



Subsurface Consultants, Inc.

June 4, 1999
SCI 447.055

ENVIRONMENTAL
PROTECTION
99 JUN - 8 PM 3:23

Mr. George Hill
305 Sheridan Avenue
Piedmont, California 94611

Mr. Gordon Linden
101 Gleneden Avenue
Oakland, California 94611

Groundwater Monitoring
March 1999 Quarterly Event
Connell Automobile Dealership (St ID# 469)
3093 Broadway
Oakland, California

Dear Messrs. Hill & Linden:

This letter records the results of the March 1999 quarterly groundwater monitoring event, as well as the January, February, March and April 1999 free product recovery events performed by Subsurface Consultants, Inc. (SCI) at the Connell Automobile Dealership in Oakland, California. The facility is situated at the southwest corner of the intersection of Hawthorne Street and Broadway, as shown on the Site Plan, Plate 1.

BACKGROUND

On December 18, 1989, three underground storage tanks (USTs), which previously contained gasoline, diesel, and waste oil, were removed from a sidewalk area located adjacent to the existing Connell facility. A dispenser island located within the existing building was also removed at that time. SCI understands that the pipelines connecting the fuel dispenser island with the USTs remained in-place.

Fourteen wells have been periodically sampled at the site since 1990 to evaluate impacts to groundwater due to previous UST releases. Impacts documented to date include a free floating gasoline plume and a mixed plume containing petroleum and chlorinated hydrocarbons. Since

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1991, free product recovery has been conducted on a monthly basis by hand-bailing product from site wells. In October 1996, an internal combustion engine was installed to remove product from well MW-6 using soil vapor extraction (SVE) technologies. Due to elevated groundwater levels at the site caused by high seasonal rains, the SVE system was taken off-line and removed from the site in March 1998. Product recovery by hand bailing is ongoing.

MONITORING ACTIVITIES

Groundwater monitoring during this event was performed in accordance with the program outlined in the Alameda County Health Care Services Agency (ACHCSA) letter dated January 26, 1998. The program includes periodic sampling of the wells and monthly product level measurements and removal. The March 1999 event was conducted as a quarterly event.

Monthly Free Product Removal

Measurements of separate-phase product thickness and depth-to-water are summarized in Table 1. Free floating product was observed and removed from wells MW-1, MW-6 and MW-14 during this quarter. The quantity of free product removed to date is summarized in Table 2. Data from the January through April 1999 monthly measurements are attached.

Groundwater Monitoring

On March 24, 1999, depth-to-water and free product thicknesses were measured in the site wells. Groundwater and free product elevation data are summarized in Table 2. The groundwater flow direction is generally towards the southeast at gradients varying from 0.01 to 0.1 ft/ft. Groundwater surface contours for this event are presented on Plate 2.

In accordance with the approved monitoring plan, wells MW-1, MW-4, MW-7, MW-8, MW-9, and MW-13 were to be purged and sampled during this quarterly event. Well MW-1, however, was not purged nor sampled due to the presence of free product. On March 25 through 30, 1999, the other wells were purged by removing water with new disposable bailers or a submersible pump. The wells were purged until measurements of pH, temperature, and conductivity had stabilized. After the wells recharged to within 80 percent of their initial level, they were sampled with new disposable bailers. Purge water was placed in 55-gallon drums and remains on-site pending later disposal.

Groundwater samples collected from the wells were submitted for chemical analyses. The samples were retained in pre-cleaned containers supplied by the analytical laboratories and were placed in ice-filled coolers and remained iced until delivery to the laboratory. Chain-of-custody records accompanied the samples.

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ANALYTICAL TESTING

Curtis & Tompkins, Ltd., a state-certified chemical testing laboratory performed chemical analyses of samples from the wells. The samples were analyzed for the constituents listed below.

| Analysis | Sample Preparation Method | Analysis Method |
|--|----------------------------------|------------------------|
| Total Volatile Hydrocarbons (TVH) | EPA 5030 | EPA 8015 Mod. |
| Total Extractable Hydrocarbons (TEH) | EPA 3520 | EPA 8015 Mod. |
| Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) | EPA 5030 | EPA 8021 |
| Methyl Tertiary Butyl Ether (MtBE) | EPA 5030 | EPA 8021 |
| 1,2 Dichloroethane (1,2-DCA) | EPA 5030 | EPA 8260 |

Summaries of analytical test results are summarized in Tables 3 and 4. Field sampling forms, analytical test reports, and chain-of-custody documents for this event are attached.

DISCUSSION AND CONCLUSIONS

Groundwater Flow Direction and Gradient

The groundwater flow direction trends across the site from the northwest to southeast. This flow pattern is typical of what has been observed throughout the study. Elevations measured during this event vary approximately 14 feet across the site. A relatively flat area exists in the western portion of the site where the gradient is on the order of 0.01 ft/ft. A steeper gradient (0.1 ft/ft) exists on the eastern portion of the site.

Free Product

Free product is present in three of the site wells (MW-1, MW-6, and MW-14) on a relatively consistent basis. There was also a trace of product observed on the outside of a bailer placed into well MW-4 during this event. To date approximately 370 gallons of free product have been recovered.

Sample Well Test Results

The concentrations of dissolved hydrocarbons in wells MW-4, MW-8, MW-9 and MW-13 are similar to previous measurements. Dissolved hydrocarbons were not detected in well MW-7.

MtBE was detected in wells MW-4 (450 ug/l), MW-8 (4.4 ug/l), and MW-9 (5.7 ug/l) using EPA Method 8021. However, these values may potentially be "false positives" since MtBE was not

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identified by the laboratory when samples of the free product were analyzed in 1991. To confirm that these detections are false positives, samples from the wells will be analyzed for MtBE using EPA Method 8260 during the next event. MtBE was not detected in wells MW-7 and MW-13.

ONGOING ACTIVITIES

The ACHCSA recently approved the scope of ongoing groundwater monitoring for the site as proposed in the SCI Work Plan dated April 15, 1999, with the exception that additional analytical testing be conducted to provide further site characterization data. The new plan 1) expands the testing program to include waste oil constituents, 2) increases the frequency of sampling to quarterly for all wells which do not contain free floating product or petroleum sheen, and 3) eliminates the requirement for ongoing sampling of wells MW-2, MW-3, MW-5, MW-10 and MW-11. The modified analysis program includes the tests listed below.

Groundwater Analysis Program

Revised May 1999

| Analysis | Sample Preparation Method | Analysis Method |
|--|--------------------------------------|----------------------------|
| Total Volatile Hydrocarbons (TVH) | EPA 5030 | EPA 8015 Mod. |
| Total Extractable Hydrocarbons (TEH) diesel and motor oil ranges | EPA 3520 | EPA 8015 Mod. |
| Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) | EPA 5030 | EPA 8021 |
| Methyl Tertiary Butyl Ether (MtBE) | EPA 5030 | EPA 8021/8260 |
| 1,2 Dichloroethane (1,2-DCA) | EPA 5030 | EPA 8260 |
| Halogenated Volatile Organic Compounds (HVOC) | EPA 5030 | EPA 8010 |
| Semi-volatile Organic Compounds (SVOC) | EPA 3520 | EPA 8270 |
| Cadmium, Chromium, Lead, Nickel and Zinc | EPA 6010 | ICP |

SCI will continue to check for free product and record water level measurements for all wells on a monthly basis. Free product will also be removed by hand bailing.

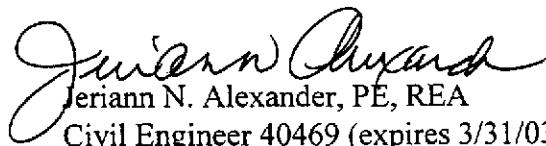
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The next sampling event will be conducted in June 1999. If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



Jeriann N. Alexander

Jeriann N. Alexander, PE, REA

Civil Engineer 40469 (expires 3/31/03)

Registered Environmental Assessor 03130 (exp. 6/30/00)

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Attachments: Plate 1 - Site Plan
Plate 2 - Groundwater Elevation Contours

Table 1 - Groundwater and Free Product Elevation Data

Table 2 - Free Product Recovery

Table 3 - Summary of Petroleum Hydrocarbon and VOC Concentrations in
Groundwater

Table 4 - Summary of Semi-Volatile Organic Compounds and Oil and Grease

Field Forms- January through April 1999

Analytical Test Reports

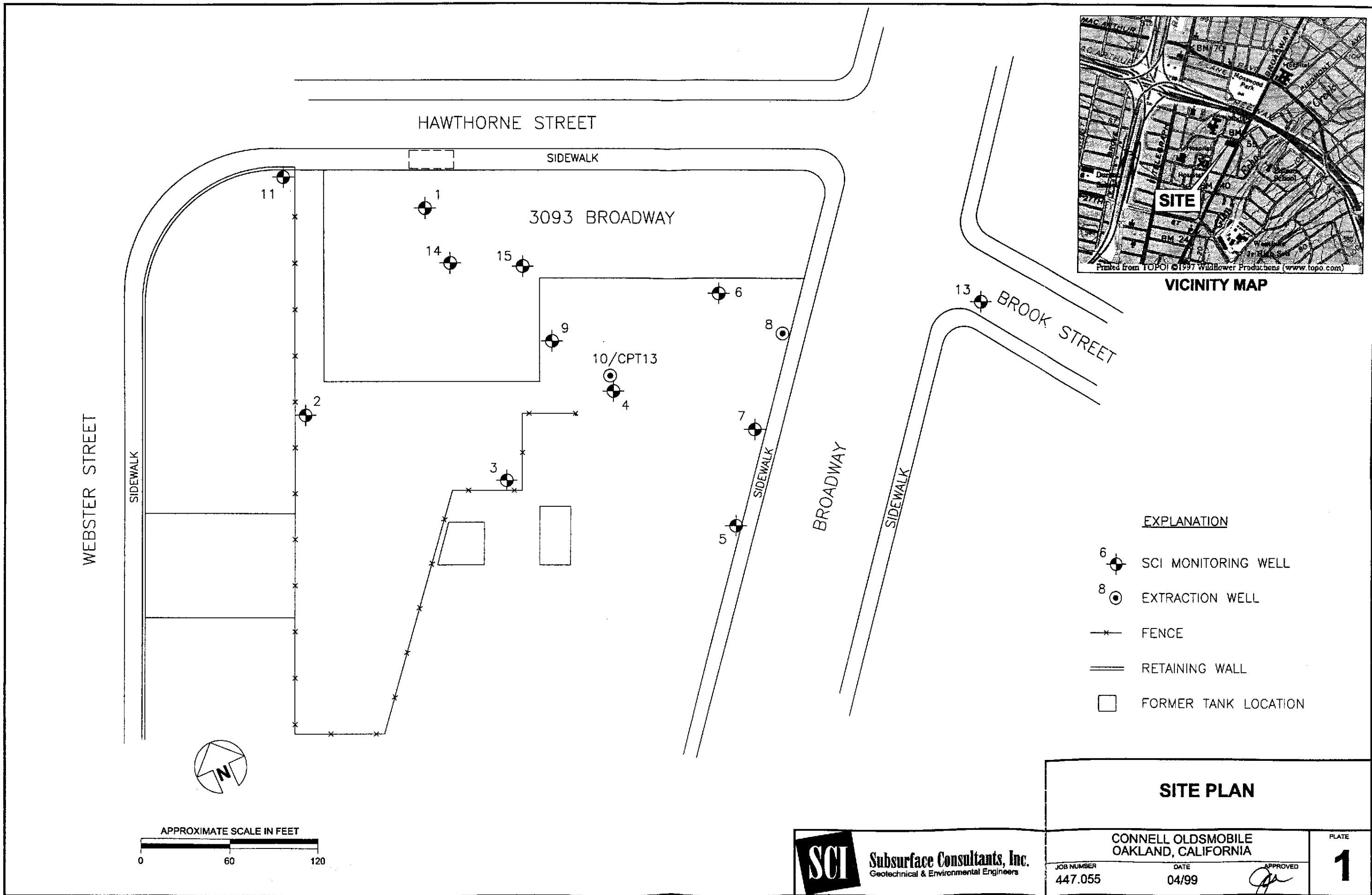
Chain-of-Custody Documents

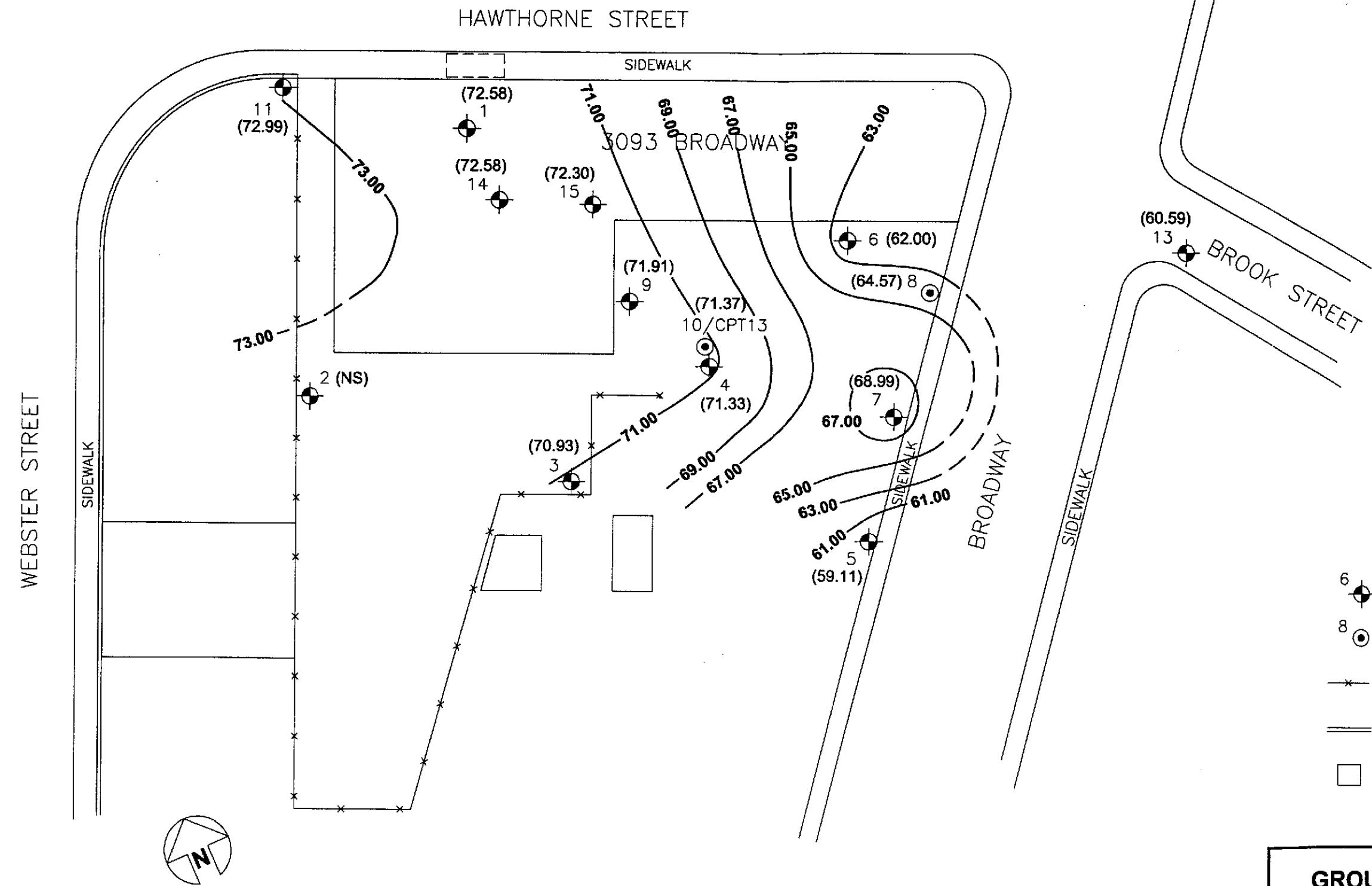


cc: Ms. Susan Hugo
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Oakland, California 94612





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Geotechnical & Environmental Engineers

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SITEPLAN.DWG

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-1 | 94.48 | 10/3/90 | 26.40 | 68.08 | NM | -- |
| | | 3/5/91 | 27.46 | 67.02 | NM | -- |
| | | 3/18/91 | 26.88 | 67.60 | NM | -- |
| | | 4/12/91 | 25.49 | 68.99 | NM | -- |
| | | 12/23/91 | 26.86 | 67.62 | 1.15 | 68.77 |
| | | 12/26/91 | 26.08 | 68.40 | 0.22 | 68.63 |
| | | 1/13/92 | 26.53 | 67.95 | 0.66 | 68.61 |
| | | 2/28/92 | 27.75 | 66.73 | 0.42 | 67.15 |
| | | 5/18/92 | 24.75 | 69.73 | NM | -- |
| | | 6/29/92 | 25.09 | 69.39 | 0.04 | 69.43 |
| | | 7/29/92 | 25.46 | 69.02 | 0.15 | 69.17 |
| | | 8/28/92 | 25.56 | 68.92 | 0.29 | 69.21 |
| | | 10/28/92 | 26.44 | 68.04 | 0.52 | 68.56 |
| | | 11/24/92 | 26.63 | 67.85 | NM | -- |
| | | 12/22/92 | 26.37 | 68.11 | NM | -- |
| | | 4/5/93 | 23.77 | 70.71 | 0 | -- |
| | | 7/20/93 | 24.51 | 69.97 | 0.6 | 70.57 |
| | | 11/9/93 | 26.06 | 68.42 | 1.17 | 69.59 |
| | | 8/30/95 | 21.73 | 72.75 | 0.23 | 72.98 |
| | | 9/15/95 | 21.88 | 72.61 | 0.15 | 72.75 |
| | | 10/2/95 | 22.42 | 72.06 | 0.42 | 72.48 |
| | | 11/3/95 | 23.10 | 72.74 | 0.76 | 73.50 |
| | | 11/30/95 | 23.38 | 72.54 | 0.7 | 73.24 |
| | | 1/3/96 | 23.30 | 72.62 | 0.78 | 73.40 |
| | | 2/2/96 | 22.96 | 72.28 | 0.84 | 73.12 |
| | | 3/1/96 | 21.69 | 72.79 | 0.14 | 72.65 |
| | | 4/4/96 | 21.11 | 73.67 | 0 | -- |
| | | 5/2/96 | 20.96 | 73.83 | 0 | -- |
| | | 6/5/96 | 20.98 | 73.81 | 0.04 | 73.85 |
| | | 7/9/96 | 21.64 | 72.84 | 0.2 | 73.04 |
| | | 8/8/96 | 22.43 | 72.05 | 0.33 | 72.38 |
| | | 9/10/96 | 23.25 | 71.23 | 0.6 | 71.83 |
| | | 10/1/96 | 23.58 | 70.90 | 0.6 | 71.50 |
| | | 11/4/96 | 24.29 | 70.19 | 0.78 | 70.97 |
| | | 12/2/96 | 24.63 | 69.85 | 0.88 | 70.73 |
| | | 1/3/97 | 24.08 | 70.40 | 0.81 | 71.21 |
| | | 2/6/97 | 22.46 | 72.02 | 0.3 | 72.32 |
| | | 3/5/97 | 23.00 | 71.48 | 0 | -- |
| | | 4/1/97 | 22.29 | 72.19 | 0.2 | 72.39 |
| | | 5/8/97 | 22.79 | 71.69 | 0.33 | 72.02 |
| | | 6/6/97 | 24.33 | 70.15 | 1.69 | 71.84 |
| | | 7/8/97 | 24.00 | 70.48 | 0.96 | 71.44 |
| | | 8/7/97 | 24.58 | 69.90 | 1.29 | 71.19 |

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| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-1 (cont.) | 94.48 | 9/10/97 | 24.93 | 69.55 | 1.21 | 70.76 |
| | | 10/1/97 | 24.89 | 69.59 | 0.86 | 70.45 |
| | | 11/4/97 | 25.06 | 69.42 | 0.77 | 70.19 |
| | | 12/4/97 | 24.76 | 69.52 | 0.54 | 70.06 |
| | | 1/8/98 | 23.66 | 70.82 | 0 | -- |
| | | 2/5/98 | 22.64 | 71.84 | 0 | -- |
| | | 3/6/98 | 20.80 | 73.68 | 0 | -- |
| | | 4/2/98 | 20.31 | 74.17 | 0 | -- |
| | | 4/29/98 | 19.95 | 74.53 | 0 | -- |
| | | 6/3/98 | 20.41 | 74.07 | 0 | -- |
| | | 7/9/98 | 20.97 | 73.51 | 0.07 | 73.58 |
| | | 8/4/98 | 21.40 | 73.08 | trace | -- |
| | | 8/26/98 | 21.85 | 72.63 | 0.10 | 72.73 |
| | | 11/2/98 | 22.92 | 71.56 | 0.39 | 71.95 |
| | | 12/4/98 | 23.29 | 71.19 | 0.29 | 71.48 |
| | | 1/5/99 | 23.51 | 70.97 | 0.42 | 71.39 |
| | | 2/8/99 | 23.08 | 71.40 | 0.05 | 71.45 |
| | | 3/29/99 | 21.90 | 72.58 | 0.01 | 72.59 |
| | | 4/30/99 | 21.52 | 72.96 | 0 | -- |

TABLE 1
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3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-2 | 94.81 | 3/5/91 | 27.86 | 66.95 | 0 | -- |
| | | 3/18/91 | 27.46 | 67.35 | 0 | -- |
| | | 4/12/91 | 26.98 | 67.83 | 0 | -- |
| | | 5/18/92 | 26.50 | 68.31 | 0 | -- |
| | | 6/29/92 | 26.80 | 68.01 | 0 | -- |
| | | 7/29/92 | 27.08 | 67.73 | 0 | -- |
| | | 8/28/92 | 27.33 | 67.48 | 0 | -- |
| | | 10/28/92 | 27.65 | 67.16 | 0 | -- |
| | | 11/24/92 | 27.91 | 66.90 | 0 | -- |
| | | 12/22/92 | 27.74 | 67.07 | NM | -- |
| | | 4/5/93 | 25.95 | 68.86 | 0 | -- |
| | | 7/20/93 | 25.59 | 69.22 | 0 | -- |
| | | 11/9/93 | 26.72 | 68.09 | 0 | -- |
| | | 8/30/95 | 25.75 | 69.06 | 0 | -- |
| | | 10/2/95 | 25.10 | 69.71 | 0 | -- |
| | | 11/3/95 | 25.73 | 69.02 | 0 | -- |
| | | 11/30/95 | 25.34 | 69.41 | 0 | -- |
| | | 1/3/96 | 25.32 | 69.43 | 0 | -- |
| | | 2/2/96 | 25.10 | 69.65 | 0 | -- |
| | | 3/1/96 | 24.05 | 70.76 | 0 | -- |
| | | 4/4/96 | 23.41 | 71.49 | 0 | -- |
| | | 5/2/96 | 23.37 | 71.53 | 0 | -- |
| | | 6/5/96 | 23.75 | 71.11 | 0 | -- |
| | | 7/9/96 | 23.79 | 71.02 | 0 | -- |
| | | 8/8/96 | 24.27 | 70.54 | 0 | -- |
| | | 9/10/96 | 24.87 | 69.94 | 0 | -- |
| | | 10/1/96 | 25.12 | 69.69 | 0 | -- |
| | | 11/4/96 | 25.54 | 69.27 | 0 | -- |
| | | 12/2/96 | 25.74 | 69.07 | 0 | -- |
| | | 1/3/97 | 25.51 | 69.30 | 0 | -- |
| | | 2/6/97 | 24.68 | 70.13 | 0 | -- |
| | | 3/5/97 | 24.14 | 70.67 | 0 | -- |
| | | 4/1/97 | 24.18 | 70.63 | 0 | -- |
| | | 5/8/97 | 24.58 | 70.23 | 0 | -- |
| | | 6/6/97 | 25.20 | 69.61 | 0 | -- |
| | | 7/8/97 | 25.38 | 69.43 | 0 | -- |
| | | 8/7/97 | 25.52 | 69.29 | 0 | -- |
| | | 9/10/97 | 25.77 | 69.04 | 0 | -- |
| | | 10/1/97 | 26.01 | 68.80 | 0 | -- |
| | | 11/4/97 | 26.23 | 68.58 | 0 | -- |
| | | 12/4/97 | 26.31 | 68.50 | 0 | -- |
| | | 1/8/98 | 25.94 | 68.87 | 0 | -- |
| | | 2/5/98 | 25.10 | 69.71 | 0 | -- |

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3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-2 (cont.) | 94.81 | 3/6/98 | 22.23 | 72.58 | 0 | -- |
| | | 4/2/98 | 22.35 | 72.46 | 0 | -- |
| | | 4/29/98 | 22.18 | 72.63 | 0 | -- |
| | | 6/3/98 | 22.69 | 72.12 | 0 | -- |
| | | 7/9/98 | 22.98 | 71.83 | 0 | -- |
| | | 8/4/98 | 23.32 | 71.49 | 0 | -- |
| | | 8/26/98 | 23.72 | 71.09 | 0 | -- |
| | | 11/2/98 | 24.70 | 70.11 | 0 | -- |
| | | 12/4/98 | 24.94 | 69.87 | 0 | -- |
| | | 1/5/99 | | well not accessible | | |
| | | 2/8/99 | 25.00 | 69.81 | 0 | -- |
| | | 3/24/99 | | well not accessible | | |
| | | 4/30/99 | 23.08 | 71.73 | 0 | -- |

