

January 12, 1998

UST Local Oversight Program
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Attention: Mr. Tom Peacock

Subject: Report of Groundwater Monitoring
Former Oakland Tribune Maintenance Garage
2302 Valdez Street, Oakland, California
GA 125-01-01
LOP Site ID No.: 3663

SFW
3663

RECEIVED
JAN 15 1998
ALAMEDA COUNTY HEALTH AGENCY

Ladies and Gentlemen:

Gribi Associates is pleased to submit this groundwater monitoring report on behalf of Oakland Tribune, Inc. for the subject site in Oakland, California (see Figure 1 and Figure 2). This letter report documents the recent monitoring of four groundwater monitoring wells (MW-1, MW-2, MW-4, and MW-9) at the site, in accordance with a letter from Alameda County dated January 31, 1996.

DESCRIPTION OF FIELD ACTIVITIES

On December 30, 1997, Mr. Jim Gribi conducted groundwater monitoring activities for four wells, MW-1, MW-2, MW-4, and MW-9. Groundwater monitoring activities were conducted in accordance with California LUFT Field Manual guidelines as follows:

- All nine wells at the site (MW-1 through MW-9) were opened, and water levels were measured to the nearest 0.01 foot using an electronic probe.
- For each of the four wells, a single bail of groundwater was taken using a clean disposable PVC bailer to check for the presence or absence of floating free product.
- Prior to sampling, each well was purged of approximately three well volumes. MW-1 and MW-2, which are two-inch wells, were purged using a dedicated disposable PVC bailer. MW-4 and MW-9, which are four-inch wells, were purged using a clean 12-volt electric purge pump. During purging, temperature, pH, conductivity, and turbidity of the well water were periodically monitored and recorded. Groundwater sampling data sheets are contained in Appendix A.

- After purging parameters had stabilized, groundwater was poured directly into laboratory-supplied containers. Each container was then tightly sealed, making sure that no air bubbles were present. Each container was then labeled and placed in cold storage for transport to the analytical laboratory under formal chain-of-custody.

RESULTS OF MONITORING

Hydrologic Conditions

Groundwater was encountered at a depth of about 14 feet below surface grade, flowing in a southerly direction at a gradient of approximately 0.011 feet/feet (see Figure 2). Slight hydrocarbon odors, with no sheens, were noted in purged water from MW-1 and MW-9. Questionable to very slight hydrocarbon odors, with no sheens, were noted in purged water from MW-2 and MW-4.

Analytical Results

Groundwater samples from the four wells were analyzed for the following parameters with standard method turn around time on results.

- USEPA 8015M Total Petroleum Hydrocarbons as Gasoline (TPH-G)
- USEPA 8020/602 Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)
- USEPA 8020/602 Methyl-t-butyl Ether (MTBE)
- USEPA 8015M Total Petroleum Hydrocarbons as Diesel (TPH-D)
- USEPA 8015M Total Petroleum Hydrocarbons as Motor Oil (TPH-MO)

Groundwater analytical results are summarized in Table 1 and on Figure 3. Laboratory data reports are contained in Appendix B.

| Table 1 | | | | | | | | | |
|--|---------------|---------------------|--------|-------|-------|--------|---------------------|-------|--------|
| SUMMARY OF GROUNDWATER ANALYTICAL RESULTS | | | | | | | | | |
| Former Oakland Tribune Maintenance Garage | | | | | | | | | |
| Sample ID | Sampling Date | Concentration (ppm) | | | | | | | |
| | | TPH-D | TPH-MO | TPH-G | B | T | E | X | MTBE |
| MW-1 | 08/16/88 | .. ¹ | -- | -- | 1.0 | 0.30 | 0.40 | 0.60 | -- |
| | 07/27/89 | -- | -- | -- | 0.10 | 0.0051 | <0.001 ² | 0.26 | -- |
| | 5/14/90 | -- | -- | -- | 0.37 | 0.13 | 0.17 | 0.11 | -- |
| | 01/18/96 | 0.99 | <0.5 | 3.3 | 0.330 | 0.039 | 0.10 | 0.085 | -- |
| | 12/30/97 | <0.100 ³ | 0.190 | 6.3 | 1.10 | 0.073 | 0.35 | 0.20 | <0.050 |



Table 1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
 Former Oakland Tribune Maintenance Garage

| Sample ID | Sampling Date | Concentration (ppm) | | | | | | | |
|-----------|---------------|---------------------|--------|-------|---------|---------|---------|---------|--------|
| | | TPH-D | TPH-MO | TPH-G | B | T | E | X | MTBE |
| MW-2 | 08/16/88 | -- | -- | -- | <0.0004 | <0.0003 | <0.0003 | <0.0004 | -- |
| | 07/27/89 | -- | -- | -- | 0.024 | <0.001 | <0.001 | 0.08 | -- |
| | 5/14/90 | -- | -- | -- | <0.03 | 0.012 | 0.12 | 0.02 | -- |
| | 01/18/96 | -- | -- | 0.20 | <0.0005 | 0.0008 | 0.0034 | 0.0025 | -- |
| | 12/30/97 | <0.100 ³ | 0.150 | 0.32 | <0.0005 | <0.0005 | 0.0035 | 0.00083 | <0.005 |
| MW-3 | 08/16/88 | -- | -- | -- | 0.052 | 0.001 | 0.0049 | 0.017 | -- |
| | 07/27/89 | -- | -- | -- | <0.001 | <0.001 | <0.001 | 0.011 | -- |
| | 05/14/90 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 01/18/96 | 1.2 ⁴ | 2.5 | -- | -- | -- | -- | -- | -- |
| MW-4 | 08/15/89 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 05/14/90 | -- | -- | -- | 0.22 | 0.02 | 0.12 | 0.18 | -- |
| | 01/18/96 | 0.47 ⁵ | <0.5 | 0.42 | 0.005 | 0.0008 | 0.0054 | 0.0071 | -- |
| | 12/30/97 | 0.079 ⁶ | 0.21 | 0.19 | 0.0045 | 0.00093 | 0.0037 | 0.0031 | <0.005 |
| MW-5 | 08/15/89 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 05/14/90 | -- | -- | -- | 0.043 | 0.001 | 0.0094 | 0.011 | -- |
| | 01/18/96 | <0.05 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-6 | 08/15/89 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 05/14/90 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 01/18/96 | <0.05 | <0.5 | -- | -- | -- | -- | -- | -- |
| MW-7 | 08/15/89 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 05/14/90 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 01/18/96 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| MW-8 | 05/18/90 | -- | -- | -- | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| | 01/18/96 | <0.05 | <0.5 | <0.05 | <0.0005 | <0.0005 | <0.0005 | <0.0005 | -- |
| MW-9 | 05/18/90 | -- | -- | -- | 0.0085 | 0.0081 | 0.0044 | 0.0054 | -- |
| | 01/18/96 | 0.70 ⁴ | <0.5 | 2.4 | 0.028 | 0.020 | 0.028 | 0.028 | -- |
| | 12/30/97 | <0.10 ⁴ | <0.10 | 4.7 | 0.056 | 0.020 | 0.030 | 0.027 | <0.025 |

ND

ND

ND

ND

ND

ND

ND

down gradient

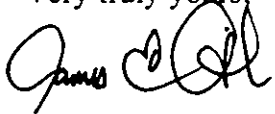
- 1 - Not analyzed for this analyte.
- 2 - Not detected above the expressed value.
- 3 - West Laboratory report states "Increased reporting limit due to gas and oil range interference."
- 4 - NET laboratory report states: "The positive result appears to be a lighter hydrocarbon than Diesel."
- 5 - West Laboratory report states "Not typical diesel."
- 6 - West Laboratory report states "Increased reporting limit due to gasoline range interference."

