

C A M B R I A

ENVIRONMENTAL
PROTECTION
00 JUL 17 PM 1:23

July 12, 2000

Ms. Susan Hugo
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Second Quarter 2000 Monitoring Report**
Connell Automobile Dealership
3093 Broadway
Oakland, California
StID #469



Dear Ms. Hugo:

On behalf of Messrs. George Hill and Gordon Linden, and as required by the Alameda County Health Care Services Agency (ACHCSA), Cambria Environmental Technology, Inc. (Cambria) has prepared this quarterly monitoring report for the above-referenced site. This report satisfies the quarterly reporting requirements prescribed by 23 CCR 2652d. The site background, second quarter 2000 activities and results, and the anticipated third quarter 2000 activities are presented below.

SITE BACKGROUND

Three underground storage tanks (USTs) which previously contained gasoline, diesel, and waste oil were removed from the subject site in December 1989. Soil and groundwater investigation has been ongoing since 1990. Between October 1996 and March 1998, operation of a soil vapor extraction (SVE) remediation system removed approximately 1,421 lbs of hydrocarbons. Manual removal of hydrocarbons from site monitoring wells has been ongoing since 1991.

SECOND QUARTER 2000 ACTIVITIES AND RESULTS

Groundwater Monitoring: Cambria monitored site groundwater following the sampling protocol described in Cambria's May 8, 2000 *Workplan Addendum*. On May 31, 2000, Cambria gauged monitoring wells MW-1, MW-4, MW-6, MW-7, MW-8, MW-9, MW-13, MW-14, and MW-15, and inspected the wells for separate-phase hydrocarbons (SPH). Groundwater samples were collected from wells MW-4, MW-7, MW-8, MW-9, and MW-13. The samples were analyzed by a California Department of Health Services (DHS) certified analytical laboratory for total petroleum hydrocarbons (TPH) as diesel, TPH as motor oil (TPHmo), TPH as gasoline (TPHg), benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), and EPA List 8010 halogenated volatile organic compounds (HVOCs). The groundwater elevations, groundwater flow


Oakland, CA
San Ramon, CA
Sonoma, CA
Portland, OR

**Cambria
Environmental
Technology, Inc.**

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

direction, and gradient are shown on Figure 1. The groundwater and analytical data are presented in Tables 1, 2, and 3. SPH thicknesses and quantities removed are presented in Table 4. The analytical laboratory report is included as Attachment A. Field data sheets are included as Attachment B.

Groundwater Flow Direction: Based on the May 31, 2000, depth-to-water measurements, groundwater flowed eastward with a gradient of approximately 0.08 ft/ft during the second quarter of 2000 (Figure 1). This result is consistent with the historical local groundwater flow direction.



Contaminant Distribution in Groundwater: In general, monitoring results were consistent with past results for this site. SPH were detected in well MW-6 (Figure 1). The primary contaminants of concern (COCs) in site groundwater are benzene, 1,2-DCA, naphthalene, lead and nickel; these COCs are typically associated with releases from USTs containing gasoline, diesel, and/or motor oil. The maximum benzene concentration detected in groundwater was 17,000 ug/l in MW-4, and the maximum 1,2-DCA concentration was 300 ug/l in MW-9 (Table 1). Although not analyzed this quarter, naphthalene, lead, and nickel concentrations are expected to be consistent with the first quarter 2000 results. The contaminant plumes are adequately defined cross-gradient (south) and downgradient of the former UST complex location by wells MW-7 and MW-13, respectively.

Separate-Phase Hydrocarbon Removal: During site visits on March 28, 2000, May 2, 2000, and May 31, 2000, Cambria inspected the passive SPH recovery devices in wells MW-1, MW-6, and MW-14. On March 28, 2000 and May 2, 2000, product was observed in the absorbent socks in wells MW-1 and MW-14, and in the product skimmer in well MW-6. The socks were removed and replaced, and the skimmer was emptied and reset. No SPH was recovered during the May 31, 2000 monitoring event. As of May 31, 2000, a total of approximately 909 lbs of SPH has been recovered from the site monitoring wells since liquid-phase hydrocarbon removal began in December 1991. Table 4 presents the SPH thickness measurements, the amount of SPH removed from the wells during each site visit, and the cumulative mass of SPH removed from each well.

Regulatory Interaction: On April 3, 2000, Cambria and Mssrs. George Hill and Gordon Linden of the Connell Trust met with Ms. Susan Hugo of the ACHCSA. Cambria memorialized the results of that meeting in the May 8, 2000 *Workplan Addendum*. Ms. Hugo verbally approved the *Workplan Addendum* on June 30, 2000. Written approval of the addendum is pending.

ANTICIPATED THIRD QUARTER 2000 ACTIVITIES

Groundwater Monitoring and Reporting: As required by the ACHCSA, Cambria will gauge site wells MW-1, MW-4, MW-6, MW-7, MW-8, MW-9, MW-13, MW-14, and MW-15 on a quarterly basis, collecting groundwater samples from MW-4, MW-7, MW-8, MW-9, and MW-13. During third quarter 2000, Cambria will analyze groundwater samples for TPHd, TPHmo, TPHg, BTEX, MTBE, and EPA List 8010 HVOCs. Cambria will prepare a quarterly monitoring report that will include tabulated groundwater elevation and analytical data and a potentiometric surface map.



Separate-Phase Hydrocarbon Removal: Cambria will conduct monthly SPH recovery events. Proper functioning of the recovery devices in MW-1, MW-6, and MW-14 will be verified, and collected SPH will be transferred to labeled, DOT-approved steel drums pending disposal or recycling.

Implementation of the May 8, 2000 Workplan Addendum: Cambria anticipates implementation of the May 8, 2000 *Workplan Addendum* to begin during the third quarter 2000. The ACHCSA-approved scope of work includes soil vapor sampling, preparation of a screening level health risk assessment, and feasibility testing of technologies for active removal of SPH from site wells. Prior to implementation, cost pre-approval will be obtained from the state UST Cleanup Fund.

CLOSING

We trust that this report meets your requirements. If you have any questions or comments concerning this report, please call Bob Schultz at (510) 420-3341.

Sincerely,
Cambria Environmental Technology, Inc.

Catherine M. Bell
for
Robert W. Schultz
Project Geologist

Bob Clark-Riddell
Bob Clark-Riddell, P.E.
Principal Engineer



Attachments: A - Analytical Laboratory Report
B - Field Data Sheets

cc: George Hill, 305 Sheridan Avenue, Piedmont, CA 94611
Gordon Linden, 101 Glenden Avenue, Oakland, CA 94611
Paul Kibel, Fitzgerald, Abbott & Beardsley, LLP, 1221 Broadway, 21st Floor, Oakland, CA 94612
Leroy Griffin, Hazardous Materials Manager, Fire Department - OES, 1605 MLK Jr. Way, Oakland, CA 94612

EXPLANATION

- MW-1 ◆ Monitoring well location
- ◆ Groundwater elevation anomalous, not included in contouring
- Well ID
ELEV. Well Designation Groundwater Elevation

Basemap from Subsurface Consultants, Inc.

HAWTHORNE STREET

SIDEWALK

3093 BROADWAY

BROOK STREET

BROADWAY

WEBSTER STREET

MW-11 ◆

MW-1
72.43

MW-14
72.57

MW-15
72.36

MW-6
62.41

MW-8
59.34'