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3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-3 | 90.08 | 3/6/91 | 23.17 | 66.91 | NM | -- |
| | | 3/18/91 | 22.76 | 67.32 | NM | -- |
| | | 4/12/91 | 22.51 | 67.57 | NM | -- |
| | | 5/12/92 | 23.17 | 66.91 | NM | -- |
| | | 6/29/92 | 22.90 | 67.18 | NM | -- |
| | | 7/29/92 | 22.17 | 67.91 | NM | -- |
| | | 8/28/92 | 22.28 | 67.80 | NM | -- |
| | | 10/28/92 | 22.67 | 67.41 | 0 | -- |
| | | 11/24/92 | 23.01 | 67.07 | 0 | -- |
| | | 12/22/92 | 22.91 | 67.17 | NM | -- |
| | | 4/5/93 | 22.11 | 67.97 | 0 | -- |
| | | 7/20/93 | 23.93 | 66.15 | 0 | -- |
| | | 11/9/93 | 23.14 | 66.94 | 0 | -- |
| | | 8/29/95 | 20.61 | 69.47 | 0 | -- |
| | | 10/2/95 | 21.18 | 68.90 | 0 | -- |
| | | 11/3/95 | 20.74 | 69.60 | 0 | -- |
| | | 11/30/95 | 20.68 | 69.66 | 0 | -- |
| | | 1/3/96 | 20.58 | 69.76 | 0 | -- |
| | | 2/2/96 | 20.43 | 69.91 | 0 | -- |
| | | 3/1/96 | 20.24 | 69.84 | 0 | -- |
| | | 4/4/96 | 18.50 | 71.58 | 0 | -- |
| | | 5/2/96 | 18.43 | 71.65 | 0 | -- |
| | | 6/5/96 | 18.51 | 71.57 | 0 | -- |
| | | 7/9/96 | 18.97 | 71.11 | 0 | -- |
| | | 8/8/96 | 19.51 | 70.57 | 0 | -- |
| | | 9/10/96 | 19.86 | 70.22 | 0 | -- |
| | | 10/1/96 | 20.04 | 70.04 | 0 | -- |
| | | 11/4/96 | 20.25 | 69.83 | 0 | -- |
| | | 12/2/96 | 20.40 | 69.68 | 0 | -- |
| | | 1/3/97 | 20.33 | 69.75 | 0 | -- |
| | | 2/6/97 | 19.98 | 70.10 | 0 | -- |
| | | 3/5/97 | 19.80 | 70.28 | 0 | -- |
| | | 4/1/97 | 19.76 | 70.32 | 0 | -- |
| | | 5/8/97 | 19.77 | 70.31 | 0 | -- |
| | | 6/6/97 | 20.18 | 69.90 | 0 | -- |
| | | 7/8/97 | 20.24 | 69.84 | 0 | -- |
| | | 8/7/97 | 20.38 | 69.70 | 0 | -- |
| | | 9/10/97 | 20.55 | 69.53 | 0 | -- |
| | | 10/1/97 | 20.73 | 69.35 | 0 | -- |
| | | 11/4/97 | 20.87 | 69.21 | 0 | -- |
| | | 12/4/97 | 20.89 | 69.19 | 0 | -- |
| | | 1/8/98 | 20.70 | 69.38 | 0 | -- |
| | | 2/5/98 | 20.37 | 69.71 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-3 (cont.) | 90.08 | 3/6/98 | 19.68 | 70.40 | 0 | -- |
| | | 4/2/98 | 18.76 | 71.32 | 0 | -- |
| | | 4/29/98 | 17.92 | 72.16 | 0 | -- |
| | | 6/3/98 | 17.78 | 72.30 | 0 | -- |
| | | 7/9/98 | 18.31 | 71.77 | 0 | -- |
| | | 8/4/98 | 18.67 | 71.41 | 0 | -- |
| | | 8/26/98 | 18.91 | 71.17 | 0 | -- |
| | | 11/2/98 | 19.60 | 70.48 | 0 | -- |
| | | 12/4/98 | 19.91 | 70.17 | 0 | -- |
| | | 1/5/99 | 20.01 | 70.07 | 0 | -- |
| | | 2/8/99 | 20.05 | 70.03 | 0 | -- |
| | | 3/29/99 | 19.15 | 70.93 | 0 | -- |
| | | 4/30/99 | 18.12 | 71.96 | 0 | -- |

