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1626 Vallejo Street, San Francisco, CA 94123-5116

April 22, 2006

Mr. Don Hwang
Hazardous Materials Specialist
ACHCSA
Suite 250
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700 / FAX 337-9335

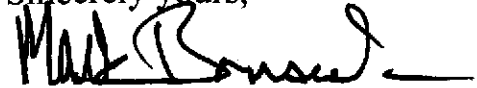
Alameda County
APR 25 2006
Environmental Health

SUBJECT: IQ06 Groundwater Monitoring Report
1432 Harrison St., Oakland, CA 94612
Site ID: 498

Dear Mr. Hwang:

Attached is the IQ06 Groundwater Monitoring Report for the above site. If you have a question, please call me.

Sincerely yours,



Mark Borsuk

April 18, 2006

Mr. Mark Borsuk
1626 Vallejo St.
San Francisco, CA 94123-5116

Alameda County
APR 25 2006
Environmental Health

Re: **Groundwater Monitoring Report
First Quarter 2006**
Allright Parking
1432 Harrison Street
Oakland, California
Cambria Project #540-0188



Dear Mr. Borsuk:

As requested, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring Report – First Quarter 2006*. Presented in the report are the first quarter 2006 activities and results, and the anticipated second quarter 2006 activities. Please forward the original report to Mr. Don Hwang with the Alameda County Health Care Services Agency (ACHCSA). A copy of the report is also for your file.

If you have any questions or comments regarding this report, please call me at (510) 420-3361.

Sincerely,

Cambria Environmental Technology, Inc.

Subbarao Nagulapaty
Project Engineer

Attachments: *Groundwater Monitoring Report - First Quarter 2006* (1 original and 1 copy)

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
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Fax (510) 420-9170

GROUNDWATER MONITORING REPORT

FIRST QUARTER 2006

Allright Parking
1432 Harrison Street
Oakland, California
Cambria Project #540-0188

April 18, 2006

Prepared for:

Mr. Mark Borsuk
1626 Vallejo Street
San Francisco, California 94123-5116

Prepared by:

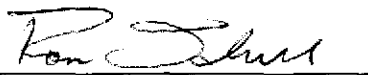
Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, California 94608

Written by:

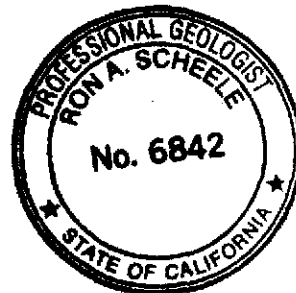


Glenn Reiss
Staff Geologist

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Ron Scheele, P.G.
Senior Geologist



GROUNDWATER MONITORING REPORT

FIRST QUARTER 2006

Allright Parking
1432 Harrison Street
Oakland, California
Cambria Project #540-0188

April 18, 2006



INTRODUCTION

On behalf of Mr. Mark Borsuk, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring Report – First Quarter 2006* for the above-referenced site (see Figure 1). Presented in this report are the first quarter 2006 groundwater monitoring activities and results, and the anticipated second quarter 2006 activities.

FIRST QUARTER 2006 ACTIVITIES AND RESULTS

Monitoring Activities


Field Activities: On March 26, 2006, Cambria coordinated with Muskan Environmental Sampling (MES) to conduct quarterly monitoring activities. MES gauged groundwater levels and inspected for separate-phase hydrocarbons (SPH) in all monitoring wells. SPH was not detected in any of the wells and groundwater samples were collected from wells MW-1 through MW-6. Groundwater monitoring field data sheets are presented as Appendix A. The groundwater monitoring data has been submitted to the GeoTracker database.

Sample Analyses: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) by EPA Method 8021B. All analyses were performed by McCampbell Analytical, Inc. of Pacheco, California. The laboratory analytical report is included as Appendix B. Hydrocarbon concentrations are shown on Figure 1 and Table 1. The analytical data were submitted to the GeoTracker database.

Monitoring Results

Groundwater Flow Direction: Based on depth-to-water measurements collected during the March 26, 2006 site visit, groundwater beneath the site flows toward the north-northeast at a gradient of 0.004 feet/foot. Groundwater flow conditions observed during the first quarter 2006 are consistent

with conditions observed during previous monitoring events. Groundwater elevation data is presented in Figure 1 and Table 1.



Hydrocarbon Distribution in Groundwater: Hydrocarbon concentrations were detected in four of the six monitoring wells this quarter. TPHg concentrations ranged from 1,600 micrograms per liter ($\mu\text{g/L}$) to 23,000 $\mu\text{g/L}$, with the highest concentration detected in well MW-1. Benzene concentrations ranged from 93 $\mu\text{g/L}$ to 700 $\mu\text{g/L}$, with the highest concentration detected in well MW-4. MTBE was not detected above laboratory reporting limits in any of the wells. Please refer to Figure 1 and Table 1 for dissolved hydrocarbon concentrations, and Appendix C for benzene concentration trend graphs for wells MW-1 through MW-6. The unshaded symbols on the graphs represent results below laboratory detection limits.