62.5

MW-10 ◆

MW-7
69.20

MW-2 ◆

MW-3 ◆

MW-5 ◆

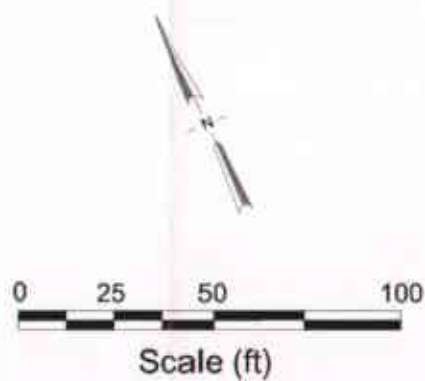


FIGURE 1



C A M B R I A

Groundwater Elevation Contours

May 31, 2000

Connell Automobile Dealership

3093 Broadway
Oakland, California

11:58A-2000/05/31/01/RES/10-01.DWG

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl- benzene | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|------------------------------|------------------|---------------------------------|----------------------------------|---------|------|---------|---------|-------------------|---------|--------|---------|-------------|
| ←-----ug/l-----> | | | | | | | | | | | | |
| MW-1 | 10/05/90 | 26.40 | 68.08 | 620,000 | -- | 33,000 | 50,000 | 7,900 | 41,000 | -- | 2,900 | ND |
| 94.48 | 03/01/91 | 27.46 | 67.02 | FP | -- | -- | -- | -- | -- | ** | -- | -- |
| | 10/12/92 | 26.44 | 68.04 | 490,000 | -- | 51,000 | 59,000 | 5,000 | 27,000 | -- | 1,300 | -- |
| | 11/24/92 | 26.63 | 67.85 | 320,000 | -- | 35,000 | 43,000 | 4,200 | 22,000 | -- | 1,600 | ND |
| | 04/05/93 | 23.77 | 70.71 | 270,000 | -- | 50,000 | 58,000 | 4,600 | 25,000 | -- | 1,800 | ND |
| | 07/21/93 | 24.51 | 69.97 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/09/93 | 26.06 | 68.42 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 08/30/95 | 21.73 | 72.75 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/04/95 | 21.94 | 72.54 | FP | -- | -- | -- | -- | -- | <200 | -- | -- |
| | 05/02/96 | 20.65 | 73.83 | 340,000 | -- | 57,000 | 73,000 | 7,200 | 38,000 | -- | 1,200 | -- |
| | 11/05/96 | 24.29 | 70.19 | 270,000 | -- | 43,000 | 56,000 | 4,500 | 34,000 | -- | -- | -- |
| | 05/09/97 | 22.79 | 71.69 | 240,000 | -- | 36,000 | 45,000 | 3,300 | 17,900 | -- | 930 | -- |
| | 11/05/97 | 25.06 | 69.42 | 240,000 | -- | 42,000 | 48,000 | 3,600 | 18,800 | <1,000 | 1,200 | -- |
| | 02/09/98 | 22.64 | 71.84 | 220,000 | -- | 47,000 | 60,000 | 5,200 | 29,800 | <1,000 | 1,500 | ND |
| | 05/01/98 | 19.95 | 74.53 | 160,000 | -- | 35,000 | 42,000 | 2,800 | 16,000 | <1,000 | 1,100 | ND |
| | 11/03/98 | 23.29 | 71.19 | 200,000 | -- | 39,000 | 49,000 | 4,400 | 26,000 | <500 | 1,200 | ND |
| | 03/24/99 | 22.30 | 72.18 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 07/01/99 | 22.70 | 71.78 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/21/99 | 23.81 | 70.67 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/09/00 | 23.95 | 70.59 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/31/00 | 22.05 | 72.43 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-2 | 03/01/91 | 27.86 | 66.95 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| 94.81 | 11/24/92 | 27.91 | 66.90 | <50 | -- | <0.5 | 1.1 | <0.5 | 1.5 | -- | <1.0 | ND |
| | 04/05/93 | 25.95 | 68.86 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 07/21/93 | 25.59 | 69.22 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/10/93 | 26.72 | 68.09 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 08/30/95 | 25.75 | 69.06 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 05/03/96 | 23.28 | 71.53 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 05/08/97 | 24.58 | 70.23 | <50 | -- | <0.5 | 0.7 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 04/29/98 | 22.18 | 72.63 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl-benzene | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|---------------|---------------|---------------------------|----------------------------|------------------|--------|---------|---------|---------------|---------|-------------------|---------|--------------|
| | | | | ←-----ug/l-----> | | | | | | | | |
| MW-3 90.08 | 03/01/91 | 23.17 | 66.91 | <50 | -- | <50 | 0.6 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/25/92 | 23.01 | 67.07 | 50 | -- | <0.5 | 0.9 | <0.5 | 2 | -- | <1.0 | ND |
| | 04/05/93 | 22.11 | 67.97 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 07/21/93 | 23.93 | 66.15 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/10/93 | 23.14 | 66.94 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 08/30/95 | 20.61 | 69.47 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 05/03/96 | 18.43 | 71.65 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 05/08/97 | 19.77 | 70.31 | <50 | -- | <0.5 | 0.7 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 04/29/98 | 17.92 | 72.16 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| MW-4 88.84 | 03/01/91 | 23.79 | 65.05 | 150,000 | -- | 20,000 | 38,000 | 2,800 | 14,000 | ** | 610 | ND |
| | 10/12/92 | 22.48 | 66.36 | 230,000 | -- | 15,000 | 32,000 | 2,500 | 14,000 | -- | 430 | -- |
| | 11/24/92 | 22.60 | 66.24 | 210,000 | -- | 14,000 | 31,000 | 2,500 | 14,000 | -- | 500 | ND |
| | 04/02/93 | 20.11 | 68.73 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 07/21/93 | 20.48 | 68.36 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/09/93 | 21.71 | 67.13 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 08/30/95 | 19.90 | 68.94 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/01/95 | 19.40 | 69.44 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/02/96 | 17.50 | 71.34 | 140,000 | -- | 24,000 | 50,000 | 3,000 | 15,100 | -- | 420 | ND |
| | 11/04/96 | 20.13 | 68.71 | 160,000 | -- | 16,000 | 38,000 | 2,700 | 14,000 | -- | 380 | ND |
| | 05/08/97 | 18.63 | 70.21 | 170,000 | -- | 16,000 | 37,000 | 2,400 | 15,900 | -- | 290 | -- |
| | 11/05/97 | 20.19 | 68.65 | 190,000 | -- | 15,000 | 31,000 | 2,200 | 14,600 | <400 | 290 | -- |
| | 02/09/98 | 18.28 | 70.56 | 110,000 | -- | 19,000 | 42,000 | 2,500 | 18,300 | <500 | 300 | -- |
| | 05/01/98 | 16.11 | 72.73 | 130,000 | -- | 15,000 | 31,000 | 2,000 | 13,400 | <1,000 | 260 | ND |
| | 08/04/98 | 17.54 | 71.30 | 130,000 | -- | 16,000 | 34,000 | 2,400 | 15,700 | <400 | 240 | ND |
| | 11/02/98 | 19.21 | 69.63 | 140,000 | -- | 16,000 | 32,000 | 2,300 | 15,500 | <400 | 230 | ND |
| | 03/26/99 | 17.51 | 71.33 | 110,000 | -- | 15,000 | 30,000 | 1,600 | 15,000 | 450 ⁴ | 210 | ⁵ |
| | 07/01/99 | 18.80 | 70.04 | 110,000 | -- | 13,000 | 23,000 | 1,600 | 12,000 | <83 | 170 | ⁵ |
| | 09/21/99 | 19.85 | 68.99 | 140,000 | -- | 16,000 | 31,000 | 2,400 | 14,800 | ND | <1000 | ⁵ |
| | 02/09/00 | 19.76 | 69.08 | -- | -- | 140,000 | 16,000 | 28,000 | 2,100 | 14,000 | <400 | 100 |
| 05/31/00 | 17.90 | 70.94 | -- | -- | 15,000 | 17,000 | 28,000 | 2,400 | 14,000 | <0.5 ⁶ | <0.5 | ND |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl-benzene | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|---------|-----------------|---------------------------|----------------------------|------------------|-----------|---------|---------|---------------|---------|------------|---------|-------------|
| | | | | <-----ug/l-----> | | | | | | | | |
| MW-5 | 03/15/91 | 26.31 | 58.53 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| 84.84 | 11/10/92 | 26.83 | 58.01 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 04/02/93 | 26.62 | 58.22 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 07/21/93 | 26.60 | 58.24 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/09/93 | 27.24 | 57.60 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 08/30/95 | 27.46 | 57.38 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 05/03/96 | 26.02 | 58.82 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 05/08/97 | 26.76 | 58.08 | <50 | -- | <0.5 | 0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 04/29/98 | 26.55 | 58.29 | <50 | -- | <0.5 | 0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| MW-6 | 03/15/91 | 25.82 | 59.80 | 80,000 | -- | 12,000 | 13,000 | 1,100 | 5,400 | -- | 1,400 | DBCM: 160 |
| 85.62 | 10/12/92 | 25.02 | 60.60 | 19,000 | -- | 3,200 | 1,400 | 200 | 560 | -- | 840 | -- |
| | 12/01/92 | 28.87 | 56.75 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 04/02/93 | 26.96 | 58.66 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 07/21/93 | 26.17 | 59.45 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 11/09/93 | 27.51 | 58.11 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 08/30/95 | 28.00 | 57.62 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/01/95 | 27.58 | 58.04 | FP | -- | -- | -- | -- | -- | <8,000,000 | 71 | -- |
| 86.94 | 05/03/96 | 28.15 | 58.79 | 130,000 | -- | 37,000 | 50,000 | 3,200 | 14,200 | -- | 2,400 | ND |
| | 05/09/97 | 26.54 | 60.40 | 1,700,000 | -- | 14,000 | 27,000 | 4,000 | 28,200 | -- | 1,200 | -- |
| | 11/05/97 | 26.16 | 60.78 | 160,000 | -- | 13,000 | 19,000 | 1,900 | 14,300 | <200 | 790 | -- |
| 85.82 | 05/01/98 | 22.96 | 62.86 | 130,000 | -- | 15,000 | 23,000 | 1,700 | 13,200 | <500 | 1,100 | ND |
| | 11/03/98 | 24.35 | 61.47 | 110,000 | -- | 17,000 | 21,000 | 1,800 | 10,700 | <200 | 990 | ND |
| | 03/26/99 | 23.82 | 62.00 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 07/01/99 | 24.45 | 61.37 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/21/99 | 24.58 | 61.24 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/09/00 | 24.93 | 61.24 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 05/31/00 | 23.47 | 62.41 | -- | FP | -- | -- | -- | -- | -- | -- | -- |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl-benzene | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|---------|-----------------|---------------------------|----------------------------|------------------|---------------|----------|----------|---------------|----------|----------------|----------------|-------------|
| | | | | <-----ug/l-----> | | | | | | | | |
| MW-7 | 03/15/91 | 21.63 | 63.78 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| 85.41 | 11/24/92 | 21.52 | 63.89 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 04/02/93 | 20.08 | 65.33 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 07/21/93 | 19.59 | 65.82 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/09/93 | 20.65 | 64.76 | <50 | -- | <0.5 | 1 | <0.5 | 1.7 | -- | <1.0 | ND |
| | 08/30/95 | 18.78 | 66.63 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 12/01/95 | 19.47 | 65.94 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 05/02/96 | 17.15 | 68.26 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 08/08/96 | 18.48 | 66.93 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| | 11/04/96 | 18.69 | 66.72 | <50 | -- | <1 | <1 | <1 | <1 | -- | <1.0 | ND |
| | 02/06/97 | 17.44 | 67.97 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| | 05/08/97 | 17.72 | 67.69 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 08/07/97 | 18.49 | 66.92 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| | 11/05/97 | 18.86 | 66.55 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 1 | -- |
| | 02/09/98 | 17.56 | 67.85 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | -- |
| | 04/29/98 | 16.23 | 69.18 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| | 08/04/98 | 17.24 | 68.17 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 1.1 | ND |
| | 11/02/98 | 17.91 | 67.50 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 1.2 | ND |
| | 03/26/99 | 16.42 | 68.99 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | ND | ND |
| | 07/01/99 | 17.90 | 67.51 | 85 | -- | <0.5 | 1.1 | 0.55 | 2.5 | <0.5 | 1.0 | 5 |
| | 09/21/99 | 18.91 | 66.50 | <50 | -- | 0.7 | 1.8 | <0.5 | 1.5 | <5.0 | <5.0 | ND |
| | 02/09/00 | 16.74 | 68.67 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | <0.5 | <0.5 |
| | 05/31/00 | 16.21 | 69.20 | -- | <50 | 3 | 6 | 1 | 9 | <0.5 | <0.5 | ND |
| MW-8 | 10/12/92 | 27.70 | 57.80 | 70 | -- | 20 | 1 | 1 | 3 | -- | 210 | -- |
| 85.50 | 11/25/92 | 27.62 | 57.88 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | 200 | ND |
| | 04/08/93 | 26.64 | 58.86 | 490 | -- | 15 | 45 | 5.1 | 73 | -- | 210 | ND |
| | 07/21/93 | 26.60 | 58.90 | 180 | -- | 2.5 | 3 | <0.5 | 1.9 | -- | 350 | ND |
| | 11/11/93 | 27.18 | 58.32 | 310 | -- | 23 | <0.5 | <0.5 | <0.5 | -- | 240 | ND |
| | 08/30/95 | 26.35 | 59.15 | 660 | -- | 360 | 6.8 | 13 | 2.8 | -- | 130 | -- |
| | 12/04/95 | 26.72 | 58.78 | 250 | -- | 46 | 0.9 | 4.9 | <0.5 | -- | 94 | ND |
| | 05/03/96 | 25.47 | 60.03 | 69 | -- | 110 | <0.5 | <0.5 | 1.5 | -- | 100 | ND |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl- benzenc ug/l | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|------------------------------|------------------|---------------------------------|----------------------------------|--------------------|------------|-----------------|----------|---------------------------|-------------------|------------------|-----------|--------------|
| | 08/08/96 | 26.41 | 59.09 | 120 | -- | 11 | <0.5 | <0.5 | <0.5 | <2 | 93 | ND |
| | 11/05/96 | 26.77 | 58.73 | 110 | -- | 20 | <1 | 1 | <1 | -- | 98 | ND |
| | 02/06/97 | 25.84 | 59.66 | 67 ^{1,2} | -- | 51 | <0.5 | 0.56 | <0.5 | <2 | 81 | ND |
| | 05/09/97 | 26.39 | 59.11 | 110 ^{1,2} | -- | 59 | <0.5 | <0.5 | <0.5 | -- | 76 | -- |
| | 08/07/97 | 26.72 | 58.78 | <50 | -- | 12 ³ | <0.5 | <0.5 | <0.5 | <2 | 79 | ND |
| | 11/05/97 | 26.82 | 58.68 | <50 | -- | 9.4 | <0.5 | <0.5 | <0.5 | <2 | 84 | -- |
| | 02/09/98 | 25.57 | 59.93 | <50 | -- | 6 | <0.5 | <0.5 | <0.5 | <2 | 85 | -- |
| | 05/01/98 | 25.64 | 59.86 | 430 | -- | 490 | 7.1 | 27 | 26 | <10 | 85 | ND |
| | 08/05/98 | 25.96 | 59.54 | 140 | -- | 19 | <0.5 | 5.2 | 5.3 | <2 | 69 | ND |
| | 11/03/98 | 26.27 | 59.23 | 150 | -- | 110 | 1.1 | 4.3 | 4.5 | <2 | 67 | ND |
| | 03/31/99 | 20.93 | 64.57 | 54 | -- | 170 | 1.5 | 4.1 | 1.9 | 4.4 ⁴ | 5.9 | 1,1 DCA: 0.7 |
| | 07/01/99 | 26.59 | 58.91 | 140 | -- | 58 | 0.9 | 3 | 2.3 | <0.5 | 55 | ⁵ |
| | 09/21/99 | 26.89 | 58.61 | 670 | -- | 170 | 2.6 | 11 | 7.9 | <5 | 41 | ND |
| | 02/09/00 | 26.60 | 58.90 | -- | 300 | 60 | 1.2 | 4.8 | 1.2 | <5.0 | 40 | <0.5 |
| | 05/31/00 | 26.16 | 59.34 | -- | 380 | 85 | 2 | 4 | 3 | <0.5 | 52 | ND |
| MW-9 | 11/24/92 | 23.51 | 66.86 | 19,000 | -- | 180 | 590 | 23 | 2000 | -- | 340 | TCM: 15 |
| 90.37 | 04/05/93 | 21.14 | 69.23 | 2,300 | -- | 48 | 4 | 0.6 | 13 | -- | 600 | TCM: 2 |
| | 07/21/93 | 21.54 | 68.83 | 2,300 | -- | 170 | 8.1 | 15 | <0.5 | -- | 1100 | ND |
| | 11/10/93 | 27.53 | 62.84 | 4,400 | -- | 69 | 7.3 | 21 | 9.7 | -- | 900 | ND |
| | 08/30/95 | 19.59 | 70.78 | 3,200 | -- | 3,900 | 49 | 80 | 22.8 | -- | 960 | -- |
| | 12/04/95 | 20.65 | 69.72 | -- | -- | -- | -- | -- | -- | <2 | -- | -- |
| | 05/02/96 | 18.63 | 71.74 | <1300 | -- | 2,600 | <13 | 200 | <13 | -- | 550 | ND |
| | 11/05/96 | 20.69 | 69.68 | 1,800 | -- | 280 | <5 | 65 | <5 | -- | 770 | ND |
| | 05/09/97 | 19.96 | 70.41 | 1,100 | -- | 160 | <0.5 | 42 | <0.5 | -- | 690 | -- |
| | 08/08/97 | 20.84 | 69.53 | 570 ^{1,2} | -- | <0.5 | <0.5 | <0.5 | 0.78 ³ | <2 | 680 | ND |
| | 11/05/97 | 21.55 | 68.82 | 490 ¹ | -- | <0.5 | <0.5 | 6 | <0.5 | <2 | 500 | -- |
| | 02/09/98 | 20.21 | 70.16 | 270 ¹ | -- | 48 | 17 | 5.8 | <0.5 | <2 | 520 | -- |
| | 05/01/98 | 19.27 | 71.10 | 550 | -- | 70 | <0.5 | 22 | 2.2 | <2 | 390 | ND |
| | 08/05/98 | 19.35 | 71.02 | 550 ¹ | -- | 88 | <0.5 | 13 | 1.9 ³ | <2 | 420 | ND |
| | 11/02/98 | 20.43 | 69.94 | 580 | -- | <0.5 | <0.5 | 7.5 ³ | 1.6 ³ | <2 | 430 | ND |
| | 03/25/99 | 18.46 | 71.91 | 1,100 | -- | 160 | <0.5 | 21 | 2.1 ³ | 5.7 ⁴ | 550 | ND |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl- benzene | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|------------------------------|------------------|---------------------------------|----------------------------------|---------|--------------|------------|-----------|-------------------|----------------|----------------|------------|-------------|
| ←-----ug/l-----> | | | | | | | | | | | | |
| | 07/01/99 | 19.95 | 70.42 | 540 | -- | 100 | 7.4 | 26 | 16.9 | <1.3 | 400 | 5 |
| | 09/21/99 | 21.15 | 69.22 | 2,700 | -- | 320 | 98 | 88 | 47 | <20 | 540 | ND |
| | 02/09/00 | 21.08 | 69.29 | -- | 1,600 | 81 | 3.6 | 19 | 18 | <5.0 | 360 | <0.5 |
| | 05/31/00 | 19.11 | 71.26 | -- | 1,500 | 170 | 13 | 25 | <1.0 | <0.5 | 300 | ND |
| MW-10 88.60 | 10/12/92 | 21.55 | 67.05 | 28,000 | -- | 2,700 | 3,800 | 210 | 1,300 | -- | 150 | -- |
| | 11/24/92 | 21.86 | 66.74 | 130,000 | -- | 9,700 | 19,000 | 1,400 | 8,400 | -- | 370 | ND |
| | 04/05/93 | 19.14 | 69.46 | 63,000 | -- | 6,300 | 14,000 | 1,100 | 7,500 | -- | 70 | ND |
| | 07/21/93 | 19.79 | 68.81 | 140,000 | -- | 16,000 | 31,000 | 2,200 | 13,000 | -- | 700 | ND |
| | 08/30/95 | 17.99 | 70.61 | 92,000 | -- | 13,000 | 24,000 | 1,800 | 9,100 | -- | 300 | -- |
| | 05/03/96 | 17.04 | 71.56 | 81,000 | -- | 17,000 | 29,000 | 2,100 | 8,500 | -- | 320 | ND |
| | 05/09/97 | 18.36 | 70.24 | 63,000 | -- | 7,400 | 13,000 | 940 | 4,100 | -- | 150 | -- |
| | 05/01/98 | 15.84 | 72.76 | 60,000 | -- | 7,100 | 14,000 | 1100 | 5,300 | <250 | 120 | ND |
| MW-11 102.06 | 11/24/92 | 33.65 | 68.41 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 12/8/92*** | 33.37 | 68.69 | <50 | -- | <0.1 | <0.1 | <0.1 | <0.1 | -- | -- | -- |
| | 12/08/92 | 33.37 | 68.69 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| | 04/05/93 | 31.03 | 71.03 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 07/21/93 | 31.90 | 70.16 | 160 | -- | <0.5 | 1.8 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/09/93 | 32.60 | 69.46 | 80 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 08/30/95 | 28.92 | 73.14 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 05/03/96 | 28.00 | 74.06 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 05/08/97 | 29.93 | 72.13 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | -- |
| | 04/29/98 | 27.22 | 74.84 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | <1.0 | ND |
| MW-13 84.06 | 11/24/92 | 26.05 | 58.01 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 12/8/92*** | 25.08 | 58.98 | <50 | -- | <0.1 | <0.1 | <0.1 | <0.1 | -- | -- | -- |
| | 12/08/92 | 25.08 | 58.98 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- | -- |
| | 04/05/93 | 24.64 | 59.42 | <50 | -- | <0.5 | 0.9 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 07/21/93 | 24.29 | 59.77 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 11/09/93 | 24.23 | 59.83 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | <1.0 | ND |
| | 08/30/95 | 23.30 | 60.76 | <50 | -- | 49 | <0.5 | <0.5 | <0.5 | -- | 3.6 | -- |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH ←----- | TPHg | Benzene | Toluene | Ethyl- benzene ug/l----- | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|------------------------------|------------------|---------------------------------|----------------------------------|-----------------|---------------|----------|----------------|--------------------------------|----------------|----------------|----------------|--------------|
| | 12/01/95 | 23.80 | 60.26 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | 4.1 | ND |
| | 05/03/96 | 23.19 | 60.87 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | -- | 4 | ND |
| | 08/08/96 | 23.44 | 60.62 | <50 | -- | 32 | <0.5 | <0.5 | <0.5 | <2 | 6.4 | ND |
| | 11/05/96 | 24.04 | 60.02 | <50 | -- | <1 | <1 | <1 | <1 | -- | 5.7 | ND |
| | 02/06/97 | 23.24 | 60.82 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 3.5 | ND |
| | 05/08/97 | 23.46 | 60.60 | <50 | -- | 81 | <0.5 | <0.5 | <0.5 | -- | 5.5 | -- |
| | 08/08/97 | 23.92 | 60.14 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 6.8 | ND |
| | 11/05/97 | 24.27 | 59.79 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 5.5 | -- |
| | 02/09/98 | 22.89 | 61.17 | <50 | -- | <0.5 | <0.5 | <0.5 | <0.5 | <2 | 2.9 | -- |
| | 04/29/98 | 22.27 | 61.79 | <50 | -- | 24 | <0.5 | <0.5 | <0.5 | <2 | 5.7 | ND |
| | 08/04/98 | 22.75 | 61.31 | 120 | -- | 200 | <1 | <1 | <1 | <4 | 6.2 | ND |
| | 11/03/98 | 23.90 | 60.16 | 59 ¹ | -- | 33 | <0.5 | <0.5 | <0.5 | <2 | 6.1 | ND |
| | 03/31/99 | 23.11 | 60.95 | 130 | -- | 0.56 | <0.5 | <0.5 | <0.5 | <2 | 1.4 | ND |
| | 07/01/99 | 23.40 | 60.66 | 160 | -- | 370 | 19 | 1.2 | 3.5 | <1 | 4.2 | ⁵ |
| | 09/21/99 | 21.91 | 62.15 | 370 | -- | 150 | 1.0 | 0.8 | 0.8 | <5.0 | <5.0 | ND |
| | 02/09/00 | 23.84 | 60.22 | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 2.1 | <0.5 |
| | 05/31/00 | 22.97 | 61.09 | -- | <50 | 5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | ND |
| MW-14 94.66 | 05/26/98 | 21.67 | 72.99 | 41,000 | -- | 7,100 | 11,000 | 720 | 3,900 | <1000 | 440 | ND |
| | 07/01/99 | 22.95 | 71.71 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/21/99 | 24.26 | 70.40 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/09/00 | 24.13 | 70.53 | -- | 92,000 | 12,000 | 17,000 | 1,300 | 8,700 | <140 | 450 | <0.5 |
| | 05/31/00 | 22.09 | 72.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MW-15 94.76 | 05/26/98 | 21.87 | 72.89 | 130,000 | -- | 30,000 | 38,000 | 2,500 | 12,600 | <1000 | 1,200 | ND |
| | 07/01/99 | 22.25 | 72.51 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 09/21/99 | 24.12 | 70.64 | FP | -- | -- | -- | -- | -- | -- | -- | -- |
| | 02/09/00 | 24.42 | 70.34 | -- | 180,000 | 32,000 | 37,000 | 2,800 | 14,000 | <200 | 1,100 | <0.5 |
| | 05/31/00 | 22.40 | 72.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data: Volatile Hydrocarbons and HVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to Groundwater (ft) | Groundwater Elevation (ft) | TVH | TPHg | Benzene | Toluene | Ethyl-benzene | Xylenes | MTBE | 1,2-DCA | Other HVOCs |
|---------|---------------|---------------------------|----------------------------|------------------|------|---------|---------|---------------|---------|------|---------|-------------|
| | | | | <-----ug/l-----> | | | | | | | | |