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3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-4 | 88.84 | 3/5/91 | 23.79 | 65.05 | NM | -- |
| | | 3/18/91 | 22.30 | 66.54 | NM | -- |
| | | 4/12/91 | 21.85 | 66.99 | NM | -- |
| | | 12/23/91 | 22.63 | 66.22 | 0.98 | 67.19 |
| | | 12/26/91 | 22.52 | 66.32 | 0.96 | 67.28 |
| | | 1/10/92 | 22.74 | 66.10 | 0.99 | 67.09 |
| | | 2/28/92 | 22.00 | 66.84 | 0.67 | 67.51 |
| | | 3/11/92 | 21.71 | 67.13 | 0.55 | 67.68 |
| | | 3/13/92 | 21.56 | 67.28 | 0.49 | 67.77 |
| | | 3/17/92 | 25.46 | 63.38 | 0.44 | 63.82 |
| | | 3/18/92 | 21.38 | 67.47 | 0.44 | 67.90 |
| | | 3/19/92 | 21.33 | 67.51 | 0.48 | 67.99 |
| | | 3/23/92 | 21.29 | 67.55 | 0.42 | 67.97 |
| | | 3/24/92 | 21.31 | 67.53 | 0.38 | 67.90 |
| | | 3/25/92 | 21.17 | 67.67 | 0.36 | 68.04 |
| | | 3/26/92 | 21.08 | 67.76 | 0.35 | 68.11 |
| | | 3/27/92 | 20.92 | 67.92 | 0.26 | 68.18 |
| | | 3/31/92 | 21.15 | 67.69 | 0.44 | 68.13 |
| | | 4/1/92 | 20.90 | 67.94 | 0.24 | 68.18 |
| | | 4/2/92 | 20.90 | 67.94 | 0.17 | 68.11 |
| | | 4/10/92 | 20.91 | 67.93 | 0.33 | 68.26 |
| | | 4/13/92 | 21.04 | 67.80 | 0.42 | 68.22 |
| | | 4/20/92 | 20.74 | 68.10 | 0.19 | 68.29 |
| | | 5/4/92 | 20.83 | 68.01 | 0.33 | 68.34 |
| | | 5/18/92 | 21.33 | 67.51 | 0.23 | 67.74 |
| | | 5/26/92 | 20.83 | 68.01 | 0.17 | 68.18 |
| | | 6/1/92 | 20.85 | 67.99 | 0.19 | 68.17 |
| | | 6/29/92 | 21.38 | 67.46 | 0.53 | 67.99 |
| | | 7/29/92 | 21.69 | 67.15 | 0.56 | 67.71 |
| | | 8/28/92 | 21.35 | 67.49 | 0.63 | 68.12 |
| | | 10/28/92 | 22.48 | 66.36 | 0.84 | 67.20 |
| | | 11/24/92 | 22.60 | 66.24 | NM | -- |
| | | 12/22/92 | 22.47 | 66.37 | NM | -- |
| | | 4/3/93 | 20.11 | 68.73 | 0.51 | 69.24 |
| | | 7/20/93 | 20.48 | 68.36 | 0.52 | 68.88 |
| | | 11/9/93 | 21.71 | 67.13 | 0.63 | 67.76 |
| | | 8/30/95 | 19.90 | 68.94 | 2.2 | 71.14 |
| | | 9/15/95 | 18.76 | 70.08 | 0.57 | 70.65 |
| | | 10/2/95 | 19.17 | 69.67 | 0.65 | 70.32 |
| | | 11/3/95 | 19.45 | 69.39 | 0.44 | 69.83 |
| | | 11/30/95 | 19.50 | 69.44 | 0.32 | 69.76 |
| | | 1/3/96 | 19.31 | 69.53 | 0.2 | 69.73 |
| | | 2/2/96 | 18.91 | 69.93 | 0.2 | 70.13 |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-4 (cont.) | 88.84 | 3/1/96 | 18.25 | 70.59 | 0.19 | 70.78 |
| | | 4/4/96 | 17.53 | 71.31 | 0.18 | 71.49 |
| | | 5/2/96 | 17.50 | 71.34 | 0.25 | 71.59 |
| | | 6/5/96 | 17.67 | 71.17 | 0.39 | 71.56 |
| | | 7/9/96 | 18.29 | 70.55 | 0.5 | 71.05 |
| | | 8/8/96 | 18.84 | 70.00 | 0 | -- |
| | | 9/10/96 | 19.31 | 69.53 | 0.34 | 69.87 |
| | | 10/1/96 | 19.51 | 69.33 | 0.29 | 69.62 |
| | | 11/4/96 | 20.13 | 68.71 | 0.35 | 69.06 |
| | | 12/2/96 | 20.23 | 68.61 | 0.33 | 68.94 |
| | | 1/3/97 | 19.33 | 69.51 | 0.1 | 69.61 |
| | | 2/6/97 | 18.13 | 70.72 | 0.01 | 70.73 |
| | | 3/5/97 | 18.17 | 70.67 | 0.06 | 70.73 |
| | | 4/1/97 | 18.38 | 70.46 | 0.05 | 70.51 |
| | | 5/8/97 | 18.63 | 70.21 | 0.03 | 70.24 |
| | | 6/6/97 | 18.78 | 70.06 | 0.19 | 70.25 |
| | | 7/8/97 | 19.21 | 69.63 | 0.02 | 69.65 |
| | | 8/7/97 | 19.50 | 69.34 | 0.07 | 69.41 |
| | | 9/10/97 | 19.86 | 68.98 | 0.04 | 69.02 |
| | | 10/1/97 | 20.09 | 68.75 | 0.37 | 69.12 |
| | | 11/4/97 | 20.19 | 68.65 | 0.19 | 68.84 |
| | | 12/4/97 | 20.05 | 68.79 | 0 | -- |
| | | 1/8/98 | 19.53 | 69.31 | 0 | -- |
| | | 2/5/98 | 18.28 | 70.56 | 0 | -- |
| | | 3/6/98 | 16.42 | 72.42 | 0 | -- |
| | | 4/2/98 | 16.54 | 72.30 | 0 | -- |
| | | 4/29/98 | 16.11 | 72.73 | 0 | -- |
| | | 6/3/98 | 16.55 | 72.29 | 0 | -- |
| | | 7/9/98 | 17.13 | 71.71 | 0 | -- |
| | | 8/4/98 | 17.54 | 71.30 | 0 | -- |
| | | 8/26/98 | 18.02 | 70.82 | 0 | -- |
| | | 11/2/98 | 19.03 | 69.81 | 0 | -- |
| | | 12/4/98 | 19.21 | 69.63 | 0 | -- |
| | | 1/5/99 | 19.33 | 69.51 | 0 | -- |
| | | 2/8/99 | 18.88 | 69.96 | 0 | -- |
| | | 3/29/99 | 17.51 | 71.33 | 0 | -- |
| | | 4/30/99 | 17.28 | 71.56 | trace | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-5 | 84.84 | 3/18/91 | 26.31 | 58.53 | NM | -- |
| | | 3/12/91 | 26.41 | 58.43 | NM | -- |
| | | 5/18/92 | 26.75 | 58.09 | NM | -- |
| | | 6/29/92 | 26.73 | 58.11 | NM | -- |
| | | 7/29/92 | 26.66 | 58.18 | NM | -- |
| | | 8/28/92 | 26.90 | 57.94 | NM | -- |
| | | 10/28/92 | 26.39 | 58.45 | 0 | -- |
| | | 11/24/92 | 26.83 | 58.01 | 0 | -- |
| | | 12/22/92 | 27.33 | 57.51 | NM | -- |
| | | 4/3/93 | 26.62 | 58.22 | 0 | -- |
| | | 7/20/93 | 26.60 | 58.24 | 0 | -- |
| | | 11/9/93 | 27.24 | 57.60 | 0 | -- |
| | | 8/30/95 | 27.46 | 57.38 | 0 | -- |
| | | 10/2/95 | 26.85 | 57.99 | 0 | -- |
| | | 11/3/95 | 26.67 | 58.87 | 0 | -- |
| | | 11/30/95 | 27.05 | 58.49 | 0 | -- |
| | | 1/3/96 | 26.60 | 59.04 | 0 | -- |
| | | 2/2/96 | 26.70 | 59.14 | 0 | -- |
| | | 3/1/96 | 26.00 | 58.84 | 0 | -- |
| | | 4/4/96 | 26.20 | 58.64 | 0 | -- |
| | | 5/2/96 | 26.02 | 58.82 | 0 | -- |
| | | 6/5/96 | 25.91 | 58.93 | 0 | -- |
| | | 7/9/96 | 26.20 | 58.64 | 0 | -- |
| | | 8/8/96 | 26.38 | 58.46 | 0 | -- |
| | | 9/10/96 | 26.42 | 58.42 | 0 | -- |
| | | 10/1/96 | 26.52 | 58.32 | 0 | -- |
| | | 11/4/96 | 26.69 | 58.15 | 0 | -- |
| | | 12/2/96 | 26.70 | 58.14 | 0 | -- |
| | | 1/3/97 | 25.84 | 59.00 | 0 | -- |
| | | 2/6/97 | 26.26 | 58.58 | 0 | -- |
| | | 3/5/97 | 26.20 | 58.64 | 0 | -- |
| | | 4/1/97 | 26.98 | 57.86 | 0 | -- |
| | | 5/8/97 | 26.76 | 58.08 | 0 | -- |
| | | 6/6/97 | 26.33 | 58.51 | 0 | -- |
| | | 7/8/97 | 26.84 | 58.00 | 0 | -- |
| | | 8/7/97 | 26.89 | 57.95 | 0 | -- |
| | | 9/10/97 | 26.76 | 58.08 | 0 | -- |
| | | 10/1/97 | 26.97 | 57.87 | 0 | -- |
| | | 11/4/97 | 27.04 | 57.80 | 0 | -- |
| | | 12/4/97 | 26.34 | 58.50 | 0 | -- |
| | | 1/8/98 | 26.05 | 58.79 | 0 | -- |
| | | 2/5/98 | 25.31 | 59.53 | 0 | -- |
| | | 3/6/98 | 25.60 | 59.24 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-5 (cont.) | 84.84 | 4/2/98 | 25.80 | 59.04 | 0 | -- |
| | | 4/29/98 | 25.35 | 59.49 | 0 | -- |
| | | 6/3/98 | 25.28 | 59.56 | 0 | -- |
| | | 7/9/98 | 25.49 | 59.35 | 0 | -- |
| | | 8/4/98 | 25.77 | 59.07 | 0 | -- |
| | | 8/26/98 | 25.63 | 59.21 | 0 | -- |
| | | 11/2/98 | 26.29 | 58.55 | 0 | -- |
| | | 12/4/98 | 26.05 | 58.79 | 0 | -- |
| | | 1/5/99 | 25.69 | 59.15 | 0 | -- |
| | | 2/8/99 | 26.00 | 58.84 | 0 | -- |
| | | 3/29/99 | 25.73 | 59.11 | 0 | -- |
| | | 4/30/99 | 25.80 | 59.04 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-6 | 85.62 | 3/18/91 | 25.82 | 59.80 | NM | -- |
| | | 4/12/91 | 27.23 | 58.39 | NM | -- |
| | | 12/23/91 | 28.40 | 57.22 | 3.21 | 60.43 |
| | | 12/26/91 | 27.25 | 58.37 | 1.67 | 60.04 |
| | | 1/10/92 | 27.23 | 58.39 | 0.9 | 59.29 |
| | | 2/4/92 | 27.71 | 57.91 | 2.04 | 59.95 |
| | | 2/28/92 | 27.92 | 57.70 | 3 | 60.70 |
| | | 3/10/92 | 27.16 | 58.46 | 2.06 | 60.52 |
| | | 3/12/92 | 25.96 | 59.66 | 0.52 | 60.18 |
| | | 3/13/92 | 25.70 | 59.92 | 0.21 | 60.13 |
| | | 3/23/92 | 26.34 | 59.28 | 1.09 | 60.37 |
| | | 3/30/92 | 25.73 | 59.89 | 0.35 | 60.25 |
| | | 4/10/92 | 25.29 | 60.33 | 0.05 | 60.38 |
| | | 4/13/92 | 25.52 | 60.10 | 0.21 | 60.31 |
| | | 4/20/92 | 25.38 | 60.25 | 0.1 | 60.35 |
| | | 5/4/92 | 25.40 | 60.22 | NM | -- |
| | | 5/18/92 | 25.50 | 60.12 | 0.17 | 60.29 |
| | | 5/26/92 | 25.46 | 60.16 | 0.13 | 60.29 |
| | | 6/1/92 | 25.46 | 60.16 | 0.09 | 60.26 |
| | | 6/29/92 | 25.59 | 60.03 | 0.14 | 60.17 |
| | | 7/29/92 | 26.90 | 58.72 | 1.71 | 60.43 |
| | | 8/28/92 | 25.09 | 60.53 | 2.62 | 63.15 |
| | | 10/28/92 | 25.02 | 60.60 | 3.94 | 64.54 |
| | | 11/24/92 | 28.87 | 56.75 | NM | -- |
| | | 4/3/93 | 26.96 | 58.66 | 2.86 | 61.52 |
| | | 7/20/93 | 26.17 | 59.45 | 2.6 | 62.05 |
| | | 11/9/93 | 27.51 | 58.11 | 3.06 | 61.17 |
| | | 8/30/95 | 28.00 | 57.62 | 7.96 | 65.58 |
| | | 9/15/95 | 28.24 | 57.38 | 6.14 | 63.52 |
| | | 10/2/95 | 28.39 | 57.23 | 6.13 | 63.36 |
| | | 11/3/95 | 26.91 | 58.71 | 3.44 | 62.15 |
| | | 11/30/95 | 27.58 | 58.04 | 4.41 | 62.45 |
| | | 1/3/96 | 27.58 | 58.04 | 4.37 | 62.41 |
| | | 2/2/96 | 27.96 | 57.68 | 5.15 | 62.83 |
| | | 3/1/96 | 27.96 | 57.68 | 5.41 | 63.09 |
| | | 4/4/96 | 27.69 | 57.93 | 5.69 | 63.62 |
| | | 5/2/96 | 26.83 | 58.79 | 4.66 | 63.45 |
| | | 6/5/96 | 27.15 | 58.47 | 5.17 | 63.64 |
| | | 7/9/96 | 27.08 | 58.54 | 4.86 | 63.40 |
| | | 8/8/96 | 26.71 | 58.91 | 4.05 | 62.96 |
| | | 9/10/96 | 26.83 | 58.79 | 3.82 | 62.61 |
| | | 10/1/96 | 26.96 | 58.66 | 3.77 | 62.43 |
| | | 11/4/96 | NM | NM | NM | NM |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-6* | 86.94 (cont.) | 12/2/96 | NM | NM | NM | NM |
| | | 1/3/97 | NM | NM | NM | NM |
| | | 2/6/97 | 25.08 | 61.86 | 0.2 | 62.06 |
| | | 3/5/97 | 24.20 | 62.74 | 0 | -- |
| | | 4/1/97 | 24.04 | 62.90 | 0 | -- |
| | | 5/8/97 | 26.54 | 60.40 | 1.88 | 62.28 |
| | | 6/6/97 | 25.33 | 61.61 | 0.21 | 61.82 |
| | | 7/8/97 | 25.30 | 61.64 | 0.07 | 61.71 |
| | | 8/7/97 | 25.52 | 61.42 | 0 | -- |
| | | 9/10/97 | 25.76 | 61.18 | 0 | -- |
| | | 10/1/97 | 25.12 | 61.82 | 0 | -- |
| | | 11/4/97 | 26.16 | 60.78 | 0.18 | 60.96 |
| | | 12/4/97 | 26.08 | 60.86 | 0.16 | 61.02 |
| | | 1/8/98 | 25.79 | 61.15 | 0.1 | 61.25 |
| MW-6† | 85.82 | 2/5/98 | 25.31 | 61.63 | 0.89 | 62.52 |
| | | 3/6/98 | 24.63 | 62.31 | 0.46 | 62.77 |
| | | 4/2/98 | 24.45 | 62.49 | 0.59 | 63.08 |
| | | 4/29/98 | 22.96 | 62.86 | 0.55 | 63.41 |
| | | 6/3/98 | 22.81 | 63.01 | 0.41 | 63.42 |
| | | 7/9/98 | 23.04 | 62.78 | 0.35 | 63.13 |
| | | 8/4/98 | 23.29 | 62.53 | 0.35 | 62.88 |
| | | 8/26/98 | 23.50 | 62.32 | 0.31 | 62.63 |
| | | 11/2/98 | 24.24 | 61.58 | 0.43 | 62.01 |
| | | 12/4/98 | 24.35 | 61.47 | 0.32 | 61.79 |
| | | 1/5/99 | 24.51 | 61.31 | 0.4 | 61.71 |
| | | 2/8/99 | 24.00 | 61.82 | 0.03 | 61.85 |
| | | 3/29/99 | 23.82 | 62.00 | 0.19 | 62.19 |
| | | 4/30/99 | 23.60 | 62.22 | 1.13 | 63.35 |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-7 | 85.41 | 3/18/91 | 21.63 | 63.78 | NM | -- |
| | | 4/12/91 | 22.13 | 63.28 | NM | -- |
| | | 5/18/92 | 21.67 | 63.74 | NM | -- |
| | | 6/29/92 | 20.75 | 64.66 | NM | -- |
| | | 7/29/92 | 21.07 | 64.34 | NM | -- |
| | | 8/28/92 | 21.35 | 64.06 | NM | -- |
| | | 10/28/92 | 21.81 | 63.60 | 0 | -- |
| | | 11/24/92 | 21.52 | 63.89 | 0 | -- |
| | | 12/22/92 | obstructed | -- | NM | -- |
| | | 4/3/93 | 20.08 | 65.33 | 0 | -- |
| | | 7/20/93 | 19.59 | 65.82 | 0 | -- |
| | | 11/9/93 | 20.65 | 64.76 | 0 | -- |
| | | 8/30/95 | 18.78 | 66.63 | 0 | -- |
| | | 10/2/95 | 18.73 | 66.68 | 0 | -- |
| | | 11/3/95 | 19.23 | 66.18 | 0 | -- |
| | | 11/30/95 | 19.47 | 65.94 | 0 | -- |
| | | 1/3/96 | 18.52 | 66.89 | 0 | -- |
| | | 2/2/96 | 17.83 | 67.58 | 0 | -- |
| | | 3/1/96 | 17.61 | 67.80 | 0 | -- |
| | | 4/4/96 | 17.28 | 68.13 | 0 | -- |
| | | 5/2/96 | 17.15 | 68.26 | 0 | -- |
| | | 6/5/96 | 17.47 | 67.94 | 0 | -- |
| | | 7/9/96 | 18.06 | 67.35 | 0 | -- |
| | | 8/8/96 | 18.48 | 66.93 | 0 | -- |
| | | 9/10/96 | 18.79 | 66.62 | 0 | -- |
| | | 10/1/96 | 18.90 | 66.51 | 0 | -- |
| | | 11/4/96 | 18.69 | 66.72 | 0 | -- |
| | | 12/2/96 | 18.47 | 66.94 | 0 | -- |
| | | 1/3/97 | 17.98 | 67.43 | 0 | -- |
| | | 2/6/97 | 17.44 | 67.97 | 0 | -- |
| | | 3/5/97 | 16.73 | 68.68 | 0 | -- |
| | | 4/1/97 | 17.32 | 68.09 | 0 | -- |
| | | 5/8/97 | 17.72 | 67.69 | 0 | -- |
| | | 6/6/97 | 17.75 | 67.66 | 0 | -- |
| | | 7/8/97 | 17.94 | 67.47 | 0 | -- |
| | | 8/7/97 | 18.49 | 66.92 | 0 | -- |
| | | 9/10/97 | 18.48 | 66.93 | 0 | -- |
| | | 10/1/97 | 18.42 | 66.99 | 0 | -- |
| | | 11/4/97 | 18.86 | 66.55 | 0 | -- |
| | | 12/4/97 | 18.16 | 67.25 | 0 | -- |
| | | 1/8/98 | 17.87 | 67.54 | 0 | -- |
| | | 2/5/98 | 17.56 | 67.85 | 0 | -- |
| | | 3/6/98 | 16.84 | 68.57 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-7 (cont.) | 85.41 | 4/2/98 | 16.51 | 68.90 | 0 | -- |
| | | 4/29/98 | 16.23 | 69.18 | 0 | -- |
| | | 6/3/98 | 16.48 | 68.93 | 0 | -- |
| | | 7/9/98 | 16.90 | 68.51 | 0 | -- |
| | | 8/4/98 | 17.24 | 68.17 | 0 | -- |
| | | 8/26/98 | 17.59 | 67.82 | 0 | -- |
| | | 11/2/98 | 18.37 | 67.04 | 0 | -- |
| | | 12/4/98 | 17.91 | 67.50 | 0 | -- |
| | | 1/5/99 | 18.35 | 67.06 | NM | -- |
| | | 2/8/99 | 16.82 | 68.59 | 0 | -- |
| | | 3/29/99 | 16.42 | 68.99 | 0 | -- |
| | | 4/30/99 | 16.30 | 69.11 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-8 | 85.50 | 10/28/92 | 27.70 | 57.80 | 0 | -- |
| | | 11/24/92 | 27.62 | 57.88 | 0 | -- |
| | | 12/22/92 | 27.40 | 58.10 | NM | -- |
| | | 4/3/93 | 26.64 | 58.86 | 0 | -- |
| | | 7/20/93 | 26.60 | 58.90 | 0 | -- |
| | | 11/9/93 | 27.18 | 58.32 | 0 | -- |
| | | 8/30/95 | 26.35 | 59.15 | 0 | -- |
| | | 10/2/95 | 26.60 | 58.90 | 0 | -- |
| | | 11/3/95 | 26.62 | 58.88 | 0 | -- |
| | | 11/30/95 | 26.72 | 58.78 | 0 | -- |
| | | 1/3/96 | 26.64 | 58.86 | 0 | -- |
| | | 2/2/96 | 26.28 | 59.22 | 0 | -- |
| | | 3/1/96 | 25.81 | 59.69 | 0 | -- |
| | | 4/4/96 | 25.81 | 59.69 | 0 | -- |
| | | 5/2/96 | 26.15 | 60.03 | 0 | -- |
| | | 6/5/96 | 26.17 | 60.01 | 0 | -- |
| | | 7/9/96 | 26.32 | 59.18 | 0 | -- |
| | | 8/8/96 | 26.41 | 59.09 | 0 | -- |
| | | 9/10/96 | 26.66 | 58.84 | 0 | -- |
| | | 10/1/96 | 26.65 | 58.85 | 0 | -- |
| | | 11/4/96 | 26.77 | 58.73 | 0 | -- |
| | | 12/2/96 | 26.59 | 58.91 | 0 | -- |
| | | 1/3/97 | 25.98 | 59.52 | 0 | -- |
| | | 2/6/97 | 25.84 | 59.66 | 0 | -- |
| | | 3/5/97 | 25.94 | 59.56 | 0 | -- |
| | | 4/1/97 | 26.34 | 59.16 | 0 | -- |
| | | 5/8/97 | 26.39 | 59.11 | 0 | -- |
| | | 6/6/97 | 26.45 | 59.05 | 0 | -- |
| | | 7/8/97 | 26.65 | 58.85 | 0 | -- |
| | | 8/7/97 | 26.72 | 58.78 | 0 | -- |
| | | 9/10/97 | 26.89 | 58.61 | 0 | -- |
| | | 10/1/97 | 26.91 | 58.59 | 0 | -- |
| | | 11/4/97 | 26.82 | 58.68 | 0 | -- |
| | | 12/4/97 | 26.69 | 58.81 | 0 | -- |
| | | 1/8/98 | 26.39 | 59.11 | 0 | -- |
| | | 2/5/98 | 25.57 | 59.93 | 0 | -- |
| | | 3/6/98 | 25.29 | 60.21 | 0 | -- |
| | | 4/2/98 | 25.38 | 60.12 | 0 | -- |
| | | 4/29/98 | 25.64 | 59.86 | 0 | -- |
| | | 6/3/98 | 25.38 | 60.12 | 0 | -- |
| | | 7/9/98 | 25.82 | 59.68 | 0 | -- |
| | | 8/4/98 | 25.96 | 59.54 | 0 | -- |
| | | 8/26/98 | 26.16 | 59.34 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-8 (cont.) | 85.50 | 11/2/98 | 26.23 | 59.27 | 0 | -- |
| | | 12/4/98 | 26.27 | 59.23 | 0 | -- |
| | | 1/5/99 | 26.31 | 59.19 | 0 | -- |
| | | 2/8/99 | 26.10 | 59.40 | 0 | -- |
| | | 3/29/99 | 20.93 | 64.57 | 0 | -- |
| | | 4/30/99 | 25.92 | 59.58 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-9 | 90.37 | 10/28/92 | 23.37 | 67.00 | 0 | -- |
| | | 11/24/92 | 23.51 | 66.86 | 0 | -- |
| | | 12/22/92 | 23.31 | 67.06 | NM | -- |
| | | 4/3/93 | 21.14 | 69.23 | 0 | -- |
| | | 7/20/93 | 21.54 | 68.83 | 0 | -- |
| | | 11/9/93 | 27.53 | 62.84 | 0 | -- |
| | | 8/30/95 | 19.59 | 70.78 | 0 | -- |
| | | 10/2/95 | 20.05 | 70.32 | 0 | -- |
| | | 11/3/95 | 20.40 | 69.97 | 0 | -- |
| | | 11/30/95 | 20.65 | 69.72 | 0 | -- |
| | | 1/3/96 | 20.73 | 69.64 | 0 | -- |
| | | 2/2/96 | 20.19 | 70.18 | 0 | -- |
| | | 3/1/96 | 19.53 | 70.84 | 0 | -- |
| | | 4/4/96 | 18.74 | 71.63 | 0 | -- |
| | | 5/2/96 | 18.63 | 71.74 | 0 | -- |
| | | 7/9/96 | 19.15 | 71.22 | 0 | -- |
| | | 8/8/96 | 19.89 | 70.48 | 0.35 | 70.83 |
| | | 9/10/96 | 20.11 | 70.26 | 0 | -- |
| | | 10/1/96 | 20.37 | 70.00 | 0 | -- |
| | | 11/4/96 | 20.69 | 69.68 | 0 | -- |
| | | 12/2/96 | 21.43 | 68.94 | 0 | -- |
| | | 1/3/97 | 20.72 | 69.65 | 0 | -- |
| | | 2/6/97 | 19.72 | 70.65 | 0 | -- |
| | | 3/5/97 | 19.59 | 70.78 | 0 | -- |
| | | 4/1/97 | 19.73 | 70.64 | 0 | -- |
| | | 5/8/97 | 19.96 | 70.41 | 0 | -- |
| | | 6/6/97 | 20.13 | 70.24 | 0 | -- |
| | | 7/8/97 | 20.53 | 69.84 | 0 | -- |
| | | 8/7/97 | 20.84 | 69.53 | 0 | -- |
| | | 9/10/97 | 21.15 | 69.22 | 0 | -- |
| | | 10/1/97 | 21.42 | 68.95 | 0 | -- |
| | | 11/4/97 | 21.55 | 68.82 | 0 | -- |
| | | 12/4/97 | 21.62 | 68.75 | 0 | -- |
| | | 1/8/98 | 21.31 | 69.06 | 0 | -- |
| | | 2/5/98 | 20.21 | 70.16 | 0 | -- |
| | | 3/6/98 | 20.99 | 69.38 | 0 | -- |
| | | 4/2/98 | 20.19 | 70.18 | 0 | -- |
| | | 4/29/98 | 19.27 | 71.10 | 0 | -- |
| | | 6/3/98 | 19.86 | 70.51 | 0 | -- |
| | | 7/9/98 | 19.61 | 70.76 | 0 | -- |
| | | 8/4/98 | 19.35 | 71.02 | 0 | -- |
| | | 8/26/98 | 19.18 | 71.19 | 0 | -- |
| | | 11/2/98 | 20.09 | 70.28 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-9 | 90.37 | 10/28/92 | 23.37 | 67.00 | 0 | -- |
| | | 11/24/92 | 23.51 | 66.86 | 0 | -- |
| | | 12/22/92 | 23.31 | 67.06 | NM | -- |
| | | 4/3/93 | 21.14 | 69.23 | 0 | -- |
| | | 7/20/93 | 21.54 | 68.83 | 0 | -- |
| | | 11/9/93 | 27.53 | 62.84 | 0 | -- |
| | | 8/30/95 | 19.59 | 70.78 | 0 | -- |
| | | 10/2/95 | 20.05 | 70.32 | 0 | -- |
| | | 11/3/95 | 20.40 | 69.97 | 0 | -- |
| | | 11/30/95 | 20.65 | 69.72 | 0 | -- |
| | | 1/3/96 | 20.73 | 69.64 | 0 | -- |
| | | 2/2/96 | 20.19 | 70.18 | 0 | -- |
| | | 3/1/96 | 19.53 | 70.84 | 0 | -- |
| | | 4/4/96 | 18.74 | 71.63 | 0 | -- |
| | | 5/2/96 | 18.63 | 71.74 | 0 | -- |
| | | 7/9/96 | 19.15 | 71.22 | 0 | -- |
| | | 8/8/96 | 19.89 | 70.48 | 0.35 | 70.83 |
| | | 9/10/96 | 20.11 | 70.26 | 0 | -- |
| | | 10/1/96 | 20.37 | 70.00 | 0 | -- |
| | | 11/4/96 | 20.69 | 69.68 | 0 | -- |
| | | 12/2/96 | 21.43 | 68.94 | 0 | -- |
| | | 1/3/97 | 20.72 | 69.65 | 0 | -- |
| | | 2/6/97 | 19.72 | 70.65 | 0 | -- |
| | | 3/5/97 | 19.59 | 70.78 | 0 | -- |
| | | 4/1/97 | 19.73 | 70.64 | 0 | -- |
| | | 5/8/97 | 19.96 | 70.41 | 0 | -- |
| | | 6/6/97 | 20.13 | 70.24 | 0 | -- |
| | | 7/8/97 | 20.53 | 69.84 | 0 | -- |
| | | 8/7/97 | 20.84 | 69.53 | 0 | -- |
| | | 9/10/97 | 21.15 | 69.22 | 0 | -- |
| | | 10/1/97 | 21.42 | 68.95 | 0 | -- |
| | | 11/4/97 | 21.55 | 68.82 | 0 | -- |
| | | 12/4/97 | 21.62 | 68.75 | 0 | -- |
| | | 1/8/98 | 21.31 | 69.06 | 0 | -- |
| | | 2/5/98 | 20.21 | 70.16 | 0 | -- |
| | | 3/6/98 | 20.99 | 69.38 | 0 | -- |
| | | 4/2/98 | 20.19 | 70.18 | 0 | -- |
| | | 4/29/98 | 19.27 | 71.10 | 0 | -- |
| | | 6/3/98 | 19.86 | 70.51 | 0 | -- |
| | | 7/9/98 | 19.61 | 70.76 | 0 | -- |
| | | 8/4/98 | 19.35 | 71.02 | 0 | -- |
| | | 8/26/98 | 19.18 | 71.19 | 0 | -- |
| | | 11/2/98 | 20.09 | 70.28 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-----------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-9 (cont.) | 90.37 | 12/4/98 | 20.43 | 69.94 | 0 | -- |
| | | 1/5/99 | 20.41 | 69.96 | 0 | -- |
| | | 2/8/99 | 20.41 | 69.96 | 0 | -- |
| | | 3/29/99 | 18.46 | 71.91 | 0 | -- |
| | | 4/30/99 | 19.54 | 70.83 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-10 | 88.60 | 10/28/92 | 21.55 | 67.05 | 0 | -- |
| | | 11/24/92 | 21.86 | 66.74 | 0 | -- |
| | | 12/22/92 | 21.68 | 66.92 | NM | -- |
| | | 4/3/93 | 19.14 | 69.46 | 0 | -- |
| | | 7/20/93 | 19.79 | 68.81 | 0 | -- |
| | | 11/9/93 | 20.83 | 67.77 | 0 | -- |
| | | 8/30/95 | 17.99 | 70.61 | 0 | -- |
| | | 10/2/95 | 18.42 | 70.18 | 0 | -- |
| | | 11/3/95 | 18.82 | 69.78 | 0 | -- |
| | | 11/30/95 | 19.03 | 69.57 | 0 | -- |
| | | 1/3/96 | 18.96 | 69.64 | 0 | -- |
| | | 2/2/96 | 18.55 | 70.05 | 0 | -- |
| | | 3/1/96 | 17.81 | 70.79 | 0 | -- |
| | | 4/4/96 | 17.11 | 71.49 | 0 | -- |
| | | 5/2/96 | 17.04 | 71.56 | 0 | -- |
| | | 6/5/96 | 17.11 | 71.49 | 0 | -- |
| | | 7/9/96 | 17.64 | 70.96 | 0 | -- |
| | | 8/8/96 | 18.24 | 70.36 | 0 | -- |
| | | 9/10/96 | 18.82 | 69.78 | 0 | -- |
| | | 10/1/96 | 19.02 | 69.58 | 0 | -- |
| | | 11/4/96 | 19.59 | 69.01 | 0 | -- |
| | | 12/2/96 | 19.72 | 68.88 | 0 | -- |
| | | 1/3/97 | 18.86 | 69.74 | 0 | -- |
| | | 2/6/97 | 17.76 | 70.84 | 0 | -- |
| | | 3/5/97 | 17.84 | 70.76 | 0 | -- |
| | | 4/1/97 | 18.00 | 70.60 | 0 | -- |
| | | 5/8/97 | 18.36 | 70.24 | 0 | -- |
| | | 6/6/97 | 18.50 | 70.10 | 0 | -- |
| | | 7/8/97 | 18.98 | 69.62 | 0 | -- |
| | | 8/7/97 | 19.18 | 69.42 | 0 | -- |
| | | 9/10/97 | 19.58 | 69.02 | 0 | -- |
| | | 10/1/97 | 19.81 | 68.79 | 0 | -- |
| | | 11/4/97 | 19.95 | 68.65 | 0 | -- |
| | | 12/4/97 | 19.78 | 68.82 | 0 | -- |
| | | 1/8/98 | 19.26 | 69.34 | 0 | -- |
| | | 2/5/98 | 17.91 | 70.69 | 0 | -- |
| | | 3/6/98 | 16.07 | 72.53 | 0 | -- |
| | | 4/2/98 | 16.25 | 72.35 | 0 | -- |
| | | 4/29/98 | 15.84 | 72.76 | 0 | -- |
| | | 6/3/98 | 16.27 | 72.33 | 0 | -- |
| | | 7/9/98 | 16.79 | 71.81 | 0 | -- |
| | | 8/4/98 | 17.25 | 71.35 | 0 | -- |
| | | 8/26/98 | 17.74 | 70.86 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-10 (cont.) | 88.60 | 11/2/98 | 18.75 | 69.85 | 0 | -- |
| | | 12/4/98 | 18.89 | 69.71 | 0 | -- |
| | | 1/5/99 | 19.04 | 69.56 | 0 | -- |
| | | 2/8/99 | 18.57 | 70.03 | 0 | -- |
| | | 3/29/99 | 17.23 | 71.37 | 0 | -- |
| | | 4/30/99 | 16.99 | 71.61 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-11 | 102.06 | 11/24/92 | 33.65 | 68.41 | 0 | -- |
| | | 12/22/92 | 33.37 | 68.69 | NM | -- |
| | | 4/5/93 | 31.03 | 71.03 | 0 | -- |
| | | 7/20/93 | 31.90 | 70.16 | 0 | -- |
| | | 11/9/93 | 32.60 | 69.46 | 0 | -- |
| | | 8/29/95 | 28.92 | 73.14 | 0 | -- |
| | | 10/2/95 | 29.48 | 72.58 | 0 | -- |
| | | 11/3/95 | 29.73 | 72.33 | 0 | -- |
| | | 11/30/95 | 30.26 | 71.80 | 0 | -- |
| | | 1/3/96 | 30.06 | 72.00 | 0 | -- |
| | | 2/2/96 | 29.67 | 72.39 | 0 | -- |
| | | 3/1/96 | 28.74 | 73.32 | 0 | -- |
| | | 4/4/96 | 28.13 | 73.93 | 0 | -- |
| | | 5/2/96 | 28.26 | 74.06 | 0 | -- |
| | | 6/5/96 | 28.30 | 74.02 | 0 | -- |
| | | 7/9/96 | 28.92 | 73.14 | 0 | -- |
| | | 8/8/96 | 29.64 | 72.42 | 0 | -- |
| | | 9/10/96 | 30.66 | 71.40 | 0 | -- |
| | | 10/1/96 | 30.58 | 71.48 | 0 | -- |
| | | 11/4/96 | 31.14 | 70.92 | 0 | -- |
| | | 12/2/96 | 31.36 | 70.70 | 0 | -- |
| | | 1/3/97 | 30.73 | 71.33 | 0 | -- |
| | | 2/6/97 | 29.38 | 72.68 | 0 | -- |
| | | 3/5/97 | 29.22 | 72.84 | 0 | -- |
| | | 4/1/97 | 29.46 | 72.60 | 0 | -- |
| | | 5/8/97 | 29.93 | 72.13 | 0 | -- |
| | | 6/6/97 | 30.17 | 71.89 | 0 | -- |
| | | 7/8/97 | 30.62 | 71.44 | 0 | -- |
| | | 8/7/97 | 30.95 | 71.11 | 0 | -- |
| | | 9/10/97 | 31.38 | 70.68 | 0 | -- |
| | | 10/1/97 | 31.61 | 70.45 | 0 | -- |
| | | 11/4/97 | 31.88 | 70.18 | 0 | -- |
| | | 12/4/97 | 31.68 | 70.38 | 0 | -- |
| | | 1/8/98 | 31.05 | 71.01 | 0 | -- |
| | | 2/5/98 | 29.78 | 72.28 | 0 | -- |
| | | 3/6/98 | 27.75 | 74.31 | 0 | -- |
| | | 4/2/98 | 27.47 | 74.59 | 0 | -- |
| | | 4/29/98 | 27.22 | 74.84 | 0 | -- |
| | | 6/3/98 | 27.74 | 74.32 | 0 | -- |
| | | 7/9/98 | 28.30 | 73.76 | 0 | -- |
| | | 8/4/98 | 28.72 | 73.34 | 0 | -- |
| | | 8/26/98 | 29.19 | 72.87 | 0 | -- |
| | | 11/2/98 | 30.16 | 71.90 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-11 (cont.) | 102.06 | 12/4/98 | 30.43 | 71.63 | 0 | -- |
| | | 1/5/99 | 30.54 | 71.52 | 0 | -- |
| | | 2/8/99 | 32.34 | 69.72 | 0 | -- |
| | | 3/29/99 | 29.07 | 72.99 | 0 | -- |
| | | 4/30/99 | 28.82 | 73.24 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-------|----------------------------|----------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-13 | 84.06 | 11/24/92 | 26.05 | 58.01 | 0 | -- |
| | | 12/22/92 | 25.08 | 58.98 | NM | -- |
| | | 4/5/93 | 24.64 | 59.42 | 0 | -- |
| | | 7/20/93 | 24.29 | 59.77 | 0 | -- |
| | | 11/9/93 | 24.23 | 59.83 | 0 | -- |
| | | 8/29/95 | 23.30 | 60.76 | NM | -- |
| | | 10/2/95 | 23.78 | 60.28 | 0 | -- |
| | | 11/3/95 | 23.73 | 60.33 | 0 | -- |
| | | 11/30/95 | 23.80 | 60.26 | 0 | -- |
| | | 1/3/96 | 23.95 | 60.11 | 0 | -- |
| | | 2/2/96 | 23.70 | 60.36 | 0 | -- |
| | | 3/1/96 | 23.36 | 60.70 | 0 | -- |
| | | 4/4/96 | 23.27 | 60.79 | 0 | -- |
| | | 5/2/96 | 23.35 | 60.87 | 0 | -- |
| | | 6/5/96 | 23.07 | 60.99 | 0 | -- |
| | | 7/9/96 | 23.31 | 60.75 | 0 | -- |
| | | 8/8/96 | 23.44 | 60.62 | 0 | -- |
| | | 9/10/96 | 23.66 | 60.40 | 0 | -- |
| | | 10/1/96 | 23.80 | 60.26 | 0 | -- |
| | | 11/4/96 | 24.04 | 60.02 | 0 | -- |
| | | 12/2/96 | 24.00 | 60.06 | 0 | -- |
| | | 1/3/97 | 23.30 | 60.76 | 0 | -- |
| | | 2/6/97 | 23.24 | 60.82 | 0 | -- |
| | | 3/5/97 | 23.24 | 60.82 | 0 | -- |
| | | 4/1/97 | 23.37 | 60.69 | 0 | -- |
| | | 5/8/97 | 23.46 | 60.60 | 0 | -- |
| | | 6/6/97 | 23.57 | 60.49 | 0 | -- |
| | | 7/8/97 | 23.80 | 60.26 | 0 | -- |
| | | 8/7/97 | 23.92 | 60.14 | 0 | -- |
| | | 9/10/97 | 24.07 | 59.99 | 0 | -- |
| | | 10/1/97 | 24.18 | 59.88 | 0 | -- |
| | | 11/4/97 | 24.27 | 59.79 | 0 | -- |
| | | 12/4/97 | 24.05 | 60.01 | 0 | -- |
| | | 1/8/98 | 23.83 | 60.23 | 0 | -- |
| | | 2/5/98 | 22.89 | 61.17 | 0 | -- |
| | | 3/6/98 | 22.51 | 61.55 | 0 | -- |
| | | 4/2/98 | 22.54 | 61.52 | 0 | -- |
| | | 4/29/98 | 22.27 | 61.79 | 0 | -- |
| | | 6/3/98 | 22.34 | 61.72 | 0 | -- |
| | | 7/9/98 | 22.55 | 61.51 | 0 | -- |
| | | 8/4/98 | 22.75 | 61.31 | 0 | -- |
| | | 8/26/98 | 22.89 | 61.17 | 0 | -- |
| | | 11/2/98 | 23.20 | 60.86 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|------------------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-13 (cont.) | 84.06 | 12/4/98 | 23.90 | 60.16 | 0 | -- |
| | | 1/5/99 | 23.65 | 60.41 | NM | -- |
| | | 2/8/99 | 23.35 | 60.71 | 0 | -- |
| | | 3/29/99 | 23.11 | 60.95 | 0 | -- |
| | | 4/30/99 | 23.31 | 60.75 | 0 | -- |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-------|----------------------------|---------|--------------------------------|------------------------------------|--------------------------------|--------------------------------|
| MW-14 | 94.66 | 6/3/98 | 20.73 | 73.93 | 0 | -- |
| | | 7/9/98 | 21.23 | 73.43 | 0 | -- |
| | | 8/4/98 | 21.63 | 73.03 | 0 | -- |
| | | 8/26/98 | 22.06 | 72.60 | 0 | -- |
| | | 11/2/98 | 23.19 | 71.47 | 0 | -- |
| | | 12/4/98 | 23.42 | 71.24 | 0.23 | 71.47 |
| | | 1/5/99 | 23.36 | 71.30 | 0.12 | 71.42 |
| | | 2/8/99 | 23.17 | 71.49 | trace | -- |
| | | 3/29/99 | 22.08 | 72.58 | trace | -- |
| | | 4/30/99 | 21.17 | 73.49 | 0.01 | 73.50 |

TABLE 1
GROUNDWATER AND FREE PRODUCT ELEVATION DATA
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | TOC Elevation (feet) | Date | Groundwater Depth (feet) | Groundwater Elevation (feet) | Product Thickness (feet) | Product Elevation (feet) |
|-------------|-------------------------------------|-------------|---|---|---|---|
| MW-15 | 94.76 | 6/3/98 | 21.13 | 73.63 | 0 | -- |
| | | 7/9/98 | 21.64 | 73.12 | 0 | -- |
| | | 8/4/98 | 22.03 | 72.73 | 0 | -- |
| | | 8/26/98 | 22.45 | 72.31 | 0 | -- |
| | | 11/2/98 | 23.37 | 71.39 | 0 | -- |
| | | 12/4/98 | 23.67 | 71.09 | 0 | -- |
| | | 1/5/99 | 23.73 | 71.03 | 0 | -- |
| | | 2/8/99 | 23.53 | 71.23 | 0 | -- |
| | | 3/29/99 | 22.46 | 72.30 | 0 | -- |
| | | 4/30/99 | 22.16 | 72.60 | 0 | -- |

Reference datum: arbitrary benchmark established by Levine Fricke.

TOC = Top of casing

Groundwater depths are measured below TOC.

NM = Not measured

* New TOC elevation due to connection to remediation system.

† New TOC elevation following disconnection of piping associated with the remediation system.