ANTICIPATED SECOND QUARTER 2006 ACTIVITIES

Monitoring Activities

Cambria will coordinate with MES to perform quarterly monitoring activities. MES will gauge all monitoring wells; check wells for SPH; and collect groundwater samples from wells not containing SPH. As per the sampling schedule, wells MW-1, MW-2, MW-4, and MW-5 will be sampled during the second quarter event. Wells MW-3 and MW-6 are sampled on an annual basis during the first quarter. Groundwater samples will be analyzed for TPHg by modified EPA Method 8015, and BTEX and MTBE by EPA Method 8021B. If MTBE is detected above laboratory detection limits in any sample, confirmation analysis by EPA Method 8260 will be performed. Groundwater monitoring and sampling results will be submitted to the State's GeoTracker database. Cambria will summarize groundwater monitoring activities and results in the *Groundwater Monitoring Report - Second Quarter 2006*.

Corrective Action Activities

Cambria proposed to conduct a risk-based corrective action (RBCA) analysis to evaluate the site as a low-risk case closure candidate. As requested by the Alameda County Health Care Services Agency, Cambria has prepared and submitted a *Risk Assessment Work Plan* dated April 6, 2006. Cambria is waiting for agency approval to initiate the RBCA analysis.

ATTACHMENTS

Figure 1 - Groundwater Elevation and Hydrocarbon Concentration Map

Table 1 - Groundwater Elevations and Analytical Data

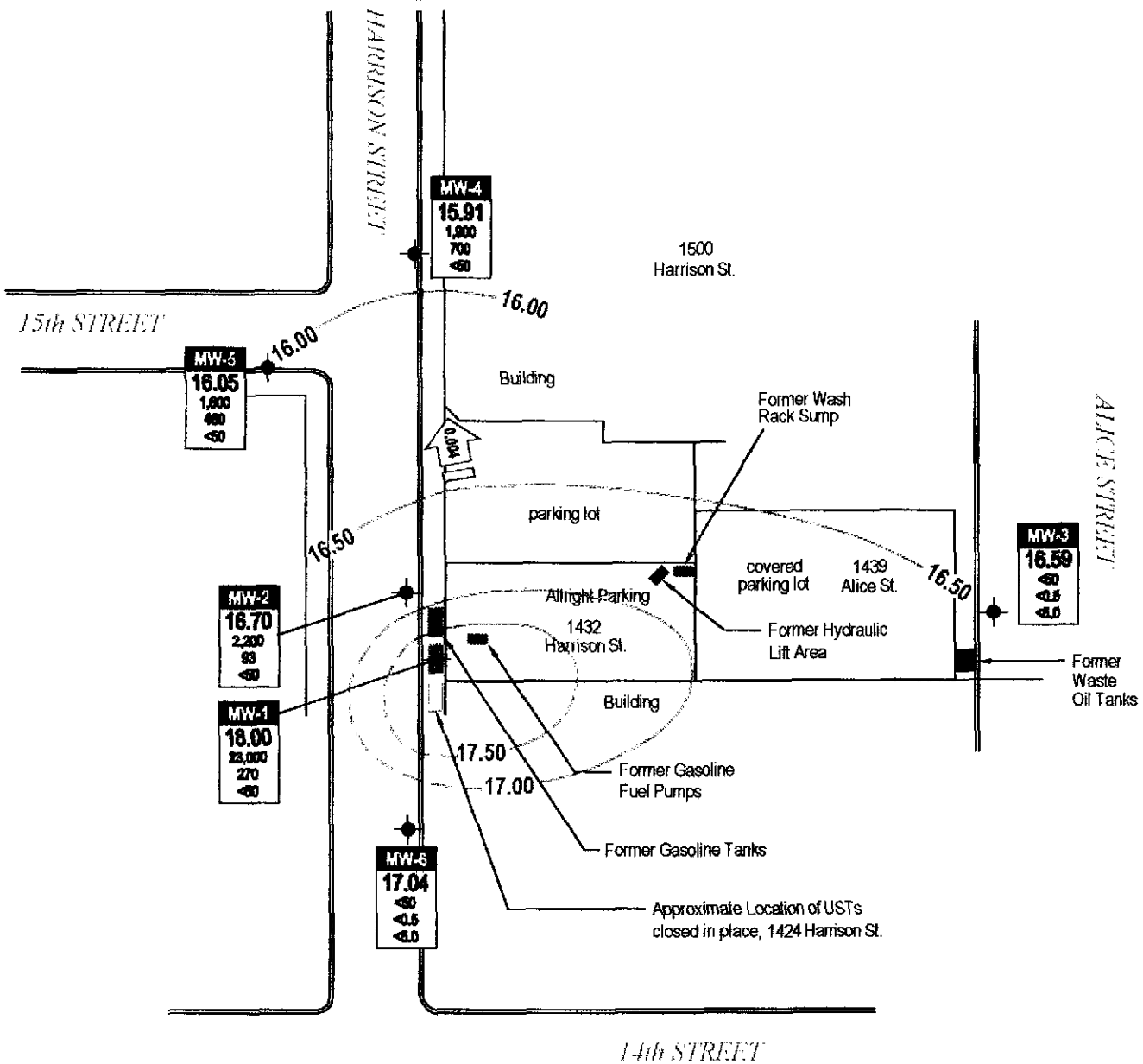
Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Analytical Results for Groundwater Sampling