Abbreviations and Notes:

TOC Elev. (ft) = Top of casing elevation in feet above mean sea level

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

TVH = Total Volatile Hydrocarbons

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tert-butyl ether

1,2-DCA = 1,2 Dichloroethane

HVOCs = Halogenated volatile organic compounds by EPA Method 8010

DCB = 1, 3 Dichlorobenzene

MCB = Chlorobenzene

DBCM = Dibromochloromethane

TCM = Chloroform = trichloromethane

ND = None detected above laboratory reporting limit, see laboratory report for individual reporting limits.

-- = Sample not analyzed

FP = Free product encountered in well

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

MW-1 was initially referred to as Sample 5.

* = 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.

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

5 = One or more of the following substances found: Acetone, 1,2-Dibromoethane, 1,3,5-Trimethylbenzene, 2-Chlorotoluene, 1,2,4-Trimethylbenzene, n-Butylbenzene, and Naphthalene. See laboratory results for details.

6 = Confirmed by GC/MS.

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | TEH <-----> | TPHd | TPHmo | 2-Methyl naphthalene ug/l | Naphthalene | Other SVOCs |
|------------------------------|------------------|---------------------------|----------------------------------|----------------|------|-------|---------------------------------|-------------|-------------|
| MW-1 | 10/05/90 | 26.40 | 68.08 | <500 | -- | -- | -- | -- | -- |
| 94.48 | 03/01/91 | 27.46 | 67.02 | FP | -- | -- | -- | -- | -- |
| | 10/12/92 | 26.44 | 68.04 | -- | -- | -- | -- | -- | -- |
| | 11/24/92 | 26.63 | 67.85 | 4,600 | -- | -- | -- | -- | -- |
| | 04/05/93 | 23.77 | 70.71 | 25,000 | -- | -- | -- | -- | -- |
| | 07/21/93 | 24.51 | 69.97 | FP | -- | -- | -- | -- | -- |
| | 11/09/93 | 26.06 | 68.42 | FP | -- | -- | -- | -- | -- |
| | 08/30/95 | 21.73 | 72.75 | FP | -- | -- | 630 | 1,200 | ND |
| | 12/04/95 | 21.94 | 72.54 | FP | -- | -- | -- | -- | -- |
| | 05/02/96 | 20.65 | 73.83 | 32,000 | -- | -- | 250 | 640 | ND |
| | 11/05/96 | 24.29 | 70.19 | -- | -- | -- | -- | -- | -- |
| | 05/09/97 | 22.79 | 71.69 | 28,000 | -- | -- | 280 | 650 | ND |
| | 11/05/97 | 25.06 | 69.42 | 28,000 | -- | -- | 720 | 1,500 | ND |
| | 02/09/98 | 22.64 | 71.84 | 27,000 | -- | -- | 160 | 570 | ND |
| | 05/01/98 | 19.95 | 74.53 | 29,000 | -- | -- | -- | -- | -- |
| | 05/27/98 | -- | -- | -- | -- | -- | 120 | 630 | ND |
| | 11/03/98 | 23.29 | 71.19 | 37,000 | -- | -- | 500 | 1,100 | ND |
| | 03/24/99 | 22.30 | 72.18 | FP | -- | -- | -- | -- | -- |
| | 07/01/99 | 22.70 | 71.78 | FP | -- | -- | -- | -- | -- |
| | 09/21/99 | 23.81 | 70.67 | FP | -- | -- | -- | -- | -- |
| | 02/09/00 | 23.95 | 70.59 | -- | FP | -- | -- | -- | -- |
| | 05/31/00 | 22.05 | 72.43 | -- | -- | -- | -- | -- | -- |
| MW-2 | 03/01/91 | 27.86 | 66.95 | <50 | -- | -- | -- | -- | -- |
| 94.81 | 11/24/92 | 27.91 | 66.90 | <50 | -- | -- | -- | -- | -- |
| | 04/05/93 | 25.95 | 68.86 | 870 | -- | -- | -- | -- | -- |
| | 07/21/93 | 25.59 | 69.22 | <50 | -- | -- | -- | -- | -- |
| | 11/10/93 | 26.72 | 68.09 | 240 | -- | -- | -- | -- | -- |
| | 08/30/95 | 25.75 | 69.06 | 150 | -- | -- | -- | -- | -- |
| | 05/03/96 | 23.28 | 71.53 | <50 | -- | -- | -- | -- | -- |
| | 05/08/97 | 24.58 | 70.23 | <50 | -- | -- | -- | -- | -- |
| | 04/29/98 | 22.18 | 72.63 | <47 | -- | -- | -- | -- | -- |
| MW-3 | 03/01/91 | 23.17 | 66.91 | <50 | -- | -- | -- | -- | -- |
| 90.08 | 11/25/92 | 23.01 | 67.07 | 160 | -- | -- | -- | -- | -- |
| | 04/05/93 | 22.11 | 67.97 | <50 | -- | -- | -- | -- | -- |
| | 07/21/93 | 23.93 | 66.15 | <50 | -- | -- | -- | -- | -- |