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| Well | Date | Product Removed by Hand Bailing (gallons) | Cumulative Product Removed by Hand Bailing (gallons) |
|-------------|-------------|--|---|
| MW-1 | 12/23/91 | 2.00 | 2.00 |
| | 12/26/91 | 0.50 | 2.50 |
| | 1/13/92 | 1.00 | 3.50 |
| | 2/28/92 | 2.00 | 5.50 |
| | 11/9/93 | 0.50 | 6.00 |
| | 11/3/95 | 0.25 | 6.75 |
| | 11/30/95 | 0.25 | 7.00 |
| | 1/3/96 | 0.53 | 7.53 |
| | 2/2/96 | 0.75 | 8.28 |
| | 3/1/96 | 0.10 | 8.38 |
| | 4/4/96 | 0.00 | 8.38 |
| | 5/2/96 | 0.00 | 8.38 |
| | 6/5/96 | 0.10 | 8.48 |
| | 7/9/96 | 0.10 | 8.58 |
| | 8/8/96 | 0.05 | 8.63 |
| | 9/10/96 | 0.10 | 8.73 |
| | 10/1/96 | 0.25 | 8.98 |
| | 11/4/96 | 0.13 | 9.11 |
| | 12/2/96 | 0.26 | 9.37 |
| | 1/3/97 | 0.39 | 9.76 |
| | 2/6/97 | 0.01 | 9.77 |
| | 3/5/97 | 0.00 | 9.77 |
| | 4/1/97 | 0.01 | 9.78 |
| | 5/8/97 | 0.02 | 9.80 |
| | 6/6/97 | 0.26 | 10.06 |
| | 7/8/97 | 0.20 | 10.26 |
| | 8/7/97 | 1.00 | 11.26 |
| | 9/10/97 | 1.50 | 12.76 |
| | 10/1/97 | 0.26 | 13.02 |
| | 11/4/97 | 0.26 | 13.28 |
| | 12/4/97 | 0.19 | 13.47 |
| | 1/8/98 | 0.00 | 13.47 |
| | 2/5/98 | 0.00 | 13.47 |
| | 3/6/98 | 0.00 | 13.47 |
| | 4/2/98 | 0.00 | 13.47 |
| | 4/29/98 | 0.00 | 13.47 |
| | 6/3/98 | 0.00 | 13.47 |
| | 7/9/98 | 0.00 | 13.47 |
| | 8/4/98 | trace | 13.47 |
| | 8/26/98 | trace | 13.47 |

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Date</u> | Product Removed by Hand Bailing (gallons) | Cumulative Product Removed by Hand Bailing (gallons) |
|--------------------|--------------------|--|---|
| MW-1 | 11/2/98 | trace | 13.47 |
| (cont.) | 12/4/98 | 0.01 | 13.48 |
| | 1/5/99 | 0.03 | 13.51 |
| | 2/8/99 | 0.25 | 13.76 |
| | 3/24/99 | 0.01 | 13.77 |
| | 4/30/99 | 0.00 | 13.77 |

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Date</u> | Product Removed by Hand Bailing (gallons) | Cumulative Product Removed by Hand Bailing (gallons) |
|--------------------|--------------------|--|---|
| MW-4 | 12/23/91 | 2.50 | 2.50 |
| | 12/26/91 | 6.00 | 8.50 |
| | 1/10/92 | 5.00 | 13.50 |
| | 2/28/92 | 4.00 | 17.50 |
| | 3/11/92 | 3.50 | 21.00 |
| | 3/13/92 | 3.50 | 24.50 |
| | 3/17/92 | 2.25 | 26.75 |
| | 3/18/92 | 2.50 | 29.25 |
| | 3/19/92 | 1.50 | 30.75 |
| | 3/23/92 | 4.00 | 34.75 |
| | 3/24/92 | 1.50 | 36.25 |
| | 3/25/92 | 1.00 | 37.25 |
| | 3/26/92 | 1.00 | 38.25 |
| | 3/27/92 | 0.50 | 38.75 |
| | 3/31/92 | 0.50 | 39.25 |
| | 4/1/92 | 0.25 | 39.50 |
| | 4/2/92 | 0.13 | 39.63 |
| | 4/6/92 | 0.13 | 39.76 |
| | 4/10/92 | 0.25 | 40.01 |
| | 4/13/92 | 0.25 | 40.26 |
| | 4/20/92 | 0.13 | 40.39 |
| | 5/4/92 | 0.13 | 40.52 |
| | 5/18/92 | 0.13 | 40.65 |
| | 5/26/92 | 0.13 | 40.78 |
| | 6/1/92 | 0.06 | 40.84 |
| | 6/29/92 | 0.25 | 41.09 |
| | 7/29/92 | 1.11 | 42.20 |
| | 8/28/92 | 1.68 | 43.88 |
| | 4/3/93 | 0.13 | 44.01 |
| | 11/9/93 | 0.03 | 44.04 |
| | 8/30/95 | 1.75 | 45.79 |
| | 10/2/95 | 0.50 | 46.29 |
| | 11/3/95 | 0.25 | 46.54 |
| | 11/30/95 | 0.25 | 46.79 |
| | 1/3/96 | 0.05 | 46.84 |
| | 2/2/96 | 0.10 | 46.94 |
| | 3/1/96 | 0.20 | 47.14 |
| | 4/4/96 | 0.20 | 47.34 |
| | 5/2/96 | 0.20 | 47.54 |
| | 6/5/96 | 0.15 | 47.59 |

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Date</u> | Product Removed by Hand Bailing <u>(gallons)</u> | Cumulative Product Removed by Hand Bailing <u>(gallons)</u> |
|--------------------|---------------------------------------|---|--|
| MW-4 | 7/9/96 | 0.16 | 47.75 |
| (cont.) | 8/8/96 | 0.00 | 47.75 |
| | 9/10/96 | 0.05 | 47.80 |
| | 10/1/96 | 0.05 | 47.85 |
| | 11/4/96 | 0.02 | 47.87 |
| | 12/2/96 | 0.02 | 47.89 |
| | 1/3/97 | 0.02 | 47.91 |
| | 2/6/97 | 0.01 | 47.92 |
| none removed | 2/97-4/99; checked on a monthly basis | | |
| | 4/30/99 | trace | 47.92 |

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Date</u> | <u>Product Removed by Hand Bailing (gallons)</u> | <u>Cumulative Product Removed by Hand Bailing (gallons)</u> |
|-------------|-------------|--|---|
| MW-6 | 12/23/91 | 7.50 | 7.50 |
| | 12/26/91 | 2.00 | 9.50 |
| | 1/10/92 | 1.00 | 10.50 |
| | 2/4/92 | 2.00 | 12.50 |
| | 2/28/92 | 3.00 | 15.50 |
| | 3/10/92 | 2.75 | 18.25 |
| | 3/12/92 | 2.00 | 20.25 |
| | 3/23/92 | 1.00 | 21.25 |
| | 3/30/92 | 0.50 | 21.75 |
| | 4/10/92 | 0.25 | 22.00 |
| | 4/13/92 | 0.13 | 22.13 |
| | 4/20/92 | 0.13 | 22.26 |
| | 5/4/92 | 0.13 | 22.39 |
| | 5/8/92 | 0.06 | 22.45 |
| | 5/26/92 | 0.13 | 22.58 |
| | 6/1/92 | 0.06 | 22.64 |
| | 6/29/92 | 0.19 | 22.83 |
| | 7/29/92 | 0.60 | 23.43 |
| | 8/28/92 | 2.40 | 25.83 |
| | 12/2/92 | (obstruction in well) | -- |
| | 4/3/93 | 1.75 | 27.58 |
| | 11/9/93 | 0.83 | 28.41 |
| | 8/30/95 | 4.50 | 32.91 |
| | 10/2/95 | 4.00 | 36.91 |
| | 11/3/95 | 3.00 | 39.91 |
| | 11/30/95 | 2.50 | 42.41 |
| | 1/3/96 | 2.50 | 44.91 |
| | 2/2/95 | 5.00 | 49.90 |
| | 3/1/96 | 4.00 | 53.90 |
| | 4/4/96 | 5.00 | 58.90 |
| | 5/2/96 | 4.50 | 63.40 |
| | 6/5/96 | 4.00 | 67.40 |
| | 7/9/96 | 4.50 | 71.90 |
| | 8/8/96 | 4.00 | 75.90 |
| | 9/10/96 | 3.50 | 79.40 |
| | 10/1/96 | 4.00 | 83.40 |
| | 11/4/96 | *NM | 83.40 |
| | 12/2/96 | *NM | 83.40 |
| | 1/3/97 | *NM | 83.40 |

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Date</u> | <u>Product Removed by Hand Bailing (gallons)</u> | <u>Cumulative Product Removed by Hand Bailing (gallons)</u> |
|-----------------|-------------|--|---|
| MW-6 (cont.) | 2/6/97 | *NM | 83.40 |
| | 3/5/97 | *NM | 83.40 |
| | 4/1/97 | *NM | 83.40 |
| | 5/8/97 | 0.40 | 83.80 |
| | 6/6/97 | 0.03 | 83.83 |
| | 7/8/97 | 0.00 | 83.83 |
| | 8/7/97 | 0.00 | 83.83 |
| | 9/10/97 | 0.00 | 83.83 |
| | 10/1/97 | 0.00 | 83.83 |
| | 11/4/97 | 0.02 | 83.85 |
| | 12/4/97 | 0.05 | 83.90 |
| | 1/8/98 | 0.66 | 84.56 |
| | 2/5/98 | *NM | 84.56 |
| | 3/6/98 | 0.04 | 84.60 |
| | 4/2/98 | 0.10 | 84.70 |
| | 4/29/98 | 0.09 | 84.79 |
| | 6/3/98 | 0.03 | 84.82 |
| | 7/9/98 | 0.05 | 84.87 |
| | 8/4/98 | 0.04 | 84.91 |
| | 8/26/98 | 0.01 | 84.92 |
| | 11/2/98 | 0.02 | 84.94 |
| | 12/4/98 | 0.01 | 84.95 |
| | 1/5/99 | 0.03 | 84.98 |
| | 2/8/99 | 0.13 | 85.11 |
| | 3/24/99 | 0.03 | 85.14 |
| | 4/30/99 | 0.10 | 85.24 |

TABLE 2
FREE PRODUCT RECOVERY
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Date</u> | Product Removed by Hand Bailing (gallons) | Cumulative Product Removed by Hand Bailing (gallons) |
|---|--------------------|--|---|
| MW-9 | 8/8/96 | 0.10 | 0.10 |
| none removed since 8/96; checked on a monthly basis | | | |
| MW-14 | 12/4/98 | 0.01 | 0.01 |
| | 1/5/99 | 0.01 | 0.02 |
| | 2/8/99 | 0.01 | 0.03 |
| | 3/24/99 | trace | 0.03 |
| | 4/30/99 | trace | 0.03 |
| Total Product (gallons) removed by bailing | | | 147.06 |
| Total Product (gallons) removed by Soil Vapor Extraction (as of 3/31/98) | | | 223.0 |
| Cumulative Total of Product (gallons) Removed | | | 370.06 |

*NM, product was being removed by vapor extraction at time of measurement.

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | Groundwater | | <u>TVH</u> <u>µg/l</u> | <u>TEH</u> <u>µg/l</u> | <u>B</u> <u>µg/l</u> | <u>T</u> <u>µg/l</u> | <u>E</u> <u>µg/l</u> | <u>X</u> <u>µg/l</u> | <u>1,2-DCA</u> <u>µg/l</u> | <u>MtBE</u> <u>µg/l</u> | <u>Other VOC's</u> <u>µg/l</u> |
|-------------|-----------------|-----------------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | <u>Sampling</u> | <u>Elevation</u> <u>(feet)</u> | | | | | | | | | |
| MW-1 | 10/5/90 | 68.08 | 620,000 | <500 | 33,000 | 50,000 | 7,900 | 41,000 | 2,900 | -- | ND |
| | 3/1/91 | 67.02 | FP | -- | -- | -- | -- | -- | -- | ** | -- |
| | 10/12/92 | 68.04 | 490,000 | -- | 51,000 | 59,000 | 5,000 | 27,000 | 1,300 | -- | -- |
| | 11/24/92 | 67.85 | 320,000 | 4,600 | 35,000 | 43,000 | 4,200 | 22,000 | 1,600 | -- | ND |
| | 4/5/93 | 70.71 | 270,000 | 25,000 | 50,000 | 58,000 | 4,600 | 25,000 | 1,800 | -- | ND |
| | 7/21/93 | 69.97 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/9/93 | 68.42 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/30/95 | 72.75 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/4/95 | 72.54 | FP | -- | -- | -- | -- | -- | -- | <200 | -- |
| | 5/2/96 | 73.83 | 340,000 | 32,000 | 57,000 | 73,000 | 7,200 | 38,000 | 1,200 | -- | -- |
| | 11/5/96 | 70.19 | 270,000 | -- | 43,000 | 56,000 | 4,500 | 34,000 | -- | -- | -- |
| | 5/9/97 | 71.69 | 240,000 | 28,000 ^{1,2} | 36,000 | 45,000 | 3,300 | 17,900 | 930 | -- | -- |
| | 11/5/97 | 69.42 | 240,000 | 28,000 ^{1,2} | 42,000 | 48,000 | 3,600 | 18,800 | 1,200 | <1,000 | -- |
| | 2/9/98 | 71.84 | 220,000 | 27,000 ^{1,2} | 47,000 | 60,000 | 5,200 | 29,800 | 1,500 | <1,000 | ND |
| | 5/1/98 | 74.53 | 160,000 | 29,000 ^{1,2} | 35,000 | 42,000 | 2,800 | 16,000 | 1,100 | <1,000 | ND |
| | 11/3/98 | 71.19 | 200,000 | 37,000 ^{1,2} | 39,000 | 49,000 | 4,400 | 26,000 | 1,200 | <500 | ND |
| | 3/24/99 | 72.18 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 3/1/91 | 66.95 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/24/92 | 66.90 | <50 | <50 | <0.5 | 1.1 | <0.5 | 1.5 | <1.0 | -- | ND |
| | 4/5/93 | 68.86 | <50 | 870 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 7/21/93 | 69.22 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/10/93 | 68.09 | <50 | 240 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater Elevation</u> | | <u>TVH</u> <u>µg/l</u> | <u>TEH</u> <u>µg/l</u> | <u>B</u> <u>µg/l</u> | <u>T</u> <u>µg/l</u> | <u>E</u> <u>µg/l</u> | <u>X</u> <u>µg/l</u> | <u>1,2-DCA</u> <u>µg/l</u> | <u>MtBE</u> <u>µg/l</u> | <u>Other VOC's</u> <u>µg/l</u> |
|-----------------|----------------------|------------------------------|-----------------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | | <u>Sampling</u> | <u>Elevation</u> <u>(feet)</u> | | | | | | | | | |
| MW-2 (cont.) | 8/30/95 | 69.06 | <50 | 150* | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 5/3/96 | 71.53 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 5/8/97 | 70.23 | <50 | <50 | <0.5 | 0.7 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 4/29/98 | 72.63 | <50 | <47 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |
| MW-3 | 3/1/91 | 66.91 | <50 | <50 | <50 | 0.6 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/25/92 | 67.07 | 50 | 160 | <0.5 | 0.9 | <0.5 | 2 | <0.5 | <1.0 | -- | ND |
| | 4/5/93 | 67.97 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 7/21/93 | 66.15 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/10/93 | 66.94 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 8/30/95 | 69.47 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 5/3/96 | 71.65 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 5/8/97 | 70.31 | <50 | <50 | <0.5 | 0.7 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 4/29/98 | 72.16 | <50 | <47 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater</u> | | <u>TVH</u> <u>µg/l</u> | <u>TEH</u> <u>µg/l</u> | <u>B</u> <u>µg/l</u> | <u>T</u> <u>µg/l</u> | <u>E</u> <u>µg/l</u> | <u>X</u> <u>µg/l</u> | <u>1,2-DCA</u> <u>µg/l</u> | <u>MtBE</u> <u>µg/l</u> | <u>Other VOC's</u> <u>µg/l</u> |
|-------------|----------------------|--------------------|-----------------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | | <u>Sampling</u> | <u>Elevation</u> <u>(feet)</u> | | | | | | | | | |
| MW-4 | 3/1/91 | 65.05 | 150,000 | <500 | 20,000 | 38,000 | 2,800 | 14,000 | 610 | ** | ND | |
| | 10/12/92 | 66.36 | 230,000 | -- | 15,000 | 32,000 | 2,500 | 14,000 | 430 | -- | -- | |
| | 11/24/92 | 66.24 | 210,000 | 1,600 | 14,000 | 31,000 | 2,500 | 14,000 | 500 | -- | ND | |
| | 4/2/93 | 68.73 | FP | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 7/21/93 | 68.36 | FP | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 11/9/93 | 67.13 | FP | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 8/30/95 | 68.94 | FP | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 12/1/95 | 69.44 | FP | -- | -- | -- | -- | -- | -- | -- | -- | |
| | 5/2/96 | 71.34 | 140,000 | 9,200 | 24,000 | 50,000 | 3,000 | 15,100 | 420 | -- | ND | |
| | 11/4/96 | 68.71 | 160,000 | 4,700 ^{1,2} | 16,000 | 38,000 | 2,700 | 14,000 | 380 | -- | ND | |
| | 5/8/97 | 70.21 | 170,000 | 5,100 ^{1,2} | 16,000 | 37,000 | 2,400 | 15,900 | 290 | -- | -- | |
| | 11/5/97 | 68.65 | 190,000 | 3,700 ^{1,2} | 15,000 | 31,000 | 2,200 | 14,600 | 290 | <400 | -- | |
| | 2/9/98 | 70.56 | 110,000 | 4,800 ^{1,2} | 19,000 | 42,000 | 2,500 | 18,300 | 300 | <500 | -- | |
| | 5/1/98 | 72.73 | 130,000 | 5,000 ^{1,2} | 15,000 | 31,000 | 2,000 | 13,400 | 260 | <1,000 | ND | |
| | 8/4/98 | 71.30 | 130,000 | 3,500 ^{1,2} | 16,000 | 34,000 | 2,400 | 15,700 | 240 | <400 | ND | |
| | 11/2/98 | 69.63 | 140,000 | 7,200 ^{1,2} | 16,000 | 32,000 | 2,300 | 15,500 | 230 | <400 | ND | |
| | 3/26/99 | 71.33 | 110,000 | 14,000 ^{1,2} | 15,000 | 30,000 | 1,600 | 15,000 | 210 | 450 ³ | | |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater</u> | | | | | | | | <u>Other VOC's</u> | |
|-------------|----------------------|-------------------------|-----------------|-----------------------|---------------|---------------|---------------|---------------|---------------------|--------------------|----------------------------|
| | | <u>Elevation (feet)</u> | <u>TVH µg/l</u> | <u>TEH µg/l</u> | <u>B µg/l</u> | <u>T µg/l</u> | <u>E µg/l</u> | <u>X µg/l</u> | <u>1,2-DCA µg/l</u> | <u>MtBE µg/l</u> | |
| MW-5 | 3/15/91 | 58.53 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/10/92 | 58.01 | <50 | 50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 4/2/93 | 58.22 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 7/21/93 | 58.24 | <50 | 190 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/9/93 | 57.60 | <50 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 8/30/95 | 57.38 | <50 | 180* | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 5/3/96 | 58.82 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 5/8/97 | 58.08 | <50 | <50 | <0.5 | 0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 4/29/98 | 59.49 | <50 | <47 | <0.5 | 0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |
| MW-6 | 3/15/91 | 59.80 | 80,000 | <50 | 12,000 | 13,000 | 1,100 | 5,400 | 1,400 | -- | Dibromochloromethane (160) |
| | 10/12/92 | 60.60 | 19,000 | -- | 3,200 | 1,400 | 200 | 560 | 840 | -- | -- |
| | 12/1/92 | 56.75 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 4/2/93 | 58.66 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 7/21/93 | 59.45 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/9/93 | 58.11 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/30/95 | 57.62 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/1/95 | 58.04 | FP | -- | -- | -- | -- | -- | 71 | <8,000,000 | -- |
| | 5/3/96 | 58.79 | 130,000 | 9,000 | 37,000 | 50,000 | 3,200 | 14,200 | 2,400 | -- | ND |
| | 5/9/97 | 60.40 | 1,700,000 | 53,000 ^{1,2} | 14,000 | 27,000 | 4,000 | 28,200 | 1,200 | -- | -- |
| | 11/5/97 | 60.78 | 160,000 | 65,000 ^{1,2} | 13,000 | 19,000 | 1,900 | 14,300 | 790 | <200 | -- |
| | 5/1/98 | 62.86 | 130,000 | 25,000 ^{1,2} | 15,000 | 23,000 | 1,700 | 13,200 | 1,100 | <500 | ND |
| | 11/3/98 | 61.47 | 110,000 | 30,000 ^{1,2} | 17,000 | 21,000 | 1,800 | 10,700 | 990 | <200 | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater</u> | | <u>TVH</u> <u>µg/l</u> | <u>TEH</u> <u>µg/l</u> | <u>B</u> <u>µg/l</u> | <u>T</u> <u>µg/l</u> | <u>E</u> <u>µg/l</u> | <u>X</u> <u>µg/l</u> | <u>1,2-DCA</u> <u>µg/l</u> | <u>MtBE</u> <u>µg/l</u> | <u>Other VOC's</u> <u>µg/l</u> |
|-------------|----------------------|-----------------------------------|-----|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | | <u>Elevation</u> <u>(feet)</u> | | | | | | | | | | |
| MW-7 | 3/15/91 | 63.78 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/24/92 | 63.89 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 4/2/93 | 65.33 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 7/21/93 | 65.82 | <50 | 150 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/9/93 | 64.76 | <50 | 200 | <0.5 | 1 | <0.5 | 1.7 | <1.0 | -- | -- | ND |
| | 8/30/95 | 66.63 | <50 | 170* | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 12/1/95 | 65.94 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 5/2/96 | 68.26 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 8/8/96 | 66.93 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |
| | 11/4/96 | 66.72 | <50 | <50 | <1 | <1 | <1 | <1 | <1 | <1.0 | -- | ND |
| | 2/6/97 | 67.97 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |
| | 5/8/97 | 67.69 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- |
| | 8/7/97 | 66.92 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |
| | 11/5/97 | 66.55 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | <2 | -- |
| | 2/9/98 | 67.85 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | -- |
| | 4/29/98 | 69.18 | <50 | <47 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | ND |
| | 8/4/98 | 68.17 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.1 | <2 | ND |
| | 11/2/98 | 67.50 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.2 | <2 | ND |
| | 3/26/99 | 68.99 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND | <2 | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | Groundwater | | B µg/l | T µg/l | E µg/l | X µg/l | 1,2-DCA µg/l | MtBE µg/l | Other VOC's µg/l |
|-------------|----------------------|--------------------|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | | Sampling | Elevation (feet) | | | | | | | |
| MW-8 | 10/12/92 | 57.80 | 70 | -- | 20 | 1 | 1 | 3 | 210 | -- |
| | 11/25/92 | 57.88 | <50 | 170 | <0.5 | <0.5 | <0.5 | <0.5 | 200 | -- |
| | 4/8/93 | 58.86 | 490 | 100 | 15 | 45 | 5.1 | 73 | 210 | -- |
| | 7/21/93 | 58.90 | 180 | 90 | 2.5 | 3 | <0.5 | 1.9 | 350 | -- |
| | 11/11/93 | 58.32 | 310 | 170 | 23 | <0.5 | <0.5 | <0.5 | 240 | -- |
| | 8/30/95 | 59.15 | 660 | 240* | 360 | 6.8 | 13 | 2.8 | 130 | -- |
| | 12/4/95 | 58.78 | 250 | <50 | 46 | 0.9 | 4.9 | <0.5 | 94 | -- |
| | 5/3/96 | 60.03 | 69 | 94 | 110 | <0.5 | <0.5 | 1.5 | 100 | -- |
| | 8/8/96 | 59.09 | 120 | 250 ^{1,2} | 11 | <0.5 | <0.5 | <0.5 | 93 | <2 |
| | 11/5/96 | 58.73 | 110 | <50 | 20 | <1 | 1 | <1 | 98 | -- |
| | 2/6/97 | 59.66 | 67 ^{1,2} | 130 | 51 | <0.5 | 0.56 | <0.5 | 81 | <2 |
| | 5/9/97 | 59.11 | 110 ^{1,2} | 120 ^{1,2} | 59 | <0.5 | <0.5 | <0.5 | 76 | -- |
| | 8/7/97 | 58.78 | <50 | 150 ² | 12 ³ | <0.5 | <0.5 | <0.5 | 79 | <2 |
| | 11/5/97 | 58.68 | <50 | 110 ^{1,2} | 9.4 | <0.5 | <0.5 | <0.5 | 84 | <2 |
| | 2/9/98 | 59.93 | <50 | 75 ^{1,2} | 6 | <0.5 | <0.5 | <0.5 | 85 | <2 |
| | 5/1/98 | 59.86 | 430 | 210 ^{1,2} | 490 | 7.1 | 27 | 26 | 85 | <10 |
| | 8/5/98 | 59.54 | 140 | 260 ^{1,2} | 19 | <0.5 | 5.2 | 5.3 | 69 | <2 |
| | 11/3/98 | 59.23 | 150 | 190 ^{1,2} | 110 | 1.1 | 4.3 | 4.5 | 67 | <2 |
| | 3/31/99 | 64.57 | 54 ⁵ | 200 ^{1,2} | 170 | 1.5 | 4.1 | 1.9 | 5.9 | 4.4 ⁶ |
| | | | | | | | | | | 11 DCA 0.7 |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater</u> | | <u>TVH</u> <u>µg/l</u> | <u>TEH</u> <u>µg/l</u> | <u>B</u> <u>µg/l</u> | <u>T</u> <u>µg/l</u> | <u>E</u> <u>µg/l</u> | <u>X</u> <u>µg/l</u> | <u>1,2-DCA</u> <u>µg/l</u> | <u>MtBE</u> <u>µg/l</u> | <u>Other VOC's</u> <u>µg/l</u> |
|-------------|----------------------|--------------------|--------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | | <u>Elevation</u> | <u>(feet)</u> | | | | | | | | | |
| MW-9 | 11/24/92 | 66.86 | 19,000 | 320 | 180 | 590 | 23 | 2000 | 340 | -- | | Chloroform (15) |
| | 4/5/93 | 69.23 | 2,300 | 920 | 48 | 4 | 0.6 | 13 | 600 | -- | | Chloroform (2) |
| | 7/21/93 | 68.83 | 2,300 | 450 | 170 | 8.1 | 15 | <0.5 | 1100 | -- | | ND |
| | 11/10/93 | 62.84 | 4,400 | 450 | 69 | 7.3 | 21 | 9.7 | 900 | -- | | ND |
| | 8/30/95 | 70.78 | 3,200 | 680 | 3,900 | 49 | 80 | 22.8 | 960 | -- | | -- |
| | 12/4/95 | 69.72 | -- | -- | -- | -- | -- | -- | -- | <2 | | -- |
| | 5/2/96 | 71.74 | <1300 | 710 | 2,600 | <13 | 200 | <13 | 550 | -- | | ND |
| | 11/5/96 | 69.68 | 1,800 | 420 | 280 | <5 | 65 | <5 | 770 | -- | | ND |
| | 5/9/97 | 70.41 | 1,100 | 490 ^{1,2} | 160 | <0.5 | 42 | <0.5 | 690 | -- | | -- |
| | 8/8/97 | 69.53 | 570 ^{1,2} | 480 ² | <0.5 | <0.5 | <0.5 | 0.78 ³ | 680 | <2 | | ND |
| | 11/5/97 | 68.82 | 490 ¹ | 370 ^{1,2} | <0.5 | <0.5 | 6 | <0.5 | 500 | <2 | | -- |
| | 2/9/98 | 70.16 | 270 ¹ | 410 ^{1,2} | 48 | 17 | 5.8 | <0.5 | 520 | <2 | | -- |
| | 5/1/98 | 71.10 | 550 | 450 ^{1,2} | 70 | <0.5 | 22 | 2.2 | 390 | <2 | | ND |
| | 8/5/98 | 71.02 | 550 ¹ | 630 ^{1,2} | 88 | <0.5 | 13 | 1.9 ³ | 420 | <2 | | ND |
| | 11/2/98 | 69.94 | 580 | 500 ^{1,2} | <0.5 | <0.5 | 7.5 ³ | 1.6 ³ | 430 | <2 | | ND |
| | 3/25/99 | 71.91 | 1100 | 630 ^{1,2} | 160 | <0.5 | 21 | 2.1 ³ | 550 | 5.7 ⁶ | | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater Elevation</u> | | <u>TVH</u> | <u>TEH</u> | <u>B</u> | <u>T</u> | <u>E</u> | <u>X</u> | <u>1,2-DCA</u> | <u>MtBE</u> | <u>Other VOC's</u> |
|-------------|----------------------|------------------------------|-------------|----------------------|-------------|-------------|-------------|-------------|-------------|----------------|-------------|--------------------|
| | | <u>(feet)</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> |
| MW-10 | 10/12/92 | 67.05 | 28,000 | -- | 2,700 | 3,800 | 210 | 1,300 | 150 | -- | -- | -- |
| | 11/24/92 | 66.74 | 130,000 | 1,300 | 9,700 | 19,000 | 1,400 | 8,400 | 370 | -- | -- | ND |
| | 4/5/93 | 69.46 | 63,000 | 5,000 | 6,300 | 14,000 | 1,100 | 7,500 | 70 | -- | -- | ND |
| | 7/21/93 | 68.81 | 140,000 | 20,000 | 16,000 | 31,000 | 2,200 | 13,000 | 700 | -- | -- | ND |
| | 8/30/95 | 70.61 | 92,000 | 5,900 | 13,000 | 24,000 | 1,800 | 9,100 | 300 | -- | -- | -- |
| | 5/3/96 | 71.56 | 81,000 | 5,600 | 17,000 | 29,000 | 2,100 | 8,500 | 320 | -- | -- | ND |
| | 5/9/97 | 70.24 | 63,000 | 2,500 ^{1,2} | 7,400 | 13,000 | 940 | 4,100 | 150 | -- | -- | -- |
| | 5/1/98 | 72.76 | 60,000 | 2,000 ^{1,2} | 7,100 | 14,000 | 1100 | 5,300 | 120 | <250 | -- | ND |
| MW-11 | 11/24/92 | 68.41 | <50 | 220 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | ND |
| | 12/8/92*** | 68.69 | <50 | 140 | <0.1 | <0.1 | <0.1 | <0.1 | -- | -- | -- | -- |
| | 12/8/92 | 68.69 | <50 | 120 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- | -- |
| | 4/5/93 | 71.03 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | ND |
| | 7/21/93 | 70.16 | 160 | 150 | <0.5 | 1.8 | <0.5 | <0.5 | <1.0 | -- | -- | ND |
| | 11/9/93 | 69.46 | 80 | 60 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | ND |
| | 8/30/95 | 73.14 | <50 | 240* | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | -- |
| | 5/3/96 | 74.06 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | ND |
| | 5/8/97 | 72.13 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | -- | -- |
| | 4/29/98 | 74.84 | <50 | <47 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <2 | -- | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater</u> | | <u>TVH</u> <u>µg/l</u> | <u>TEH</u> <u>µg/l</u> | <u>B</u> <u>µg/l</u> | <u>T</u> <u>µg/l</u> | <u>E</u> <u>µg/l</u> | <u>X</u> <u>µg/l</u> | <u>1,2-DCA</u> <u>µg/l</u> | <u>MtBE</u> <u>µg/l</u> | <u>Other VOC's</u> <u>µg/l</u> |
|-------------|----------------------|-----------------------------------|-----------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------|----------------------------|-----------------------------------|
| | | <u>Elevation</u> <u>(feet)</u> | | | | | | | | | | |
| MW-13 | 11/24/92 | 58.01 | <50 | 3,600 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 12/8/92*** | 58.98 | <50 | 210 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | -- | -- | -- |
| | 12/8/92 | 58.98 | <50 | 100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| | 4/5/93 | 59.42 | <50 | <50 | <0.5 | 0.9 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 7/21/93 | 59.77 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 11/9/93 | 59.83 | <50 | 160 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | -- | ND |
| | 8/30/95 | 60.76 | <50 | <50 | 49 | <0.5 | <0.5 | <0.5 | <0.5 | 3.6 | -- | -- |
| | 12/1/95 | 60.26 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 4.1 | -- | ND |
| | 5/3/96 | 60.87 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 4 | -- | ND |
| | 8/8/96 | 60.62 | <50 | <50 | 32 | <0.5 | <0.5 | <0.5 | <0.5 | 6.4 | <2 | ND |
| | 11/5/96 | 60.02 | <50 | <50 | <1 | <1 | <1 | <1 | <1 | 5.7 | -- | ND |
| | 2/6/97 | 60.82 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 3.5 | <2 | ND |
| | 5/8/97 | 60.60 | <50 | <50 | 81 | <0.5 | <0.5 | <0.5 | <0.5 | 5.5 | -- | -- |
| | 8/8/97 | 60.14 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 6.8 | <2 | ND |
| | 11/5/97 | 59.79 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 5.5 | <2 | -- |
| | 2/9/98 | 61.17 | <50 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | <2 | -- |
| | 4/29/98 | 61.79 | <50 | <47 | 24 | <0.5 | <0.5 | <0.5 | <0.5 | 5.7 | <2 | ND |
| | 8/4/98 | 61.31 | 120 | 78 ^{1,2} | 200 | <1 | <1 | <1 | <1 | 6.2 | <4 | ND |
| | 11/3/98 | 60.16 | 59 ¹ | <50 | 33 | <0.5 | <0.5 | <0.5 | <0.5 | 6.1 | <2 | ND |
| | 3/31/99 | 60.95 | 130 | <48 | 0.56 | <0.5 | <0.5 | <0.5 | <0.5 | 1.4 | <2 | ND |