CONCLUSIONS

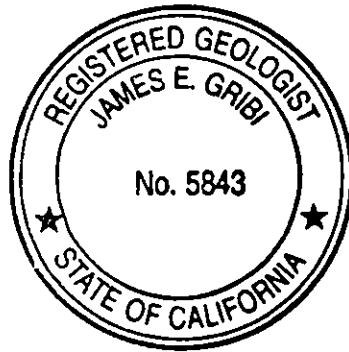
Groundwater analytical results for MW-1, MW-2, MW-4, and MW-9 are similar to previous results, with slightly higher TPH-G and BTEX results during this monitoring in groundwater from MW-1 and MW-9. These results seem to indicate a fairly stable groundwater hydrocarbon plume, extending south from the former UST source beneath 23rd Street. Given the location of this site in an urban setting and the relatively stable hydrocarbon plume, we do not believe that the remaining groundwater hydrocarbon plume poses a significant risk to surrounding public health or the environment.

We appreciate the opportunity to provide this report for your review. Please contact us if there are questions or if additional information is required.

Very truly yours,



James E. Gribi
Registered Geologist
California No. 5843



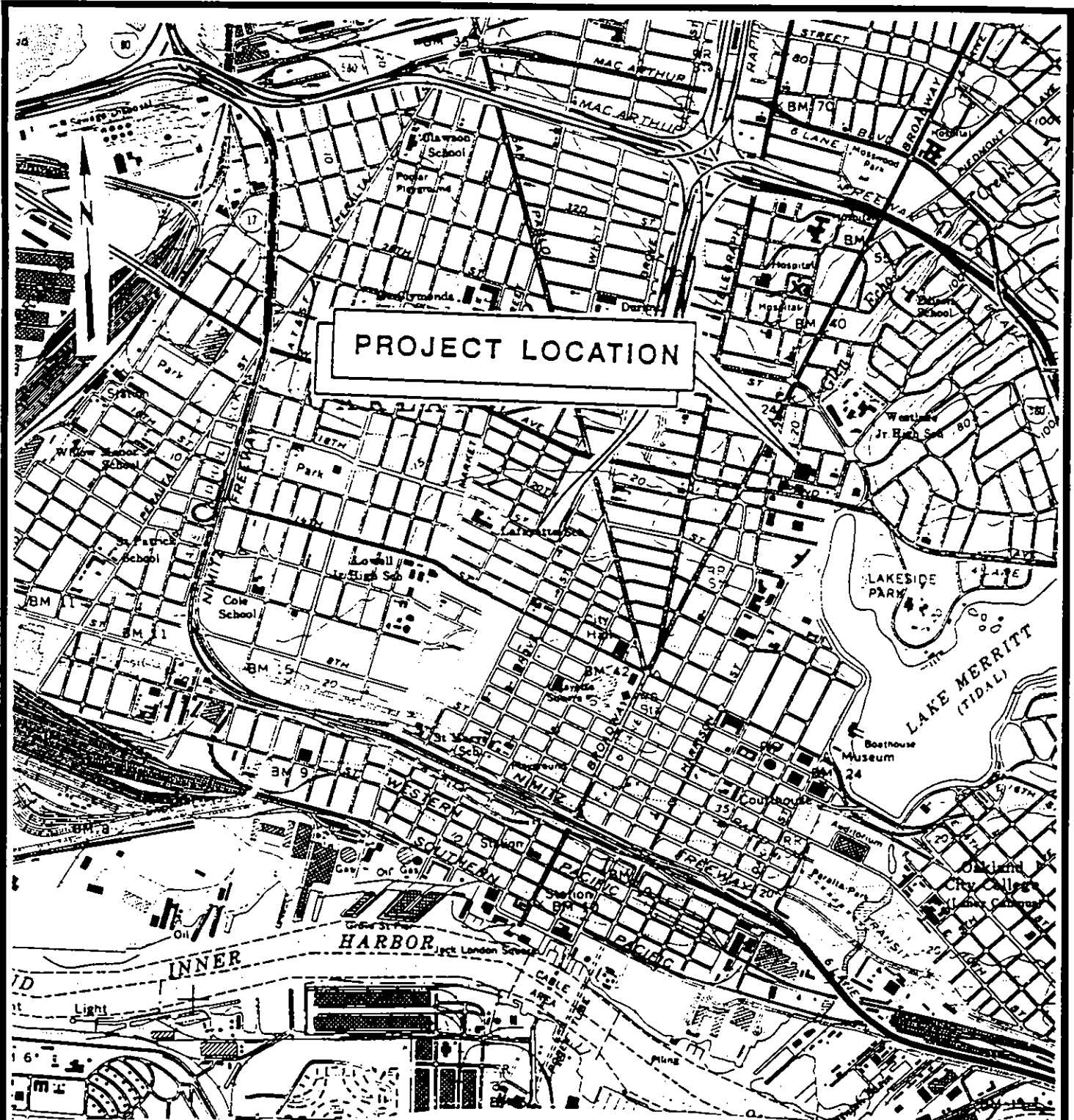
JEG:ct
Enclosure

c Mr. Arthur Goldman, Ritchie Commercial

1940 Webster

834-6464

Oakland 94612

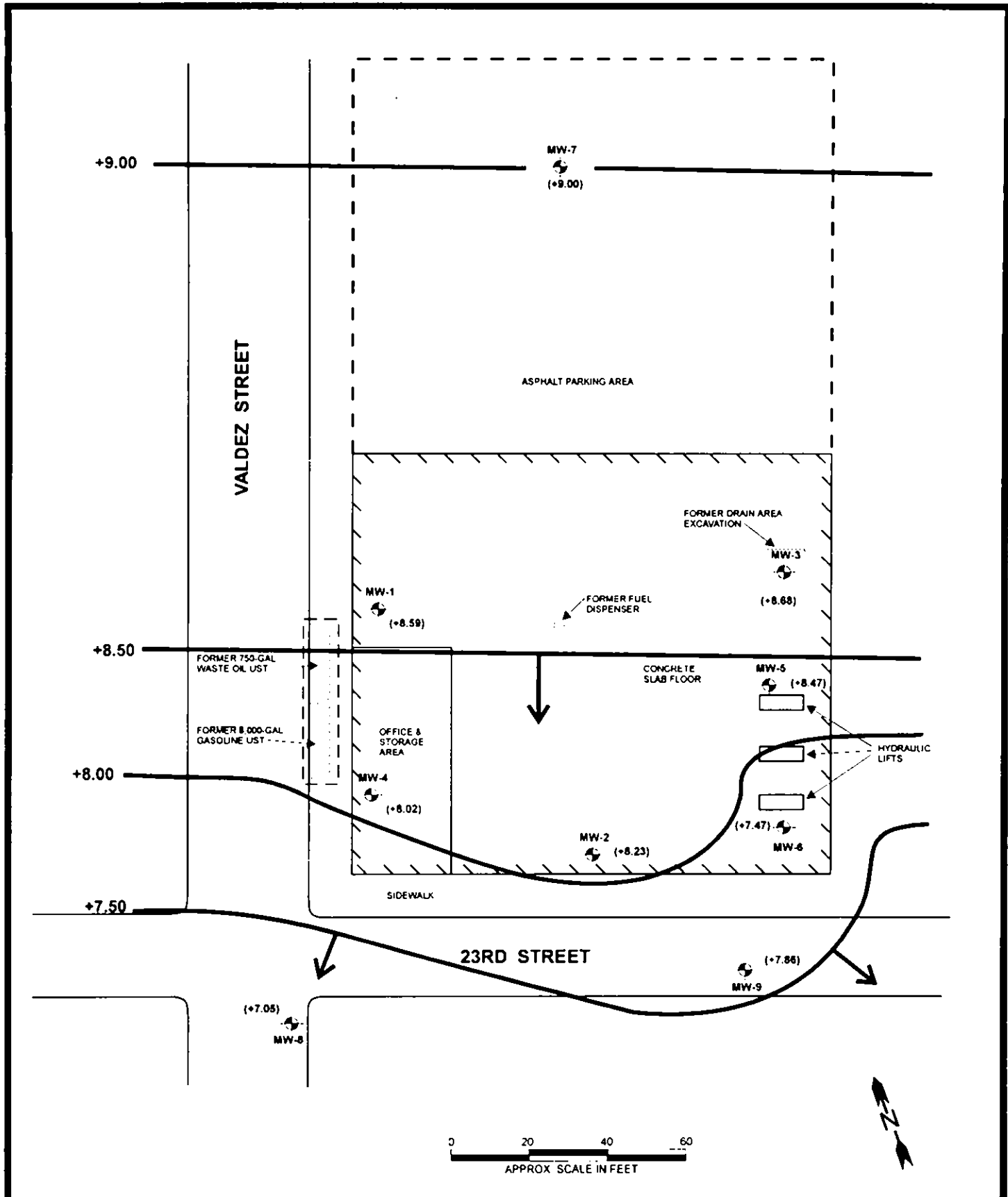


PROJECT LOCATION