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs
Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | TEH | TPHd | TPHmo | 2-Methyl naphthalene | Naphthalene | Other SVOCs |
|----------------|------------------|---------------------|----------------------------|--------|-----------|-------|----------------------|-------------|-------------|
| TOC Elev. (ft) | <-----ug/l-----> | | | | | | | | |
| | 11/10/93 | 23.14 | 66.94 | <50 | -- | -- | -- | -- | -- |
| | 08/30/95 | 20.61 | 69.47 | <50 | -- | -- | -- | -- | -- |
| | 05/03/96 | 18.43 | 71.65 | <50 | -- | -- | -- | -- | -- |
| | 05/08/97 | 19.77 | 70.31 | <50 | -- | -- | -- | -- | -- |
| | 04/29/98 | 17.92 | 72.16 | <47 | -- | -- | -- | -- | -- |
| MW-4 | 03/01/91 | 23.79 | 65.05 | <500 | -- | -- | -- | -- | -- |
| 88.84 | 10/12/92 | 22.48 | 66.36 | -- | -- | -- | -- | -- | -- |
| | 11/24/92 | 22.60 | 66.24 | 1,600 | -- | -- | -- | -- | -- |
| | 04/02/93 | 20.11 | 68.73 | FP | -- | -- | -- | -- | -- |
| | 07/21/93 | 20.48 | 68.36 | FP | -- | -- | -- | -- | -- |
| | 11/09/93 | 21.71 | 67.13 | FP | -- | -- | -- | -- | -- |
| | 08/30/95 | 19.90 | 68.94 | FP | -- | -- | -- | -- | -- |
| | 12/01/95 | 19.40 | 69.44 | FP | -- | -- | -- | -- | -- |
| | 05/02/96 | 17.50 | 71.34 | 9,200 | -- | -- | -- | -- | -- |
| | 11/04/96 | 20.13 | 68.71 | 4,700 | -- | -- | -- | -- | -- |
| | 05/08/97 | 18.63 | 70.21 | 5,100 | -- | -- | -- | -- | -- |
| | 11/05/97 | 20.19 | 68.65 | 3,700 | -- | -- | -- | -- | -- |
| | 02/09/98 | 18.28 | 70.56 | 4,800 | -- | -- | -- | -- | -- |
| | 05/01/98 | 16.11 | 72.73 | 5,000 | -- | -- | -- | -- | -- |
| | 08/04/98 | 17.54 | 71.30 | 3,500 | -- | -- | -- | -- | -- |
| | 11/02/98 | 19.21 | 69.63 | 7,200 | -- | -- | -- | -- | -- |
| | 03/26/99 | 17.51 | 71.33 | 14,000 | -- | -- | -- | -- | -- |
| | 07/01/99 | 18.80 | 70.04 | 17,000 | -- | -- | 370 | 860 | ND |
| | 09/21/99 | 19.85 | 68.99 | 14,000 | -- | -- | 360 | 820 | ND |
| | 02/09/00 | 19.76 | 69.08 | -- | 12,000 | 1,000 | 290 | 700 | ND |
| | 05/31/00 | 17.90 | 70.94 | -- | 14,000 ** | <500 | -- | -- | -- |
| MW-5 | 03/15/91 | 26.31 | 58.53 | <50 | -- | -- | -- | -- | -- |
| 84.84 | 11/10/92 | 26.83 | 58.01 | 50 | -- | -- | -- | -- | -- |
| | 04/02/93 | 26.62 | 58.22 | <50 | -- | -- | -- | -- | -- |
| | 07/21/93 | 26.60 | 58.24 | 190 | -- | -- | -- | -- | -- |
| | 11/09/93 | 27.24 | 57.60 | 170 | -- | -- | -- | -- | -- |
| | 08/30/95 | 27.46 | 57.38 | 180 | -- | -- | -- | -- | -- |
| | 05/03/96 | 26.02 | 58.82 | <50 | -- | -- | -- | -- | -- |
| | 05/08/97 | 26.76 | 58.08 | <50 | -- | -- | -- | -- | -- |
| | 04/29/98 | 26.55 | 58.29 | <47 | -- | -- | -- | -- | -- |

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | TEH <-----< | TPHd | TPHmo | 2-Methyl naphthalene ug/l | Naphthalene | Other SVOCs -----> |
|------------------------------|------------------|---------------------------|----------------------------------|----------------|------|-------|---------------------------------|-------------|-----------------------|
| MW-6 | 03/15/91 | 25.82 | 59.80 | <50 | -- | -- | -- | -- | -- |
| 85.62 | 10/12/92 | 25.02 | 60.60 | -- | -- | -- | -- | -- | -- |
| | 12/01/92 | 28.87 | 56.75 | FP | -- | -- | -- | -- | -- |
| | 04/02/93 | 26.96 | 58.66 | FP | -- | -- | -- | -- | -- |
| | 07/21/93 | 26.17 | 59.45 | FP | -- | -- | -- | -- | -- |
| | 11/09/93 | 27.51 | 58.11 | FP | -- | -- | -- | -- | -- |
| | 08/30/95 | 28.00 | 57.62 | FP | -- | -- | -- | -- | -- |
| | 12/01/95 | 27.58 | 58.04 | FP | -- | -- | -- | -- | -- |
| | 05/03/96 | 26.83 | 58.79 | 9,000 | -- | -- | -- | -- | -- |
| 86.94 | 05/09/97 | 26.54 | 60.40 | 53,000 | -- | -- | -- | -- | -- |
| | 11/05/97 | 26.16 | 60.78 | 65,000 | -- | -- | -- | -- | -- |
| 85.82 | 05/01/98 | 22.96 | 62.86 | 25,000 | -- | -- | -- | -- | -- |
| | 11/03/98 | 24.35 | 61.47 | 30,000 | -- | -- | -- | -- | -- |
| | 03/26/99 | 23.82 | 62.00 | FP | -- | -- | -- | -- | -- |
| | 07/01/99 | 24.45 | 61.37 | FP | -- | -- | -- | -- | -- |
| | 09/21/99 | 24.58 | 61.24 | FP | -- | -- | -- | -- | -- |
| | 02/09/00 | 24.93 | 61.24 | -- | FP | -- | -- | -- | -- |
| | 05/31/00 | 23.47 | 62.41 | -- | FP | -- | -- | -- | -- |
| MW-7 | 03/15/91 | 21.63 | 63.78 | <50 | -- | -- | -- | -- | -- |
| 85.41 | 11/24/92 | 21.52 | 63.89 | <50 | -- | -- | -- | -- | -- |
| | 04/02/93 | 20.08 | 65.33 | <50 | -- | -- | -- | -- | -- |
| | 07/21/93 | 19.59 | 65.82 | 150 | -- | -- | -- | -- | -- |
| | 11/09/93 | 20.65 | 64.76 | 200 | -- | -- | -- | -- | -- |
| | 08/30/95 | 18.78 | 66.63 | 170 | -- | -- | -- | -- | -- |
| | 12/01/95 | 19.47 | 65.94 | <50 | -- | -- | -- | -- | -- |
| | 05/02/96 | 17.15 | 68.26 | <50 | -- | -- | -- | -- | -- |
| | 08/08/96 | 18.48 | 66.93 | <50 | -- | -- | -- | -- | -- |
| | 11/04/96 | 18.69 | 66.72 | <50 | -- | -- | -- | -- | -- |
| | 02/06/97 | 17.44 | 67.97 | <50 | -- | -- | -- | -- | -- |
| | 05/08/97 | 17.72 | 67.69 | <50 | -- | -- | -- | -- | -- |
| | 08/07/97 | 18.49 | 66.92 | <50 | -- | -- | -- | -- | -- |
| | 11/05/97 | 18.86 | 66.55 | <50 | -- | -- | -- | -- | -- |
| | 02/09/98 | 17.56 | 67.85 | <50 | -- | -- | -- | -- | -- |
| | 04/29/98 | 16.23 | 69.18 | <47 | -- | -- | -- | -- | -- |
| | 08/04/98 | 17.24 | 68.17 | <50 | -- | -- | -- | -- | -- |
| | 11/02/98 | 17.91 | 67.50 | <50 | -- | -- | -- | -- | -- |
| | 03/26/99 | 16.42 | 68.99 | <50 | -- | -- | -- | -- | -- |

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | ug/l | | | | | |
|------------------------------|------------------|---------------------------|----------------------------------|------|---------------|----------------|-------------------------|-------------|-------------|
| | | | | TEH | TPHd | TPHmo | 2-Methyl naphthalene | Naphthalene | Other SVOCs |
| | 07/01/99 | 17.90 | 67.51 | <50 | -- | -- | <10 | <10 | ND |
| | 09/21/99 | 18.91 | 66.50 | <48 | -- | -- | <9.5 | <9.5 | ND |
| | 02/09/00 | 16.74 | 68.67 | -- | <50 | <250 | <10 | <10 | ND |
| | 05/31/00 | 16.21 | 69.20 | -- | <50 | <500 | -- | -- | -- |
| MW-8 85.50 | 10/12/92 | 27.70 | 57.80 | -- | -- | -- | -- | -- | -- |
| | 11/25/92 | 27.62 | 57.88 | 170 | -- | -- | -- | -- | -- |
| | 04/08/93 | 26.64 | 58.86 | 100 | -- | -- | -- | -- | -- |
| | 07/21/93 | 26.60 | 58.90 | 90 | -- | -- | -- | -- | -- |
| | 11/11/93 | 27.18 | 58.32 | 170 | -- | -- | -- | -- | -- |
| | 08/30/95 | 26.35 | 59.15 | 240 | -- | -- | -- | -- | -- |
| | 12/04/95 | 26.72 | 58.78 | <50 | -- | -- | -- | -- | -- |
| | 05/03/96 | 25.47 | 60.03 | 94 | -- | -- | -- | -- | -- |
| | 08/08/96 | 26.41 | 59.09 | 250 | -- | -- | -- | -- | -- |
| | 11/05/96 | 26.77 | 58.73 | <50 | -- | -- | -- | -- | -- |
| | 02/06/97 | 25.84 | 59.66 | 130 | -- | -- | -- | -- | -- |
| | 05/09/97 | 26.39 | 59.11 | 120 | -- | -- | -- | -- | -- |
| | 08/07/97 | 26.72 | 58.78 | 150 | -- | -- | -- | -- | -- |
| | 11/05/97 | 26.82 | 58.68 | 110 | -- | -- | -- | -- | -- |
| | 02/09/98 | 25.57 | 59.93 | 75 | -- | -- | -- | -- | -- |
| | 05/01/98 | 25.64 | 59.86 | 210 | -- | -- | -- | -- | -- |
| | 08/05/98 | 25.96 | 59.54 | 260 | -- | -- | -- | -- | -- |
| | 11/03/98 | 26.27 | 59.23 | 190 | -- | -- | -- | -- | -- |
| | 03/31/99 | 20.93 | 64.57 | 200 | -- | -- | -- | -- | -- |
| | 07/01/99 | 26.59 | 58.91 | 170 | -- | -- | <9.6 | <9.6 | ND |
| | 09/21/99 | 26.89 | 58.61 | 420 | -- | -- | <9.4 | <9.4 | ND |
| | 02/09/00 | 26.60 | 58.90 | -- | 120 | 280 | <10 | <10 | ND |
| | 05/31/00 | 26.16 | 59.34 | -- | 160 ** | <500 | -- | -- | -- |
| MW-9 90.37 | 11/24/92 | 23.51 | 66.86 | 320 | -- | -- | -- | -- | -- |
| | 04/05/93 | 21.14 | 69.23 | 920 | -- | -- | -- | -- | -- |
| | 07/21/93 | 21.54 | 68.83 | 450 | -- | -- | -- | -- | -- |
| | 11/10/93 | 27.53 | 62.84 | 450 | -- | -- | -- | -- | -- |
| | 08/30/95 | 19.59 | 70.78 | 680 | -- | -- | -- | -- | -- |
| | 12/04/95 | 20.65 | 69.72 | -- | -- | -- | -- | -- | -- |
| | 05/02/96 | 18.63 | 71.74 | 710 | -- | -- | -- | -- | -- |
| | 11/05/96 | 20.69 | 69.68 | 420 | -- | -- | -- | -- | -- |

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | TEH | TPHd | TPHmo | 2-Methyl naphthalene | Naphthalene | Other SVOCs |
|------------------------------|------------------|---------------------------|----------------------------------|------------------|---------------|----------------|-------------------------|-------------|-------------|
| | | | | ←-----ug/l-----> | | | | | |
| | 05/09/97 | 19.96 | 70.41 | 490 | -- | -- | -- | -- | -- |
| | 08/08/97 | 20.84 | 69.53 | 480 | -- | -- | -- | -- | -- |
| | 11/05/97 | 21.55 | 68.82 | 370 | -- | -- | -- | -- | -- |
| | 02/09/98 | 20.21 | 70.16 | 410 | -- | -- | -- | -- | -- |
| | 05/01/98 | 19.27 | 71.10 | 450 | -- | -- | -- | -- | -- |
| | 08/05/98 | 19.35 | 71.02 | 630 | -- | -- | -- | -- | -- |
| | 11/02/98 | 20.43 | 69.94 | 500 | -- | -- | -- | -- | -- |
| | 03/25/99 | 18.46 | 71.91 | 630 | -- | -- | -- | -- | -- |
| | 07/01/99 | 19.95 | 70.42 | 570 | -- | -- | <9.5 | <9.5 | ND |
| | 09/21/99 | 21.15 | 69.22 | 770 | -- | -- | <9.4 | <9.4 | ND |
| | 02/09/00 | 21.08 | 69.29 | -- | 320 | <250 | <10 | <10 | ND |
| | 05/31/00 | 19.11 | 71.26 | -- | 390 ** | <500 | -- | -- | -- |
| MW-10 | 10/12/92 | 21.55 | 67.05 | -- | -- | -- | -- | -- | -- |
| 88.60 | 11/24/92 | 21.86 | 66.74 | 1,300 | -- | -- | -- | -- | -- |
| | 04/05/93 | 19.14 | 69.46 | 5,000 | -- | -- | -- | -- | -- |
| | 07/21/93 | 19.79 | 68.81 | 20,000 | -- | -- | -- | -- | -- |
| | 08/30/95 | 17.99 | 70.61 | 5,900 | -- | -- | -- | -- | -- |
| | 05/03/96 | 17.04 | 71.56 | 5,600 | -- | -- | -- | -- | -- |
| | 05/09/97 | 18.36 | 70.24 | 2,500 | -- | -- | -- | -- | -- |
| | 05/01/98 | 15.84 | 72.76 | 2,000 | -- | -- | -- | -- | -- |
| MW-11 | 11/24/92 | 33.65 | 68.41 | 220 | -- | -- | -- | -- | -- |
| 102.06 | 12/8/92* | 33.37 | 68.69 | 140 | -- | -- | -- | -- | -- |
| | 12/08/92 | 33.37 | 68.69 | 120 | -- | -- | -- | -- | -- |
| | 04/05/93 | 31.03 | 71.03 | <50 | -- | -- | -- | -- | -- |
| | 07/21/93 | 31.90 | 70.16 | 150 | -- | -- | -- | -- | -- |
| | 11/09/93 | 32.60 | 69.46 | 60 | -- | -- | -- | -- | -- |
| | 08/30/95 | 28.92 | 73.14 | 240 | -- | -- | -- | -- | -- |
| | 05/03/96 | 28.00 | 74.06 | <50 | -- | -- | -- | -- | -- |
| | 05/08/97 | 29.93 | 72.13 | <50 | -- | -- | -- | -- | -- |
| | 04/29/98 | 27.22 | 74.84 | <47 | -- | -- | -- | -- | -- |

