb              |
| Bromofluorobenzene (SURR)  |                     | 117              |      | 100          | 98           |                    |            | % Rec. | 09/24/1993    | dkb              |
| TPH (Gas/BTXE,Liquid)      |                     |                  |      |              |              |                    |            |        |               |                  |
| as Gasoline                | 101                 | 104              | 3.2  | 1.0          | ND           | 1.01               | 1.04       | mg/L   | 09/22/1993    | vin              |
| Benzene                    | 100                 | 107              | 6.9  | 39.5         | ND           | 39.4               | 42.2       | ug/L   | 09/22/1993    | vin              |
| Toluene                    | 100                 | 104              | 3.5  | 95.6         | ND           | 95.5               | 99.0       | ug/L   | 09/22/1993    | vin              |
| Bromofluorobenzene (SURR)  | 100                 | 100              |      |              |              |                    |            | % Rec. | 09/22/1993    | vin              |
| TPH (Gas/BTXE,Liquid)      |                     |                  |      |              |              |                    |            |        |               |                  |
| as Gasoline                | 103                 | 93               | 10   | 1.0          | 0.14         | 1.17               | 1.07       | mg/L   | 09/23/1993    | vin              |
| Benzene                    | 105                 | 95               | 9.9  | 39.9         | ND           | 41.9               | 37.9       | ug/L   | 09/23/1993    | vin              |
| Toluene                    | 103                 | 94               | 8.6  | 97.2         | ND           | 100.1              | 91.8       | ug/L   | 09/23/1993    | vin              |
| Bromofluorobenzene (SURR)  | 104                 | 96               |      |              |              |                    |            | % Rec. | 09/23/1993    | vin              |
| METHOD 3510/M8015          |                     |                  |      |              |              |                    |            |        |               |                  |
| as Diesel                  | 93.0                | 85.0             | 9.0  | 1.00         | ND           | 0.93               | 0.85       | mg/L   | 09/23/1993    | ttt              |
| METHOD 601 (GC,Liquid)     |                     |                  |      |              |              |                    |            |        |               |                  |
| Chlorobenzene              | 82.5                | 74.5             | 10.2 | 20.0         | ND           | 16.5               | 14.9       | ug/L   | 09/25/1993    | asm              |
| 1,1-Dichloroethene         | 92.0                | 88.5             | 3.9  | 20.0         | ND           | 18.4               | 17.7       | ug/L   | 09/25/1993    | asm              |
| Trichloroethene            | 93.5                | 83.5             | 11.3 | 20.0         | ND           | 18.7               | 16.7       | ug/L   | 09/25/1993    | asm              |
| 1,4-Difluorobenzene (SURR) | 101                 | 90               |      | 100          | 88           |                    |            | % Rec. | 09/25/1993    | asm              |
| 1,4-Dichlorobutane (SURR)  | 103                 | 90               | 13.4 | 100          | 83           |                    |            | % Rec. | 09/25/1993    | asm              |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04054

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 19

Ref: 93-7 Durham

## LABORATORY CONTROL SAMPLE REPORT

| <u>Parameter</u>               | <u>LCS</u><br><u>% Recovery</u> | <u>RPD</u> | <u>LCS</u><br><u>Amount</u><br><u>Found</u> | <u>LCS</u><br><u>Amount</u><br><u>Expected</u> | <u>Units</u> | <u>Date</u><br><u>Analyzed</u> | <u>Analyst</u><br><u>Initials</u> |
|--------------------------------|---------------------------------|------------|---|--|--------------|--------------------------------|-----------------------------------|
| METHOD 3510/M8015<br>as Diesel | 78.0                            |            | 0.78  | 1.00   | mg/L         | 09/23/1993                     | tts                               |



## KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- \* : Reporting Limits are a function of the dilution factor for any given sample. Actual reporting limits and results have been multiplied by the listed dilution factor. **Do not** multiply the reporting limits or reported values by the dilution factor.
- dw : Result expressed as dry weight.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than the applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference,  $100 \text{ [Value 1 - Value 2] / mean value}$ .
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

### Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, Rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, Rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.



NATIONAL ENVIRONMENTAL TESTING, INC.

SANTA ROSA DIVISION, 435 TESCONI CIRCLE, SANTA ROSA, CA 95401  
(707) 526-7200 PHONE (707) 526-9623 FAX

### CHAIN OF CUSTODY RECORD

COMPANY CTTS  
 ADDRESS PO Box 515 (E) 799-1140  
 PHONE Rodon 94572 FAX Stone  
 PROJECT NAME/LOCATION 93-7 Durham  
 PROJECT NUMBER \_\_\_\_\_  
 PROJECT MANAGER Lisa Blou

5665

SAMPLED BY Lisa Blou  
 (PRINT NAME)  
 (PRINT NAME)