Appendix C – Benzene Concentration and Depth to Water versus Time Trend Graphs



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EXPLANATION

- Groundwater monitoring well
- Groundwater elevation contour, in feet above mean sea level (dashed where inferred)
- Groundwater flow direction and gradient

| Well ID | ELEV | TPH | Benzene | MTBE |
|---------|------|-----|---------|------|
| | | | | |

- Well designation
- Groundwater elevation, in feet above mean sea level
- Hydrocarbons and MTBE in groundwater, in micrograms per liter

Scale (ft)

FIGURE 1

Allright Parking
 1432 Harrison Street
 Oakland, California



Groundwater Elevation and Hydrocarbon Concentration Map

March 26, 2006

H:\BORSUK\FIGURES\200811\046.DWG

CAMBRIA

Table 1. Groundwater Elevations and Analytical Data - Allright Parking, 1432 Harrison Street, Oakland, California

| Well ID TOC (β umsl) | Date | Depth to Groundwater (ft amsl) | SPH Thickness (feet) | Groundwater Elevation (feet) | TPHg | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | Notes |
|-------------------------|------------|--------------------------------------|----------------------------|------------------------------------|---------|---------|---------|--------------|-------------|--------|-------|
| | | | | | | | | | | | |
| MW-1 34.95 | 8/1/1994 | -- | -- | -- | 170,000 | 35,000 | 51,000 | 2,400 | 13,000 | -- | -- |
| | 12/21/1994 | 19.53 | -- | 15.42 | 180,000 | 41,000 | 64,000 | 3,100 | 100,000 | -- | -- |
| | 3/13/1995 | 18.66 | -- | 16.29 | 150,000 | 31,000 | 45,000 | 2,500 | 17,000 | -- | -- |
| | 6/27/1995 | 18.20 | -- | 16.75 | 71,000 | 17,000 | 18,000 | 1,600 | 7,700 | -- | -- |
| | 7/7/1995 | 18.35 | -- | 16.60 | 71,000 | 17,000 | 18,000 | 1,600 | 7,700 | -- | -- |
| | 9/28/1995 | 18.20 | -- | 16.75 | 110,000 | 27,000 | 34,000 | 1,700 | 14,000 | -- | -- |
| | 12/20/1995 | 19.96 | -- | 14.99 | 120,000 | 33,000 | 43,000 | 2,300 | 15,000 | -- | -- |
| | 3/26/1996 | 19.27 | -- | 15.68 | 140,000 | 29,000 | 36,000 | 1,900 | 13,000 | <200* | d |
| | 6/20/1996 | 18.64 | -- | 16.31 | 110,000 | 30,000 | 38,000 | 2,200 | 13,000 | <200* | -- |
| | 9/26/1996 | 19.35 | -- | 15.60 | 170,000 | 28,000 | 40,000 | 2,200 | 15,000 | ND** | -- |
| | 10/28/1996 | 19.58 | -- | 15.37 | -- | -- | -- | -- | -- | -- | -- |
| | 12/12/1996 | 19.68 | -- | 15.27 | 110,000 | 36,000 | 47,000 | 2,500 | 16,000 | ND* | -- |
| | 3/31/1997 | 18.80 | -- | 16.15 | 160,000 | 24,000 | 39,000 | 1,900 | 13,000 | ND* | -- |
| | 6/27/1997 | 19.26 | -- | 15.69 | 130,000 | 25,000 | 36,000 | 2,000 | 14,000 | ND* | -- |
| | 9/9/1997 | 19.70 | -- | 15.25 | 99,000 | 22,000 | 27,000 | 1,600 | 13,000 | 270* | -- |