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | TEH | TPHd | TPHmo | 2-Methyl naphthalene | Naphthalene | Other SVOCs |
|----------------|------------------|---------------------|----------------------------|-------|---------------|----------------|----------------------|-------------|-------------|
| TOC Elev. (ft) | ←-----ug/l-----> | | | | | | | | |
| MW-13 | 11/24/92 | 26.05 | 58.01 | 3,600 | -- | -- | -- | -- | -- |
| 84.06 | 12/8/92* | 25.08 | 58.98 | 210 | -- | -- | -- | -- | -- |
| | 12/08/92 | 25.08 | 58.98 | 100 | -- | -- | -- | -- | -- |
| | 04/05/93 | 24.64 | 59.42 | <50 | -- | -- | -- | -- | -- |
| | 07/21/93 | 24.29 | 59.77 | <50 | -- | -- | -- | -- | -- |
| | 11/09/93 | 24.23 | 59.83 | 160 | -- | -- | -- | -- | -- |
| | 08/30/95 | 23.30 | 60.76 | <50 | -- | -- | -- | -- | -- |
| | 12/01/95 | 23.80 | 60.26 | <50 | -- | -- | -- | -- | -- |
| | 05/03/96 | 23.19 | 60.87 | <50 | -- | -- | -- | -- | -- |
| | 08/08/96 | 23.44 | 60.62 | <50 | -- | -- | -- | -- | -- |
| | 11/05/96 | 24.04 | 60.02 | <50 | -- | -- | -- | -- | -- |
| | 02/06/97 | 23.24 | 60.82 | <50 | -- | -- | -- | -- | -- |
| | 05/08/97 | 23.46 | 60.60 | <50 | -- | -- | -- | -- | -- |
| | 08/08/97 | 23.92 | 60.14 | <50 | -- | -- | -- | -- | -- |
| | 11/05/97 | 24.27 | 59.79 | <50 | -- | -- | -- | -- | -- |
| | 02/09/98 | 22.89 | 61.17 | <50 | -- | -- | -- | -- | -- |
| | 04/29/98 | 22.27 | 61.79 | <47 | -- | -- | -- | -- | -- |
| | 08/04/98 | 22.75 | 61.31 | 78 | -- | -- | -- | -- | -- |
| | 11/03/98 | 23.90 | 60.16 | <50 | -- | -- | -- | -- | -- |
| | 03/31/99 | 23.11 | 60.95 | <48 | -- | -- | -- | -- | -- |
| | 07/01/99 | 23.40 | 60.66 | 100 | -- | -- | <9.6 | <9.6 | ND |
| | 09/21/99 | 21.91 | 62.15 | <48 | -- | -- | <9.4 | <9.4 | ND |
| | 02/09/00 | 23.84 | 60.22 | -- | <50 | <250 | <10 | <10 | ND |
| | 05/31/00 | 22.97 | 61.09 | -- | <50 | <500 | -- | -- | -- |
| MW-14 | 05/26/98 | 21.67 | 72.99 | 7,700 | -- | -- | -- | -- | -- |
| 94.66 | 07/01/99 | 22.95 | 71.71 | FP | -- | -- | -- | -- | -- |
| | 09/21/99 | 24.26 | 70.40 | FP | -- | -- | -- | -- | -- |
| | 02/09/00 | 24.13 | 70.53 | -- | 14,000 | 1,500 | 290 | 600 | ND |
| | 05/31/00 | 22.09 | 72.57 | -- | -- | -- | -- | -- | -- |
| MW-15 | 05/26/98 | 21.87 | 72.89 | 1,700 | -- | -- | -- | -- | -- |
| 94.76 | 07/01/99 | 22.25 | 72.51 | FP | -- | -- | -- | -- | -- |

CAMBRIA

Table 2. Groundwater Elevation and Analytical Data: Extractable Hydrocarbons and SVOCs

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Depth to water (ft) | Groundwater Elevation (ft) | TEH | TPHd | TPHmo | 2-Methyl naphthalene | Naphthalene | Other SVOCs |
|---------|-----------------|---------------------|----------------------------|------------------|-------|-------|----------------------|-------------|-------------|
| | | | | <-----ug/l-----> | | | | | |
| | 09/21/99 | 24.12 | 70.64 | FP | -- | -- | -- | -- | -- |
| | 02/09/00 | 24.42 | 70.34 | -- | 4,000 | 1,200 | 50 | 270 | ND |
| | 05/31/00 | 22.40 | 72.36 | -- | -- | -- | -- | -- | -- |

Abbreviations and Notes:

TOC Elev. (ft) = Top of casing elevation, surveyed to an arbitrary datum

TEH = Total extractable hydrocarbons

TPHd = Total petroleum hydrocarbons as diesel

TPHmo = Total petroleum hydrocarbons as motor oil

SVOCs = Semi-volatile organic compounds

Other SVOC's = All other compounds analyzed by EPA Method 8270

ND = None detected above laboratory reporting limit, see laboratory report for individual reporting limits

< n = Not detected above n ug/l

-- = Not analyzed/not available

* = Duplicate sample sent to a different chemical laboratory

** = Does not match diesel pattern

CAMBRIA

Table 3. LUFT Metals in Groundwater

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling Date | Cadmium | Chromium | Lead | Nickel | Zinc |
|---------|---------------|------------------|----------|-------|--------|------|
| | | <-----ug/l-----> | | | | |
| MW-4 | 07/01/99 | <5 | <10 | 59 | <20 | <20 |
| | 09/21/99 | <5 | <10 | 66 | <20 | 33 |
| | 02/09/00 | <5 | 17 | 68 | <50 | <50 |
| MW-7 | 07/01/99 | <5 | <10 | <3 | <20 | <20 |
| | 09/21/99 | <5 | <10 | <3 | <20 | <20 |
| | 02/09/00 | <5 | 14 | 8.6 | 59 | <50 |
| MW-8 | 07/01/99 | <5 | <10 | <3 | <20 | <20 |
| | 09/21/99 | <5 | <10 | <3 | <20 | <20 |
| | 02/09/00 | <5 | <5 | <5 | <50 | <50 |
| MW-9 | 07/01/99 | <5 | <10 | <3 | 34 | <20 |
| | 09/21/99 | <5 | <10 | <3 | 25 | 37 |
| | 02/09/00 | <5 | 82 | 29 | 160 | 130 |
| MW-13 | 07/01/99 | <5 | <10 | <3 | <20 | <20 |
| | 09/21/99 | <5 | <10 | <3 | <20 | <20 |
| | 02/09/00 | <5 | 12 | 15 | <50 | <50 |
| MW-14 | 02/09/00 | <5 | 210 | 24 | 2,500 | 280 |
| MW-15 | 02/09/00 | <5 | 140 | 1,800 | 220 | 150 |

Abbreviations and Notes:

LUFT metals analyzed by EPA Method 6010

ug/l = micrograms per liter

CAMBRIA

Table 4. Liquid-Phase Hydrocarbon Removal -

Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Water (ft) | LPH Thickness (ft) | Hydrocarbons Removed (gallons) | Hydrocarbons Removed (lbs) | Cumulative Hydrocarbons Removed (lbs) | Notes |
|------------------------------|------------------|---------------------------|--------------------------|--------------------------------------|----------------------------------|---|-------|
| MW-1 | 12/23/91 | 26.86 | 1.15 | 2.00 | 12.20 | 12.20 | 1 |
| 94.48 | 12/26/91 | 26.08 | 0.22 | 0.50 | 3.05 | 15.25 | 1 |
| | 01/13/92 | 26.53 | 0.66 | 1.00 | 6.10 | 21.35 | 1 |
| | 02/28/92 | 27.75 | 0.42 | 2.00 | 12.20 | 33.55 | 1 |
| | 11/09/93 | 26.06 | 1.17 | 0.50 | 3.05 | 36.60 | 1 |
| | 11/03/95 | 23.10 | 0.76 | 0.75 | 4.58 | 41.18 | 1 |
| | 11/30/95 | 23.38 | 0.70 | 0.25 | 1.53 | 42.70 | 1 |
| | 01/03/96 | 23.30 | 0.78 | 0.53 | 3.23 | 45.93 | 1 |
| | 02/02/96 | 22.96 | 0.84 | 0.75 | 4.58 | 50.51 | 1 |
| | 03/01/96 | 21.69 | 0.14 | 0.10 | 0.61 | 51.12 | 1 |
| | 04/04/96 | 21.11 | 0.00 | 0.00 | 0.00 | 51.12 | 1 |
| | 05/02/96 | 20.96 | 0.00 | 0.00 | 0.00 | 51.12 | 1 |
| | 06/05/96 | 20.98 | 0.04 | 0.10 | 0.61 | 51.73 | 1 |
| | 07/09/96 | 21.64 | 0.20 | 0.10 | 0.61 | 52.34 | 1 |
| | 08/08/96 | 22.43 | 0.33 | 0.05 | 0.31 | 52.64 | 1 |
| | 09/10/96 | 23.25 | 0.60 | 0.10 | 0.61 | 53.25 | 1 |
| | 10/01/96 | 23.58 | 0.60 | 0.25 | 1.53 | 54.78 | 1 |
| | 11/04/96 | 24.29 | 0.78 | 0.13 | 0.79 | 55.57 | 1 |
| | 12/02/96 | 24.63 | 0.88 | 0.26 | 1.59 | 57.16 | 1 |
| | 01/03/97 | 24.08 | 0.81 | 0.39 | 2.38 | 59.54 | 1 |
| | 02/06/97 | 22.46 | 0.30 | 0.01 | 0.06 | 59.60 | 1 |
| | 03/05/97 | 23.00 | 0.00 | 0.00 | 0.00 | 59.60 | 1 |
| | 04/01/97 | 22.29 | 0.20 | 0.01 | 0.06 | 59.66 | 1 |
| | 05/08/97 | 22.79 | 0.33 | 0.02 | 0.12 | 59.78 | 1 |
| | 06/06/97 | 24.33 | 1.69 | 0.26 | 1.59 | 61.37 | 1 |
| | 07/08/97 | 24.00 | 0.96 | 0.20 | 1.22 | 62.59 | 1 |
| | 08/07/97 | 24.58 | 1.29 | 1.00 | 6.10 | 68.69 | 1 |
| | 09/10/97 | 24.93 | 1.21 | 1.50 | 9.15 | 77.84 | 1 |
| | 10/01/97 | 24.89 | 0.86 | 0.26 | 1.59 | 79.42 | 1 |
| | 11/04/97 | 25.06 | 0.77 | 0.26 | 1.59 | 81.01 | 1 |
| | 12/04/97 | 24.76 | 0.54 | 0.19 | 1.16 | 82.17 | 1 |
| | 01/08/98 | 23.66 | 0.00 | 0.00 | 0.00 | 82.17 | 1 |
| | 02/05/98 | 22.64 | 0.00 | 0.00 | 0.00 | 82.17 | 1 |
| | 03/06/98 | 20.80 | 0.00 | 0.00 | 0.00 | 82.17 | 1 |
| | 04/02/98 | 20.31 | 0.00 | 0.00 | 0.00 | 82.17 | 1 |
| | 04/29/98 | 19.95 | 0.00 | 0.00 | 0.00 | 82.17 | 1 |
| | 06/03/98 | 20.41 | 0.00 | 0.00 | 0.00 | 82.17 | 1 |
| | 07/09/98 | 20.97 | 0.07 | 0.00 | 0.00 | 82.17 | 1 |
| | 08/04/98 | 21.40 | trace | trace | 0.00 | 82.17 | 1 |
| | 08/26/98 | 21.85 | 0.10 | trace | 0.00 | 82.17 | 1 |
| | 11/02/98 | 22.92 | 0.39 | trace | 0.00 | 82.17 | 1 |