Lisa Blou  
 SIGNATURE  
 SIGNATURE

ANALYSES

TURNAROUND TIME 14 DAY (S)

| DATE    | TIME | SAMPLE ID/DESCRIPTION | GRAB | COMP | # OF CONTAINERS | MATRIX | PRESERVED Y/N | ANALYSES |   |   |   | COMMENTS |
|---------|------|-----------------------|------|------|-----------------|--------|---------------|----------|---|---|---|----------|
| 9/15/93 |      | MW-3                  | X    |      | 5               | Water  |               | X        | X | X | X |          |
|         |      | MW-4                  | X    |      | ↓               | ↓      |               | X        | X | X | X |          |
|         |      | MW-12                 | X    |      | ↓               | ↓      |               | X        | X | X | X |          |
|         |      | MW-10                 | X    |      | ↓               | ↓      |               | X        | X | X | X |          |
|         |      | MW-8                  | X    |      | ↓               | ↓      |               | X        | X | X | X |          |
|         |      | MW-7                  | X    |      | ↓               | ↓      |               | X        | X | X | X |          |

TPH-G  
 TPH-D with extraction  
 BTEX  
 601

|                                      |                            |                                     |   |                            |   |
|--------------------------------------|----------------------------|-------------------------------------|---|----------------------------|---|
| RESULTS TO:                          |                            |                                     | INVOICE TO:                             |                            |   |
| RELINQUISHED BY:<br><u>Lisa Blou</u> | DATE/TIME<br>9/15/93 16:15 | RECEIVED BY:<br><u>D. P. Lumber</u> | RELINQUISHED BY:<br><u>D. P. Lumber</u> | DATE/TIME<br>9-15-93 17:00 | RECEIVED BY:                                    |
| RELINQUISHED BY:                     | DATE/TIME                  | RECEIVED BY:                        | RELINQUISHED BY:<br>via NCS Courier     | DATE/TIME<br>9/16/93 0800  | RECEIVED FOR LABORATORY BY:<br><u>Lisa Blou</u> |
| METHOD OF SHIPMENT                   |                            | REMARKS:<br>Seals intact. AL.       |   |                            |   |

(CUSTODY/SEALED)  
D. P. Lumber  
 9-15-93 17:00





NATIONAL  
ENVIRONMENTAL  
TESTING, INC.®

NET Pacific, Inc.  
435 Tesconi Circle  
Santa Rosa, CA 95401  
Tel: (707) 526-7200  
Fax: (707) 526-9623

Lisa A. Polos  
Toxic Technology Services  
PO Box 515  
Rodeo, CA 94572


Date: 10/02/1993  
NET Client Acct. No: 70700  
NET Pacific Job No: 93.04085  
Received: 09/17/1993

Client Reference Information

Durham, Project No. 93-7

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

  
\_\_\_\_\_  
Jules Skamarack  
Laboratory Manager

Enclosure(s)





Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 2

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-11

Date Taken: 09/16/1993

Time Taken:

NET Sample No: 173886

| Parameter                 | Results | Flags | Reporting |        | Method | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  |        | Extracted  | Analyzed   |
| TPH (Gas/BTXE, Liquid)    |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/22/1993 |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/22/1993 |
| as Gasoline               | 0.55    |       | 0.05      | mg/L   | 5030   |            | 09/22/1993 |
| METHOD 8020 (GC, Liquid)  | --      |       |           |        |        |            | 09/22/1993 |
| Benzene                   | 2.1     |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Toluene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Ethylbenzene              | 16      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Xylenes (Total)           | 3.7     |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/22/1993 |
| Bromofluorobenzene (SURR) | 104     |       |           | % Rec. | 5030   |            | 09/22/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/23/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/24/1993 |
| as Diesel                 | 0.22    | DL    | 0.05      | mg/L   | 3510   |            | 09/24/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/24/1993 |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-11  
 Date Taken: 09/16/1993  
 Time Taken:  
 NET Sample No: 173886

| Parameter                   | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|-----------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| METHOD 601 (GC,Liquid)      |         |       |                 |        |        |                |               |
| DILUTION FACTOR*            | 1       |       |                 |        |        |                | 09/29/1993    |
| Bromodichloromethane        | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Bromoform                   | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Bromomethane                | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Carbon tetrachloride        | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Chlorobenzene               | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Chloroethane                | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 2-Chloroethylvinyl ether    | ND      |       | 1.0             | ug/L   | 601    |                | 09/29/1993    |
| Chloroform                  | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Chloromethane               | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Dibromochloromethane        | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,2-Dichlorobenzene         | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,3-Dichlorobenzene         | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,4-Dichlorobenzene         | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Dichlorodifluoromethane     | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,1-Dichloroethane          | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,2-Dichloroethane          | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,1-Dichloroethene          | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| trans-1,2-Dichloroethene    | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,2-Dichloropropane         | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| cis-1,3-Dichloropropene     | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| trans-1,3-Dichloropropene   | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Methylene chloride          | ND      |       | 10              | ug/L   | 601    |                | 09/29/1993    |
| 1,1,2,2-Tetrachloroethane   | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Tetrachloroethene           | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,1,1-Trichloroethane       | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| 1,1,2-Trichloroethane       | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Trichloroethene             | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Trichlorofluoromethane      | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| Vinyl chloride              | ND      |       | 0.4             | ug/L   | 601    |                | 09/29/1993    |
| SURROGATE RESULTS           |         |       |                 |        |        |                |               |
| 1,4-Difluorobenzene (SURRE) | 87      |       |                 | % Rec. | 601    |                | 09/29/1993    |
| 1,4-Dichlorobutane (SURRE)  | 81      |       |                 | % Rec. | 601    |                | 09/29/1993    |