| | 12/18/1997 | 19.25 | -- | 15.70 | 160,000 | 30,000 | 44,000 | 2,200 | 15,000 | ND*** | -- |
| | 3/12/1998 | 17.52 | -- | 17.43 | 190,000 | 20,000 | 49,000 | 2,500 | 18,000 | ND*** | -- |
| | 6/22/1998 | 18.63 | -- | 16.32 | 90,000 | 19,000 | 40,000 | 2,100 | 16,000 | -- | -- |
| | 9/18/1998 | 18.60 | -- | 16.35 | 190,000 | 29,000 | 48,000 | 2,400 | 17,000 | -- | -- |
| | 12/23/1998 | 19.18 | -- | 15.77 | 140,000 | 24,000 | 44,000 | 2,000 | 8,200 | -- | -- |
| | 3/29/1999 | 18.52 | -- | 16.43 | 181,000 | 22,200 | 40,100 | 1,844 | 12,200 | -- | -- |
| | 6/23/1999 | 18.60 | -- | 16.35 | 80,000 | 20,000 | 33,000 | 1,600 | 11,000 | -- | -- |
| | 9/24/1999 | 19.05 | -- | 15.90 | 117,000 | 15,100 | 20,700 | 1,550 | 11,800 | -- | -- |
| | 12/23/1999 | 19.95 | -- | 15.00 | 186,000 | 25,900 | 39,000 | 1,990 | 12,400 | -- | -- |
| | 3/21/2000 | 18.48 | -- | 16.47 | 210,000 | 35,000 | 42,000 | 2,200 | 13,000 | <3,000 | a |
| | 7/3/2000 | 18.95 | -- | 16.00 | 200,000 | 33,000 | 46,000 | 2,200 | 15,000 | <200* | a |
| | 9/7/2000 | 19.45 | Sheen | 15.50 | -- | -- | -- | -- | -- | -- | -- |
| | 12/5/2000 | 19.90 | -- | 15.05 | 220,000 | 42,000 | 57,000 | 2,700 | 17,000 | <200 | a |
| 3/6/2001 | 18.20 | -- | 16.75 | 180,000 | 27,000 | 39,000 | 2,000 | 13,000 | <1200 (<20) | a,l | |
| 6/8/2001 | 20.14 | -- | 14.81 | 170,000 | 28,000 | 40,000 | 1,900 | 13,000 | <200 | a | |
| 8/27/2001 | 21.19 | -- | 13.76 | 130,000 | 24,000 | 33,000 | 1,600 | 11,000 | <350 | a | |
| 10/25/2001 | 21.74 | -- | 13.21 | 160,000 | 22,000 | 28,000 | 1,500 | 10,000 | <350 | a | |
| 3/1/2002 | 21.39 | 0.41 | 13.84 ^s | -- | -- | -- | -- | -- | -- | -- | |
| 6/10/2002 | 22.30 | -- | 12.65 | 210,000 | 30,000 | 51,000 | 3,100 | 22,000 | <1,000* | a | |
| 9/3/2002 | 21.40 | -- | 13.56 | 2,500,000 | 31,000 | 170,000 | 29,000 | 170,000 | 2,500,000 | a | |
| 12/22/2002 | 20.50 | -- | 14.46 | 89,000 | 2,600 | 9,300 | 530 | 28,000 | <1,700 | a,m | |
| 1/23/2003 | 18.57 | -- | 16.39 | 130,000 | 600 | 1,600 | <100 | 41,000 | <50*** | a,b,l | |
| 6/12/2003 | 19.10 | 0.07 | 15.91 ^t | -- | -- | -- | -- | -- | -- | -- | |
| 7/23/2003 | 19.42 | 0.07 | 15.59 ^t | -- | -- | -- | -- | -- | -- | -- | |
| 12/22/2003 | 17.09 | 0.01 | 18.29 ^t | -- | -- | -- | -- | -- | -- | -- | |
| 3/10/2004 | 13.82 | -- | 21.55 | 22,000 | 190 | 250 | <1.50 | 5,100 | <100 | a,c | |
| 6/16/2004 | 14.75 | -- | 20.62 | 2,700 | 23 | 160 | 13 | 520 | <25 | a | |
| 9/27/2004 | 18.02 | -- | 17.35 | 27,000 | 580 | 2,000 | 56 | 6,800 | <10*** | a,m | |
| 12/22/2004 | 11.25 | -- | 24.12 | 250 | 3.5 | 18 | <0.5 | 47 | <0.5*** | a,m | |
| 3/3/2005 | 14.42 | -- | 20.95 | 320 | 5.2 | 13 | 3.2 | 46 | <5.0 | a | |
| 34.96## | 6/9/2005 | 17.80 | -- | 17.16 | -- | -- | -- | -- | -- | -- | + |