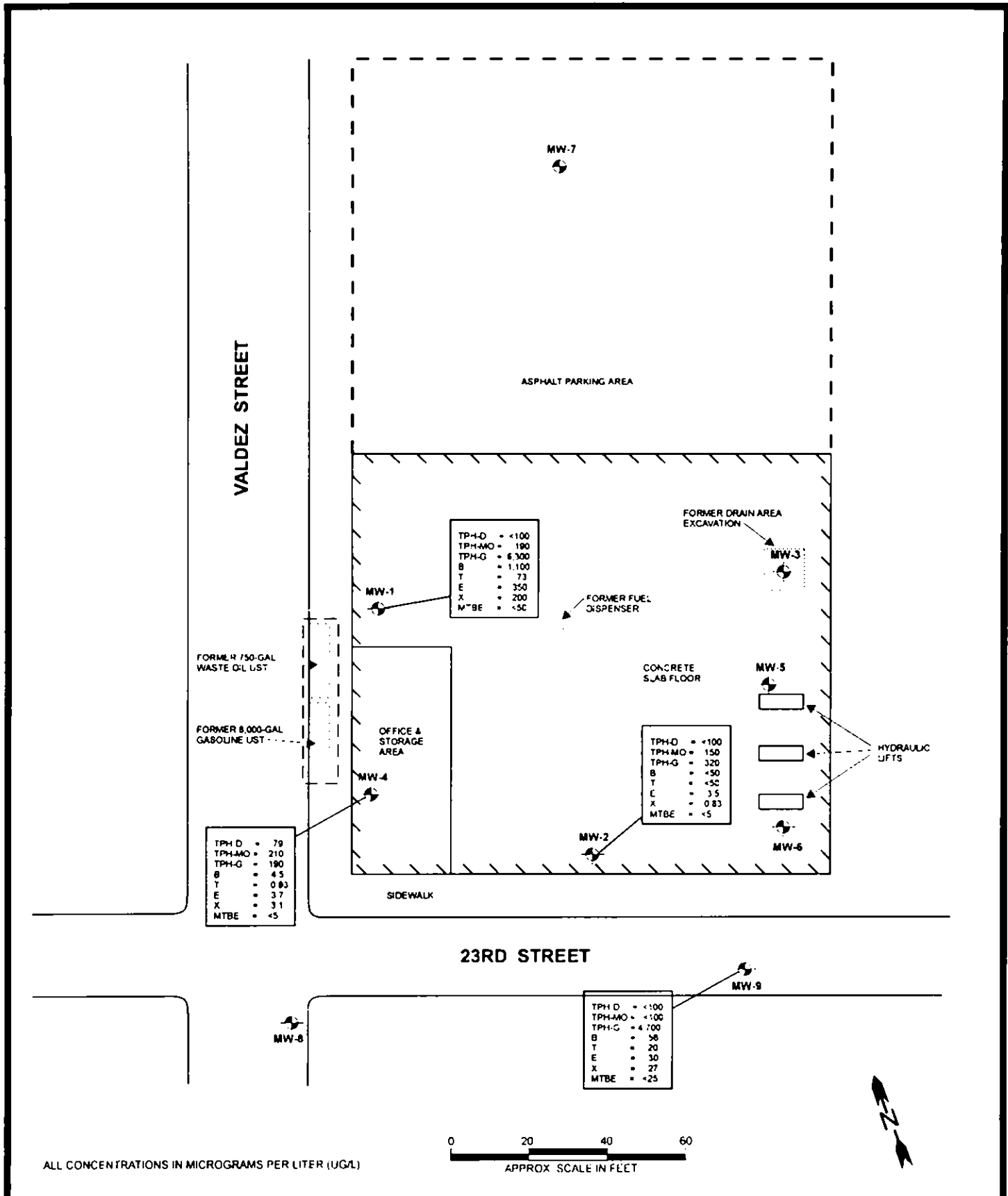
TOPOGRAPHY FROM OAKLAND WEST, CA
7 5-MINUTE QUADRANGLE MAP, 1993



| | | | | |
|----------------------|----------------|--------------------------|---|----------|
| DESIGNED BY | CHECKED BY | SITE VICINITY MAP | DATE: 01/09/98 | FIGURE 1 |
| DRAWN BY JG | SCALE 1/24,000 | | FORMER OAKLAND TRIBUNE SHOP 2302 VALDEZ STREET OAKLAND, CALIFORNIA | |
| PROJECT NO 125-01-01 | | GRIBI Associates | | |



| | | | | |
|-----------------------|-------------|---|-------------------------|-----------|
| DESIGNED BY | CHECKED BY: | GROUNDWATER ELEVATION MAP 12/30/97 FORMER OAKLAND TRIBUNE SHOP OAKLAND, CALIFORNIA | DATE: 01/09/98 | FIGURE: 2 |
| DRAWN BY: JG | SCALE: | | GRIBI Associates | |
| PROJECT NO: 125-01-01 | | | | |



| | | | | |
|-----------------------|-------------|--|-------------------------|-----------|
| DESIGNED BY: | CHECKED BY: | GROUNDWATER HYDROCARBON RESULTS, 12/30/97 | DATE: 01/09/98 | FIGURE: 3 |
| DRAWN BY: JG | SCALE: | | GRIBI Associates | |
| PROJECT NO: 125-01-01 | | FORMER OAKLAND TRIBUNE SHOP OAKLAND, CALIFORNIA | | |