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 4

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-9  
 Date Taken: 09/16/1993  
 Time Taken:  
 NET Sample No: 173887

| Parameter                 | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|---------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| TPH (Gas/BTXE, Liquid)    |         |       |                 |        |        |                |               |
| METHOD 5030/M8015         | --      |       |                 |        |        |                | 09/22/1993    |
| DILUTION FACTOR*          | 10      |       |                 |        |        |                | 09/22/1993    |
| as Gasoline               | 8.7     |       | 0.5             | mg/L   | 5030   |                | 09/22/1993    |
| METHOD 8020 (GC, Liquid)  | --      |       |                 |        |        |                | 09/23/1993    |
| Benzene                   | 1,700   |       | 5               | ug/L   | 8020   |                | 09/23/1993    |
| Toluene                   | 350     |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| Ethylbenzene              | 380     |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| Xylenes (Total)           | 1,300   |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| SURROGATE RESULTS         | --      |       |                 |        |        |                | 09/22/1993    |
| Bromofluorobenzene (SURR) | 105     |       |                 | % Rec. | 5030   |                | 09/22/1993    |
| METHOD 3510/M8015         |         |       |                 |        |        | 09/23/1993     |               |
| DILUTION FACTOR*          | 1       |       |                 |        |        |                | 09/24/1993    |
| as Diesel                 | 1.0     | DL    | 0.05            | mg/L   | 3510   |                | 09/24/1993    |
| as Motor Oil              | ND      |       | 0.5             | mg/L   | 3510   |                | 09/24/1993    |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 5

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-9

Date Taken: 09/16/1993

Time Taken:

NET Sample No: 173887

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/29/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/29/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloroethane         | 26      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| SURROGATE RESULTS          |         |       |           |        |        |           |            |
| 1,4-Difluorobenzene (SURR) | 60      |       |           | % Rec. | 601    |           | 09/29/1993 |
| 1,4-Dichlorobutane (SURR)  | 85      |       |           | % Rec. | 601    |           | 09/29/1993 |



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 6

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-6  
 Date Taken: 09/16/1993  
 Time Taken:  
 NET Sample No: 173888

| Parameter                 | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|---------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| TPH (Gas/BTEX, Liquid)    |         |       |                 |        |        |                |               |
| METHOD 5030/M8015         | --      |       |                 |        |        |                | 09/22/1993    |
| DILUTION FACTOR*          | 10      |       |                 |        |        |                | 09/22/1993    |
| as Gasoline               | 12      |       | 0.5             | mg/L   | 5030   |                | 09/22/1993    |
| METHOD 8020 (GC, Liquid)  | --      |       |                 |        |        |                | 09/23/1993    |
| Benzene                   | 1,900   |       | 5               | ug/L   | 8020   |                | 09/23/1993    |
| Toluene                   | 160     |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| Ethylbenzene              | 650     |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| Xylenes (Total)           | 1,800   |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| SURROGATE RESULTS         | --      |       |                 |        |        |                | 09/22/1993    |
| Bromofluorobenzene (SURR) | 109     |       |                 | % Rec. | 5030   |                | 09/22/1993    |
| METHOD 3510/M8015         |         |       |                 |        |        | 09/23/1993     |               |
| DILUTION FACTOR*          | 1       |       |                 |        |        |                | 09/24/1993    |
| as Diesel                 | 2.0     | DL    | 0.05            | mg/L   | 3510   |                | 09/24/1993    |
| as Motor Oil              | ND      |       | 0.5             | mg/L   | 3510   |                | 09/24/1993    |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 7

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-6

Date Taken: 09/16/1993

Time Taken:

NET Sample No: 173888

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/29/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/29/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloroethane         | 29      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| SURROGATE RESULTS          | --      |       |           |        |        |           | 09/29/1993 |
| 1,4-Difluorobenzene (SURR) | 57      |       |           | % Rec. | 601    |           | 09/29/1993 |
| 1,4-Dichlorobutane (SURR)  | 86      |       |           | % Rec. | 601    |           | 09/29/1993 |