| 9/9/2005 | 18.26 | -- | 16.70 | -- | -- | -- | -- | -- | -- | -- | + |
| 12/20/2005 | 18.68 | -- | 16.28 | -- | -- | -- | -- | -- | -- | -- | + |
| 3/26/2006 | 16.96 | -- | 18.00 | 23,000 | 270 | 400 | 65 | 4,400 | <50 | a | |
| MW-2 35.18 | 8/1/1994 | -- | -- | -- | 130,000 | 28,000 | 35,000 | 3,000 | 12,000 | -- | -- |
| 12/21/1994 | 19.91 | -- | 15.27 | 200 | 200 | 140,000 | 200,000 | 3,500 | 22,000 | -- | -- |
| 3/13/1995 | 19.15 | -- | 16.03 | 500 | 9,200 | 23,000 | 7,000 | 36,000 | -- | -- | |
| 6/27/1995 | 18.74 | -- | 16.44 | 120,000 | 23,000 | 30,000 | 2,700 | 13,000 | -- | -- | |
| 7/7/1995 | 18.80 | -- | 16.38 | 120,000 | 23,000 | 30,000 | 2,700 | 13,000 | -- | -- | |
| 9/28/1995 | 19.30 | -- | 15.88 | 110,000 | 23,000 | 29,000 | 2,500 | 11,000 | -- | -- | |
| 12/20/1995 | 20.24 | -- | 14.94 | 83,000 | 980 | 1,800 | 2,200 | 10,000 | -- | -- | |
| 3/26/1996 | 19.69 | -- | 15.49 | 150,000 | 23,000 | 32,000 | 2,800 | 12,000 | <200* | d | |
| 6/20/1996 | 19.20 | -- | 15.98 | 94,000 | 15,000 | 23,000 | 2,400 | 12,000 | <200* | -- | |
| 9/26/1996 | 19.80 | -- | 15.38 | 150,000 | 20,000 | 29,000 | 2,800 | 12,000 | ND** | -- | |
| 10/28/1996 | 20.18 | -- | 15.00 | -- | -- | -- | -- | -- | -- | -- | |
| 12/12/1996 | 20.17 | -- | 15.01 | 58,000 | 3,100 | 11,000 | 1,700 | 8,100 | 220* | -- | |
| 3/31/1997 | 19.67 | -- | 15.51 | 38,000 | 6,000 | 7,900 | 690 | 3,300 | ND* | -- | |
| 6/27/1997 | 19.68 | -- | 15.50 | 62,000 | 13,000 | 16,000 | 1,300 | 6,000 | ND* | -- | |
| 9/9/1997 | 20.20 | -- | 14.98 | 81,000 | 16,000 | 18,000 | 1,800 | 8,600 | ND*** | -- | |
| 12/18/1997 | 19.80 | -- | 15.38 | 110,000 | 18,000 | 26,000 | 2,200 | 9,500 | ND*** | -- | |
| 3/12/1998 | 18.07 | -- | 17.11 | 120,000 | 16,000 | 26,000 | 2,200 | 9,400 | ND*** | -- | |
| 6/22/1998 | 18.29 | -- | 16.89 | 38,000 | 9,800 | 9,500 | 1,500 | 6,000 | -- | -- | |
| 9/18/1998 | 19.09 | -- | 16.09 | 68,000 | 12,000 | 16,000 | 1,400 | 5,900 | -- | -- | |
| 12/23/1998 | 19.67 | -- | 15.51 | 180,000 | 16,000 | 22,000 | 2,200 | 8,300 | -- | -- | |
| 3/29/1999 | 18.97 | -- | 16.21 | 16,600 | 1,380 | 1,920 | 373 | 1,840 | -- | -- | |
| 6/23/1999 | 18.25 | -- | 16.93 | 41,000 | 10,000 | 9,400 | 1,100 | 5,000 | -- | -- | |
| 9/24/1999 | 19.60 | -- | 15.58 | 40,600 | 4,880 | 3,490 | 1,090 | 4,560 | -- | -- | |
| 12/23/1999 | 20.21 | -- | 14.97 | 61,900 | 6,710 | 9,320 | 1,150 | 5,360 | -- | -- | |
| 3/21/2000 | 18.93 | -- | 16.25 | 98,000 | 14,000 | 21,000 | 1,600 | 6,900 | <1600 | a | |
| 7/3/2000 | 19.38 | -- | 15.80 | 140,000 | 18,000 | 33,000 | 2,600 | 11,000 | <200* | a | |
| 9/7/2000 | 19.83 | -- | 15.35 | 110,000 | 17,000 | 21,000 | 2,200 | 9,700 | <100*** | a,l | |