TABLE 3
SUMMARY OF PETROLEUM HYDROCARBON AND VOC CONCENTRATIONS IN GROUNDWATER
FROM MONITORING WELLS
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Groundwater Elevation</u> | | <u>TVH</u> | <u>TEH</u> | <u>B</u> | <u>T</u> | <u>E</u> | <u>X</u> | <u>1,2-DCA</u> | <u>MtBE</u> | <u>Other VOC's</u> |
|-------------|----------------------|------------------------------|-------------|----------------------|-------------|-------------|-------------|-------------|-------------|----------------|-------------|--------------------|
| | | <u>(feet)</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> | <u>µg/l</u> |
| MW-14 | 5/26/98 | 72.99 | 41,000 | 7,700 ^{1,2} | 7,100 | 11,000 | 720 | 3,900 | 440 | <1000 | | ND |
| MW-15 | 5/26/98 | 72.89 | 130,000 | 1,700 ^{1,2} | 30,000 | 38,000 | 2,500 | 12,600 | 1,200 | <1000 | | ND |

NOTES:

µg/l = micrograms per liter = parts per billion = ppb

TVH = Total Volatile Hydrocarbons

TEH = Total Extractable Hydrocarbons

BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

1,2-DCA = 1,2-Dichloroethane

MtBE = Methyl tertiary butyl ether

* = Suspect laboratory contamination contributing to test result.

** = Fuel fingerprint analysis indicates MTBE is not present in the free product sample collected from this well.

*** = Duplicate sample sent to a different chemical laboratory.

<0.5 = Chemical not present at a concentration in excess of detection limit shown

ND = None detected, chemicals not present at concentrations above detection limits reported on laboratory test reports

MW-1 was initially referred to as Sample 5

-- = Test not requested

FP = Free product encountered in well

1 = Sample exhibits fuel pattern which does not resemble standard

2 = Lighter hydrocarbons than indicated standard

3 = Presence of this compound confirmed by second column, however, the confirmation concentration differed from the reported result by more than a factor of two

4 = Other substances found: Acetone, 1,2-Dibromoethane, Ethylbenzene, Styrene, Isopropylbenzene, Propylbenzene, 1,3,5-Trimethylbenzene, 2-Chlorotoluene, 1,2,4-Trimethylbenzene, n-Butylbenzene, and Naphthalene. See laboratory results for details.

5 = sample exhibits unknown single peak or peaks

6 = detection may potentially be a false positive, to be checked during the next event.

TABLE 4
SUMMARY OF SEMI-VOLATILE ORGANIC COMPOUNDS AND OIL & GREASE
IN GROUNDWATER FROM MONITORING WELL MW-1
3093 BROADWAY
OAKLAND, CALIFORNIA

| <u>Well</u> | <u>Sampling Date</u> | <u>Oil & Grease (mg/l)</u> | <u>2,4-Dichloro-phenol (µg/l)</u> | <u>2,4-Dimethyl-phenol (µg/l)</u> | <u>2-methyl naphthalene (µg/l)</u> | <u>2-methyl-phenol (µg/l)</u> | <u>3,4-methyl phenol (µg/l)</u> | <u>Benzoic Acid (µg/l)</u> | <u>bis (2-ethyl hexyl) phthalate (µg/l)</u> | <u>Naphthalene (µg/l)</u> | <u>Phenol (µg/l)</u> | <u>Other SVOC's Compounds</u> |
|-------------|----------------------|--------------------------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------|---------------------------------|----------------------------|---|---------------------------|----------------------|-------------------------------|
| MW-1 | 8/30/95 | 10 | 1,700 | <240 | 630 | <240 | NI | <1,200 | 240 | 1,200 | <240 | ND |
| | 5/2/96 | <5 | <47 | <47 | 250 | <47 | NI | <240 | <47 | 640 | <47 | ND |
| | 11/5/96 | 9.8 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/9/97 | 20 | <47 | <47 | 280 | <47 | NI | 570 | <47 | 650 | 93 | ND |
| | 11/5/97 | <5 | <190 | <190 | 720 | <190 | <190 | <940 | <190 | 1,500 | <190 | ND |
| | 2/9/98 | <5 | <47 | <47 | 160 | <47 | 52 | 700 | <47 | 570 | 92 | ND |
| | 5/27/98 | 5.7 | <200 | 110J | 120J | 210 | 200J | <1,000 | <200 | 630 | 480 | ND |
| | 11/3/98 | 63 | <94 | <9.4 | 500 | <94 | 59J | 500 | <94 | 1,100 | 130 | ND |

NOTES:

<5 = Analyte not detected above laboratory reporting limit stated.

ND = Analytes not detected above their laboratory reporting limits.

NI = Not included in laboratory analyte list.

-- = Test not requested.

J = Estimated value below the laboratory reporting list

SVOC = Semi-volatile organics



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

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A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
3736 Mt. Diablo Blvd.
Suite 200
Lafayette, CA 94549

Date: 05-APR-99
Lab Job Number: 138635
Project ID: 447.055
Location: Connell Olds

Reviewed by: John B. Morris

Reviewed by: Frank Morris

This package may be reproduced only in its entirety.

CHAIN OF CUSTODY FORM

PROJECT NAME: Connell Oldsmobile

JOB NUMBER: 447-055

PROJECT CONTACT: Mc Mendoza

SAMPLER BY: John Wolfe

LAP: C + T

TURNAROUND: Normal

REQUERED BY: John Wolfe

| CHAIN OF CUSTODY RECORD | | | | COMMENTS & NOTES: |
|--------------------------|--------------|--------------------------|--------------|-------------------|
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| <i>John Wolfe</i> | 3/26/99 1130 | <i>Sgt. J. A.</i> | 3/26/99 1130 | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |



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3736 Mt. Diablo Blvd., Ste. 200, Lafayette, CA 94549
(825) 289-7960 - (825) 289-7970



TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

| Sample # | Client ID | Batch # | Sampled | Extracted | Analyzed | Moisture |
|------------|-----------|---------|----------|-----------|----------|----------|
| 138635-001 | MW-9 | 47073 | 03/25/99 | 03/29/99 | 03/29/99 | |
| 138635-002 | MW-4 | 47110 | 03/26/99 | 03/30/99 | 03/30/99 | |
| 138635-003 | MW-7 | 47073 | 03/26/99 | 03/29/99 | 03/29/99 | |

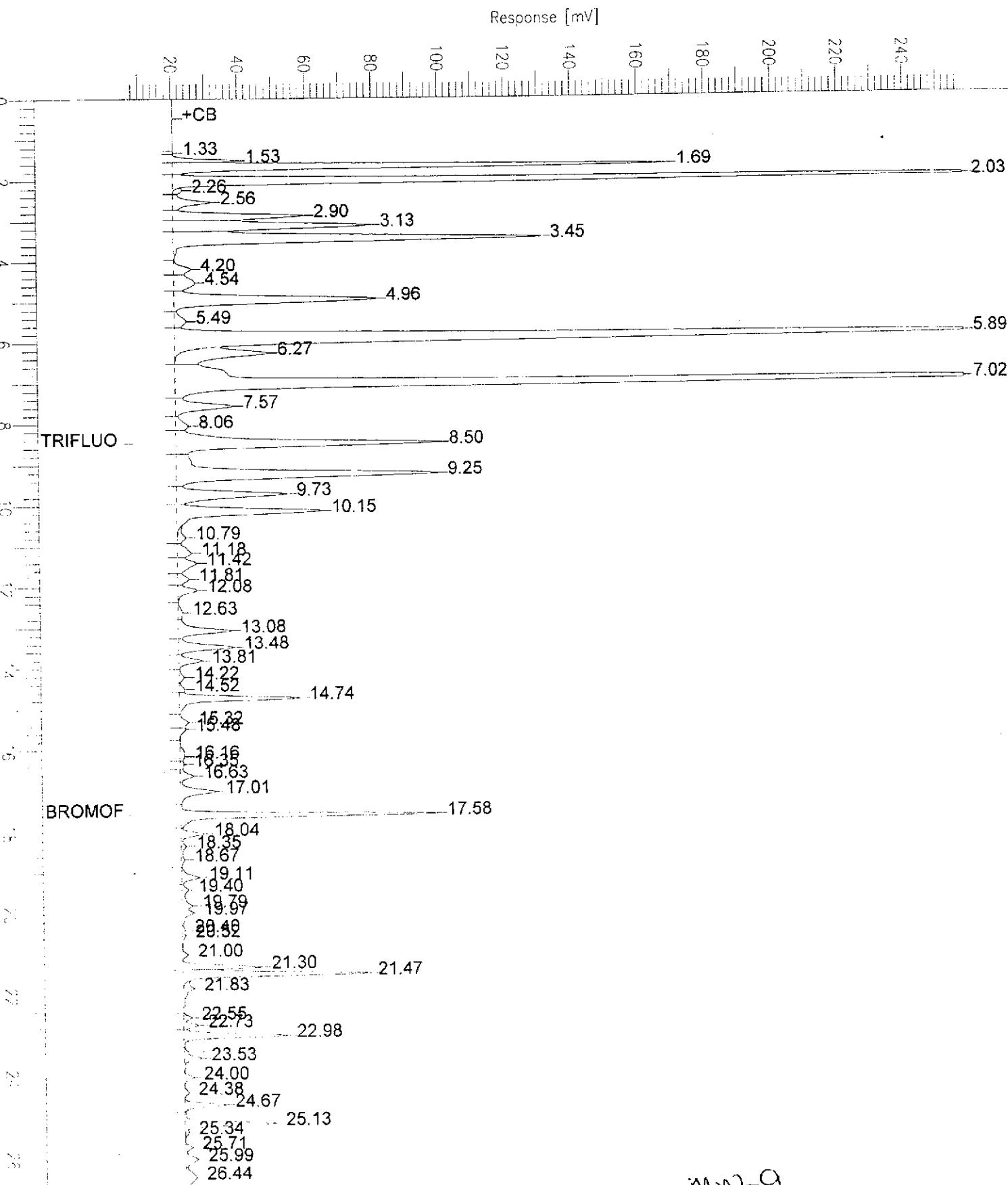
Matrix: Water

| Analyte | Units | 138635-001 | 138635-002 | 138635-003 |
|--------------------|-------|------------|------------|------------|
| Diln Fac: | | 1 | 125 | 1 |
| Gasoline C7-C12 | ug/L | 1100 | 110000 | <50 |
| <hr/> | | | | |
| Surrogate | | | | |
| Trifluorotoluene | %REC | 131 | 101 | 104 |
| Bromofluorobenzene | %REC | 103 | 105 | 98 |

Chromatogram

Sample Name : 138635-001,47073
 File Name : G:\GC05\DATA\088G020.raw
 Method : TVHBTXE
 Start Time : 0.00 min End Time : 26.80 min
 Scale Factor: -1.0 Plot Offset: 8 mV

Sample #: Page 1 of 1
 Date : 3/30/99 10:30 AM
 Time of Injection: 3/29/99 09:58 PM
 Low Point : 7.98 mV High Point : 257.98 mV
 Plot Scale: 250.0 mV

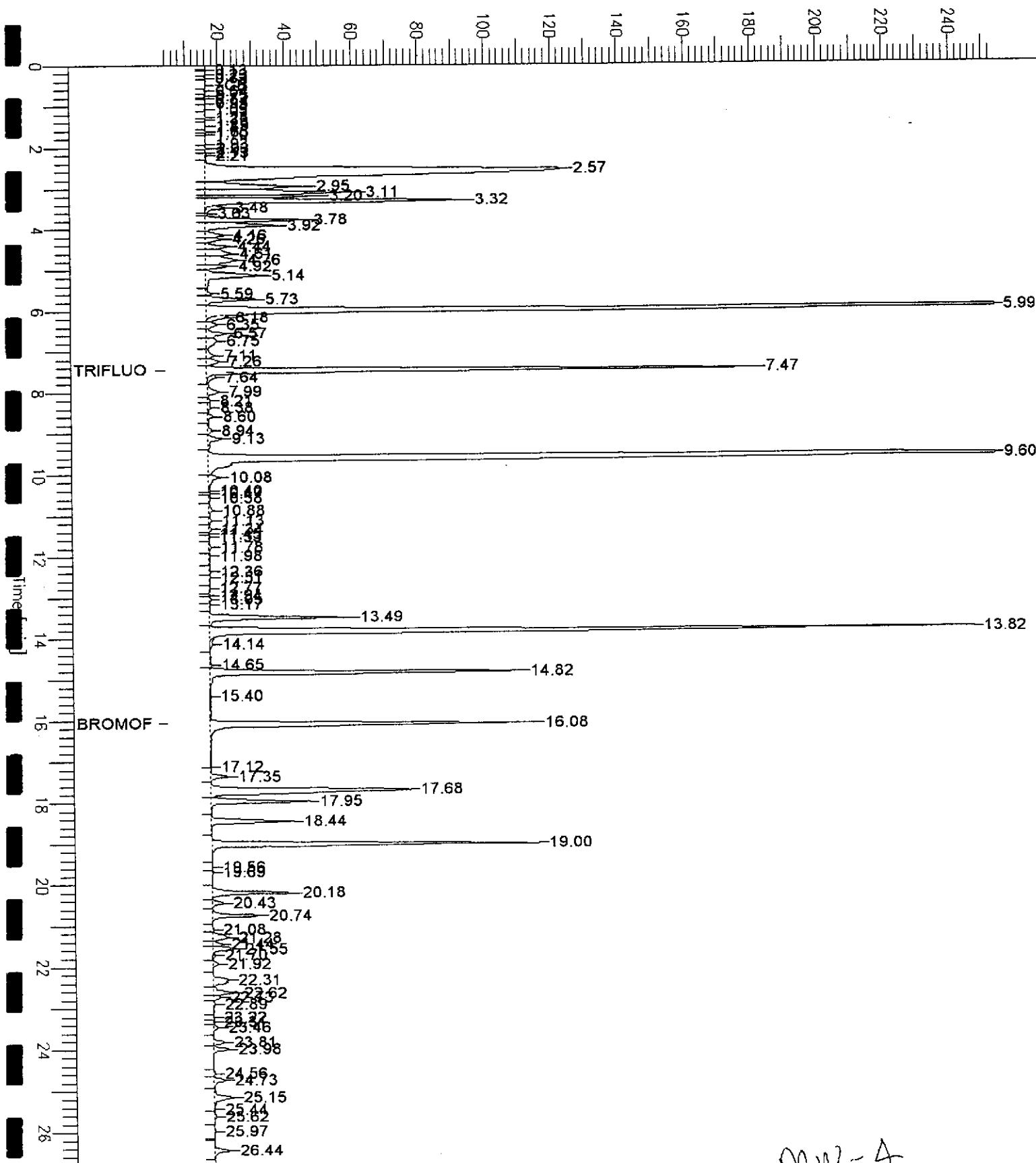


GC19 TVH 'X' Data File (FID)

Sample Name : RR_138635-002,47110
 File Name : G:\GC19\DATA\089X021.raw
 Method : TVHBTXE
 Start Time : 0.00 min End Time : 26.80 min
 Scale Factor: -1.0 Plot Offset: 4 mV

Sample #: Page 1 of 1
 Date : 3/30/99 10:39 PM
 Time of Injection: 3/30/99 10:12 PM
 Low Point : 3.53 mV High Point : 253.53 mV
 Plot Scale: 250.0 mV

Response [mV]





Curtis & Tompkins Ltd.

Page 1 of 1

Lab #: 138635

BATCH QC REPORT

TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 47073
Units: ug/L
Diln Fac: 1

Prep Date: 03/29/99
Analysis Date: 03/29/99

MB Lab ID: QC93903

| Analyte | Result | |
|--------------------|--------|-----------------|
| Gasoline C7-C12 | <50 | |
| Surrogate | %Rec | Recovery Limits |
| Trifluorotoluene | 103 | 53-150 |
| Bromofluorobenzene | 104 | 53-149 |

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Page 1 of 1

Lab #: 138635

BATCH QC REPORT

TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 47110
Units: ug/L
Diln Fac: 1

Prep Date: 03/30/99
Analysis Date: 03/30/99

MB Lab ID: QC94041

| Analyte | Result | |
|--------------------|--------|-----------------|
| Gasoline C7-C12 | <50 | |
| Surrogate | %Rec | Recovery Limits |
| Trifluorotoluene | 92 | 53-150 |
| Bromofluorobenzene | 91 | 53-149 |

Lab #: 138635

BATCH QC REPORT



Curtis & Tompkins Ltd.
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TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 47073
Units: ug/L
Diln Fac: 1

Prep Date: 03/29/99
Analysis Date: 03/29/99

LCS Lab ID: QC93901

| Analyte | Result | Spike Added | %Rec # | Limits |
|--------------------|--------|-------------|--------|--------|
| Gasoline C7-C12 | 1929 | 2000 | 96 | 77-117 |
| Surrogate | %Rec | | | Limits |
| Trifluorotoluene | 130 | | | 53-150 |
| Bromofluorobenzene | 95 | | | 53-149 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

Lab #: 138635

BATCH QC REPORT



Curtis & Tompkins Ltd.
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TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 47110
Units: ug/L
Diln Fac: 1

Prep Date: 03/30/99
Analysis Date: 03/30/99

LCS Lab ID: QC94039

| Analyte | Result | Spike Added | %Rec # | Limits |
|--------------------|--------|-------------|--------|--------|
| Gasoline C7-C12 | 1937 | 2000 | 97 | 77-117 |
| Surrogate | %Rec | | | Limits |
| Trifluorotoluene | 101 | | | 53-150 |
| Bromofluorobenzene | 112 | | | 53-149 |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

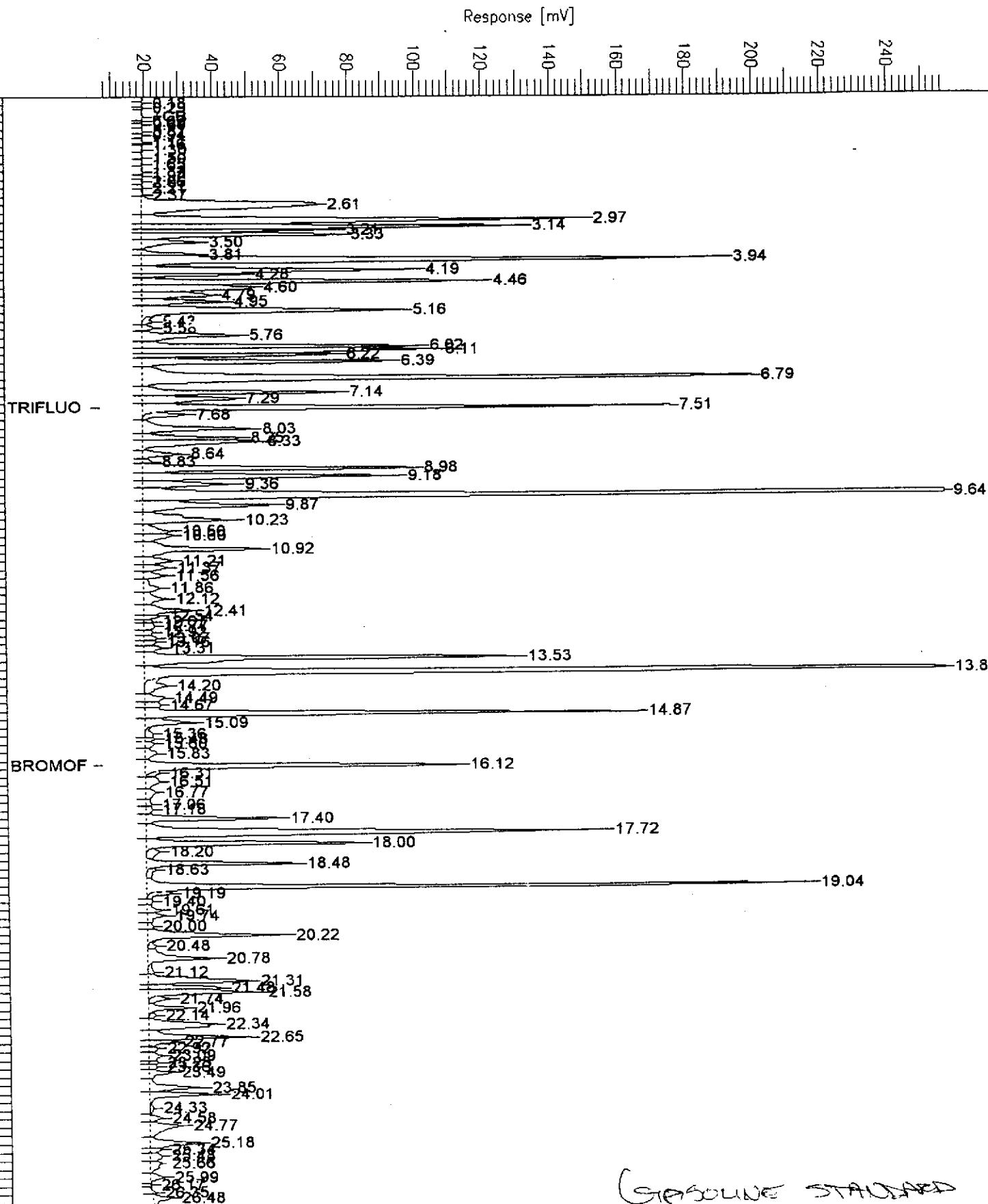
GC19 TVH 'X' Data File (FID)