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 8

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-5  
 Date Taken: 09/16/1993  
 Time Taken:  
 NET Sample No: 173889

| Parameter                 | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|---------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| TPH (Gas/BTXE, Liquid)    |         |       |                 |        |        |                |               |
| METHOD 5030/M8015         | --      |       |                 |        |        |                | 09/22/1993    |
| DILUTION FACTOR*          | 10      |       |                 |        |        |                | 09/22/1993    |
| as Gasoline               | 24      |       | 0.5             | mg/L   | 5030   |                | 09/22/1993    |
| METHOD 8020 (GC, Liquid)  | --      |       |                 |        |        |                | 09/23/1993    |
| Benzene                   | 9,900   |       | 5               | ug/L   | 8020   |                | 09/23/1993    |
| Toluene                   | 2,600   |       | 5               | ug/L   | 8020   |                | 09/23/1993    |
| Ethylbenzene              | 730     |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| Xylenes (Total)           | 1,800   |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| SURROGATE RESULTS         | --      |       |                 |        |        |                | 09/22/1993    |
| Bromofluorobenzene (SURR) | 118     |       |                 | % Rec. | 5030   |                | 09/22/1993    |
| METHOD 3510/M8015         |         |       |                 |        |        | 09/23/1993     |               |
| DILUTION FACTOR*          | 1       |       |                 |        |        |                | 09/24/1993    |
| as Diesel                 | 2.7     | DL    | 0.05            | mg/L   | 3510   |                | 09/24/1993    |
| as Motor Oil              | ND      |       | 0.5             | mg/L   | 3510   |                | 09/24/1993    |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 9

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-5  
 Date Taken: 09/16/1993  
 Time Taken:  
 NET Sample No: 173889

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC, Liquid)    |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/29/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/29/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloroethane         | 150     |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| SURROGATE RESULTS          |         |       |           |        |        |           |            |
| 1,4-Difluorobenzene (SURR) | 600     | MI    |           | % Rec. | 601    |           | 09/29/1993 |
| 1,4-Dichlorobutane (SURR)  | 94      |       |           | % Rec. | 601    |           | 09/29/1993 |

MI: Matrix interference.





Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 10

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-5D  
 Date Taken: 09/16/1993  
 Time Taken:  
 NET Sample No: 173890

| Parameter                 | Results | Flags | Reporting Limit | Units  | Method | Date Extracted | Date Analyzed |
|---------------------------|---------|-------|-----------------|--------|--------|----------------|---------------|
| TPH (Gas/BTXE, Liquid)    |         |       |                 |        |        |                |               |
| METHOD 5030/M8015         | --      |       |                 |        |        |                | 09/22/1993    |
| DILUTION FACTOR*          | 10      |       |                 |        |        |                | 09/22/1993    |
| as Gasoline               | 17      |       | 0.5             | mg/L   | 5030   |                | 09/22/1993    |
| METHOD 8020 (GC, Liquid)  |         |       |                 |        |        |                |               |
| Benzene                   | 9,700   |       | 5               | ug/L   | 8020   |                | 09/23/1993    |
| Toluene                   | 2,500   |       | 5               | ug/L   | 8020   |                | 09/23/1993    |
| Ethylbenzene              | 520     |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| Xylenes (Total)           | 1,200   |       | 5               | ug/L   | 8020   |                | 09/22/1993    |
| SURROGATE RESULTS         |         |       |                 |        |        |                |               |
| Bromofluorobenzene (SURR) | 83      |       |                 | % Rec. | 5030   |                | 09/22/1993    |
| METHOD 3510/M8015         |         |       |                 |        |        |                |               |
| DILUTION FACTOR*          | 1       |       |                 |        |        | 09/23/1993     |               |
| as Diesel                 | 2.7     | DL    | 0.05            | mg/L   | 3510   |                | 09/24/1993    |
| as Motor Oil              | ND      |       | 0.5             | mg/L   | 3510   |                | 09/24/1993    |

DL : The positive result appears to be a lighter hydrocarbon than Diesel.



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 11

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: MW-5D  
Date Taken: 09/16/1993  
Time Taken:  
NET Sample No: 173890

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/29/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/29/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloroethane         | 130     |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| SURROGATE RESULTS          | --      |       |           |        |        |           | 09/29/1993 |
| 1,4-Difluorobenzene (SURR) | 429     | MI    |           | µ Rec. | 601    |           | 09/29/1993 |
| 1,4-Dichlorobutane (SURR)  | 91      |       |           | µ Rec. | 601    |           | 09/29/1993 |

MI: Matrix interference.