CAMBRIA

Table 1. Groundwater Elevations and Analytical Data - Allright Parking, 1432 Harrison Street, Oakland, California

| Well ID <i>TOC (ft amsl)</i> | Date | Depth to Groundwater (ft amsl) | SPH Thickness (feet) | Groundwater Elevation (feet) | TPHg | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | Notes |
|---------------------------------|------------|--------------------------------------|----------------------------|------------------------------------|---------|---------|---------|--------------|---------|-------|-------|
| | | | | | | | | | | | |
| MW-2 | 12/5/2000 | 20.30 | -- | 14.88 | 130,000 | 19,000 | 28,000 | 2,500 | 11,000 | <200 | a |
| <i>Continued</i> | 3/6/2001 | 19.57 | -- | 15.61 | 32,000 | 3,400 | 3,400 | 580 | 2,500 | <200 | a |
| | 6/8/2001 | 20.59 | -- | 14.59 | 72,000 | 9,400 | 9,200 | 1,300 | 5,800 | <200 | a |
| | 8/27/2001 | 21.79 | -- | 13.39 | 110,000 | 17,000 | 28,000 | 2,600 | 11,000 | <950 | a |
| | 10/25/2001 | 22.05 | -- | 13.13 | 110,000 | 15,000 | 18,000 | 2,000 | 8,700 | <350 | a |
| | 3/1/2002 | 21.80 | -- | 13.38 | 3,100 | 370 | 180 | 62 | 330 | <5.0* | a |
| | 6/10/2002 | 22.83 | -- | 12.35 | 7,800 | 2,000 | 1,100 | 76 | 570 | <100* | a |
| 35.21 | 9/3/2002 | 22.03 | -- | 13.18 | 21,000 | 2,400 | 2,900 | 320 | 1,400 | <500 | a |
| | 12/22/2002 | 22.70 | -- | 12.51 | 630 | 48 | 56 | 19 | 82 | <5.0 | a |
| | 1/23/2003 | 20.49 | -- | 14.72 | 1,100 | 27 | 32 | 19 | 150 | <25 | a |
| | 6/12/2003 | 21.03 | -- | 14.18 | 10,000 | 2,100 | 1,600 | 150 | 660 | <250 | a |
| | 7/23/2003 | 21.40 | -- | 13.81 | 28,000 | 4,800 | 4,800 | 380 | 1,700 | <500 | a |
| | 12/22/2003 | 19.33 | -- | 15.88 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 3/10/2004 | 19.33 | -- | 15.88 | 3,100 | 460 | 290 | 38 | 240 | <50 | a |
| | 6/16/2004 | 19.90 | -- | 15.31 | 9,100 | 1,600 | 1,200 | 220 | 830 | <400 | a |
| | 9/27/2004 | 22.08 | -- | 13.13 | 14,000 | 2,800 | 490 | 340 | 1,600 | <350 | a |
| | 12/22/2004 | 21.74 | -- | 13.47 | 1,100 | 300 | 28 | 22 | 71 | <15 | a |
| | 3/3/2005 | 19.60 | -- | 15.61 | 340 | 12 | 4.4 | 9.1 | 28 | <10 | a |
| | 6/9/2005 | 18.65 | -- | 16.56 | 240 | 22 | 2.7 | 6.4 | 27 | <10 | a |
| | 9/9/2005 | 19.27 | -- | 15.94 | 7,800 | 1,100 | 170 | 380 | 690 | <160 | a |
| | 12/20/2005 | 19.70 | -- | 15.51 | 150 | 10 | 1.9 | 2.8 | 10 | <5.0 | a |
| | 3/26/2006 | 18.51 | -- | 16.70 | 2,200 | 93 | 19 | 66 | 130 | <50 | a |
| MW-3 | 8/1/1994 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <2.0 | -- | -- |
| 33.97 | 12/21/1994 | 18.82 | -- | 15.15 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | -- |
| (annual sampling) | 3/13/1995 | 17.86 | -- | 16.11 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- | e |
| | 7/7/1995 | 18.25 | -- | 15.72 | -- | -- | -- | -- | -- | -- | f,g |
| | 9/28/1995 | 18.00 | -- | 15.97 | -- | -- | -- | -- | -- | -- | h |
| | 12/20/1995 | 18.74 | -- | 15.23 | -- | -- | -- | -- | -- | -- | -- |
| | 3/26/1996 | 18.25 | -- | 15.72 | -- | -- | -- | -- | -- | -- | -- |
| | 6/20/1996 | 18.35 | -- | 15.62 | -- | -- | -- | -- | -- | -- | -- |
| | 9/26/1996 | 19.12 | -- | 14.85 | -- | -- | -- | -- | -- | -- | -- |
| | 10/28/1996 | 19.11 | -- | 14.86 | -- | -- | -- | -- | -- | -- | -- |