Sample Name : CCV/LCS_QC94039, 99WS7170, 47110
 File Name : G:\GC19\DATA\089X002.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor: -1.0

End Time : 26.80 min
 Plot Offset: 7 mV

Sample #: GAS
 Date : 3/30/99 09:31 AM
 Time of Injection: 3/30/99 09:03 AM
 Low Point : 6.76 mV High Point : 256.76 mV
 Plot Scale: 250.0 mV

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BTXE

Client: Subsurface Consultants
Project #: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

| Sample # | Client ID | Batch # | Sampled | Extracted | Analyzed | Moisture |
|-----------------|-----------|---------|----------|-----------|----------|----------|
| 138635-001 MW-9 | | 47073 | 03/25/99 | 03/29/99 | 03/29/99 | |
| 138635-002 MW-4 | | 47142 | 03/26/99 | 04/01/99 | 04/01/99 | |
| 138635-003 MW-7 | | 47073 | 03/26/99 | 03/29/99 | 03/29/99 | |

Matrix: Water

| Analyte | Units | 138635-001 | 138635-002 | 138635-003 |
|--------------------|-------|------------|------------|------------|
| Diln Fac: | | 1 | 200 | 1 |
| MTBE | ug/L | 5.7 | 450 | <2 |
| Benzene | ug/L | 160 | 15000 | <0.5 |
| Toluene | ug/L | <0.5 | 30000 | <0.5 |
| Ethylbenzene | ug/L | 21 | 1600 | <0.5 |
| m,p-Xylenes | ug/L | <0.5 | 11000 | <0.5 |
| o-Xylene | ug/L | 2.1C | 4000 | <0.5 |
| Surrogate | | | | |
| Trifluorotoluene | %REC | 129 | 79 | 106 |
| Bromofluorobenzene | %REC | 102 | 80 | 99 |

C: Presence of this compound confirmed by second column,
however, the confirmation concentration differed from the reported
result by more than a factor of two

Lab #: 138635

BATCH QC REPORT



Curtis & Tompkins, Ltd.
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BTXE

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 47073
Units: ug/L
Diln Fac: 1

Prep Date: 03/29/99
Analysis Date: 03/29/99

MB Lab ID: QC93903

| Analyte | Result | |
|--------------------|--------|-----------------|
| MTBE | <2.0 | |
| Benzene | <0.5 | |
| Toluene | <0.5 | |
| Ethylbenzene | <0.5 | |
| m,p-Xylenes | <0.5 | |
| o-Xylene | <0.5 | |
| Surrogate | %Rec | Recovery Limits |
| Trifluorotoluene | 106 | 51-143 |
| Bromofluorobenzene | 98 | 37-146 |

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Lab #: 138635

BATCH QC REPORT

BTXE

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 47142
Units: ug/L
Diln Fac: 1

Prep Date: 03/31/99
Analysis Date: 03/31/99

MB Lab ID: QC94166

| Analyte | Result | |
|--------------------|--------|-----------------|
| MTBE | <2.0 | |
| Benzene | <0.5 | |
| Toluene | <0.5 | |
| Ethylbenzene | <0.5 | |
| m,p-Xylenes | <0.5 | |
| o-Xylene | <0.5 | |
| Surrogate | %Rec | Recovery Limits |
| Trifluorotoluene | 82 | 51-143 |
| Bromofluorobenzene | 82 | 37-146 |

Lab #: 138635

BATCH QC REPORT

Curtis & Tompkins, Ltd.
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BTXE

Client: Subsurface Consultants
 Project#: 447.055
 Location: Connell Olds

Analysis Method: EPA 8021B
 Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
 Batch#: 47073
 Units: ug/L
 Diln Fac: 1

Prep Date: 03/29/99
 Analysis Date: 03/29/99

LCS Lab ID: QC93902

| Analyte | Result | Spike Added | %Rec # | Limits |
|--------------------|--------|-------------|--------|--------|
| MTBE | 15.66 | 20 | 78 | 65-135 |
| Benzene | 18.74 | 20 | 94 | 65-111 |
| Toluene | 19.77 | 20 | 99 | 76-117 |
| Ethylbenzene | 20.19 | 20 | 101 | 71-121 |
| m,p-Xylenes | 41.09 | 40 | 103 | 80-123 |
| o-Xylene | 20.53 | 20 | 103 | 75-127 |
| Surrogate | %Rec | | | Limits |
| Trifluorotoluene | 107 | | 51-143 | |
| Bromofluorobenzene | 98 | | 37-146 | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

Lab #: 138635

BATCH QC REPORT

Curtis & Tompkins, Ltd.
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BTXE

Client: Subsurface Consultants
 Project#: 447.055
 Location: Connell Olds

Analysis Method: EPA 8021B
 Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
 Batch#: 47142
 Units: ug/L
 Diln Fac: 1

Prep Date: 03/31/99
 Analysis Date: 03/31/99

LCS Lab ID: QC94165

| Analyte | Result | Spike Added | %Rec # | Limits |
|--------------------|--------|-------------|--------|--------|
| MTBE | 15.75 | 20 | 79 | 65-135 |
| Benzene | 16.97 | 20 | 85 | 65-111 |
| Toluene | 18.74 | 20 | 94 | 76-117 |
| Ethylbenzene | 19.08 | 20 | 95 | 71-121 |
| m,p-Xylenes | 40.07 | 40 | 100 | 80-123 |
| o-Xylene | 18.82 | 20 | 94 | 75-127 |
| Surrogate | %Rec | | Limits | |
| Trifluorotoluene | 85 | | 51-143 | |
| Bromofluorobenzene | 86 | | 37-146 | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits



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Lab #: 138635

BATCH QC REPORT

BTXE

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZ
Lab ID: 138665-001
Matrix: Water
Batch#: 47142
Units: ug/L
Diln Fac: 1

Sample Date: 03/29/99
Received Date: 03/29/99
Prep Date: 03/31/99
Analysis Date: 03/31/99

MS Lab ID: QC94167

| Analyte | Spike Added | Sample | MS | %Rec # | Limits |
|--------------------|-------------|--------|--------|--------|--------|
| MTBE | 20 | <2 | 17.16 | 86 | 65-135 |
| Benzene | 20 | <0.5 | 17.77 | 89 | 55-122 |
| Toluene | 20 | <0.5 | 19.71 | 99 | 63-139 |
| Ethylbenzene | 20 | <0.5 | 20.05 | 100 | 61-137 |
| m,p-Xylenes | 40 | <0.5 | 42.12 | 105 | 57-148 |
| o-Xylene | 20 | <0.5 | 19.85 | 99 | 70-141 |
| Surrogate | %Rec | | Limits | | |
| Trifluorotoluene | 90 | | 51-143 | | |
| Bromofluorobenzene | 91 | | 37-146 | | |

MSD Lab ID: QC94168

| Analyte | Spike Added | MSD | %Rec # | Limits | RPD # | Limit |
|--------------------|-------------|-------|--------|--------|-------|-------|
| MTBE | 20 | 17.55 | 88 | 65-135 | 2 | 20 |
| Benzene | 20 | 17.92 | 90 | 55-122 | 1 | 10 |
| Toluene | 20 | 19.9 | 100 | 63-139 | 1 | 10 |
| Ethylbenzene | 20 | 20.27 | 101 | 61-137 | 1 | 10 |
| m,p-Xylenes | 40 | 42.52 | 106 | 57-148 | 1 | 10 |
| o-Xylene | 20 | 20.21 | 101 | 70-141 | 2 | 10 |
| Surrogate | %Rec | | Limits | | | |
| Trifluorotoluene | 89 | | 51-143 | | | |
| Bromofluorobenzene | 91 | | 37-146 | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits



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TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 3520

| Sample # | Client ID | Batch # | Sampled | Extracted | Analyzed | Moisture |
|------------|-----------|---------|----------|-----------|----------|----------|
| 138635-001 | MW-9 | 47065 | 03/25/99 | 03/26/99 | 04/01/99 | |
| 138635-002 | MW-4 | 47065 | 03/26/99 | 03/26/99 | 04/01/99 | |
| 138635-003 | MW-7 | 47065 | 03/26/99 | 03/26/99 | 04/01/99 | |

Matrix: Water

| Analyte | Units | 138635-001 | 138635-002 | 138635-003 |
|----------------|-------|------------|------------|------------|
| Diln Fac: | | 1 | 2 | 1 |
| Diesel C10-C24 | ug/L | 630 YL | 14000 YL | <50 |
| Surrogate | | | | |
| Hexacosane | %REC | 86 | 98 | 99 |

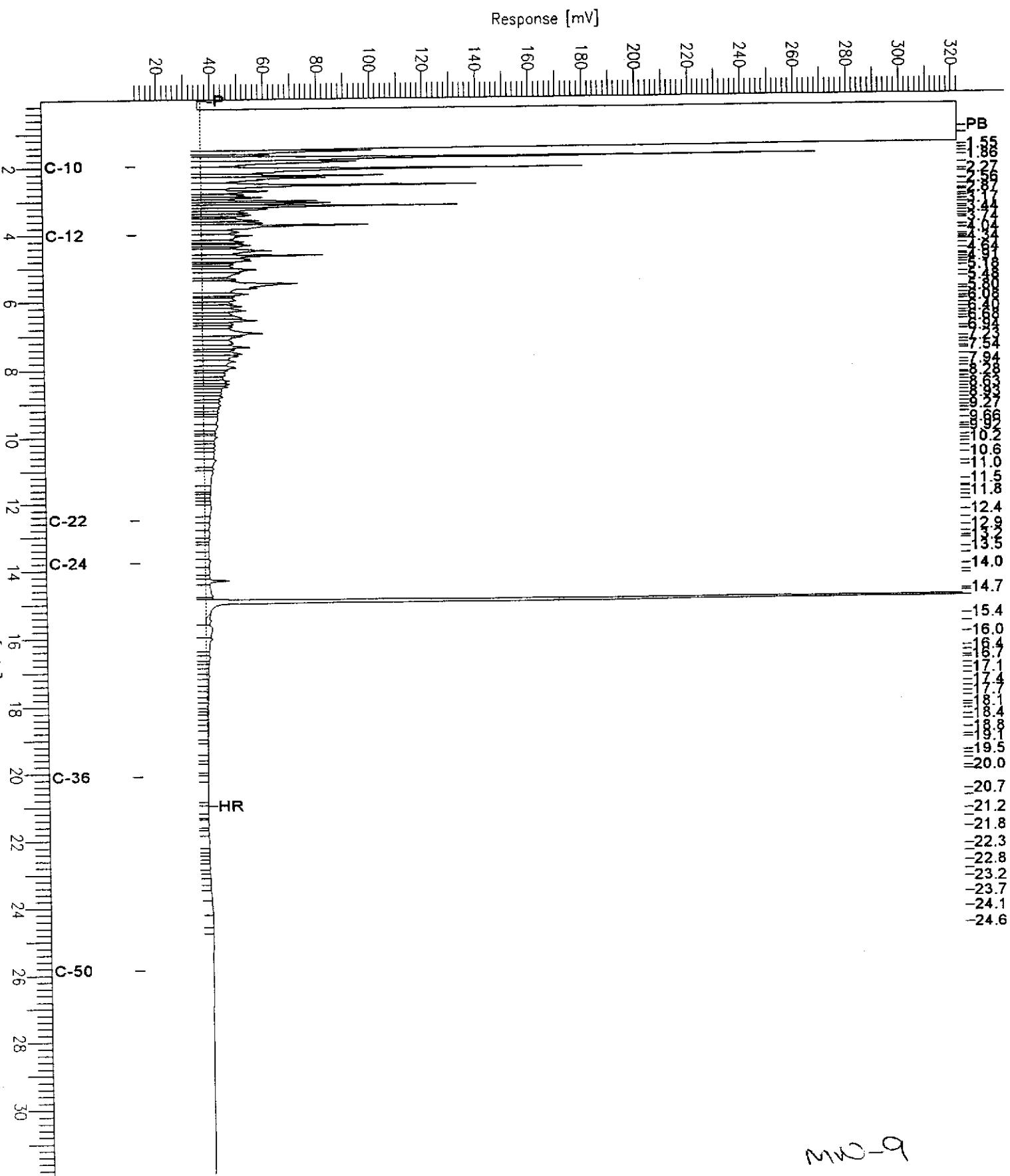
Y: Sample exhibits fuel pattern which does not resemble standard

L: Lighter hydrocarbons than indicated standard

Chromatogram

Sample Name : 138635-001,47065
File Name : G:\GC15\CHB\089B048.RAW
Method : B082TEH.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 12 mV

Sample #: 47065 Page 1 of 1
Date : 4/1/99 10:19 AM
Time of Injection: 4/1/99 05:20 AM
Low Point : 11.99 mV High Point : 322.17 mV
Plot Scale: 310.2 mV

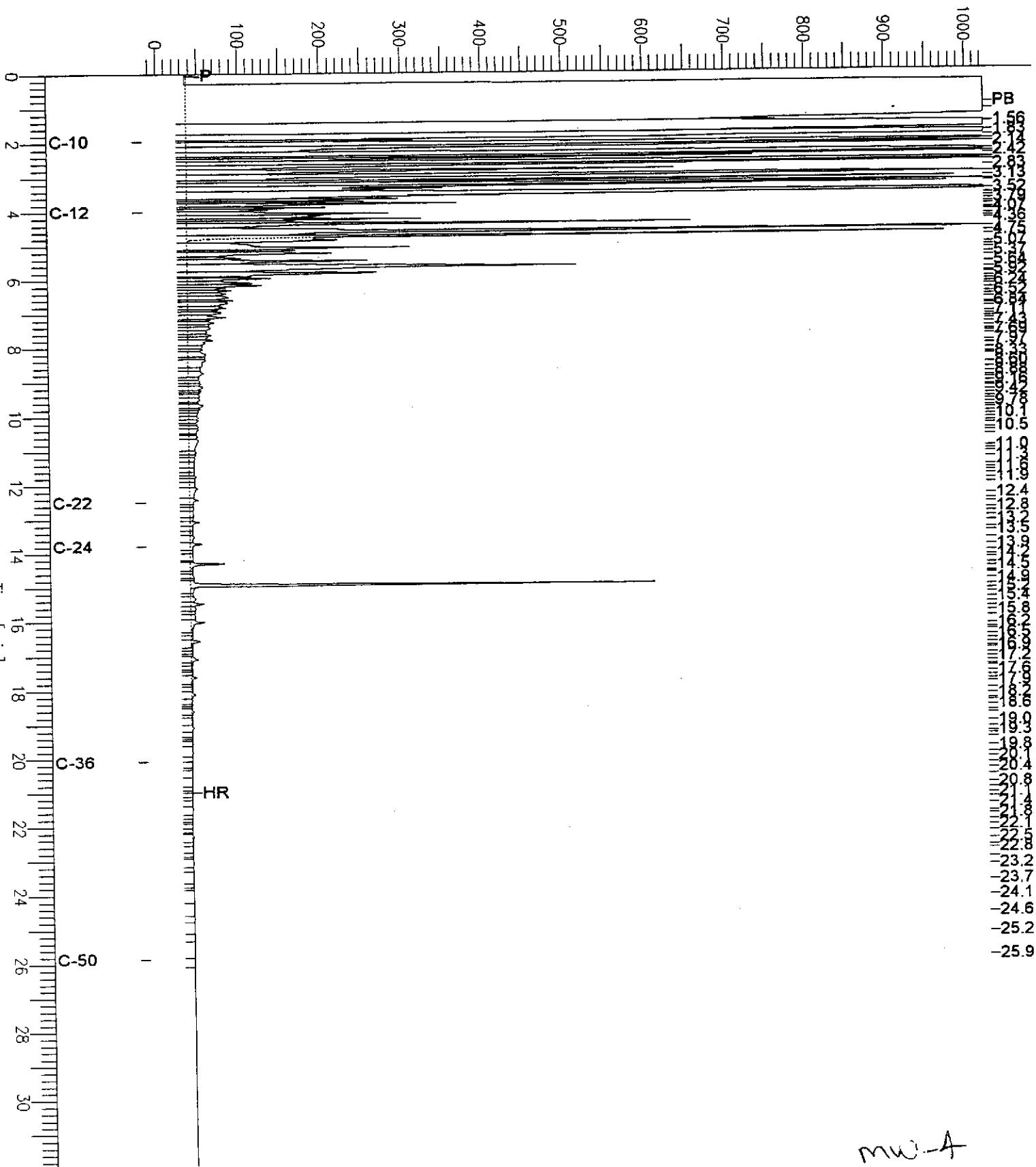


Chromatogram

Sample Name : 138635-002,47065
File Name : G:\GC15\CHB\089B049.RAW
Method : B082TEH.MTH
Start Time : 0.00 min End Time : 31.90 min
Scale Factor: 0.0 Plot Offset: -17 mV

Sample #: 47065 Page 1 of 1
Date : 4/1/99 10:21 AM
Time of Injection: 4/1/99 06:03 AM
Low Point : -16.90 mV High Point : 1024.00 mV
Plot Scale: .1040.9 mV

Response [mV]





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Lab #: 138635

BATCH QC REPORT

TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 47065
Units: ug/L
Diln Fac: 1

Prep Date: 03/26/99
Analysis Date: 03/31/99

MB Lab ID: QC93878

| Analyte | Result | |
|----------------|--------|-----------------|
| Diesel C10-C24 | <50 | |
| Surrogate | %Rec | Recovery Limits |
| Hexacosane | 102 | 58-128 |



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Lab #: 138635

BATCH QC REPORT

TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 47065
Units: ug/L
Diln Fac: 1

Prep Date: 03/26/99
Analysis Date: 04/01/99

BS Lab ID: QC93879

| Analyte | Spike Added | BS | %Rec # | Limits |
|----------------|-------------|------|--------|--------|
| Diesel C10-C24 | 2475 | 1895 | 77 | 50-114 |
| Surrogate | %Rec | | Limits | |
| Hexacosane | 91 | | 58-128 | |

BSD Lab ID: QC93880

| Analyte | Spike Added | BSD | %Rec # | Limits | RPD # | Limit |
|----------------|-------------|------|--------|--------|-------|-------|
| Diesel C10-C24 | 2475 | 1798 | 73 | 50-114 | 5 | 25 |
| Surrogate | %Rec | | Limits | | | |
| Hexacosane | 93 | | 58-128 | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

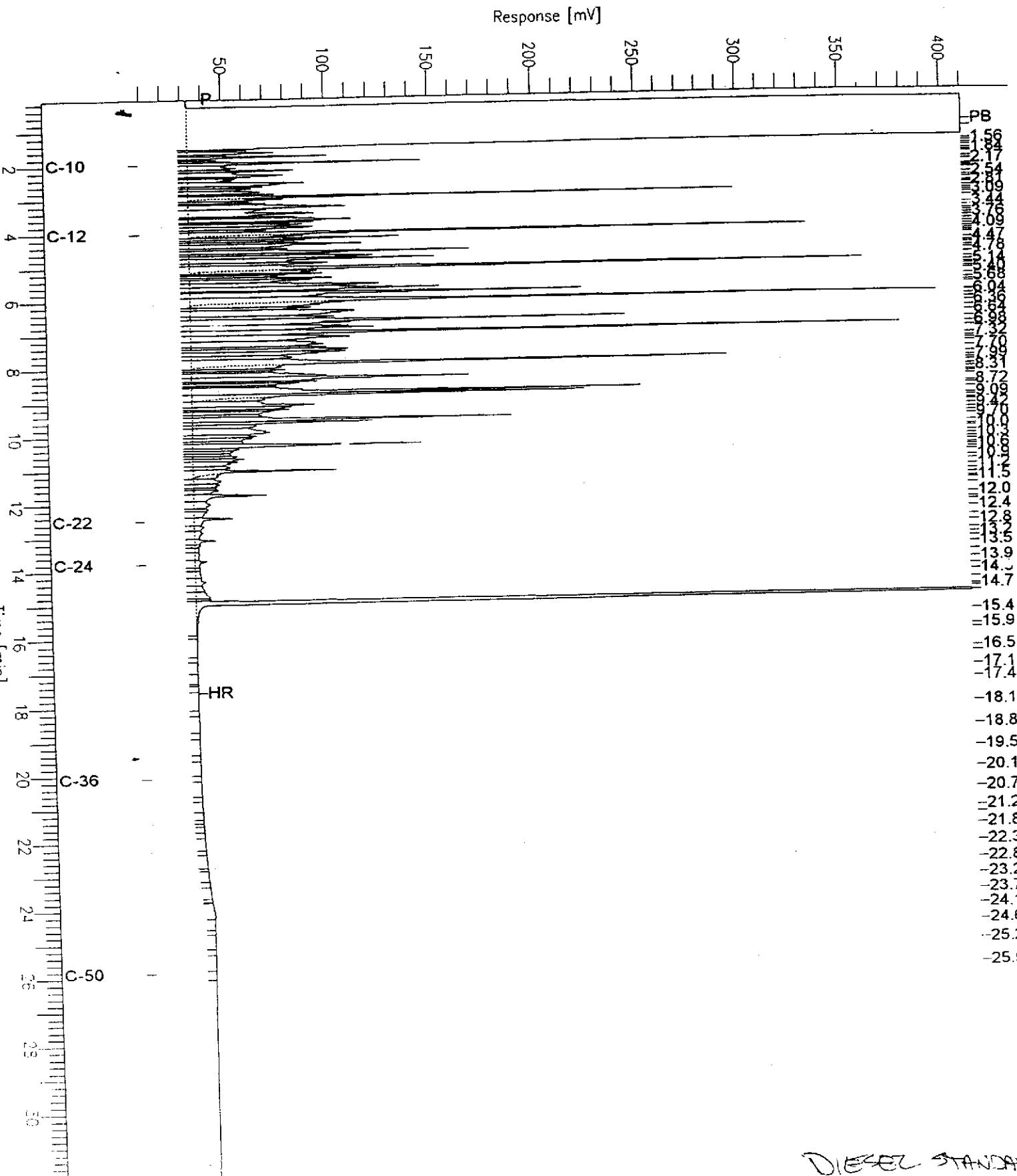
RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

Chromatogram

Sample Name : ccv_99ws7216.dsl
FileName : G:\GC15\CHB\089B002.RAW
Method : B082TEH.MTH
Start Time : 0.09 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 9 mV

Sample #: 500mg/l Page 1 of 1
Date : 3/31/99 04:09 PM
Time of Injection: 3/30/99 06:04 PM
Low Point : 9.17 mV High Point : 410.30 mV
Plot Scale: 401.1 mV



DIESEL STANDARD



Volatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: MW-9
Lab ID: 138635-001
Matrix: Water
Batch#: 47081
Units: ug/L
Diln Fac: 4

Sampled: 03/25/99
Received: 03/26/99
Extracted: 03/29/99
Analyzed: 03/29/99

| Analyte | Result | Reporting Limit |
|---------------------------|--------|-----------------|
| Freon 12 | ND | 40 |
| Chloromethane | ND | 40 |
| Vinyl Chloride | ND | 40 |
| Bromomethane | ND | 40 |
| Chloroethane | ND | 40 |
| Trichlorofluoromethane | ND | 20 |
| Acetone | ND | 80 |
| Freon 113 | ND | 20 |
| 1,1-Dichloroethene | ND | 20 |
| Methylene Chloride | ND | 80 |
| Carbon Disulfide | ND | 20 |
| trans-1,2-Dichloroethene | ND | 20 |
| Vinyl Acetate | ND | 200 |
| 1,1-Dichloroethane | ND | 20 |
| 2-Butanone | ND | 40 |
| cis-1,2-Dichloroethene | ND | 20 |
| 2,2-Dichloropropane | ND | 20 |
| Chloroform | ND | 20 |
| Bromoform | ND | 40 |
| 1,1,1-Trichloroethane | ND | 20 |
| 1,1-Dichloropropene | ND | 20 |
| Carbon Tetrachloride | ND | 20 |
| 1,2-Dichloroethane | 550 | 20 |
| Benzene | 130 | 20 |
| Trichloroethene | ND | 20 |
| 1,2-Dichloropropane | ND | 20 |
| Bromodichloromethane | ND | 20 |
| Dibromomethane | ND | 20 |
| 4-Methyl-2-Pentanone | ND | 40 |
| cis-1,3-Dichloropropene | ND | 20 |
| Toluene | ND | 20 |
| trans-1,3-Dichloropropene | ND | 20 |
| 1,1,2-Trichloroethane | ND | 20 |
| 2-Hexanone | ND | 40 |
| 1,3-Dichloropropane | ND | 20 |
| Tetrachloroethene | ND | 20 |
| Dibromochloromethane | ND | 20 |
| 1,2-Dibromoethane | ND | 20 |