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 12

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: Trip Blank

Date Taken:

Time Taken:

NET Sample No: 173891

| Parameter                 | Results | Flags | Reporting |        |        | Date       | Date       |
|---------------------------|---------|-------|-----------|--------|--------|------------|------------|
|                           |         |       | Limit     | Units  | Method | Extracted  | Analyzed   |
| TPH (Gas/BTXE, Liquid)    |         |       |           |        |        |            |            |
| METHOD 5030/M8015         | --      |       |           |        |        |            | 09/22/1993 |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/22/1993 |
| as Gasoline               | ND      |       | 0.05      | mg/L   | 5030   |            | 09/22/1993 |
| METHOD 8020 (GC, Liquid)  | --      |       |           |        |        |            | 09/22/1993 |
| Benzene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Toluene                   | ND      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Ethylbenzene              | ND      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| Xylenes (Total)           | ND      |       | 0.5       | ug/L   | 8020   |            | 09/22/1993 |
| SURROGATE RESULTS         | --      |       |           |        |        |            | 09/22/1993 |
| Bromofluorobenzene (SURR) | 89      |       |           | % Rec. | 5030   |            | 09/22/1993 |
| METHOD 3510/M8015         |         |       |           |        |        | 09/23/1993 |            |
| DILUTION FACTOR*          | 1       |       |           |        |        |            | 09/24/1993 |
| as Diesel                 | ND      |       | 0.05      | mg/L   | 3510   |            | 09/24/1993 |
| as Motor Oil              | ND      |       | 0.5       | mg/L   | 3510   |            | 09/24/1993 |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 13

Ref: Durham, Project No. 93-7

SAMPLE DESCRIPTION: Trip Blank

Date Taken:

Time Taken:

NET Sample No: 173891

| Parameter                  | Results | Flags | Reporting |        | Method | Date      | Date       |
|----------------------------|---------|-------|-----------|--------|--------|-----------|------------|
|                            |         |       | Limit     | Units  |        | Extracted | Analyzed   |
| METHOD 601 (GC,Liquid)     |         |       |           |        |        |           |            |
| DILUTION FACTOR*           | 1       |       |           |        |        |           | 09/29/1993 |
| Bromodichloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromoform                  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Bromomethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Carbon tetrachloride       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chlorobenzene              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloroethane               | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 2-Chloroethylvinyl ether   | ND      |       | 1.0       | ug/L   | 601    |           | 09/29/1993 |
| Chloroform                 | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Chloromethane              | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dibromochloromethane       | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,3-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,4-Dichlorobenzene        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Dichlorodifluoromethane    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloroethane         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1-Dichloroethene         | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,2-Dichloroethene   | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,2-Dichloropropane        | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| cis-1,3-Dichloropropene    | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| trans-1,3-Dichloropropene  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Methylene chloride         | ND      |       | 10        | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2,2-Tetrachloroethane  | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Tetrachloroethene          | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,1-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| 1,1,2-Trichloroethane      | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichloroethene            | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Trichlorofluoromethane     | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| Vinyl chloride             | ND      |       | 0.4       | ug/L   | 601    |           | 09/29/1993 |
| SURROGATE RESULTS          | --      |       |           |        |        |           | 09/29/1993 |
| 1,4-Difluorobenzene (SURR) | 92      |       |           | % Rec. | 601    |           | 09/29/1993 |
| 1,4-Dichlorobutane (SURR)  | 86      |       |           | % Rec. | 601    |           | 09/29/1993 |