GROUNDWATER SAMPLING RECORD

GRIBI Associates

| | |
|--|--|
| Well No. <u>MW-1</u> | Well Loc. |
| Project Name <u>DAK-TRIB.</u> | Project No. <u>125-01-01</u> |
| Date <u>12/30/97</u> Time | TOC Elevation <u>22.87</u> GW Elevation <u>+8.59</u> |
| Depth to Water <u>14.28</u> | Well Depth <u>25'</u> Well Diameter <u>2"</u> |
| Purge Water, 2": Wtr Column X 0.163 X 3 = <u>5.0</u> | Purge Water, 4": Wtr Column X 0.653 X 3 = |
| Purge/Sample Method <u>BAILER</u> | Lab Analyses |
| Weather Conditions | Laboratory |

| Time | Volume Purged | Temp. | Cond. | pH | Visual |
|-------------|---------------|-------------|-------------|-------------|----------------------|
| <u>1:00</u> | <u>0</u> | <u>61.2</u> | <u>0.27</u> | <u>7.30</u> | <u>Clr SLHC ODBR</u> |
| | <u>1</u> | <u>63.2</u> | <u>0.24</u> | <u>7.13</u> | <u>"</u> |
| | <u>2</u> | <u>65.0</u> | <u>0.24</u> | <u>7.40</u> | <u>"</u> |
| | <u>3</u> | <u>64.7</u> | <u>0.26</u> | <u>7.35</u> | <u>"</u> |
| | <u>4</u> | <u>64.6</u> | <u>0.30</u> | <u>7.28</u> | <u>"</u> |
| | <u>5</u> | <u>64.5</u> | <u>0.31</u> | <u>7.31</u> | <u>"</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Remarks

| GROUNDWATER SAMPLING RECORD | | GRIBI Associates | |
|---|------|---|-------------------|
| Well No. MW-2 | | Well Loc. | |
| Project Name | | Project No. | |
| Date | Time | TOC Elevation 22.59 | GW Elevation 8.23 |
| Depth to Water 14.36 | | Well Depth 26' | Well Diameter 2" |
| Purge Water, 2": Wtr Column X 0.163 X 3 = 5 | | Purge Water, 4": Wtr Column X 0.653 X 3 = | |
| Purge/Sample Method BAILEY | | Lab Analyses | |
| Weather Conditions | | Laboratory | |

| Time | Volume Purged | Temp. | Cond. | pH | Visual |
|------|---------------|-------|-------|------|-----------------|
| | 0 | 61.9 | 1.54 | 7.83 | CLR SL Mky grey |
| | 1 | 64.3 | 1.44 | 7.50 | ✓ SL HC/SWAMP |
| | 2 | 65.7 | 2.12 | 7.20 | ODOR? |
| | 3 | 66.0 | 2.37 | 7.19 | " |
| | 4 | 66.0 | 2.47 | 7.04 | " |
| | 5 | 66.3 | 2.42 | 7.02 | " |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Remarks

| GROUNDWATER SAMPLING RECORD | | GRIBI Associates | |
|---|--|---|-------------------|
| Well No. MW-4 | | Well Loc. | |
| Project Name OAK. TRIB. | | Project No. 125-01-01 | |
| Date 12/30/97 Time 11:40 | | TOC Elevation 22.65 | GW Elevation 8.02 |
| Depth to Water 14.63 | | Well Depth ~25' | Well Diameter 4" |
| Purge Water, 2": Wtr Column X 0.163 X 3 = | | Purge Water, 4": Wtr Column X 0.653 X 3 = | 19.5 |
| Purge/Sample Method 12V Purge Pump | | Lab Analyses | |
| Weather Conditions | | Laboratory | |

| Time | Volume Purged | Temp. | Cond. | pH | Visual |
|------|------------------|-------|-------|------|--------------------------|
| | 0 | 63.1 | 10.88 | 7.39 | CLR SL HC 0001 No Sp. |
| | 4 | 64.7 | 11.62 | 7.21 | " |
| | 8 | 66.0 | 12.26 | 7.20 | " |
| | 14 14 | 65.9 | 12.24 | 7.20 | " |
| | 14 19 | 65.8 | 12.25 | 7.23 | " |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Remarks

WEST LABORATORY

Sample Log 17781
January 06, 1998

Jim Gribi
Gribi Associates
3425 Alder St.
Eugene, OR 97405

Subject : 4 Water samples
Project Name : Oakland Tribune
Project Number . 125-01-01

Location : Oakland

Dear Mr. Gribi,

Chemical analysis on the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. USEPA protocols for sample storage and preservation were followed.

WEST Laboratory is certified by the State of California (# 1346). If you have any questions regarding procedures or results, please call me at 530-757-0920.

Sincerely,


Stewart Podolsky

WEST LABORATORY

Sample Log 17781
17781-01

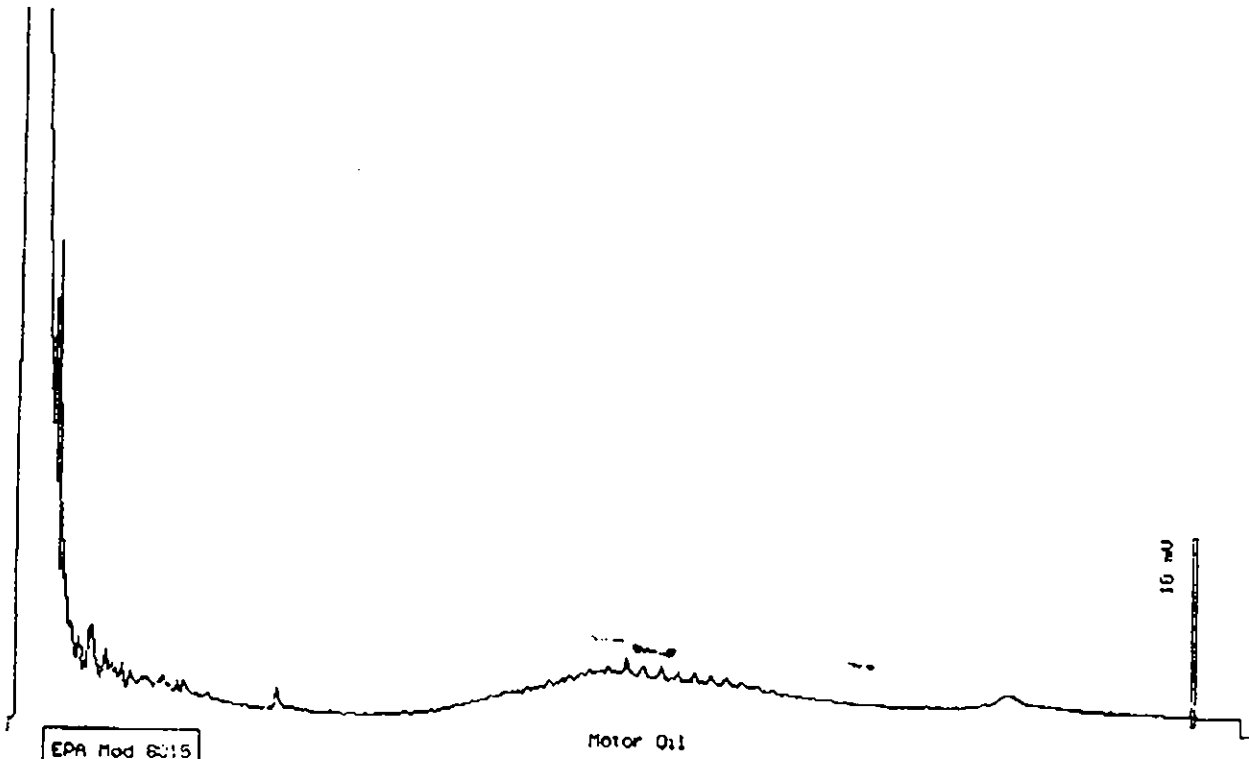
Sample: MW-1

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Extracted: 12/31/97
Dilution : 1:1
Matrix : Water

QC Batch : DW971203
Run Log : 7393C

| Parameter | (MRL) $\mu\text{g/L}$ | Measured Value $\mu\text{g/L}$ |
|------------------|-----------------------|--------------------------------|
| TPH as Diesel | (100) | <100 * |
| TPH as Motor Oil | (100) | 190 |

* Increased reporting limit due to gas and oil range interferences.