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Volatile Organics by GC/MS

Field ID: MW-9
Lab ID: 138635-001
Matrix: Water
Batch#: 47081
Units: ug/L
Diln Fac: 4

Sampled: 03/25/99
Received: 03/26/99
Extracted: 03/29/99
Analyzed: 03/29/99

| Analyte | Result | Reporting Limit |
|-----------------------------|-----------|-----------------|
| Chlorobenzene | ND | 20 |
| 1,1,1,2-Tetrachloroethane | ND | 20 |
| Ethylbenzene | ND | 20 |
| m,p-Xylenes | ND | 20 |
| o-Xylene | ND | 20 |
| Styrene | ND | 20 |
| Bromoform | ND | 20 |
| Isopropylbenzene | ND | 20 |
| 1,1,2,2-Tetrachloroethane | ND | 20 |
| 1,2,3-Trichloropropane | ND | 20 |
| Propylbenzene | ND | 20 |
| Bromobenzene | ND | 20 |
| 1,3,5-Trimethylbenzene | ND | 20 |
| 2-Chlorotoluene | ND | 20 |
| 4-Chlorotoluene | ND | 20 |
| tert-Butylbenzene | ND | 20 |
| 1,2,4-Trimethylbenzene | ND | 20 |
| sec-Butylbenzene | ND | 20 |
| para-Isopropyl Toluene | ND | 20 |
| 1,3-Dichlorobenzene | ND | 20 |
| 1,4-Dichlorobenzene | ND | 20 |
| n-Butylbenzene | ND | 20 |
| 1,2-Dichlorobenzene | ND | 20 |
| 1,2-Dibromo-3-Chloropropane | ND | 20 |
| 1,2,4-Trichlorobenzene | ND | 20 |
| Hexachlorobutadiene | ND | 20 |
| Naphthalene | ND | 20 |
| 1,2,3-Trichlorobenzene | ND | 20 |
| Surrogate | %Recovery | Recovery Limits |
| Dibromofluoromethane | 118 | 81-121 |
| 1,2-Dichloroethane-d4 | 118 | 76-127 |
| Toluene-d8 | 100 | 90-109 |
| Bromofluorobenzene | 110 | 82-118 |



Volatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: MW-4
Lab ID: 138635-002
Matrix: Water
Batch#: 47067
Units: ug/L
Diln Fac: 16.67

Sampled: 03/26/99
Received: 03/26/99
Extracted: 03/29/99
Analyzed: 03/29/99

| Analyte | Result | Reporting Limit |
|---------------------------|--------|-----------------|
| Freon 12 | ND | 170 |
| Chloromethane | ND | 170 |
| Vinyl Chloride | ND | 170 |
| Bromomethane | ND | 170 |
| Chloroethane | ND | 170 |
| Trichlorofluoromethane | ND | 83 |
| Acetone | 830 | 330 |
| Freon 113 | ND | 83 |
| 1,1-Dichloroethene | ND | 83 |
| Methylene Chloride | ND | 330 |
| Carbon Disulfide | ND | 83 |
| trans-1,2-Dichloroethene | ND | 83 |
| Vinyl Acetate | ND | 830 |
| 1,1-Dichloroethane | ND | 83 |
| 2-Butanone | ND | 170 |
| cis-1,2-Dichloroethene | ND | 83 |
| 2,2-Dichloropropane | ND | 83 |
| Chloroform | ND | 83 |
| Bromochloromethane | ND | 170 |
| 1,1,1-Trichloroethane | ND | 83 |
| 1,1-Dichloropropene | ND | 83 |
| Carbon Tetrachloride | ND | 83 |
| 1,2-Dichloroethane | 210 | 83 |
| Benzene | 16000 | 1000 |
| Trichloroethene | ND | 83 |
| 1,2-Dichloropropane | ND | 83 |
| Bromodichloromethane | ND | 83 |
| Dibromomethane | ND | 83 |
| 4-Methyl-2-Pentanone | ND | 170 |
| cis-1,3-Dichloropropene | ND | 83 |
| Toluene | 30000 | 1000 |
| trans-1,3-Dichloropropene | ND | 83 |
| 1,1,2-Trichloroethane | ND | 83 |
| 2-Hexanone | ND | 170 |
| 1,3-Dichloropropane | ND | 83 |
| Tetrachloroethene | ND | 83 |
| Dibromochloromethane | ND | 83 |
| 1,2-Dibromoethane | 530 | 83 |



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Volatile Organics by GC/MS

Field ID: MW-4
Lab ID: 138635-002
Matrix: Water
Batch#: 47067
Units: ug/L
Diln Fac: 16.67

Sampled: 03/26/99
Received: 03/26/99
Extracted: 03/29/99
Analyzed: 03/29/99

| Analyte | Result | Reporting Limit |
|-----------------------------|-----------|-----------------|
| Chlorobenzene | ND | 83 |
| 1,1,1,2-Tetrachloroethane | ND | 83 |
| Ethylbenzene | 1900 | 83 |
| m,p-Xylenes | 11000 | 1000 |
| o-Xylene | 4100 | 1000 |
| Styrene | 120 | 83 |
| Bromoform | ND | 83 |
| Isopropylbenzene | 95 | 83 |
| 1,1,2,2-Tetrachloroethane | ND | 83 |
| 1,2,3-Trichloropropane | ND | 83 |
| Propylbenzene | 250 | 83 |
| Bromobenzene | ND | 83 |
| 1,3,5-Trimethylbenzene | 1300 | 83 |
| 2-Chlorotoluene | 140 | 83 |
| 4-Chlorotoluene | ND | 83 |
| tert-Butylbenzene | ND | 83 |
| 1,2,4-Trimethylbenzene | 5300 | 1000 |
| sec-Butylbenzene | ND | 1000 |
| para-Isopropyl Toluene | ND | 83 |
| 1,3-Dichlorobenzene | ND | 83 |
| 1,4-Dichlorobenzene | ND | 83 |
| n-Butylbenzene | 100 | 83 |
| 1,2-Dichlorobenzene | ND | 83 |
| 1,2-Dibromo-3-Chloropropane | ND | 83 |
| 1,2,4-Trichlorobenzene | ND | 83 |
| Hexachlorobutadiene | ND | 83 |
| Naphthalene | 1100 | 83 |
| 1,2,3-Trichlorobenzene | ND | 83 |
| Surrogate | %Recovery | Recovery Limits |
| Dibromofluoromethane | 114 | 81-121 |
| 1,2-Dichloroethane-d4 | 114 | 76-127 |
| Toluene-d8 | 101 | 90-109 |
| Bromofluorobenzene | 102 | 82-118 |



Volatile Organics by GC/MS

Client: Subsurface Consultants
Project #: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: MW-7
Lab ID: 138635-003
Matrix: Water
Batch #: 47067
Units: ug/L
Diln Fac: 1

Sampled: 03/26/99
Received: 03/26/99
Extracted: 03/29/99
Analyzed: 03/29/99

| Analyte | Result | Reporting Limit |
|---------------------------|--------|-----------------|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |



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Page 2 of 2

| Volatile Organics by GC/MS | | | |
|-----------------------------|------------|-----------------|----------|
| Field ID: | MW-7 | Sampled: | 03/26/99 |
| Lab ID: | 138635-003 | Received: | 03/26/99 |
| Matrix: | Water | Extracted: | 03/29/99 |
| Batch#: | 47067 | Analyzed: | 03/29/99 |
| Units: | ug/L | | |
| Diln Fac: | 1 | | |
| Analyte | Result | Reporting Limit | |
| Chlorobenzene | ND | 5.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | |
| Ethylbenzene | ND | 5.0 | |
| m,p-Xylenes | ND | 5.0 | |
| o-Xylene | ND | 5.0 | |
| Styrene | ND | 5.0 | |
| Bromoform | ND | 5.0 | |
| Isopropylbenzene | ND | 5.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | |
| 1,2,3-Trichloropropane | ND | 5.0 | |
| Propylbenzene | ND | 5.0 | |
| Bromobenzene | ND | 5.0 | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | |
| 2-Chlorotoluene | ND | 5.0 | |
| 4-Chlorotoluene | ND | 5.0 | |
| tert-Butylbenzene | ND | 5.0 | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | |
| sec-Butylbenzene | ND | 5.0 | |
| para-Isopropyl Toluene | ND | 5.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | |
| 1,4-Dichlorobenzene | ND | 5.0 | |
| n-Butylbenzene | ND | 5.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | |
| Hexachlorobutadiene | ND | 5.0 | |
| Naphthalene | ND | 5.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | |
| Surrogate | %Recovery | Recovery Limits | |
| Dibromofluoromethane | 112 | 81-121 | |
| 1,2-Dichloroethane-d4 | 116 | 76-127 | |
| Toluene-d8 | 101 | 90-109 | |
| Bromofluorobenzene | 107 | 82-118 | |



Lab #: 138635

BATCH QC REPORT

EPA 8260 Volatile Organics

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 47067
Units: ug/L
Diln Fac: 1

Prep Date: 03/28/99
Analysis Date: 03/28/99

BS Lab ID: QC93885

| Analyte | Spike Added | BS | %Rec | # | Limits |
|-----------------------|-------------|-------|--------|---|--------|
| 1,1-Dichloroethene | 50 | 55.91 | 112 | | 64-139 |
| Benzene | 50 | 52.08 | 104 | | 71-127 |
| Trichloroethene | 50 | 51.78 | 104 | | 72-129 |
| Toluene | 50 | 50.31 | 101 | | 73-129 |
| Chlorobenzene | 50 | 49.47 | 99 | | 77-126 |
| Surrogate | %Rec | | Limits | | |
| Dibromofluoromethane | 111 | | 81-121 | | |
| 1,2-Dichloroethane-d4 | 113 | | 76-127 | | |
| Toluene-d8 | 100 | | 90-109 | | |
| Bromofluorobenzene | 103 | | 82-118 | | |

BSD Lab ID: QC93886

| Analyte | Spike Added | BSD | %Rec # | Limits | RPD # | Limit |
|-----------------------|-------------|-------|--------|--------|-------|-------|
| 1,1-Dichloroethene | 50 | 54.4 | 109 | 64-139 | 3 | 13 |
| Benzene | 50 | 51.49 | 103 | 71-127 | 1 | 10 |
| Trichloroethene | 50 | 50.87 | 102 | 72-129 | 2 | 10 |
| Toluene | 50 | 49.43 | 99 | 73-129 | 2 | 10 |
| Chlorobenzene | 50 | 48.31 | 97 | 77-126 | 2 | 10 |
| Surrogate | %Rec | | Limits | | | |
| Dibromofluoromethane | 111 | | 81-121 | | | |
| 1,2-Dichloroethane-d4 | 114 | | 76-127 | | | |
| Toluene-d8 | 100 | | 90-109 | | | |
| Bromofluorobenzene | 104 | | 82-118 | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits



Lab #: 138635

BATCH QC REPORT

EPA 8260 Volatile Organics

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 47081
Units: ug/L
Diln Fac: 1

Prep Date: 03/29/99
Analysis Date: 03/29/99

BS Lab ID: QC93936

| Analyte | Spike Added | BS | %Rec | # | Limits |
|-----------------------|-------------|-------|--------|---|--------|
| 1,1-Dichloroethene | 50 | 63.82 | 128 | | 64-139 |
| Benzene | 50 | 54.18 | 108 | | 71-127 |
| Trichloroethene | 50 | 54.2 | 108 | | 72-129 |
| Toluene | 50 | 53.01 | 106 | | 73-129 |
| Chlorobenzene | 50 | 51.71 | 103 | | 77-126 |
| Surrogate | %Rec | | Limits | | |
| Dibromofluoromethane | 114 | | 81-121 | | |
| 1,2-Dichloroethane-d4 | 116 | | 76-127 | | |
| Toluene-d8 | 101 | | 90-109 | | |
| Bromofluorobenzene | 103 | | 82-118 | | |

BSD Lab ID: QC93937

| Analyte | Spike Added | BSD | %Rec # | Limits | RPD # | Limit |
|-----------------------|-------------|-------|--------|--------|-------|-------|
| 1,1-Dichloroethene | 50 | 57.41 | 115 | 64-139 | 11 | 13 |
| Benzene | 50 | 52.97 | 106 | 71-127 | 2 | 10 |
| Trichloroethene | 50 | 53.43 | 107 | 72-129 | 1 | 10 |
| Toluene | 50 | 52.24 | 104 | 73-129 | 1 | 10 |
| Chlorobenzene | 50 | 50.58 | 101 | 77-126 | 2 | 10 |
| Surrogate | %Rec | | Limits | | | |
| Dibromofluoromethane | 114 | | 81-121 | | | |
| 1,2-Dichloroethane-d4 | 116 | | 76-127 | | | |
| Toluene-d8 | 100 | | 90-109 | | | |
| Bromofluorobenzene | 104 | | 82-118 | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900, Fax (510) 486-0532

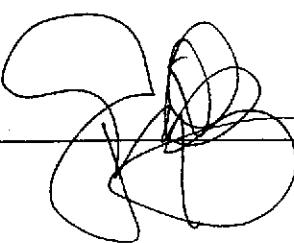
A N A L Y T I C A L R E P O R T

Prepared for:

Subsurface Consultants
3736 Mt. Diablo Blvd.
Suite 200
Lafayette, CA 94549

Date: 28-APR-99
Lab Job Number: 138732
Project ID: 447.055
Location: Connell Olds

Reviewed by: 

Reviewed by: 

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CHAIN OF CUSTODY FORM

138732

PROJECT NAME: Cannell Oldsmobile
JOB NUMBER: 443.055 LAB: C+T
PROJECT CONTACT: Meg Mendoza TURNAROUND: Normal
SAMPLED BY: John Wolfe REQUESTED BY: John Wolfe

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| CHAIN OF CUSTODY RECORD | | | | COMMENTS & NOTES: |
|--------------------------|-------------|--------------------------|-------------|-------------------|
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| <i>John Wolfe</i> | 3/8/99 1200 | <i>John L. Anderson</i> | 3/8/99 2:15 | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
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Subsurface Consultants, Inc.
171 - 12th Street, Suite 202, Oakland, CA 94607
(510) 268-0461 - FAX: (510) 268-0137
3736 Mt. Diablo Blvd., Ste. 200, Lafayette, CA 94549
(925) 299-7960 - (925) 299-7970



Curtis & Tompkins, Ltd.
Page 1 of 1

TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

| Sample # | Client ID | Batch # | Sampled | Extracted | Analyzed | Moisture |
|------------|-----------|---------|----------|-----------|----------|----------|
| 138732-001 | MW-13 | 47199 | 03/30/99 | 04/03/99 | 04/03/99 | |
| 138732-002 | MW-8 | 47199 | 03/31/99 | 04/03/99 | 04/03/99 | |

Matrix: Water

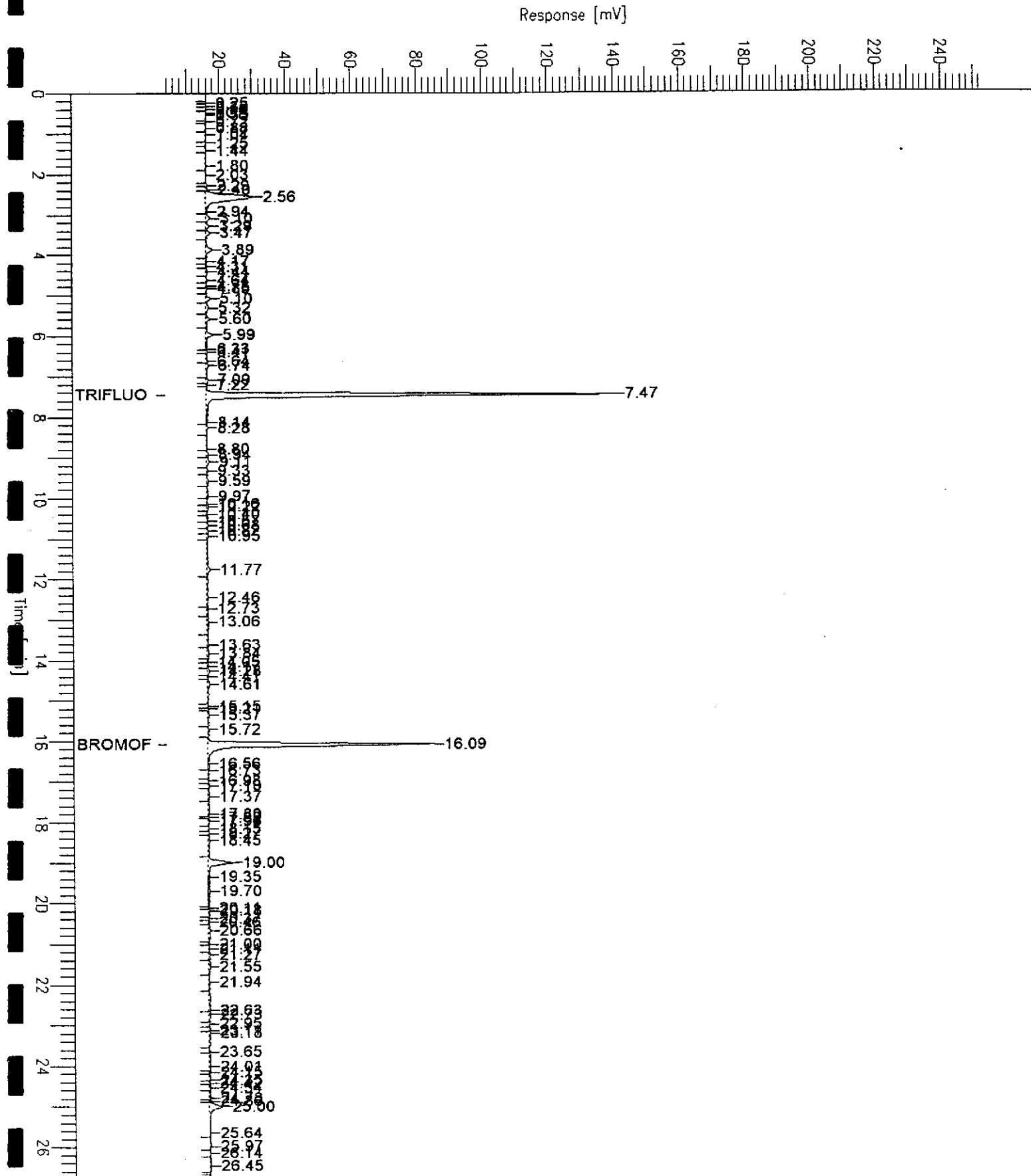
| Analyte | Units | 138732-001 | 138732-002 |
|--------------------|-------|------------|------------|
| Diln Fac: | | 1 | 1 |
| Gasoline C7-C12 | ug/L | 54 | 130 Z |
| Surrogate | | | |
| Trifluorotoluene | %REC | 77 | 86 |
| Bromofluorobenzene | %REC | 77 | 93 |

Z: Sample exhibits unknown single peak or peaks

GC19 TVH 'X' Data File (FID)

Sample Name : 138732-001,47199
File Name : G:\GC19\DATA\092X021.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 3 mV

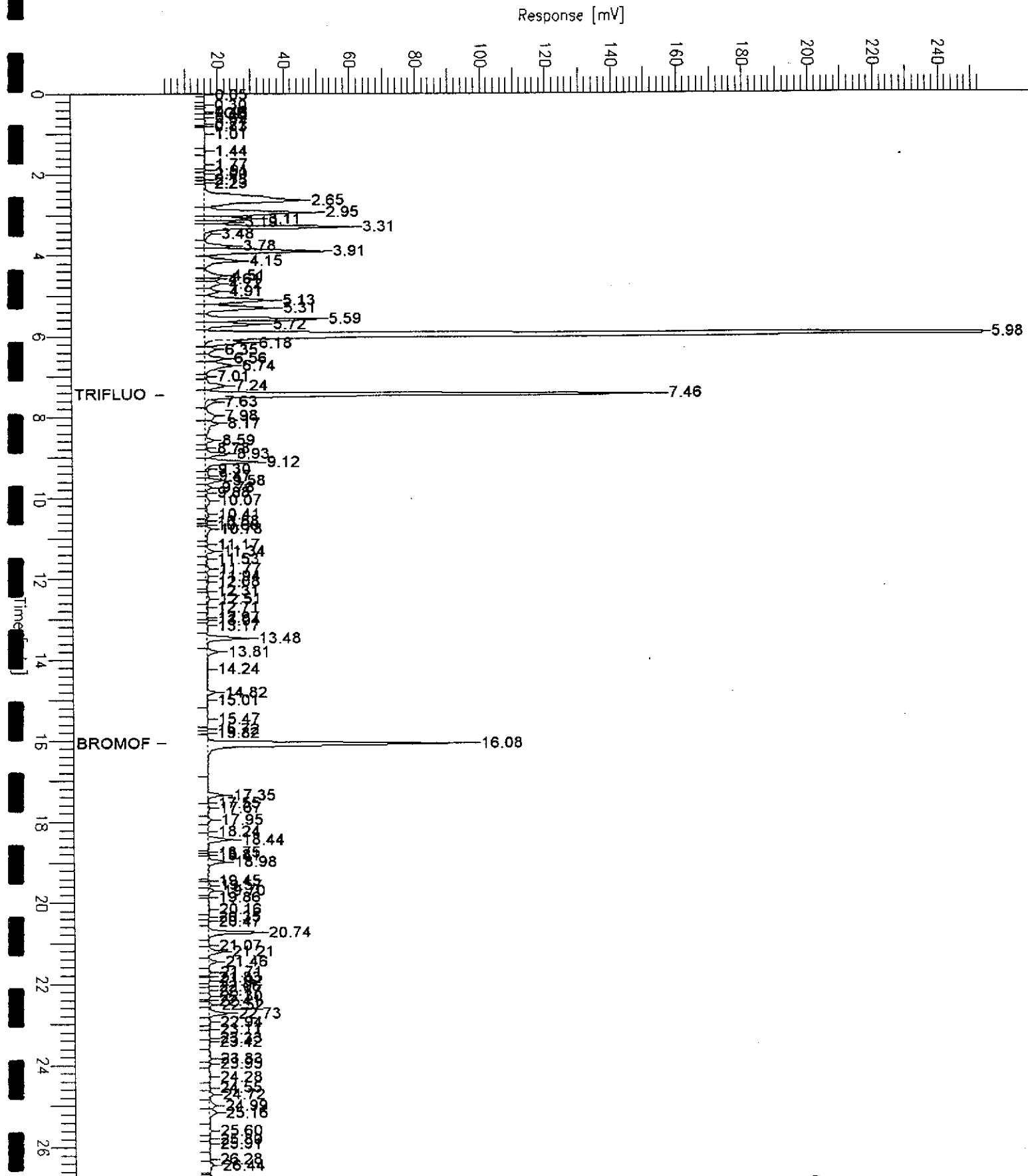
Sample #: Page 1 of 1
Date : 4/3/99 10:15 AM
Time of Injection: 4/3/99 09:48 AM
Low Point : 3.35 mV High Point : 253.35 mV
Plot Scale: 250.0 mV



GC19 TVH 'X' Data File (FID)

Sample Name : 138732-002, 47199
 File Name : G:\GC19\DATA\092X022.raw
 Method : TVHBTXE
 Start Time : 0.00 min End Time : 26.80 min
 Scale Factor: -1.0 Plot Offset: 3 mV

Sample #: Page 1 of 1
 Date : 4/3/99 05:43 PM
 Time of Injection: 4/3/99 10:28 AM
 Low Point : 3.34 mV High Point : 253.34 mV
 Plot Scale: 250.0 mV



Lab #: 138732

BATCH QC REPORT



Curtis & Tompkins, Ltd.
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TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

METHOD BLANK

Matrix: Water
Batch#: 47199
Units: ug/L
Diln Fac: 1

Prep Date: 04/02/99
Analysis Date: 04/02/99

MB Lab ID: QC94374

| Analyte | Result | |
|--------------------|--------|-----------------|
| Gasoline C7-C12 | <50 | |
| Surrogate | %Rec | Recovery Limits |
| Trifluorotoluene | 85 | 53-150 |
| Bromofluorobenzene | 81 | 53-149 |



Lab #: 138732

BATCH QC REPORT

TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 47199
Units: ug/L
Diln Fac: 1

Prep Date: 04/02/99
Analysis Date: 04/02/99

LCS Lab ID: QC94372

| Analyte | Result | Spike Added | %Rec # | Limits |
|--------------------|--------|-------------|--------|--------|
| Gasoline C7-C12 | 1760 | 2000 | 88 | 77-117 |
| Surrogate | %Rec | | Limits | |
| Trifluorotoluene | 95 | | 53-150 | |
| Bromofluorobenzene | 103 | | 53-149 | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits



Lab #: 138732

BATCH QC REPORT

TVH-Total Volatile Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

| | |
|--------------------|-------------------------|
| Field ID: ZZZZZZ | Sample Date: 03/31/99 |
| Lab ID: 138708-010 | Received Date: 03/31/99 |
| Matrix: Water | Prep Date: 04/03/99 |
| Batch#: 47199 | Analysis Date: 04/03/99 |
| Units: ug/L | |
| Diln Fac: 1 | |

MS Lab ID: QC94375

| Analyte | Spike Added | Sample | MS | %Rec # | Limits |
|--------------------|-------------|--------|--------|--------|--------|
| Gasoline C7-C12 | 2000 | 201.9 | 2038 | 92 | 69-131 |
| Surrogate | %Rec | | Limits | | |
| Trifluorotoluene | 88 | | 53-150 | | |
| Bromofluorobenzene | 103 | | 53-149 | | |