CAMBRIA

Table 4. Liquid-Phase Hydrocarbon Removal -
Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Water (ft) | LPH Thickness (ft) | Hydrocarbons Removed (gallons) | Hydrocarbons Removed (lbs) | Cumulative Hydrocarbons Removed (lbs) | Notes |
|------------------------------|------------------|---------------------------|--------------------------|--------------------------------------|----------------------------------|---|-------|
| | 12/04/98 | 23.29 | 0.29 | 0.01 | 0.06 | 82.23 | 1 |
| | 01/05/99 | 23.51 | 0.42 | 0.03 | 0.18 | 82.41 | 1 |
| | 02/08/99 | 23.08 | 0.05 | 0.25 | 1.53 | 83.94 | 1 |
| | 03/24/99 | 21.90 | 0.01 | 0.01 | 0.06 | 84.00 | 1 |
| | 04/30/99 | 21.52 | 0.00 | 0.00 | 0.00 | 84.00 | 1 |
| | 07/01/99 | 22.70 | 0.03 | 0.01 | 0.06 | 84.06 | 1 |
| | 09/21/99 | 23.81 | 0.08 | 0.20 | 1.22 | 85.28 | 1 |
| | 10/20/99 | 23.90 | 0.10 | 0.01 | 0.06 | 85.34 | 1 |
| | 12/13/99 | 24.24 | trace | 0.00 | 0.00 | 85.34 | 1 |
| | 02/09/00 | 23.95 | 0.07 | 0.05 | 0.31 | 85.64 | 1 |
| | 02/15/00 | -- | 0.00 | 0.00 | 0.00 | 85.64 | 2 |
| | 02/25/00 | 23.69 | 0.00 | 0.06 | 0.38 | 86.03 | 2 |
| | 03/03/00 | 23.27 | 0.00 | 0.05 | 0.31 | 86.33 | 2 |
| | 03/28/00 | 22.39 | 0.00 | 0.13 | 0.79 | 87.13 | 2 |
| | 05/02/00 | 22.29 | 0.00 | 0.05 | 0.29 | 87.42 | 2 |
| | 05/31/00 | 22.05 | 0.00 | 0.00 | 0.00 | 87.42 | |
| MW-4 | 12/23/91 | 22.63 | 0.98 | 2.50 | 15.25 | 15.25 | 1 |
| 88.84 | 12/26/91 | 22.52 | 0.96 | 6.00 | 36.60 | 51.85 | 1 |
| | 01/10/92 | 22.74 | 0.99 | 5.00 | 30.50 | 82.35 | 1 |
| | 02/28/92 | 22.00 | 0.67 | 4.00 | 24.40 | 106.75 | 1 |
| | 03/11/92 | 21.71 | 0.55 | 3.50 | 21.35 | 128.10 | 1 |
| | 03/13/92 | 21.56 | 0.49 | 3.50 | 21.35 | 149.45 | 1 |
| | 03/17/92 | 25.46 | 0.44 | 2.25 | 13.73 | 163.18 | 1 |
| | 03/18/92 | 21.38 | 0.44 | 2.50 | 15.25 | 178.43 | 1 |
| | 03/19/92 | 21.33 | 0.48 | 1.50 | 9.15 | 187.58 | 1 |
| | 03/23/92 | 21.29 | 0.42 | 4.00 | 24.40 | 211.98 | 1 |
| | 03/24/92 | 21.31 | 0.38 | 1.50 | 9.15 | 221.13 | 1 |
| | 03/25/92 | 21.17 | 0.36 | 1.00 | 6.10 | 227.23 | 1 |
| | 03/26/92 | 21.08 | 0.35 | 1.00 | 6.10 | 233.33 | 1 |
| | 03/27/92 | 20.92 | 0.26 | 0.50 | 3.05 | 236.38 | 1 |
| | 03/31/92 | 21.15 | 0.44 | 0.50 | 3.05 | 239.43 | 1 |
| | 04/01/92 | 20.90 | 0.24 | 0.25 | 1.53 | 240.95 | 1 |
| | 04/02/92 | 20.90 | 0.17 | 0.13 | 0.79 | 241.74 | 1 |
| | 04/06/92 | -- | -- | 0.13 | 0.79 | 242.54 | 1 |
| | 04/10/92 | 20.91 | 0.33 | 0.25 | 1.53 | 244.06 | 1 |
| | 04/13/92 | 21.04 | 0.42 | 0.25 | 1.53 | 245.59 | 1 |
| | 04/20/92 | 20.74 | 0.19 | 0.13 | 0.79 | 246.38 | 1 |
| | 05/04/92 | 20.83 | 0.33 | 0.13 | 0.79 | 247.17 | 1 |
| | 05/18/92 | 21.33 | 0.23 | 0.13 | 0.79 | 247.97 | 1 |
| | 05/26/92 | 20.83 | 0.17 | 0.13 | 0.79 | 248.76 | 1 |
| | 06/01/92 | 20.85 | 0.19 | 0.06 | 0.37 | 249.12 | 1 |

CAMBRIA

Table 4. Liquid-Phase Hydrocarbon Removal -
Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Water (ft) | LPH Thickness (ft) | Hydrocarbons Removed (gallons) | Hydrocarbons Removed (lbs) | Cumulative Hydrocarbons Removed (lbs) | Notes |
|------------------------------|------------------|---------------------------|--------------------------|--------------------------------------|----------------------------------|---|-------|
| | 06/29/92 | 21.38 | 0.53 | 0.25 | 1.53 | 250.65 | 1 |
| | 07/29/92 | 21.69 | 0.56 | 1.11 | 6.77 | 257.42 | 1 |
| | 08/28/92 | 21.35 | 0.63 | 1.68 | 10.25 | 267.67 | 1 |
| | 04/03/93 | 20.11 | 0.51 | 0.13 | 0.79 | 268.46 | 1 |
| | 11/09/93 | 20.48 | 0.52 | 0.03 | 0.18 | 268.64 | 1 |
| | 08/30/95 | 21.71 | 0.63 | 1.75 | 10.68 | 279.32 | 1 |
| | 10/02/95 | 19.90 | 2.20 | 0.50 | 3.05 | 282.37 | 1 |
| | 11/03/95 | 18.76 | 0.57 | 0.25 | 1.53 | 283.89 | 1 |
| | 11/30/95 | 19.17 | 0.65 | 0.25 | 1.53 | 285.42 | 1 |
| | 01/03/96 | 19.45 | 0.44 | 0.05 | 0.31 | 285.72 | 1 |
| | 02/02/96 | 19.50 | 0.32 | 0.10 | 0.61 | 286.33 | 1 |
| | 03/01/96 | 19.31 | 0.20 | 0.20 | 1.22 | 287.55 | 1 |
| | 04/04/96 | 17.53 | 0.18 | 0.20 | 1.22 | 288.77 | 1 |
| | 05/02/96 | 17.50 | 0.25 | 0.20 | 1.22 | 289.99 | 1 |
| | 06/05/96 | 17.67 | 0.39 | 0.15 | 0.92 | 290.91 | 1 |
| | 07/09/96 | 18.29 | 0.50 | 0.16 | 0.98 | 291.89 | 1 |
| | 08/08/96 | 18.84 | 0.00 | 0.00 | 0.00 | 291.89 | 1 |
| | 09/10/96 | 19.31 | 0.34 | 0.05 | 0.31 | 292.19 | 1 |
| | 10/01/96 | 19.51 | 0.29 | 0.05 | 0.31 | 292.50 | 1 |
| | 11/04/96 | 20.13 | 0.35 | 0.02 | 0.12 | 292.62 | 1 |
| | 12/02/96 | 20.23 | 0.33 | 0.02 | 0.12 | 292.74 | 1 |
| | 01/03/97 | 19.33 | 0.10 | 0.02 | 0.12 | 292.86 | 1 |
| | 02/06/97 | 18.13 | 0.01 | 0.01 | 0.06 | 292.92 | 1 |
| | 04/30/99 | 17.28 | trace | 0.00 | 0.00 | 292.92 | 1 |
| | 02/09/00 | 19.76 | 0.00 | 0.00 | 0.00 | 292.92 | 1 |
| | 02/15/00 | -- | 0.00 | 0.00 | 0.00 | 292.92 | 2 |
| | 02/25/00 | 19.30 | 0.00 | 0.00 | 0.00 | 292.92 | 2 |
| MW-6 | 12/23/91 | 28.40 | 3.21 | 7.50 | 45.75 | 45.75 | 1 |
| 85.62 | 12/26/91 | 27.25 | 1.67 | 2.00 | 12.20 | 57.95 | 1 |
| | 01/10/92 | 27.23 | 0.90 | 1.00 | 6.10 | 64.05 | 1 |
| | 02/04/92 | 27.71 | 2.04 | 2.00 | 12.20 | 76.25 | 1 |
| | 02/28/92 | 27.92 | 3.00 | 3.00 | 18.30 | 94.55 | 1 |
| | 03/10/92 | 27.16 | 2.06 | 2.75 | 16.78 | 111.33 | 1 |
| | 03/12/92 | 25.96 | 0.52 | 2.00 | 12.20 | 123.53 | 1 |
| | 03/23/92 | 26.34 | 1.09 | 1.00 | 6.10 | 129.63 | 1 |
| | 03/30/92 | 25.73 | 0.35 | 0.50 | 3.05 | 132.68 | 1 |
| | 04/10/92 | 25.29 | 0.05 | 0.25 | 1.53 | 134.20 | 1 |
| | 04/13/92 | 25.52 | 0.21 | 0.13 | 0.79 | 134.99 | 1 |
| | 04/20/92 | 25.38 | 0.10 | 0.13 | 0.79 | 135.79 | 1 |
| | 05/04/92 | 25.40 | -- | 0.13 | 0.79 | 136.58 | 1 |
| | 05/08/92 | 25.50 | 0.17 | 0.06 | 0.37 | 136.95 | 1 |

CAMBRIA

Table 4. Liquid-Phase Hydrocarbon Removal -
Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Water (ft) | LPH Thickness (ft) | Hydrocarbons Removed (gallons) | Hydrocarbons Removed (lbs) | Cumulative Hydrocarbons Removed (lbs) | Notes |
|------------------------------|------------------|---------------------------|--------------------------|--------------------------------------|----------------------------------|---|-------|
| | 05/26/92 | 25.46 | 0.13 | 0.13 | 0.79 | 137.74 | 1 |
| | 06/01/92 | 25.46 | 0.09 | 0.06 | 0.37 | 138.10 | 1 |
| | 06/29/92 | 25.59 | 0.14 | 0.19 | 1.16 | 139.26 | 1 |
| | 07/29/92 | 26.90 | 1.71 | 0.60 | 3.66 | 142.92 | 1 |
| | 08/28/92 | 25.09 | 2.62 | 2.40 | 14.64 | 157.56 | 1 |
| | 12/02/92 | -- | -- | 0.00 | 0.00 | 157.56 | 1 |
| | 04/03/93 | 26.96 | 2.86 | 1.75 | 10.68 | 168.24 | 1 |
| | 11/09/93 | 27.51 | 3.06 | 0.83 | 5.06 | 173.30 | 1 |
| | 08/30/95 | 28.00 | 7.96 | 4.50 | 27.45 | 200.75 | 1 |
| | 10/02/95 | 28.24 | 6.14 | 4.00 | 24.40 | 225.15 | 1 |
| | 11/03/95 | 28.39 | 6.13 | 3.00 | 18.30 | 243.45 | 1 |
| | 11/30/95 | 26.91 | 3.44 | 2.50 | 15.25 | 258.70 | 1 |
| | 01/03/96 | 27.58 | 4.41 | 2.50 | 15.25 | 273.95 | 1 |
| | 02/02/95 | 27.58 | 4.37 | 5.00 | 30.50 | 304.45 | 1 |
| | 03/01/96 | 27.96 | 5.15 | 4.00 | 24.40 | 328.85 | 1 |
| | 04/04/96 | 27.96 | 5.41 | 5.00 | 30.50 | 359.35 | 1 |
| | 05/02/96 | 26.83 | 4.66 | 4.50 | 27.45 | 386.80 | 1 |
| | 06/05/96 | 27.15 | 5.17 | 4.00 | 24.40 | 411.20 | 1 |
| | 07/09/96 | 27.08 | 4.86 | 4.50 | 27.45 | 438.65 | 1 |
| | 08/08/96 | 26.71 | 4.05 | 4.00 | 24.40 | 463.05 | 1 |
| | 09/10/96 | 26.83 | 3.82 | 3.50 | 21.35 | 484.40 | 1 |
| | 10/01/96 | 26.96 | 3.77 | 4.00 | 24.40 | 508.80 | 1 |
| | 11/04/96 | -- | -- | NM | NM | NM | 4 |
| 86.94 | 12/02/96 | -- | -- | NM | NM | NM | 4 |
| | 01/03/97 | -- | -- | NM | NM | NM | 4 |
| | 02/06/97 | 25.08 | 0.20 | NM | NM | NM | 4 |
| | 03/05/97 | 24.20 | 0.00 | NM | NM | NM | 4 |
| | 04/01/97 | 24.04 | 0.00 | NM | NM | NM | 4 |
| | 05/08/97 | 26.54 | 1.88 | 0.40 | 2.44 | 511.24 | 1 |
| | 06/06/97 | 25.33 | 0.21 | 0.03 | 0.18 | 511.42 | 1 |
| | 07/08/97 | 25.30 | 0.07 | 0.00 | 0.00 | 511.42 | 1 |
| | 08/07/97 | 25.52 | 0.00 | 0.00 | 0.00 | 511.42 | 1 |
| | 09/10/97 | 25.76 | 0.00 | 0.00 | 0.00 | 511.42 | 1 |
| | 10/01/97 | 25.12 | 0.00 | 0.00 | 0.00 | 511.42 | 1 |
| | 11/04/97 | 26.16 | 0.18 | 0.02 | 0.12 | 511.55 | 1 |
| | 12/04/97 | 26.08 | 0.16 | 0.05 | 0.31 | 511.85 | 1 |
| | 01/08/98 | 25.79 | 0.10 | 0.66 | 4.03 | 515.88 | 1 |
| | 02/05/98 | 25.31 | 0.89 | NM | NM | NM | 4 |
| | 03/06/98 | 24.63 | 0.46 | 0.04 | 0.24 | 516.12 | 1 |
| 85.82 | 04/02/98 | 24.45 | 0.59 | 0.10 | 0.61 | 516.73 | 1 |
| | 04/29/98 | 22.96 | 0.55 | 0.09 | 0.55 | 517.28 | 1 |
| | 06/03/98 | 22.81 | 0.41 | 0.03 | 0.18 | 517.46 | 1 |