Date: 12-31-97 Time: 19:10:00
Column : 0.83mm ID X 15m Rtx-1 (Restek Corporation)

[Signature]
Stewart Podolsky
Senior Chemist

WEST LABORATORY

Sample Log 17781
17781-02

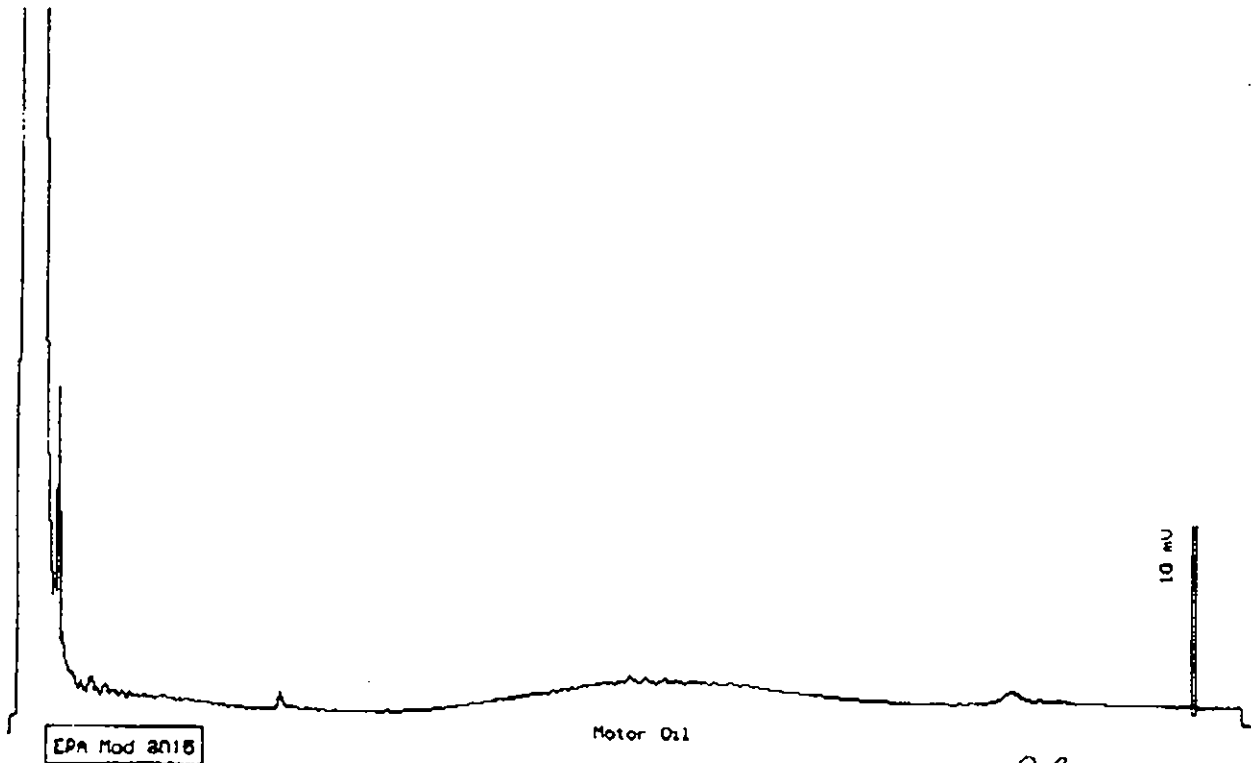
Sample: MW-2

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Extracted: 12/31/97
Dilution : 1:1
Matrix : Water

QC Batch : DW971203
Run Log : 7393C

| Parameter | (MRL) ug/L | Measured Value ug/L |
|------------------|------------|---------------------|
| TPH as Diesel | (100) | <100 * |
| TPH as Motor Oil | (100) | 150 |

* Increased reporting limit due to gas and oil range interferences.



Date: 12-31-97 Time: 19:43:24
Column : 0.53mm ID x 15m Rtx-1 (Restek Corporation)

[Signature]
Stewart Podolsky
Senior Chemist

WEST LABORATORY

Sample Log 17761
17761-03

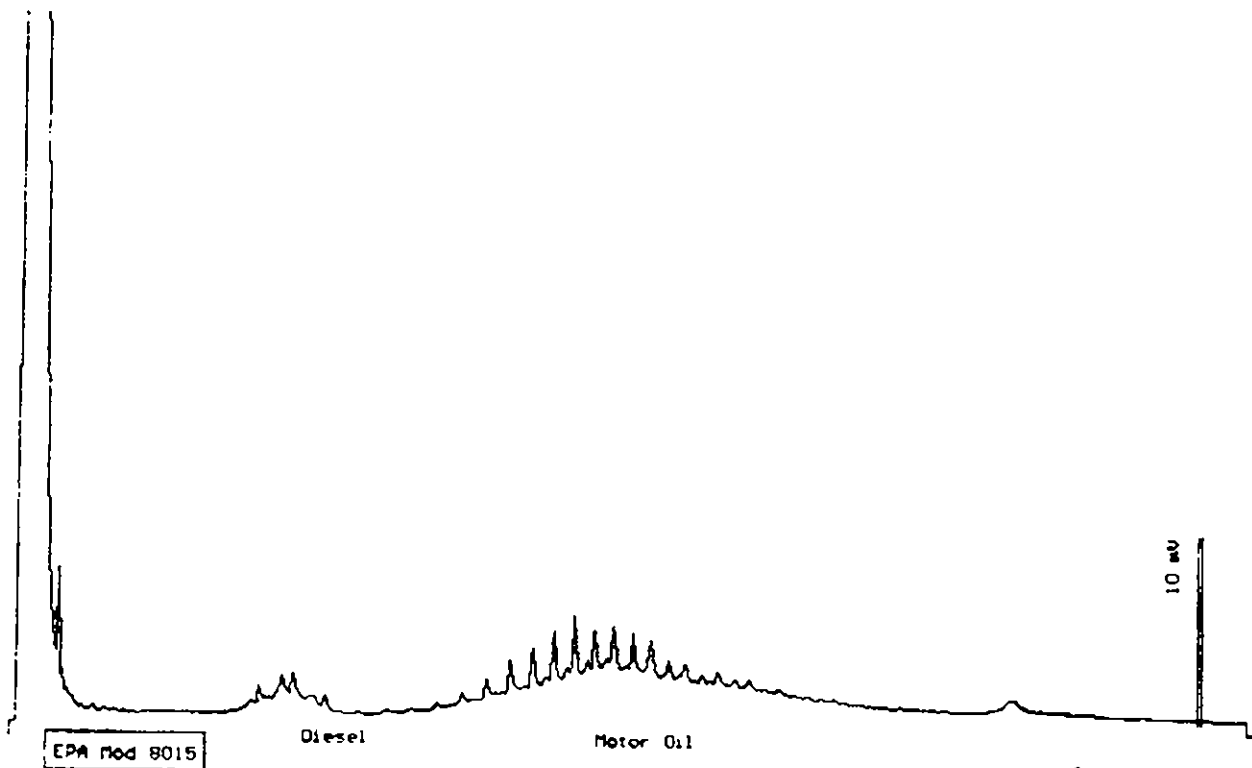
Sample: MW-4

From : Oakland Tribune (Proj. # 125-01-01)
 Sampled : 12/30/97
 Extracted: 12/31/97
 Dilution : 1:1
 Matrix : Water

QC Batch : DW971203
 Run Log : 7393C

| Parameter | (MRL) ug/L | Measured Value ug/L |
|------------------|------------|---------------------|
| TPH as Diesel | (50) | 79 * |
| TPH as Motor Oil | (100) | 210 |

* Not typical diesel.