MSD Lab ID: QC94376

| Analyte | Spike Added | MSD | %Rec # | Limits | RPD # | Limit |
|--------------------|-------------|------|--------|--------|-------|-------|
| Gasoline C7-C12 | 2000 | 2064 | 93 | 69-131 | 1 | 13 |
| Surrogate | %Rec | | Limits | | | |
| Trifluorotoluene | 84 | | 53-150 | | | |
| Bromofluorobenzene | 102 | | 53-149 | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

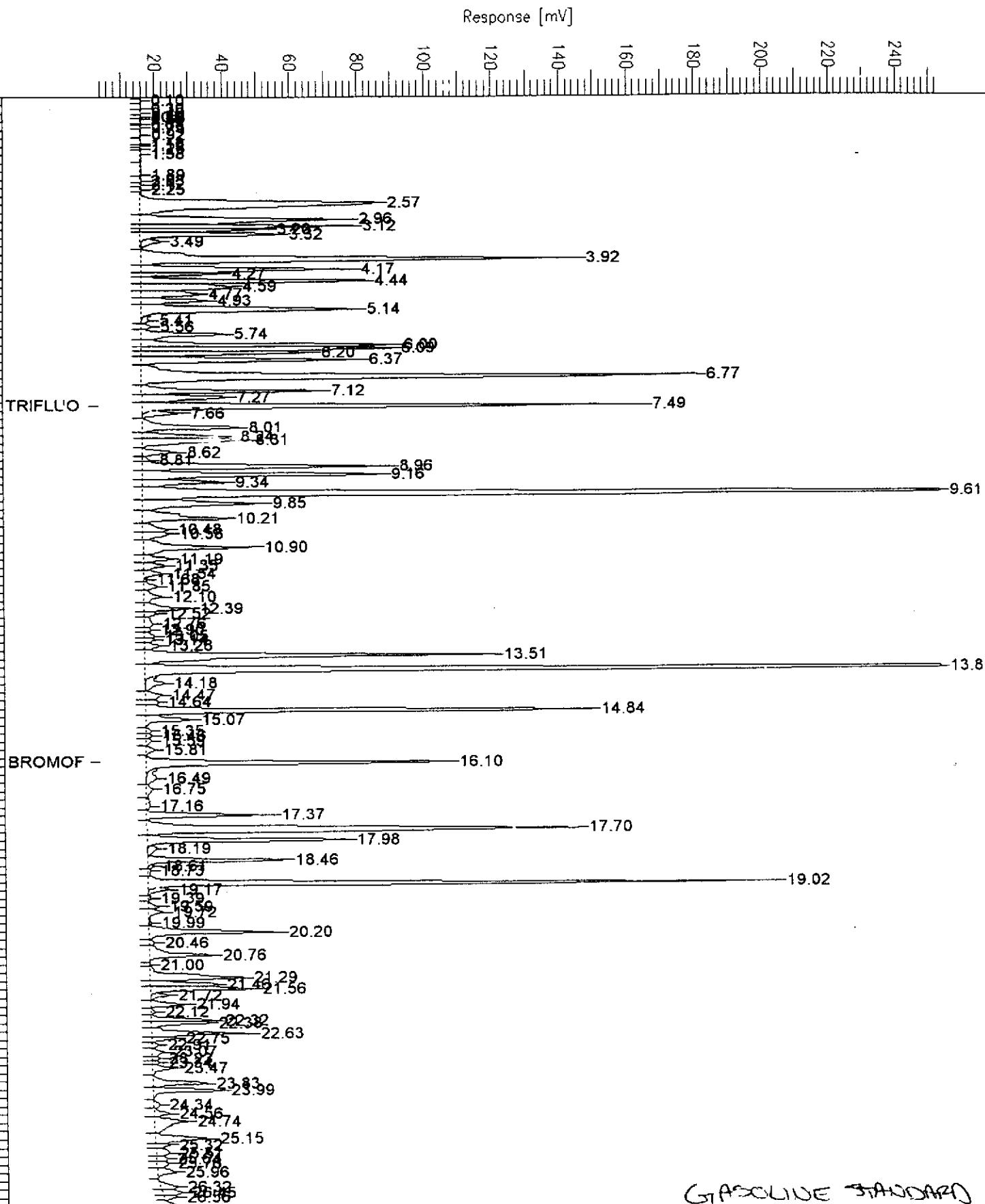
GC19 TVH 'X' Data File (FID)

Sample Name : CCV/LCS,QC94372,99WS7170,47199
 File Name : G:\GC19\DATA\092X002.raw
 Method : TVHBTXE
 Start Time : 0.00 min
 Scale Factor: -1.0

End Time : 26.80 min
 Plot Offset: 3 mV

Sample #: GAS
 Date : 4/2/99 07:17 PM
 Time of Injection: 4/2/99 06:50 PM
 Low Point : 3.35 mV High Point : 253.35 mV
 Plot Scale: 250.0 mV

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Curtis & Tompkins, Ltd.
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BTXE

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

| Sample # | Client ID | Batch # | Sampled | Extracted | Analyzed | Moisture |
|------------|-----------|---------|----------|-----------|----------|----------|
| 138732-001 | MW-13 | 47199 | 03/30/99 | 04/03/99 | 04/03/99 | |
| 138732-002 | MW-8 | 47199 | 03/31/99 | 04/03/99 | 04/03/99 | |

Matrix: Water

| Analyte | Units | 138732-001 | 138732-002 |
|--------------------|-------|------------|------------|
| Diln Fac: | | 1 | 1 |
| MTBE | ug/L | <2 | 4.4 |
| Benzene | ug/L | 0.56 | 170 |
| Toluene | ug/L | <0.5 | 1.5 |
| Ethylbenzene | ug/L | <0.5 | 4.1 |
| m,p-Xylenes | ug/L | <0.5 | 1.2 |
| o-Xylene | ug/L | <0.5 | 0.74 |
| Surrogate | | | |
| Trifluorotoluene | %REC | 68 | 77 |
| Bromofluorobenzene | %REC | 70 | 82 |



Lab #: 138732

BATCH QC REPORT

BTXE

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

METHOD: BLANK

Matrix: Water
Batch#: 47199
Units: ug/L
Diln Fac: 1

Prep Date: 04/02/99
Analysis Date: 04/02/99

MB Lab ID: QC94374

| Analyte | Result | |
|--------------------|--------|-----------------|
| MTBE | <2.0 | |
| Benzene | <0.5 | |
| Toluene | <0.5 | |
| Ethylbenzene | <0.5 | |
| m,p-Xylenes | <0.5 | |
| o-Xylene | <0.5 | |
| Surrogate | %Rec | Recovery Limits |
| Trifluorotoluene | 78 | 51-143 |
| Bromofluorobenzene | 77 | 37-146 |



Lab #: 138732

BATCH QC REPORT

BTXE

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8021B
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 47199
Units: ug/L
Diln Fac: 1

Prep Date: 04/02/99
Analysis Date: 04/02/99

LCS Lab ID: QC94373

| Analyte | Result | Spike Added | %Rec # | Limits |
|--------------------|--------|-------------|--------|--------|
| MTBE | 16.47 | 20 | 82 | 65-135 |
| Benzene | 16.94 | 20 | 85 | 65-111 |
| Toluene | 19.09 | 20 | 95 | 76-117 |
| Ethylbenzene | 19.5 | 20 | 98 | 71-121 |
| m,p-Xylenes | 40.64 | 40 | 102 | 80-123 |
| o-Xylene | 19.14 | 20 | 96 | 75-127 |
| Surrogate | %Rec | | Limits | |
| Trifluorotoluene | 84 | | 51-143 | |
| Bromofluorobenzene | 85 | | 37-146 | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
 Project#: 447.055
 Location: Connell Olds

Analysis Method: EPA 8015M
 Prep Method: EPA 3520

| Sample # | Client ID | Batch # | Sampled | Extracted | Analyzed | Moisture |
|------------|-----------|---------|----------|-----------|----------|----------|
| 138732-001 | MW-13 | 47244 | 03/30/99 | 04/05/99 | 04/07/99 | |
| 138732-002 | MW-8 | 47244 | 03/31/99 | 04/05/99 | 04/07/99 | |

Matrix: Water

| | | | |
|----------------|-------|------------|------------|
| Analyte | Units | 138732-001 | 138732-002 |
| Diln Fac: | | 1 | 1 |
| Diesel C10-C24 | ug/L | <48 | 200 YZ |
| Surrogate | | | |
| Hexacosane | %REC | 72 | 78 |

Y: Sample exhibits fuel pattern which does not resemble standard

Z: Sample exhibits unknown single peak or peaks



Curtis & Tompkins, Ltd.

Lab #: 138732

BATCH QC REPORT

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TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 3520

METHOD BLANK

Matrix: Water
Batch#: 47244
Units: ug/L
Diln Fac: 1

Prep Date: 04/05/99
Analysis Date: 04/09/99

MB Lab ID: QC94556

| Analyte | Result | Recovery Limits |
|----------------|--------|-----------------|
| Diesel C10-C24 | <50 | |
| Surrogate | %Rec | |
| Hexacosane | 92 | 58-128 |



Curtis & Tompkins, Ltd.

Lab #: 138732

BATCH QC REPORT

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TEH-Tot Ext Hydrocarbons

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8015M
Prep Method: EPA 3520

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 47244
Units: ug/L
Diln Fac: 1

Prep Date: 04/05/99
Analysis Date: 04/09/99

BS Lab ID: QC94557

| Analyte | Spike Added | BS | %Rec # | Limits |
|----------------|-------------|------|--------|--------|
| Diesel C10-C24 | 2475 | 2073 | 84 | 50-114 |
| Surrogate | %Rec | | Limits | |
| Hexacosane | 92 | | 58-128 | |

BSD Lab ID: QC94558

| Analyte | Spike Added | BSD | %Rec # | Limits | RPD # | Limit |
|----------------|-------------|------|--------|--------|-------|-------|
| Diesel C10-C24 | 2475 | 2256 | 91 | 50-114 | 8 | 25 |
| Surrogate | %Rec | | Limits | | | |
| Hexacosane | 97 | | 58-128 | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits



Volatile Organics by GC/MS

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

Field ID: MW-13
Lab ID: 138732-001
Matrix: Water
Batch#: 47202
Units: ug/L
Diln Fac: 1

Sampled: 03/30/99
Received: 03/31/99
Extracted: 04/02/99
Analyzed: 04/02/99

| Analyte | Result | Reporting Limit |
|---------------------------|--------|-----------------|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 20 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 10 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |



Curtis & Tompkins, Ltd.

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Volatile Organics by GC/MS

Field ID: MW-13
Lab ID: 138732-001
Matrix: Water
Batch#: 47202
Units: ug/L
Diln Fac: 1

Sampled: 03/30/99
Received: 03/31/99
Extracted: 04/02/99
Analyzed: 04/02/99

| Analyte | Result | Reporting Limit |
|-----------------------------|-----------|-----------------|
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |
| Surrogate | %Recovery | Recovery Limits |
| Dibromofluoromethane | 95 | 81-121 |
| 1,2-Dichloroethane-d4 | 99 | 76-127 |
| Toluene-d8 | 103 | 90-109 |
| Bromofluorobenzene | 100 | 82-118 |



Lab #: 138732

BATCH QC REPORT

EPA 8260 Volatile Organics

Client: Subsurface Consultants
Project#: 447.055
Location: Connell Olds

Analysis Method: EPA 8260
Prep Method: EPA 5030

BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water
Batch#: 47202
Units: ug/L
Diln Fac: 1

Prep Date: 04/02/99
Analysis Date: 04/02/99

BS Lab ID: QC94386

| Analyte | Spike Added | BS | %Rec | # | Limits |
|-----------------------|-------------|-------|--------|---|--------|
| 1,1-Dichloroethene | 50 | 53.46 | 107 | | 64-139 |
| Benzene | 50 | 51.79 | 104 | | 71-127 |
| Trichloroethene | 50 | 54.09 | 108 | | 72-129 |
| Toluene | 50 | 57.3 | 115 | | 73-129 |
| Chlorobenzene | 50 | 53.56 | 107 | | 77-126 |
| Surrogate | %Rec | | Limits | | |
| Dibromofluoromethane | 93 | | 81-121 | | |
| 1,2-Dichloroethane-d4 | 97 | | 76-127 | | |
| Toluene-d8 | 105 | | 90-109 | | |
| Bromofluorobenzene | 96 | | 82-118 | | |

BSD Lab ID: QC94387

| Analyte | Spike Added | BSD | %Rec | # | Limits | RPD # | Limit |
|-----------------------|-------------|-------|--------|---|--------|-------|-------|
| 1,1-Dichloroethene | 50 | 50.92 | 102 | | 64-139 | 5 | 13 |
| Benzene | 50 | 49.38 | 99 | | 71-127 | 5 | 10 |
| Trichloroethene | 50 | 50.75 | 102 | | 72-129 | 6 | 10 |
| Toluene | 50 | 54.58 | 109 | | 73-129 | 5 | 10 |
| Chlorobenzene | 50 | 51.32 | 103 | | 77-126 | 4 | 10 |
| Surrogate | %Rec | | Limits | | | | |
| Dibromofluoromethane | 95 | | 81-121 | | | | |
| 1,2-Dichloroethane-d4 | 96 | | 76-127 | | | | |
| Toluene-d8 | 105 | | 90-109 | | | | |
| Bromofluorobenzene | 96 | | 82-118 | | | | |

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

WELL SAMPLING FORM

Project Name: Connie Oldsmobile

Well Number: MU-8

Job No.: _____

Well Casing Diameter: 6 inch

Sampled By: John Wolk

Date: 3/3/99

TOC Elevation: _____

Weather: clear

Depth to Casing Bottom (below TOC) 39.50 feet

Depth to Groundwater (below TOC) 20.93 feet

Feet of Water in Well 18.57 feet

Depth to Groundwater When 80% Recovered 24.64 feet

Casing Volume (feet of water x Casing DIA² x 0.0408) 27.27 gallons

Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product Note

Purge Method 2" dia Schenck pump

FIELD MEASUREMENTS

| Gallons Removed | pH | Temp (°C) | Conductivity (micromhos/cm) | Salinity S% | Comments |
|-----------------|------|-----------|--------------------------------|-------------|-----------------|
| 20 | 7.53 | 21.1 | 320 | | clear, greenish |
| 30 | 7.46 | 22.4 | 970 | | |
| 40 | 7.19 | 22.0 | 1000 | | |
| 5 | 7.24 | 22.0 | 990 | | |
| 60 | 7.26 | 21.5 | 1000 | | |
| 70 | 7.32 | 21.4 | 1010 | | |
| 80 | 7.39 | 21.4 | 1010 | 80 | |

Total Gallons Purged 80 gallons

Depth to Groundwater Before Sampling (below TOC) 21.0 feet

Sampling Method 2" dia schenck pump

Containers Used 6 HCL 2 liter pint

Subsurface Consultants

JOB NUMBER

DATE

APPROVED

PLATE

WELL SAMPLING FORM

Project Name: Connell Oldsmobile

Well Number: KW-7

Job No.: 447.055

Well Casing Diameter: 2 inch

Sampled By: John Wolfe

Date: 3/26/99

TOC Elevation: _____

Weather: Clear, warm

Depth to Casing Bottom (below TOC) 30.00 feet

Depth to Groundwater (below TOC) 16.42 feet

Feet of Water in Well 13.58 feet

Depth to Groundwater When 80% Recovered 19.14 feet

Casing Volume (feet of water x Casing DIA² x 0.0408) 2.21 gallons

Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product None

Purge Method Teflon bather

FIELD MEASUREMENTS

| Gallons Removed | pH | Temp (°C) | Conductivity (micromhos/cm) | Salinity S% | Comments |
|-----------------|------|-----------|--------------------------------|-------------|-------------------------------|
| 0 | 6.28 | 20.8 | 350 | _____ | Slightly turbid Faint odor |
| 2 | 6.53 | 18.8 | 350 | _____ | |
| 4 | 6.51 | 18.9 | 400 | _____ | |
| 6 | 6.87 | 18.8 | 450 | _____ | |
| 8 | 6.91 | 18.7 | 450 | _____ | |

Total Gallons Purged 8 gallons

Depth to Groundwater Before Sampling (below TOC) 17.01 feet

Sampling Method Teflon bather

Containers Used 6 HCL 2 liter pint

| | | | | |
|------------------------|------------|------|----------|-------|
| Subsurface Consultants | JOB NUMBER | DATE | APPROVED | PLATE |
| | | | | |

WELL SAMPLING FORM

Project Name: Connel. ols

Well Number: MW - 4

Job No.: 447 053

Well Casing Diameter: 2 inch

Sampled By: JTW

Date: 3/26/99

TOC Elevation: _____

Weather: Clear

Depth to Casing Bottom (below TOC) 24.50 feet

Depth to Groundwater (below TOC) 17.51 feet

Feet of Water in Well 6.99 feet

Depth to Groundwater When 80% Recovered 18.9 feet

Casing Volume (feet of water x Casing DIA² x 0.0408) 1.14 gallons

Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product No

Purge Method Teflon barrier

FIELD MEASUREMENTS

| Gallons Removed | pH | Temp (°C) | Conductivity (micromhos/cm) | Salinity S% | Comments |
|-----------------|-------------|-------------|--------------------------------|-------------|---------------------------|
| <u>1</u> | <u>7.39</u> | <u>18.0</u> | <u>520</u> | _____ | <u>Clear, Strong odor</u> |
| <u>2</u> | <u>7.60</u> | <u>18.3</u> | <u>600</u> | _____ | _____ |
| <u>3</u> | <u>7.19</u> | <u>18.2</u> | <u>540</u> | _____ | _____ |
| <u>4</u> | <u>7.36</u> | <u>18.3</u> | <u>590</u> | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |

Total Gallons Purged 4 gallons

Depth to Groundwater Before Sampling (below TOC) 17.71 feet

Sampling Method Teflon barrier

Containers Used 6 HCL 2 pint
40 ml liter

| | | | | |
|------------------------|------------|------|----------|-------|
| Subsurface Consultants | JOB NUMBER | DATE | APPROVED | PLATE |
| | | | | |

WELL SAMPLING FORM

Project Name: Connell Olds

Well Number: MW-13

Job No.: 13) 055

Well Casing Diameter: 2 inch

Sampled By: GTW

Date: 3/30/99

TOC Elevation:

Weather: cool

Depth to Casing Bottom (below TOC) 40.0 feet

Depth to Groundwater (below TOC) 23.11 feet

Feet of Water in Well 16.89 feet

Depth to Groundwater When 80% Recovered 26.48 feet

Casing Volume (feet of water x Casing DIA² x 0.0408) 22.54 gallons

Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product _____

Purge Method _____

FIELD MEASUREMENTS

| Gallons Removed | pH | Temp (°C) | Conductivity (micromhos/cm) | Salinity S% | Comments |
|-----------------|-------------|-------------|--------------------------------|-------------|------------------------|
| <u>0</u> | <u>7.25</u> | <u>20.0</u> | <u>610</u> | _____ | <u>clear</u> |
| <u>2</u> | <u>7.16</u> | <u>21.1</u> | <u>630</u> | _____ | <u>Slightly Turbid</u> |
| <u>4</u> | <u>7.01</u> | <u>21.3</u> | <u>620</u> | _____ | _____ |
| <u>6</u> | <u>6.99</u> | <u>21.2</u> | <u>670</u> | _____ | _____ |
| <u>9</u> | <u>6.97</u> | <u>21.3</u> | <u>630</u> | _____ | _____ |

Total Gallons Purged _____ gallons

Depth to Groundwater Before Sampling (below TOC) 25.00 feet

Sampling Method Teflon basket

Containers Used 5 TCL 2 liter pint

Subsurface Consultants

| JOB NUMBER | DATE | APPROVED | PLATE |
|------------|------|----------|-------|
| | | | |

WELL SAMPLING FORM

Project Name: Cowell.

Well Number: MW-9

Job No.: 133.055

Well Casing Diameter: 2 inch

Sampled By: 9 TW

Date: 3/25/99

TOC Elevation: _____

Weather: cool

Depth to Casing Bottom (below TOC) 30.50 feet

Depth to Groundwater (below TOC) 18.46 feet

Feet of Water in Well 12.02 feet

Depth to Groundwater When 80% Recovered 20.36 feet

Casing Volume (feet of water x Casing DIA² x 0.0408) 1.16 gallons

Depth Measurement Method Tape & Paste / Electronic Sounder / Other

Free Product None

Purge Method Teflon bauer

*Slow
recharge
30 min*

FIELD MEASUREMENTS

| Gallons Removed | pH | Temp (°C) | Conductivity (micromhos/cm) | Salinity S% | Comments |
|-----------------|------|-----------|-----------------------------|-------------|---------------------------------|
| 1 | 7.09 | 22.0 | 990 | | <i>slight turbid / odor</i> |
| 2 | 7.11 | 20.8 | 185 | | |
| 3 | 7.18 | 20.2 | 910 | | |
| 4 | 7.11 | 20.2 | 900 | | |
| 5 | 7.31 | 20.1 | 890 | | |

Total Gallons Purged 5 gallons

Depth to Groundwater Before Sampling (below TOC) 19.25 feet

Sampling Method Teflon bauer

Containers Used 6 HCl 2 liter — pint
40 ml

| | | | | |
|------------------------|------------|------|----------|-------|
| Subsurface Consultants | JOB NUMBER | DATE | APPROVED | PLATE |
| | | | | |

GROUNDWATER DEPTHS

Project Name: Connell Oldsmobile, Oakl and CA

Job No.: 447.055

Measured by: John Wolfe

GROUNDWATER DEPTHS

Project Name: Connell Oldsmobile

Job No.: 447,055

Measured by: J Rasmussen

| Well | Date | Time | Groundwater Depth (feet) | Comments |
|------|------|------|--------------------------|----------|
|------|------|------|--------------------------|----------|

GROUNDWATER DEPTHS

Project Name: Connell - Oldsmobile

Job No.: 133.055

Measured by: GTW

| Well | Date | Time | Groundwater Depth (feet) | Comments |
|------|------|------|--------------------------|----------|
|------|------|------|--------------------------|----------|

| | | | | |
|-------|---------|----------------------|-------|--|
| MW-1 | 3/24/99 | 8:00 ¹⁰⁰⁰ | 21.90 | '18" product 0.01 gal. |
| MW-14 | / | / | 22.08 | Trace of product |
| MW-15 | / | / | 22.46 | Faint odor, no product |
| MW-9 | / | / | 18.46 | no product |
| MW-10 | / | / | 17.23 | no product |
| MW-4 | / | / | 17.51 | slightly strong odor, no product lock |
| MW-3 | / | / | 19.15 | under pressure lock |
| MW-6 | / | / | 23.82 | 2.31 inches of product / bail out. $120ml = .03 \text{ gallons}$ needs to lock |
| MW-8 | / | / | 20.93 | no product, strong odor lock |
| MW-7 | / | / | 16.42 | no product under pressure |
| MW-5 | / | ✓ | 25.73 | no product under pressure |
| MW-13 | / | / | 23.11 | no products |
| MW-2 | ↓ | 1400 | / | No access |
| MW-11 | ↓ | / | 29.57 | / |

MW-6 Bail 120ml product
~0.3 gallons

GROUNDWATER DEPTHS

Project Name: Connell Olds

Job No.: 447.055

Measured by: John Wolfe

Replace all locks

CHAIN OF CUSTODY FORM

PROJECT NAME: Connell Oldsmobile

JOB NUMBER: 447-055

JOB NUMBER: PROJECT CONTACT: Mcy Mendoza

PROJECT CONTACT: John Wolfe
SAMPLED BY: John Wolfe

LAB: C + T

TUBNAROUND: Normal

REQUESTED BY: John Wolfe

| CHAIN OF CUSTODY RECORD | | | | COMMENTS & NOTES: |
|--------------------------|--------------|--------------------------|--------------|-------------------|
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| <i>John Wolfe</i> | 3/26/99 1130 | <i>John Wolfe</i> | 3/26/99 1130 | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| | | | | |

CHAIN OF CUSTODY FORM

138732

PROJECT NAME: Carnell Oldsmobile
JOB NUMBER: 447.055 LAB: C+T
PROJECT CONTACT: Meg Mendez TURNAROUND: Normal
SAMPLED BY: John Wolf REQUESTED BY: John Wolf

| LABORATORY I.D. NUMBER | SCI SAMPLE NUMBER | MATRIX | | | CONTAINERS | | | METHOD PRESERVED | | | SAMPLING DATE | | | | NOTES | | | | | |
|---------------------------|-------------------------|--------|------|-------|------------|-----|------|---------------------|------|-----|--------------------------------|------------------|-----|------|-------|-----|------|------|---|----------------|
| | | WATER | SOIL | WASTE | AIR | VOA | UTER | PINT | TUBE | HCL | H ₂ SO ₄ | HNO ₃ | ICE | NONE | MONTH | DAY | YEAR | TIME | | |
| 1 | MW-13 | / | / | | | 6 | 2 | | | ✓ | | | | | 3 | 30 | 99 | 1606 | / | TVH/BTEX |
| 2 | MW-8 | / | | | | 6 | 2 | | | ✓ | | | | | 3 | 31 | 99 | 0900 | / | TEH OCAT by |

| CHAIN OF CUSTODY RECORD | | | | COMMENTS & NOTES: |
|--|-----------------------------|--|-----------------------------|-------------------|
| RELEASED BY: (Signature) <i>John Wolf</i> | DATE / TIME 3/31/99 1200 | RECEIVED BY: (Signature) <i>R. B. L. - d.</i> | DATE / TIME 3/31/99 2:15 | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |
| RELEASED BY: (Signature) | DATE / TIME | RECEIVED BY: (Signature) | DATE / TIME | |



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