CAMBRIA

Table 4. Liquid-Phase Hydrocarbon Removal -
Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID TOC Elev. (ft) | Sampling Date | Depth to Water (ft) | LPH Thickness (ft) | Hydrocarbons Removed (gallons) | Hydrocarbons Removed (lbs) | Cumulative Hydrocarbons Removed (lbs) | Notes |
|------------------------------|------------------|---------------------------|--------------------------|--------------------------------------|----------------------------------|---|-------|
| | 07/09/98 | 23.04 | 0.35 | 0.05 | 0.31 | 517.77 | 1 |
| | 08/04/98 | 23.29 | 0.35 | 0.04 | 0.24 | 518.01 | 1 |
| | 08/26/98 | 23.50 | 0.31 | 0.01 | 0.06 | 518.07 | 1 |
| | 11/02/98 | 24.24 | 0.43 | 0.02 | 0.12 | 518.20 | 1 |
| | 12/04/98 | 24.35 | 0.32 | 0.01 | 0.06 | 518.26 | 1 |
| | 01/05/99 | 24.51 | 0.40 | 0.03 | 0.18 | 518.44 | 1 |
| | 02/08/99 | 24.00 | 0.03 | 0.13 | 0.76 | 519.20 | 1 |
| | 03/24/99 | 23.82 | 0.19 | 0.03 | 0.18 | 519.38 | 1 |
| | 04/30/99 | 23.60 | 1.13 | 0.10 | 0.61 | 519.99 | 1 |
| | 07/01/99 | 24.45 | 0.42 | 0.06 | 0.38 | 520.38 | 1 |
| | 07/27/99 | 25.35 | 0.24 | 0.06 | 0.38 | 520.76 | 1 |
| | 08/19/99 | 24.87 | 0.24 | 0.06 | 0.37 | 521.12 | 1 |
| | 09/21/99 | 24.58 | 0.10 | 0.20 | 1.22 | 522.34 | 1 |
| | 10/20/99 | 25.05 | 0.17 | 0.20 | 1.22 | 523.56 | 1 |
| | 12/13/99 | 25.08 | 0.10 | 0.06 | 0.37 | 523.93 | 1 |
| | 02/09/00 | 24.93 | 0.44 | 0.25 | 1.53 | 525.45 | 1 |
| | 02/15/00 | -- | 0.00 | 0.07 | 0.43 | 525.88 | 3 |
| | 02/25/00 | 24.23 | 0.00 | 0.01 | 0.06 | 525.94 | 3 |
| | 03/03/00 | 24.00 | 0.00 | 0.00 | 0.01 | 525.95 | 3 |
| | 03/28/00 | 23.54 | 0.00 | 0.05 | 0.31 | 526.26 | 3 |
| | 05/02/00 | 23.52 | 0.06 | 0.03 | 0.15 | 526.41 | 3 |
| | 05/31/00 | 23.39 | 0.08 | 0.00 | 0.00 | 526.41 | |
| MW-9 90.37 | 08/08/96 | 19.89 | 0.35 | 0.10 | 0.61 | 0.61 | 1 |
| MW-14 94.66 | 12/04/98 | 23.42 | 0.23 | 0.01 | 0.06 | 0.06 | 1 |
| | 01/05/99 | 23.36 | 0.12 | 0.01 | 0.06 | 0.12 | 1 |
| | 02/08/99 | 23.17 | trace | 0.01 | 0.06 | 0.18 | 1 |
| | 03/24/99 | 22.08 | trace | trace | 0.00 | 0.18 | 1 |
| | 04/30/99 | 21.17 | 0.01 | trace | 0.00 | 0.18 | 1 |
| | 07/01/99 | 22.95 | 0.04 | trace | 0.00 | 0.18 | 1 |
| | 09/21/99 | 24.26 | trace | trace | 0.00 | 0.18 | 1 |
| | 10/20/99 | 24.10 | 0.00 | 0.00 | 0.00 | 0.18 | 1 |
| | 02/09/00 | 24.13 | 0.00 | 0.00 | 0.00 | 0.18 | 1 |
| | 02/15/00 | -- | 0.00 | 0.00 | 0.00 | 0.18 | 1 |
| | 02/25/00 | -- | 0.00 | 0.00 | 0.00 | 0.18 | 2 |
| | 03/03/00 | 23.27 | 0.00 | 0.05 | 0.31 | 0.49 | 2 |
| | 03/28/00 | 22.40 | 0.00 | 0.13 | 0.76 | 1.25 | 2 |
| | 05/02/00 | 22.22 | 0.00 | 0.04 | 0.24 | 1.49 | 2 |
| | 05/31/00 | 22.09 | 0.00 | 0.00 | 0.00 | 1.49 | |

CAMBRIA

Table 4. Liquid-Phase Hydrocarbon Removal -
Connell Automobile Dealership, 3093 Broadway, Oakland, California

| Well ID | Sampling | Depth to | LPH | Hydrocarbons | Hydrocarbons | Cumulative | Notes |
|------------------|----------|----------|-----------|--------------|--------------|---------------|-------|
| <i>TOC Elev.</i> | Date | Water | Thickness | Removed | Removed | Hydrocarbons | |
| (ft) | | (ft) | (ft) | (gallons) | (lbs) | Removed (lbs) | |
| MW-15 | 09/20/99 | 24.12 | trace | trace | 0.00 | 0.00 | 1 |
| 94.76 | 10/20/99 | 24.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |
| | 12/13/99 | 24.61 | 0.00 | 0.00 | 0.00 | 0.00 | 1 |

Abbreviations and Notes:

TOC Elev. (ft) = Top of casing elevation, surveyed to an arbitrary datum

-- = Not measured or not applicable

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

1 = LPH removed by manual bailing

2 = LPH removed from well by absorbent sock

3 = LPH removed from well by passive skimmer

4 = vapor extraction system operating in well

Liquid-phase hydrocarbons (LPH) converted from volume to weight using the relation 1 gallon LPH= 6.1 pounds.

ATTACHMENT A

Analytical Laboratory Report



C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 00-0753
Client: Cambria Environmental
Project: 3093 Broadway/ 425-1580

Date Reported: 06/09/2000

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel, Motor Oil Hydrocarbons by Method 8015M

Table with 6 columns: Analyte, Method, Result, Unit, Date Sampled, Date Analyzed. Contains two sample entries (MW-4 and MW-7) with various analyte results.

*Does not match diesel pattern **Confirmed by GC/MS



North State Environmental Laboratory

CA ELAP# 1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 00-0753
Client: Cambria Environmental
Project: 3093 Broadway/ 425-1580

Date Reported: 06/09/2000

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel, Motor Oil Hydrocarbons by Method 8015M

| Analyte | Method | Result | Unit | Date Sampled | Date Analyzed |
|--------------------|--------|----------------------|------|--------------|---------------|
| Sample: 00-0753-03 | | Client ID: MW-8-PRE | | 05/31/2000 | WATER |
| Gasoline | 8015M | 2300 | ug/L | | 06/05/2000 |
| Benzene | 8020 | 740 | ug/L | | |
| Ethylbenzene | 8020 | 40 | ug/L | | |
| MTBE | 8020 | ND | | | |
| Toluene | 8020 | 16 | ug/L | | |
| Xylenes | 8020 | 13 | ug/L | | |
| Diesel | 8015M | 0.3 | mg/L | | 06/06/2000 |
| Motor Oil | 8015M | ND | | | |
| Sample: 00-0753-04 | | Client ID: MW-8-POST | | 05/31/2000 | WATER |
| Gasoline | 8015M | 380 | ug/L | | 06/05/2000 |
| Benzene | 8020 | 85 | ug/L | | |
| Ethylbenzene | 8020 | 4 | ug/L | | |
| MTBE | 8020 | ND | | | |
| Toluene | 8020 | 2 | ug/L | | |
| Xylenes | 8020 | 3 | ug/L | | |
| Diesel | 8015M | *0.16 | mg/L | | 06/06/2000 |
| Motor Oil | 8015M | ND | | | |

*Does not match diesel pattern **Confirmed by GC/MS



North State Environmental Laboratory

CA ELAP# 1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 00-0753
Client: Cambria Environmental
Project: 3093 Broadway/ 425-1580

Date Reported: 06/09/2000

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel, Motor Oil Hydrocarbons by Method 8015M

| Analyte | Method | Result | Unit | Date Sampled | Date Analyzed |
|--------------------|--------|------------------|------|--------------|---------------|
| Sample: 00-0753-05 | | Client ID: MW-9 | | 05/31/2000 | WATER |
| Gasoline | 8015M | 1500 | ug/L | | 06/05/2000 |
| Benzene | 8020 | 170 | ug/L | | |
| Ethylbenzene | 8020 | 25 | ug/L | | |
| MTBE | 8020 | ND | | | |
| Toluene | 8020 | 13 | ug/L | | |
| Xylenes | 8020 | ND | | | |
| Diesel | 8015M | *0.39 | mg/L | | 06/06/2000 |
| Motor Oil | 8015M | ND | | | |
| Sample: 00-0753-06 | | Client ID: MW-13 | | 05/31/2000 | WATER |
| Gasoline | 8015M | ND | | | 06/05/2000 |
| Benzene | 8020 | 5 | ug/L | | |
| Ethylbenzene | 8020 | ND | | | |
| MTBE | 8020 | ND | | | |
| Toluene | 8020 | ND | | | |
| Xylenes | 8020 | ND | | | |
| Diesel | 8015M | ND | | | 06/06/2000 |
| Motor Oil | 8015M | ND | | | |



C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

Lab Number: 00-0753
Client: Cambria Environmental
Project: 3093 Broadway/ 425-1580

Date Reported: 06/09/2000

Gasoline, BTEX and MTBE by Methods 8015M and 8020
Diesel, Motor Oil Hydrocarbons by Method 8015M

Table with 7 columns: Analyte, Method, Reporting Limit, Unit, Blank, Avg MS/MSD Recovery, RPD. Rows include Gasoline, Benzene, Ethylbenzene, Toluene, Xylenes, MTBE, Diesel, and Motor Oil.

ELAP Certificate NO:1753

Reviewed and Approved

Handwritten signature of John A. Murphy

John A. Murphy, Laboratory Director



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 00-0753
Client : Cambria Environmental
Project : 3093 Broadway/ 425-1580

Date Sampled : 05/31/2000
Date Analyzed: 06/05/2000
Date Reported: 06/09/2000

8010 Volatile Organics by GC/MS

Table with 7 columns: Laboratory Number, Client ID, Matrix, Analyte, and results for samples 00-0753-01 through 00-0753-06. Analytes include Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, Methylene Chloride, t-1,2-Dichloroethene, 1,1-Dichloroethane, c-1,2-Dichloroethene, Chloroform, 1,1,1-Trichloroethane, Carbon Tetrachloride, 1,2-Dichloroethane, Trichloroethene, Bromodichloromethane, t-1,3-Dichloropropene, c-1,3-Trichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, Dibromobenzene, Chlorobenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, Trichlorotrifluoroethane, 1,2-Dibromoethane, SUR-Dibromofluoromethane, SUR-Toluene d8, and SUR-4-Bromofluorobenzene.



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 00-0753
Client : Cambria Environmental
Project : 3093 Broadway/ 425-1580

Date Sampled : 05/31/2000
Date Analyzed: 06/05/2000
Date Reported: 06/09/2000

8010 Volatile Organics by GC/MS
Quality Control/Quality Assurance Summary

Table with columns: Laboratory Number, Client ID, Matrix, Analyte, Results ug/L, MS/MSD Recovery, %Recoveries, RPD. Lists various chemical analytes and their corresponding results and recovery percentages.