| | 12/12/1996 | 18.61 | -- | 15.36 | -- | -- | -- | -- | -- | -- | -- |
| | 3/31/1997 | 18.35 | -- | 15.62 | -- | -- | -- | -- | -- | -- | -- |
| | 6/27/1997 | 18.81 | -- | 15.16 | -- | -- | -- | -- | -- | -- | -- |
| | 9/9/1997 | 19.18 | -- | 14.79 | -- | -- | -- | -- | -- | -- | -- |
| | 12/18/1997 | 18.64 | -- | 15.33 | -- | -- | -- | -- | -- | -- | -- |
| | 3/12/1998 | 17.56 | -- | 16.41 | -- | -- | -- | -- | -- | -- | -- |
| | 6/22/1998 | 18.64 | -- | 15.33 | -- | -- | -- | -- | -- | -- | -- |
| | 9/18/1998 | 18.33 | -- | 15.64 | -- | -- | -- | -- | -- | -- | -- |
| | 12/23/1998 | 18.60 | -- | 15.37 | -- | -- | -- | -- | -- | -- | -- |
| | 3/29/1999 | 17.85 | -- | 16.12 | -- | -- | -- | -- | -- | -- | -- |
| | 6/23/1999 | 18.67 | -- | 15.30 | -- | -- | -- | -- | -- | -- | -- |
| | 9/24/1999 | 18.64 | -- | 15.33 | -- | -- | -- | -- | -- | -- | -- |
| | 12/23/1999 | 19.32 | -- | 14.65 | -- | -- | -- | -- | -- | -- | -- |
| | 3/21/2000 | 17.89 | -- | 16.08 | -- | -- | -- | -- | -- | -- | -- |
| | 7/3/2000 | 18.40 | -- | 15.57 | -- | -- | -- | -- | -- | -- | -- |
| | 9/7/2000 | 18.75 | -- | 15.22 | -- | -- | -- | -- | -- | -- | -- |
| | 12/5/2000 | 19.03 | -- | 14.94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 3/6/2001 | 18.12 | -- | 15.85 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/8/2001 | 20.02 | -- | 13.95 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 8/27/2001 | 21.09 | -- | 12.88 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 10/25/2001 | 21.29 | -- | 12.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 3/1/2002 | 21.14 | -- | 12.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | -- |
| | 6/10/2002 | 21.99 | -- | 11.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | -- |
| | 9/3/2002 | 21.17 | -- | 12.84 | -- | -- | -- | -- | -- | -- | -- |
| 34.01 | 12/22/2002 | 21.94 | -- | 12.07 | -- | -- | -- | -- | -- | -- | -- |
| | 1/23/2003 | 20.08 | -- | 13.93 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/12/2003 | 20.95 | -- | 13.06 | -- | -- | -- | -- | -- | -- | -- |
| | 7/23/2003 | 21.28 | -- | 12.73 | -- | -- | -- | -- | -- | -- | -- |
| | 12/22/2003 | 19.05 | -- | 14.96 | -- | -- | -- | -- | -- | -- | -- |
| | 3/10/2004 | 18.22 | -- | 15.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/16/2004 | 18.82 | -- | 15.19 | -- | -- | -- | -- | -- | -- | -- |
| | 9/27/2004 | 21.03 | -- | 12.98 | -- | -- | -- | -- | -- | -- | -- |
| | 12/22/2004 | 20.69 | -- | 13.32 | -- | -- | -- | -- | -- | -- | -- |
| | 3/3/2005 | 17.94 | -- | 16.07 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/9/2005 | 18.00 | -- | 16.01 | -- | -- | -- | -- | -- | -- | -- |
| | 9/9/2005 | 18.43 | -- | 15.58 | -- | -- | -- | -- | -- | -- | -- |
| | 12/20/2005 | 18.18 | -- | 15.83 | -- | -- | -- | -- | -- | -- | -- |
| | 3/26/2006 | 17.42 | -- | 16.59 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| MW-4 | 10/28/1996 | 19.32 | -- | 14.43 | 10,000 | 3,900 | 420 | 400 | 360 | <200* | n |
| 33.75 | 12/12/1996 | 19.42 | -- | 14.33 | 11,000 | 4,200 | 410 | 420 | 260 | 32* | -- |
| | 3/31/1997 | 18.67 | -- | 15.08 | ND | ND | ND | ND | ND | ND* | -- |
| | 6/27/1997 | 19.08 | -- | 14.67 | 160 | 49 | 1.2 | ND | 5.9 | ND* | -- |
| | 9/9/1997 | 19.33 | -- | 14.42 | 7,400 | 5,000 | 410 | 230 | 470 | 33* | -- |