Ref: Durham, Project No. 93-7

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

| Parameter                 | CCV<br>Standard<br>% Recovery | CCV<br>Standard<br>Amount<br>Found | CCV<br>Standard<br>Amount<br>Expected | Units  | Date<br>Analyzed | Analyst<br>Initials |
|---------------------------|-------------------------------|------------------------------------|---------------------------------------|--------|------------------|---------------------|
| TPH (Gas/BTXE,Liquid)     |                               |                                    |                                       |        |                  |                     |
| as Gasoline               | 99.4                          | 0.994                              | 1.00                                  | mg/L   | 09/22/1993       | vin                 |
| Benzene                   | 99.6                          | 4.98                               | 5.00                                  | ug/L   | 09/22/1993       | vin                 |
| Toluene                   | 93.6                          | 4.68                               | 5.00                                  | ug/L   | 09/22/1993       | vin                 |
| Ethylbenzene              | 92.4                          | 4.62                               | 5.00                                  | ug/L   | 09/22/1993       | vin                 |
| Xylenes (Total)           | 94.3                          | 14.15                              | 15.0                                  | ug/L   | 09/22/1993       | vin                 |
| Bromofluorobenzene (SURR) | 90.0                          | 90                                 | 100                                   | % Rec. | 09/22/1993       | vin                 |
| TPH (Gas/BTXE,Liquid)     |                               |                                    |                                       |        |                  |                     |
| as Gasoline               | 101.0                         | 1.010                              | 1.00                                  | mg/L   | 09/23/1993       | vin                 |
| Benzene                   | 102.6                         | 5.13                               | 5.00                                  | ug/L   | 09/23/1993       | vin                 |
| Toluene                   | 96.6                          | 4.83                               | 5.00                                  | ug/L   | 09/23/1993       | vin                 |
| Ethylbenzene              | 95.0                          | 4.75                               | 5.00                                  | ug/L   | 09/23/1993       | vin                 |
| Xylenes (Total)           | 97.5                          | 14.63                              | 15.0                                  | ug/L   | 09/23/1993       | vin                 |
| Bromofluorobenzene (SURR) | 91.0                          | 91                                 | 100                                   | % Rec. | 09/23/1993       | vin                 |
| METHOD 3510/M8015         |                               |                                    |                                       |        |                  |                     |
| as Diesel                 | 103.0                         | 1030                               | 1000                                  | mg/L   | 09/24/1993       | tts                 |
| as Motor Oil              | 125.0                         | 1250                               | 1000                                  | mg/L   | 09/24/1993       | tts                 |
| METHOD 601 (GC,Liquid)    |                               |                                    |                                       |        |                  |                     |
| Bromodichloromethane      | 108.0                         | 21.6                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Bromoform                 | 95.5                          | 19.1                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Bromomethane              | 107.0                         | 21.4                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Carbon tetrachloride      | 114.0                         | 22.8                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Chlorobenzene             | 103.0                         | 20.6                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Chloroethane              | 107.0                         | 21.4                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 2-Chloroethylvinyl ether  | 124.0                         | 24.8                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Chloroform                | 111.5                         | 22.3                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Chloromethane             | 102.5                         | 20.5                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Dibromochloromethane      | 101.0                         | 20.2                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,2-Dichlorobenzene       | 112.0                         | 22.4                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,3-Dichlorobenzene       | 109.5                         | 21.9                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,4-Dichlorobenzene       | 110.5                         | 22.1                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Dichlorodifluoromethane   | 0.0                           | 00.0                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,1-Dichloroethane        | 101.0                         | 20.2                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,2-Dichloroethane        | 112.5                         | 22.5                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,1-Dichloroethene        | 104.5                         | 20.9                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| trans-1,2-Dichloroethene  | 110.0                         | 22.0                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,2-Dichloropropane       | 111.5                         | 22.3                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| cis-1,3-Dichloropropene   | 113.0                         | 22.6                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| trans-1,3-Dichloropropene | 112.0                         | 22.4                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Methylene chloride        | 117.0                         | 23.4                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,1,2,2-Tetrachloroethane | 119.5                         | 23.9                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Tetrachloroethene         | 112.5                         | 22.5                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,1,1-Trichloroethane     | 112.5                         | 22.5                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| 1,1,2-Trichloroethane     | 116.5                         | 23.3                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |
| Trichloroethene           | 105.5                         | 21.1                               | 20.0                                  | ug/L   | 09/29/1993       | asm                 |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 15

Ref: Durham, Project No. 93-7

## CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

| <u>Parameter</u>           | <u>CCV<br/>Standard<br/>% Recovery</u> | <u>CCV<br/>Standard<br/>Amount<br/>Found</u> | <u>CCV<br/>Standard<br/>Amount<br/>Expected</u> | <u>Units</u> | <u>Date<br/>Analyzed</u> | <u>Analyst<br/>Initials</u> |
|----------------------------|--|--|---|--------------|--------------------------|-----------------------------|
| Trichlorofluoromethane     | 110.5                                  | 22.1   | 20.0  | ug/L         | 09/29/1993               | asm                         |
| Vinyl chloride             | 102.5                                  | 20.5   | 20.0  | ug/L         | 09/29/1993               | asm                         |
| 1,4-Difluorobenzene (SURR) | 98.0                                   | 98   | 100   | % Rec.       | 09/29/1993               | asm                         |
| 1,4-Dichlorobutane (SURR)  | 104.0                                  | 104  | 100   | % Rec.       | 09/29/1993               | asm                         |