Reviewed and Approved

John A. Murphy
Laboratory Director

WELL DEPTH MEASUREMENTS

| Well ID | Time | Product Depth | Water Depth | Product Thickness | Well Depth | Comments |
|---------|-------|---------------|-------------|-------------------|------------|---------------------------------------|
| MW-7 | 10:15 | | 16.21' | | | no bolts in vault box |
| MW-13 | 10:20 | | 22.97' | | | |
| MW-8 | 10:26 | | 26.16' | | | 6" diam. |
| MW-9 | 10:30 | | 19.11' | | | lock won't latch |
| MW-4 | 10:35 | | 17.90' | | | |
| MW-6 | 10:33 | 23.39 | 23.47' | 0.08' | — | one bolt missing from vault box cover |
| MW-15 | 2:15 | none | 22.40' | — | | |
| MW-14 | 2:19 | none | 22.09' | — | | |
| MW-1 | 2:26 | none | 22.05' | — | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Project Name: Connell
 Measured By: CB/JJ

Project Number: 452-1580
 Date: 5/31/00

WELL SAMPLING FORM

| | | |
|---|----------------------------------|------------------------------------|
| Project Name: Connell | Cambria Mgr: RWS | Well ID: MW-4 |
| Project Number: 425-1580 | Date: | Well Yield: ----- |
| Site Address: 3093 Broadway Oakland, California | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): JJ/CB |
| Initial Depth to Water: 17.90' | Total Well Depth: 26.00' | Water Column Height: 8.10' |
| Volume/ft: .16 gal/ft | 1 Casing Volume: 1.30 gal | 3 Casing Volumes: 3.89 gal |
| Purging Device: bailer | Did Well Dewater?: no | Total Gallons Purged: 4 gal |
| Start Purge Time: 12:32 | Stop Purge Time: 12:43 | Total Time: 11 min |

1 Casing Volume = Water column height x Volume/ft.

| Well Diam. | Volume/ft (gallons) |
|------------|---------------------|
| 2" | 0.16 |
| 4" | 0.65 |
| 6" | 1.47 |

| Time | Casing Volume | Temp. °C | pH | Cond. µS | Comments |
|-------|---------------|----------|-----|----------|--|
| 12:34 | 1 | 20.6 | 8.2 | 695 | sheen on purge water in bucket, odor of hydrocarbons |
| 12:38 | 2 | 20.3 | 7.8 | 709 | |
| 12:42 | 3 | 20.2 | 7.7 | 628 | |

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|------------|----------------|-------------|-----------------------|--------------|---|--|
| MW4 | 5/21/00 | 1330 | 6 vov's | HCL | TPHg, BTEX, MTBE, SVOCs, HVOCs | 8015M/8020, confirm MTBE 8260, SVOCs by 8270, 8010 list |
| | | | 2-1L ambers | none | TPHd/TPHmo | 8015 multi-range |
| | | | 1-0.5L plastic | none | Luft 5 Metals - Pb, Cr, Cd, Zn, Ni | |

WELL SAMPLING FORM

| | | |
|---|----------------------------------|------------------------------------|
| Project Name: Connell | Cambria Mgr: RWS | Well ID: MW-7 |
| Project Number: 425-1580 | Date: 5/31/00 | Well Yield: ----- |
| Site Address: 3093 Broadway Oakland, California | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): JJ/CB |
| Initial Depth to Water: 16.21' | Total Well Depth: 30.00' | Water Column Height: 13.79' |
| Volume/ft: .16 gal/ft | 1 Casing Volume: 2.21 gal | 3 Casing Volumes: 6.62 gal |
| Purging Device: bailer | Did Well Dewater?: no | Total Gallons Purged: ~7gal |
| Start Purge Time: 1208 | Stop Purge Time: 1221 | Total Time: 13 min |

1 Casing Volume = Water column height x Volume/ ft.

| Well Diam. | Volume/ft (gallons) |
|------------|---------------------|
| 2" | 0.16 |
| 4" | 0.65 |
| 6" | 1.47 |

| Time | Casing Volume | Temp. °C | pH | Cond. µS | Comments |
|------|---------------|----------|-----|----------|----------|
| 1208 | 1 | 19.9 | 2.1 | 367 | |
| 1215 | 2 | 19.9 | 2.2 | 375 | |
| 1220 | 3 | 19.8 | 2.2 | 375 | |

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------|---------|------|--------------------------------|-----------------|---|---|
| MW7 | 5/31/00 | 1235 | 6 vov's | HCL | TPHg, BTEX, MTBE SVOCs HVOCs | 8015M/8020, confirm MTBE 8260, SVOCs by 8270, 8010 list |
| | | | 1 1/2- 1L ambers | none | TPHd/TPHmo | 8015 multi- range |
| | | | 1- 0.5L plastic | none | Luft 5 Metals - Pb, Cr, Cd, Zn, Ni | |

WELL SAMPLING FORM

| | | |
|---|----------------------------------|--------------------------------------|
| Project Name: Connell | Cambria Mgr: RWS | Well ID: MW-8 |
| Project Number: 425-1580 | Date: 5/31/00 | Well Yield: ----- |
| Site Address: 3093 Broadway Oakland, California | Sampling Method: | Well Diameter: 6" pvc |
| | Disposable bailer | Technician(s): 8/CB |
| Initial Depth to Water: 26.16' | Total Well Depth: 39.50' | Water Column Height: 13.34' |
| Volume/ft: 1.47 | 1 Casing Volume: 19.4 gal | 3 Casing Volumes: 57.83 gal |
| Purging Device: Salmeris 18 pump | Did Well Dewater?: yes | Total Gallons Purged: 245 gal |
| Start Purge Time: 1116 | Stop Purge Time: 1137 | Total Time: 21 min |

1 Casing Volume = Water column height x Volume/ft.

| Well Diam. | Volume/ft (gallons) |
|------------|---------------------|
| 2" | 0.16 |
| 4" | 0.65 |
| 6" | 1.47 |

| Time | Casing Volume | Temp. °C | pH | Cond. µS | Comments |
|------|---------------|----------|-----|----------|----------|
| 1119 | 1 | 21.8 | 7.5 | 749 | |
| 1122 | 1 | 21.4 | 7.2 | 778 | |
| 1128 | 2 | 21.6 | 7.1 | 1091 | |
| 1131 | 2 | 21.5 | 6.8 | 1115 | |
| 1136 | 3 | 21.4 | 7.2 | 1140 | |

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------|---------|-------|-----------------|--------------|---|---|
| MW-8-pre | 5/31/00 | 11:00 | 6 vials | HCL | TPHg, BTEX, MTBE, SVOCs , HVOCS | 8015M/8020, confirm MTBE 8260, SVOCs by 8270, 8010 list |
| MW-8-post | | 12:00 | 2- 1L ambers | none | TPHd/TPHmo | 8015 multi-range |
| | | | 1- 0.5L plastic | none | Luft 5 Metals - Pb, Cr, Cd, Zn, Ni | |

Same for both

WELL SAMPLING FORM

| | | |
|---|----------------------------------|--------------------------------------|
| Project Name: Connell | Cambria Mgr: RWS | Well ID: MW-9 |
| Project Number: 425-1580 | Date: | Well Yield: ----- |
| Site Address: 3093 Broadway Oakland, California | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): JJ/CB |
| Initial Depth to Water: 19.11' | Total Well Depth: 30.00' | Water Column Height: 10.89' |
| Volume/ft: .16 gal/ft | 1 Casing Volume: 1.75 gal | 3 Casing Volumes: 5.25 gal |
| Purging Device: bailer | Did Well Dewater?: yes | Total Gallons Purged: 3.0 gal |
| Start Purge Time: 11:28 | Stop Purge Time: 11:39 | Total Time: 11 min. |

1 Casing Volume = Water column height x Volume/ ft.

| Well Diam. | Volume/ft (gallons) |
|------------|---------------------|
| 2" | 0.16 |
| 4" | 0.65 |
| 6" | 1.47 |

| Time | Casing Volume | Temp. °C | pH | Cond. µS | Comments |
|-------|---------------|----------|-----|----------|---|
| 11:31 | 1 | 20.6 | 8.6 | 708 | |
| 11:38 | 2 | 21.3 | 7.7 | 720 | ← low confidence - well was de-watering |

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------------|-----------------|------------------|----------------------------|-----------------|---|---|
| MW-9 | 5/31 | 12:03 | 6 voa's | HCL | TPHg, BTEX, MTBE SVOCs HVOCs | 8015M/8020, confirm MTBE 8260, SVOCs by 8270, 8010 list |
| MW-9 | 5/31 | 12:03 | 2- 1L ambers | none | TPHd/TPHmo | 8015 multi-range |
| MW-9 | 5/31 | 12:03 | 1- 0.5L plastic | none | Luft 5 Metals - Pb, Cr, Cd, Zn, Ni | |

WELL SAMPLING FORM

| | | |
|---|----------------------------------|------------------------------------|
| Project Name: Connell | Cambria Mgr: RWS | Well ID: MW-13 |
| Project Number: 425-1580 | Date: 5/31/00 | Well Yield: ----- |
| Site Address: 3093 Broadway Oakland, California | Sampling Method: | Well Diameter: 2 " pvc |
| | Disposable bailer | Technician(s): jj/cb |
| Initial Depth to Water: 22.97' | Total Well Depth: 39.00' | Water Column Height: 16.03' |
| Volume/ft: 0.16 | 1 Casing Volume: 2.57 gal | 3 Casing Volumes: 7.71 gal |
| Purging Device: bailer | Did Well Dewater?: no | Total Gallons Purged: 8 |
| Start Purge Time: 1:05 | Stop Purge Time: 1:24 | Total Time: 19 min. |

1 Casing Volume = Water column height x Volume/ ft.

| Well Diam. | Volume/ft (gallons) |
|------------|---------------------|
| 2" | 0.16 |
| 4" | 0.65 |
| 6" | 1.47 |

| Time | Casing Volume | Temp. °C | pH | Cond. µS | Comments |
|-------------|---------------|--------------|------------|------------|----------|
| 1:10 | 1 | 20.2° | 7.7 | 858 | |
| 1:16 | 2 | 20.0° | 7.0 | 798 | |
| 1:23 | 3 | 20.0° | 7.2 | 843 | |

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|--------------|-------------|-------------|----------------------------|--------------|--|--|
| MW-13 | 5/31 | 1:35 | 6 vov's | HCL | TPHg, BTEX, MTBE SVOCs HVOCs | 8015M/8020, confirm MTBE 8260, SVOCs by 8270, 8010 list |
| MW-13 | 5/31 | 1:35 | 4- 1L ambers | none | TPHd/TPHmo | 8015 multi- range |
| | | | 1- 0.5L plastic | none | Luft 5 Metals - Pb, Cr, Cd, Zn, Ni | |

Product Removal Form Connell Automobile Dealership, Oakland, CA

By: M. ERICKSON Date: 3/28/00

Project and Task #: 425-1580-1)

| Well | Treatment | Time | Gallons Removed* | DTW/ DTP | Comments |
|-------|-----------|------|------------------|-------------|--|
| MW-1 | SoakEase | 1:49 | .125 | 22.39' | 16 OZ OF PRODUCT REMOVED |
| MW-6 | Skimmer | 1:22 | 0.05 | 23.57' | 5" IN RIPPAN SIZE SKIMMER GAS LOOKS CLEAR |
| MW-14 | SoakEase | 2:00 | .125 | 22.40' | 16 OZ OF PRODUCT REMOVED |

* If SoakEase is removed, wring out used sock into bucket and estimate vol. removed. Saturated socks theoretically hold about 1 quart (0.25 gal) of product. Skimmer receptacle holds about 1/2 quart (0.14 gal) of product.

Notes

MW-6 ; TD 32.66' DTW: 23.57'
 MW-1 ; TD 34.60' DTW: 22.39'
 REPLACED W/NEW SOAK EASE.
 MW-14 TD 32.80' DTW: 22.40'
 REPLACED W/NEW SOAK EASE

11 EMPTY DRUMS (55 GAL) ON SITE.
 1 PRODUCT DRUM.

No. of Product Drums Onsite: 1

Drum capacity available: 95% 1-10 GAL STEEL

Product Removal Form Connell Automobile Dealership, Oakland, CA

By: M. ERICSON Date: 5/2/00

Project and Task #: 425-1580-1

| Well | Treatment | Time | Gallons Removed* | DTW/ DTP | Comments |
|-------|-----------|------|------------------|------------------|--------------------|
| MW-1 | SoakEase | 2:07 | .047 | 22.29' | REPLACED SOAK EASE |
| MW-6 | Skimmer | 1:58 | .025 | 23.52/ 23.46' | 0.06' SPH. |
| MW-14 | SoakEase | 2:23 | .04 | 22.22' | REPLACE SOAK EASE |

* If SoakEase is removed, wring out used sock into bucket and estimate vol. removed. Saturated socks theoretically hold about 1 quart (0.25 gal) of product. Skimmer receptacle holds about 1/2 quart (0.14 gal) of product.

Notes

- ARRIVE @ SITE 1:45
- OPEN WELLS & CHECK AMOUNT OF SPH COLLECTED
- SKIMMER RECEPTACLE IN BOTTOM OF WELL ABLE TO RECOVER .5 hr.
- LEAVE SITE @ 2:30.
- DONE 3:50 FINISH BAILING EVENT.

No. of Product Drums Onsite: 1 - 7.5 GAL

Drum capacity available: 90%

Product Removal Form Connell Automobile Dealership, Oakland, CA

By: JD/CB Date: 5/31/00

Project and Task #: 425-1580-011

| Well | Treatment | Time | Gallons Removed* | DTW/ DTP | Comments |
|-------|-----------|-------|------------------|-----------------|---|
| MW-1 | SoakEase | 2:26 | ∅ | 22.05/AD | no product observed |
| MW-6 | Skimmer | 10:35 | ∅ | 23.29/ 23.47 | skimmer held water only, reset skimmer |
| MW-14 | SoakEase | 2:19 | ∅ | 22.09/ NA | no product observed |

* If SoakEase is removed, wring out used sock into bucket and estimate vol. removed. Saturated socks theoretically hold about 1 quart (0.25 gal) of product. Skimmer receptacle holds about 1/2 quart (0.14 gal) of product.

Notes No product in skimmer.

MW-1 + MW-14: Soak-Eases were clean & were not replaced.

No. of Product Drums Onsite: _____

Drum capacity available: _____