Date: 12-31-97 Time: 20:16:52
 Column : 0.53mm ID X 15m Rtx-: (Restek Corporation)

SP
 Stewart Podolsky
 Senior Chemist

WEST LABORATORY

Sample Log 17781
17781-04

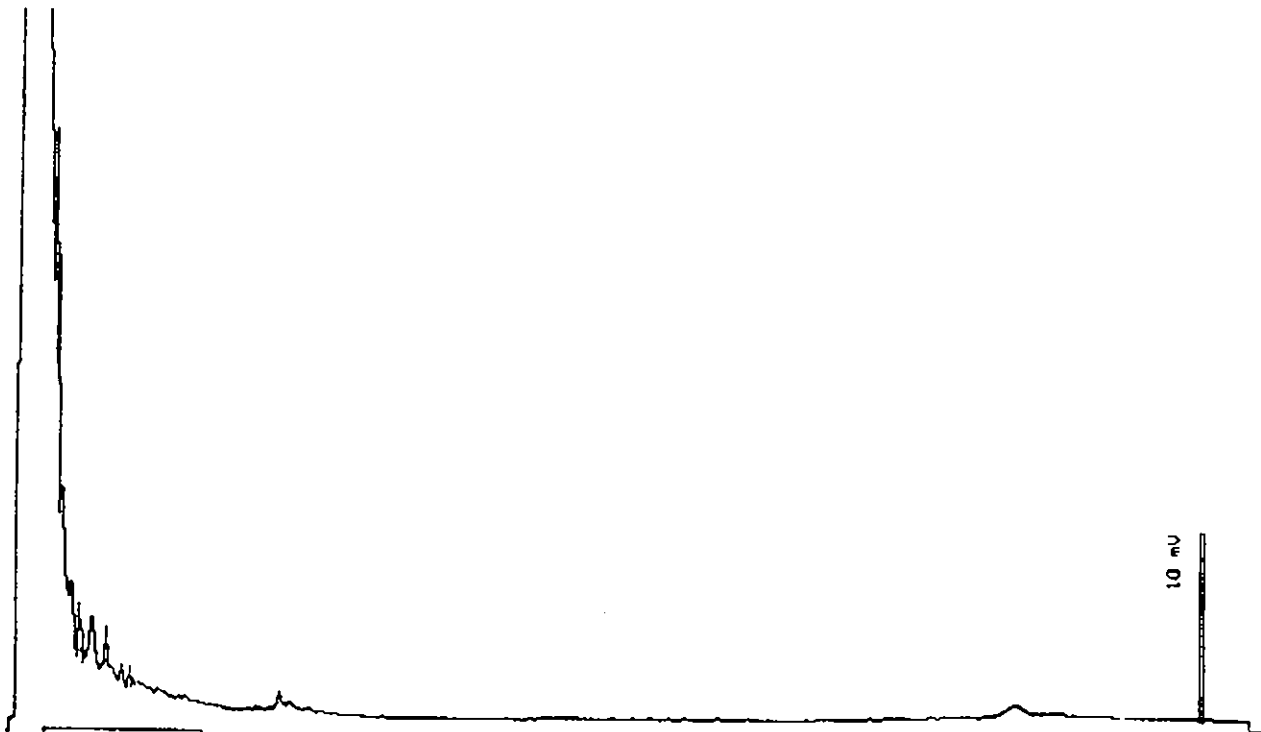
Sample: MW-9

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Extracted: 12/31/97
Dilution : 1:1
Matrix : Water

QC Batch : DW971203
Run Log : 7393C

| Parameter | (MRL) ug/L | Measured Value ug/L |
|------------------|------------|---------------------|
| TPH as Diesel | (100) | <100 * |
| TPH as Motor Oil | (100) | <100 |

* Increased reporting limit due to gasoline range interference.



EPA Mod 8015

Date: 12-31-97 Time: 20:50:11
Column : 0.53mm ID X 15m Rtx-1 (Restek Corporation)

SP
Stewart Podolsky
Senior Chemist



January 5, 1998
Sample Log 17781

MTBE (Methyl-t-butyl ether) By EPA Method 8020/602

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Received : 12/30/97
Matrix : Water

| SAMPLE | Date Analyzed | (MRL) _{ug/L} | Measured Value _{ug/L} |
|--------|---------------|-----------------------|--------------------------------|
| MW-1 | 01/02/98 | (50) | <50 |
| MW-2 | 01/02/98 | (5.0) | <5.0 |
| MW-4 | 01/02/98 | (5.0) | <5.0 |
| MW-9 | 01/05/98 | (25) | <25 |

Approved By:

mp

Stewart Podolsky
Senior Chemist



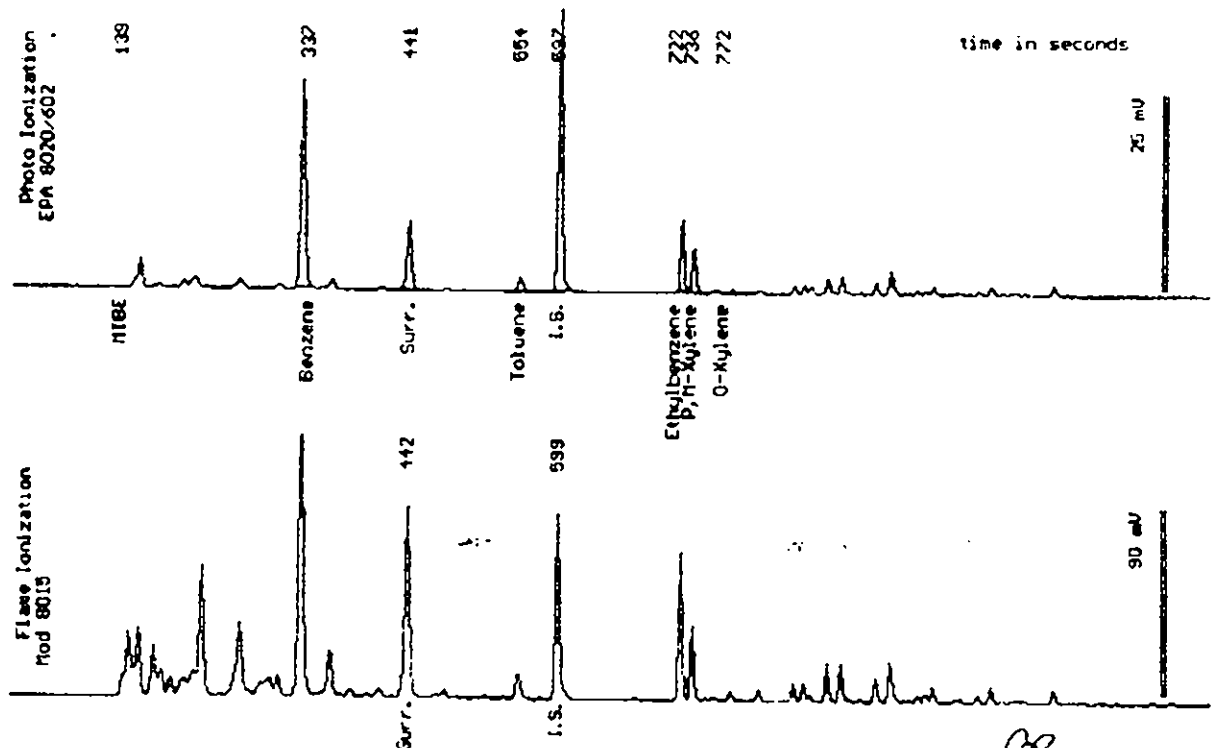
Sample Log 17781
17781-01

Sample: MW-1

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Dilution : 1:50
Matrix : Water

Run Log : 4168X

| Parameter | (MRL) $\mu\text{g/L}$ | Measured Value $\mu\text{g/L}$ |
|--------------------|-----------------------|--------------------------------|
| Benzene | (25) | 1100 |
| Toluene | (25) | 73 |
| Ethylbenzene | (25) | 350 |
| Total Xylenes | (25) | 200 |
| TPH as Gasoline | (2500) | 6300 |
| Surrogate Recovery | | 99 % |



Date Analyzed: 01-05-98
Column : 0.53mm ID X 60m Restek Rtx-1701

SP
Stewart Podolsky
Senior Chemist

WEST LABORATORY

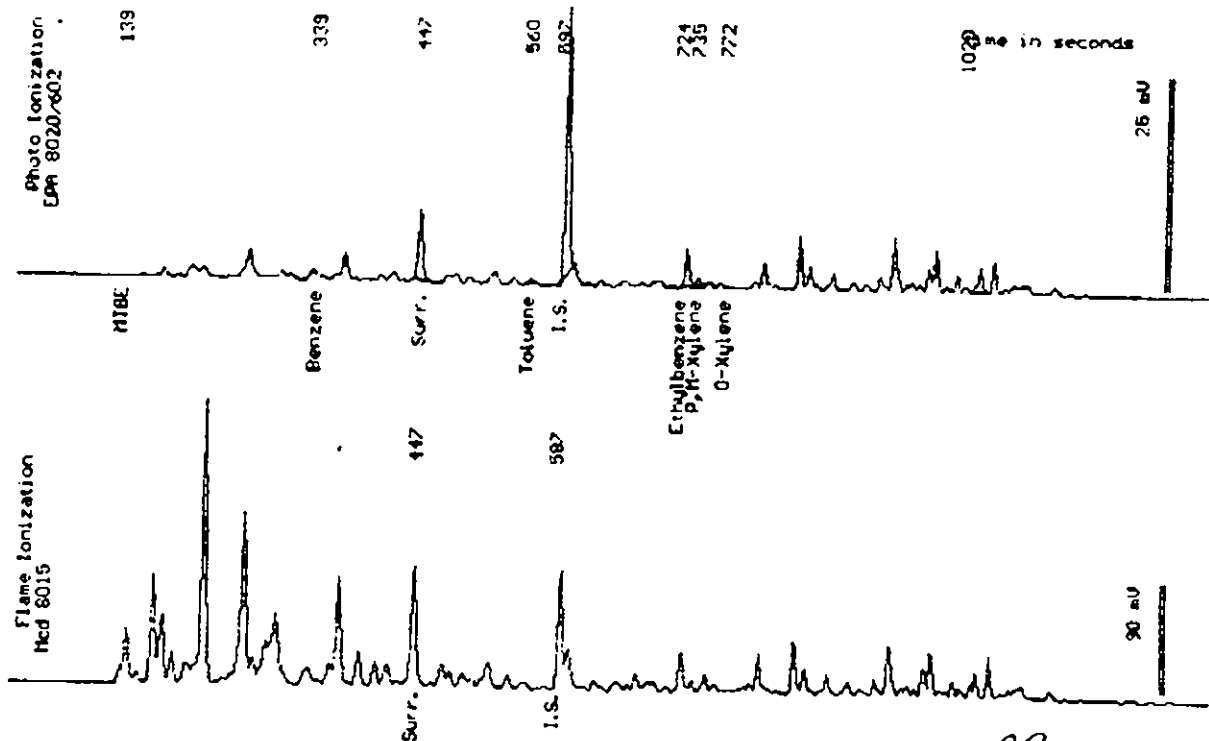
Sample Log 17781
17781-02

Sample: MW-2

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Dilution : 1:1
Matrix : Water

Run Log : 4168W

| Parameter | (MRL) $\mu\text{g/L}$ | Measured Value $\mu\text{g/L}$ |
|--------------------|-----------------------|--------------------------------|
| Benzene | (.50) | <.50 |
| Toluene | (.50) | <.50 |
| Ethylbenzene | (.50) | 3.5 |
| Total Xylenes | (.50) | .83 |
| TPH as Gasoline | (50) | 320 |
| Surrogate Recovery | | 111 % |