Ref: Durham, Project No. 93-7

## METHOD BLANK REPORT

| Parameter                 | Method Blank |                 |        | Date Analyzed | Analyst Initials |
|---------------------------|--------------|-----------------|--------|---------------|------------------|
|                           | Amount Found | Reporting Limit | Units  |               |                  |
| TPH (Gas/BTXE,Liquid)     |              |                 |        |               |                  |
| as Gasoline               | ND           | 0.05            | mg/L   | 09/22/1993    | vin              |
| Benzene                   | ND           | 0.5             | ug/L   | 09/22/1993    | vin              |
| Toluene                   | ND           | 0.5             | ug/L   | 09/22/1993    | vin              |
| Ethylbenzene              | ND           | 0.5             | ug/L   | 09/22/1993    | vin              |
| Xylenes (Total)           | ND           | 0.5             | ug/L   | 09/22/1993    | vin              |
| Bromofluorobenzene (SURR) | 87           |                 | % Rec. | 09/22/1993    | vin              |
| TPH (Gas/BTXE,Liquid)     |              |                 |        |               |                  |
| as Gasoline               | ND           | 0.05            | mg/L   | 09/23/1993    | vin              |
| Benzene                   | ND           | 0.5             | ug/L   | 09/23/1993    | vin              |
| Toluene                   | ND           | 0.5             | ug/L   | 09/23/1993    | vin              |
| Ethylbenzene              | ND           | 0.5             | ug/L   | 09/23/1993    | vin              |
| Xylenes (Total)           | ND           | 0.5             | ug/L   | 09/23/1993    | vin              |
| Bromofluorobenzene (SURR) | 92           |                 | % Rec. | 09/23/1993    | vin              |
| METHOD 3510/M8015         |              |                 |        |               |                  |
| as Diesel                 | ND           | 0.05            | mg/L   | 09/24/1993    | tts              |
| as Motor Oil              | ND           | 0.5             | mg/L   | 09/24/1993    | tts              |
| METHOD 601 (GC,Liquid)    |              |                 |        |               |                  |
| Bromodichloromethane      | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Bromoform                 | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Bromomethane              | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Carbon tetrachloride      | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Chlorobenzene             | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Chloroethane              | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 2-Chloroethylvinyl ether  | ND           | 1.0             | ug/L   | 09/29/1993    | asm              |
| Chloroform                | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Chloromethane             | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Dibromochloromethane      | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,2-Dichlorobenzene       | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,3-Dichlorobenzene       | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,4-Dichlorobenzene       | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Dichlorodifluoromethane   | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,1-Dichloroethane        | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,2-Dichloroethane        | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,1-Dichloroethene        | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| trans-1,2-Dichloroethene  | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,2-Dichloropropane       | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| cis-1,3-Dichloropropene   | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| trans-1,3-Dichloropropene | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Methylene chloride        | ND           | 10              | ug/L   | 09/29/1993    | asm              |
| 1,1,2,2-Tetrachloroethane | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Tetrachloroethene         | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,1,1-Trichloroethane     | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| 1,1,2-Trichloroethane     | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Trichloroethene           | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Trichlorofluoromethane    | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |
| Vinyl chloride            | ND           | 0.4             | ug/L   | 09/29/1993    | asm              |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 17

Ref: Durham, Project No. 93-7

## METHOD BLANK REPORT

| <u>Parameter</u>           | <u>Method</u><br><u>Blank</u><br><u>Amount</u><br><u>Found</u> | <u>Reporting</u><br><u>Limit</u> | <u>Units</u> | <u>Date</u><br><u>Analyzed</u> | <u>Analyst</u><br><u>Initials</u> |
|----------------------------|--|----------------------------------|--------------|--------------------------------|-----------------------------------|
| 1,4-Difluorobenzene (SURR) | 100  |                                  | % Rec.       | 09/29/1993                     | asm                               |
| 1,4-Dichlorobutane (SURR)  | 96   |                                  | % Rec.       | 09/29/1993                     | asm                               |





Client Acct: 70700  
 Client Name: Toxic Technology Services  
 NET Job No: 93.04085

Date: 10/02/1993  
 ELAP Certificate: 1386  
 Page: 18

Ref: Durham, Project No. 93-7

## MATRIX SPIKE / MATRIX SPIKE DUPLICATE

| Parameter                  | Matrix Spike |            | RPD  | Spike Amount | Sample Conc. | Matrix Spike |            | Units  | Date Analyzed | Analyst Initials |
|----------------------------|--------------|------------|------|--------------|--------------|--------------|------------|--------|---------------|------------------|
|                            | Spike % Rec. | Dup % Rec. |      |              |              | Spike Conc.  | Dup. Conc. |        |               |                  |
| TPH (Gas/BTXE,Liquid)      |              |            |      |              |              |              |            |        |               |                  |
| as Gasoline                | 101          | 104        | 3.2  | 1.0          | ND           | 1.01         | 1.04       | mg/L   | 09/22/1993    | vin              |
| Benzene                    | 100          | 107        | 6.9  | 39.5         | ND           | 39.4         | 42.2       | ug/L   | 09/22/1993    | vin              |
| Toluene                    | 100          | 104        | 3.5  | 95.6         | ND           | 95.5         | 99.0       | ug/L   | 09/22/1993    | vin              |
| Bromofluorobenzene (SURR)  | 100          | 100        |      |              |              |              |            | % Rec. | 09/22/1993    | vin              |
| TPH (Gas/BTXE,Liquid)      |              |            |      |              |              |              |            |        |               |                  |
| as Gasoline                | 103          | 93         | 10   | 1.0          | 0.14         | 1.17         | 1.07       | mg/L   | 09/23/1993    | vin              |
| Benzene                    | 105          | 95         | 9.9  | 39.9         | ND           | 41.9         | 37.9       | ug/L   | 09/23/1993    | vin              |
| Toluene                    | 103          | 94         | 8.6  | 97.2         | ND           | 100.1        | 91.8       | ug/L   | 09/23/1993    | vin              |
| Bromofluorobenzene (SURR)  | 104          | 96         |      |              |              |              |            | % Rec. | 09/23/1993    | vin              |
| METHOD 3510/M8015          |              |            |      |              |              |              |            |        |               |                  |
| as Diesel                  | 76.0         | 68.0       | 11.1 | 1.00         | ND           | 0.76         | 0.68       | mg/L   | 09/24/1993    | tts              |
| METHOD 601 (GC,Liquid)     |              |            |      |              |              |              |            |        |               |                  |
| Chlorobenzene              | 108.0        | 109.0      | 0.9  | 20.0         | ND           | 21.6         | 21.8       | ug/L   | 09/29/1993    | asm              |
| 1,1-Dichloroethene         | 110.0        | 111.0      | 0.9  | 20.0         | ND           | 22.0         | 22.2       | ug/L   | 09/29/1993    | asm              |
| Trichloroethene            | 106.0        | 110.0      | 3.7  | 20.0         | ND           | 21.2         | 22.0       | ug/L   | 09/29/1993    | asm              |
| 1,4-Difluorobenzene (SURR) | 97           | 95         | 2.1  | 100          | 103          |              |            | % Rec. | 09/29/1993    | asm              |
| 1,4-Dichlorobutane (SURR)  | 110          | 112        | 1.8  | 100          | 97           |              |            | % Rec. | 09/29/1993    | asm              |



Client Acct: 70700  
Client Name: Toxic Technology Services  
NET Job No: 93.04085

Date: 10/02/1993  
ELAP Certificate: 1386  
Page: 19

Ref: Durham, Project No. 93-7

## LABORATORY CONTROL SAMPLE REPORT

| <u>Parameter</u>               | <u>LCS</u><br><u>% Recovery</u> | <u>RPD</u> | <u>LCS</u><br><u>Amount</u><br><u>Found</u> | <u>LCS</u><br><u>Amount</u><br><u>Expected</u> | <u>Units</u> | <u>Date</u><br><u>Analyzed</u> | <u>Analyst</u><br><u>Initials</u> |
|--------------------------------|---------------------------------|------------|---|--|--------------|--------------------------------|-----------------------------------|
| METHOD 3510/M8015<br>as Diesel | 73.0                            |            | 0.73  | 1.00   | mg/L         | 09/24/1993                     | tts                               |



## KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- \* : Reporting Limits are a function of the dilution factor for any given sample. Actual reporting limits and results have been multiplied by the listed dilution factor. Do not multiply the reporting limits or reported values by the dilution factor.
- dw : Result expressed as dry weight.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than the applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference,  $100 \text{ [Value 1 - Value 2] / mean value}$ .
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

### Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, Rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, Rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.



NATIONAL ENVIRONMENTAL TESTING, INC.

SANTA ROSA DIVISION, 435 TESCONI CIRCLE, SANTA ROSA, CA 95401  
(707) 526-7200 PHONE (707) 526-9623 FAX

### CHAIN OF CUSTODY RECORD

5697

COMPANY CTTS  
 ADDRESS Po Box 515 Redwood 94572  
 PHONE (570) 779-1140 FAX none  
 PROJECT NAME/LOCATION Durham  
 PROJECT NUMBER 93-7  
 PROJECT MANAGER Lisa Polos

SAMPLED BY Lisa Polos  
 (PRINT NAME)  
 (PRINT NAME)

Lisa Polos  
 SIGNATURE  
 SIGNATURE

TURNAROUND TIME 14 DAY (S)

| DATE    | TIME | SAMPLE ID/DESCRIPTION | GRAB | COMP | # OF CONTAINERS | MATRIX           | PRESERVED Y/N | ANALYSES |       |       |       | COMMENTS |
|---------|------|-----------------------|------|------|-----------------|------------------|---------------|----------|-------|-------|-------|----------|
|         |      |                       |      |      |                 |                  |               | TPH-6    | TPH-6 | TPH-6 | TPH-6 |          |
| 7/16/93 |      | MW-11                 | X    |      | 5               | H <sub>2</sub> O |               | X        | X     | X     | X     |          |
|         |      | MW-9                  |      |      |                 |                  |               | X        | X     | X     | X     |          |
|         |      | MW-6                  |      |      |                 |                  |               | X        | X     | X     | X     |          |
|         |      | MW-5                  |      |      |                 |                  |               | X        | X     | X     | X     |          |
|         |      | MW-5D                 |      |      |                 |                  |               | X        | X     | X     | X     |          |
|         |      | Trip Blank            |      |      |                 |                  |               | X        | X     | X     | X     |          |

RESULTS TO: CTTS

INVOICE TO:

RELINQUISHED BY: Lisa Polos  
 DATE/TIME: 7/16/93 16:50

RECEIVED BY: [Signature]

RELINQUISHED BY: [Signature]  
 DATE/TIME: 9-16-93 17:15

RECEIVED BY: [Signature]

METHOD OF SHIPMENT: NCS

REMARKS:

(CUSTODY SEALED)  
9-16-93 [Signature] 17:15