Date Analyzed: 01-02-98
Column : 0.53mm ID X 60m Restek Rtx-1701

St
Stewart Podolsky
Senior Chemist

WEST LABORATORY

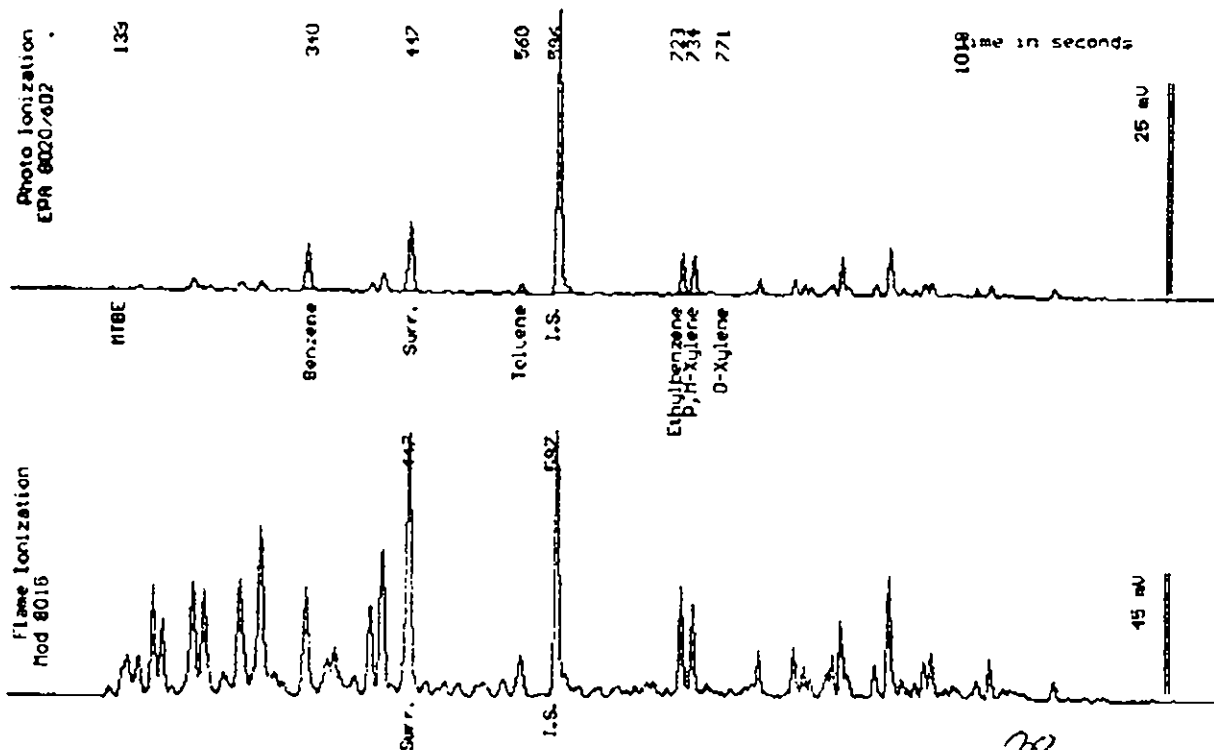
Sample Log 17781
17781-03

Sample: MW-4

From : Oakland Tribune (Proj. # 125-01-01)
Sampled : 12/30/97
Dilution : 1:1
Matrix : Water

Run Log : 4168W

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (.50) | 4.5 |
| Toluene | (.50) | .93 |
| Ethylbenzene | (.50) | 3.7 |
| Total Xylenes | (.50) | 3.1 |
| TPH as Gasoline | (50) | 190 |
| Surrogate Recovery | | 108 % |



Date Analyzed: 01-02-98
Column : 0.33mm ID X 60m Restar Qtx-1701

St
Stewart Podolsky
Senior Chemist



Sample Log 17781

17781-04

Sample: MW-9

From : Oakland Tribune (Proj. # 125-01-01)

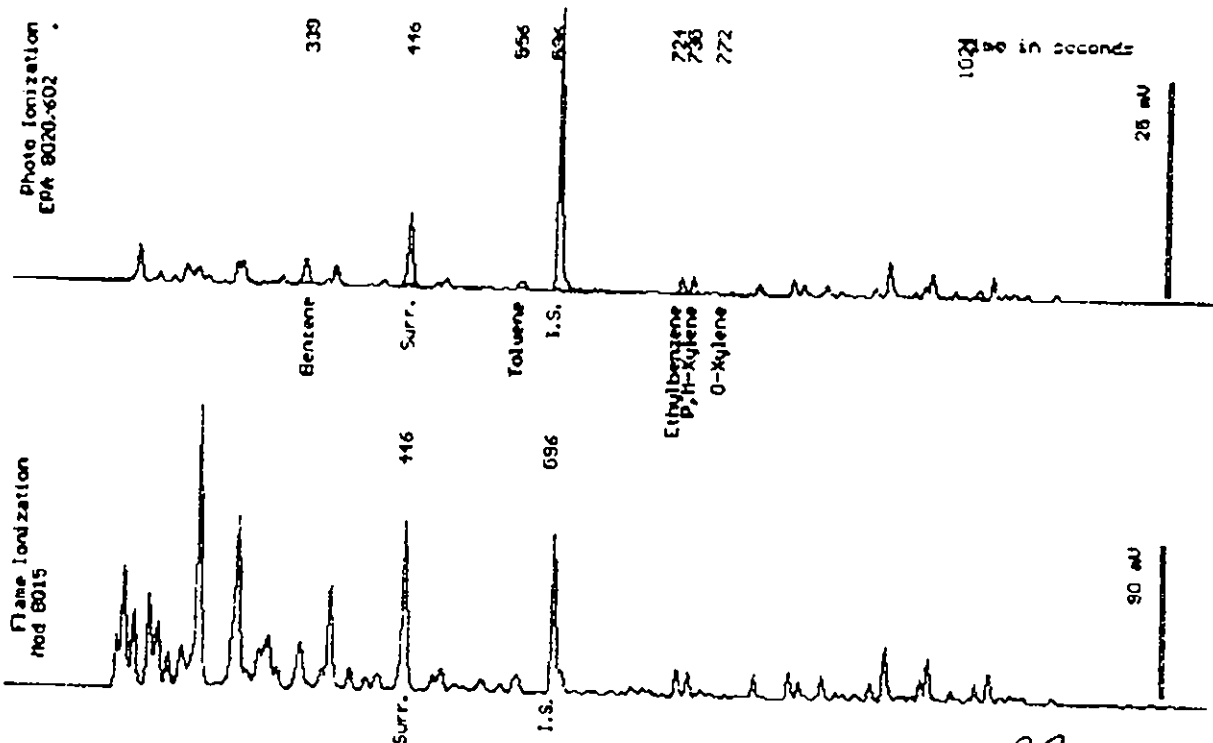
Sampled : 12/30/97

Dilution : 1:20

Matrix : Water

Run Log : 4168W

| Parameter | (MRL) ug/L | Measured Value ug/L |
|--------------------|------------|---------------------|
| Benzene | (10) | 56 |
| Toluene | (10) | 20 |
| Ethylbenzene | (10) | 30 |
| Total Xylenes | (10) | 27 |
| TPH as Gasoline | (1000) | 4700 |
| Surrogate Recovery | | 110 % |



Date Analyzed: 01-02-98
 Column: 0.53mm ID X 60m Restek Rtx-1701

SP
 Stewart Podolsky
 Senior Chemist

WEST LABORATORY

January 5, 1998
Sample Log 17781

QC Report for EPA 602 & Modified EPA 8015
Run Log : 4168W
From : Oakland Tribune (Proj. # 125-01-01)
Sample(s) Received : 12/30/97

| Parameter | Matrix Spike % Recovery | Matrix Spike Duplicate % Recovery | RPD * |
|--------------|----------------------------|---|-------|
| Benzene | 116 | 111 | 4 |
| Ethylbenzene | 111 | 108 | 3 |

No gasoline spike recovery due to high gas in spiked sample.

* RPD = Relative Percent Difference

| Parameter | Laboratory Control Sample % Recovery |
|--------------|---|
| Benzene | 98 |
| Ethylbenzene | 100 |
| Gasoline | 107 |

| Parameter | Method Blank |
|-----------------|--------------|
| Benzene | <0.50 ug/L |
| Toluene | <0.50 ug/L |
| Ethylbenzene | <0.50 ug/L |
| Total Xylenes | <0.50 ug/L |
| TPH as Gasoline | <50 ug/L |

Stewart Podolsky
Senior Chemist

WEST LABORATORY

January 7, 1998

QC Report
TPH Diesel/Motor Oil by 8015 Mod

QC Batch DW971203

Matrix: Water

Spike and Spike Duplicate Results


| Parameter | Matrix Spike (%Rec) | Matrix Spike Dup. (%Rec) | RPD % |
|---------------|---|--------------------------|-------|
| TPH as Diesel | Not enough sample for spiking. See duplicate LCS Data. | | |

Laboratory Control Spike

| Parameter | Laboratory Control Spike (%Rec) | Laboratory Control Spike Dup. (%Rec) | RPD % |
|---------------|---------------------------------|--------------------------------------|-------|
| TPH as Diesel | 94 | 104 | 10 |

Method Blank

| Parameter | MDL (ug/L) | Measured Value (ug/L) |
|------------------|------------|-----------------------|
| TPH as Diesel | (50) | <50 |
| TPH as Motor Oil | (100) | <100 |


Stewart Podolsky
Senior Chemist