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Table 1. Groundwater Elevations and Analytical Data - Allright Parking, 1432 Harrison Street, Oakland, California

| Well ID <i>TOC (ft amsl)</i> | Date | Depth to Groundwater (ft amsl) | SPH Thickness (feet) | Groundwater Elevation (feet) | ← (µg/L) → | | | | | | Notes |
|---------------------------------|------------|--------------------------------------|----------------------------|------------------------------------|------------------|---------|---------|--------------|---------|----------------|-------|
| | | | | | TPH _g | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | |
| <i>MW-4 Continued</i> | 12/18/1997 | 19.17 | -- | 14.58 | 710 | 170 | 8.0 | ND | 39 | ND*** | -- |
| | 3/12/1998 | 17.68 | -- | 16.07 | 1,300 | 410 | 21 | ND | 57 | ND*** | -- |
| | 6/22/1998 | 17.63 | -- | 16.12 | ND | ND | ND | ND | ND | -- | -- |
| | 9/18/1998 | 18.58 | -- | 15.17 | ND | 42 | 1.6 | ND | 4.8 | -- | -- |
| | 12/23/1998 | 19.01 | -- | 14.74 | 1,900 | 1,000 | 76 | 50 | 120 | -- | -- |
| | 3/29/1999 | 18.35 | -- | 15.40 | ND | ND | ND | ND | ND | -- | -- |
| | 6/23/1999 | 17.58 | -- | 16.17 | ND | ND | ND | ND | ND | -- | -- |
| | 9/24/1999 | 19.05 | -- | 14.70 | 9,150 | 3,270 | 131 | 34 | 537 | -- | -- |
| | 12/23/1999 | 19.41 | -- | 14.34 | 12,200 | 5,360 | 275 | 424 | 592 | -- | -- |
| | 3/21/2000 | 18.42 | -- | 15.33 | 45,000 | 16,000 | 1,100 | 1,400 | 1,900 | 1400* (<35)*** | a,l |
| | 7/3/2000 | 18.82 | -- | 14.93 | 33,000 | 10,000 | 720 | 840 | 1,800 | <200* | a |
| | 9/7/2000 | 19.21 | -- | 14.54 | 26,000 | 8,800 | 800 | 740 | 1,500 | <50*** | a,c,l |
| | 12/5/2000 | 19.60 | -- | 14.15 | 41,000 | 11,000 | 840 | 930 | 1,900 | <200 | a |
| | 3/6/2001 | 18.24 | -- | 15.51 | 1,100 | 400 | 5.7 | <0.5 | 20 | <5.0 | a |
| | 6/8/2001 | 20.91 | -- | 12.84 | 92 | 19 | <0.5 | <0.5 | 1 | <5.0 | a |
| | 8/27/2001 | 21.63 | -- | 12.12 | 49,000 | 17,000 | 1700 | 1,700 | 3,200 | <260 | a |
| | 10/25/2001 | 21.70 | -- | 12.05 | 57,000 | 16,000 | 1,500 | 1,600 | 2,600 | <300 | a |
| | 3/1/2002 | 21.53 | -- | 12.22 | 400 | 140 | 2.3 | <0.5 | 12 | <5.0* | a |
| | 6/10/2002 | 22.23 | -- | 11.52 | <50 | 2.5 | <0.5 | <0.5 | <0.5 | <5.0* | -- |
| | 9/3/2002 | 21.85 | -- | 11.90 | 31,000 | 9,700 | 300 | 650 | 1,100 | <1,000 | a |
| | 12/22/2002 | 22.39 | -- | 11.36 | 35,000 | 13,000 | 310 | 1,100 | 1,800 | <1,500 | a |
| | 1/23/2003 | 20.61 | -- | 13.14 | 51,000 | 18,000 | 430 | 1,500 | 2,200 | <5.0*** | a,l |
| | 6/12/2003 | 21.20 | -- | 12.55 | 80 | 12 | <0.5 | <0.5 | 1.0 | <10 | a |
| | 7/23/2003 | 21.51 | -- | 12.24 | 20,000 | 7,600 | 100 | 65 | 660 | <250 | a |
| | 12/22/2003 | 19.60 | -- | 14.15 | 26,000 | 9,500 | 200 | 380 | 1,100 | <150 | a |
| | 3/10/2004 | 18.81 | -- | 14.94 | 14,000 | 4,800 | 150 | 320 | 530 | <400 | a |
| | 6/16/2004 | 19.32 | -- | 14.43 | 2,800 | 1,100 | 24 | 17 | 100 | <50 | a |
| | 9/27/2004 | 21.45 | -- | 12.30 | 45,000 | 16,000 | 260 | 1,700 | 2,000 | <25*** | a |
| | 12/22/2004 | 21.15 | -- | 12.60 | 29,000 | 10,000 | 160 | 890 | 1,200 | <5.0*** | a,j |
| | 3/3/2005 | 18.60 | -- | 15.15 | 18,000 | 6,400 | 98 | 500 | 610 | <600 | a |
| 6/9/2005 | 18.11 | -- | 15.64 | 20,000 | 6,100 | 110 | 460 | 580 | <500 | a | |
| 9/9/2005 | 18.65 | -- | 15.10 | 17,000 | 6,400 | 100 | 470 | 730 | <250 | a | |
| 12/20/2005 | 19.01 | -- | 14.74 | 26,000 | 8,500 | 160 | 640 | 800 | <120 | a | |
| 3/26/2006 | 17.84 | -- | 15.91 | 1,900 | 700 | 22 | 49 | 85 | <50 | a | |
| <i>MW-5 34.63</i> | 10/28/1996 | 19.88 | -- | 14.75 | 90 | 4.0 | 0.6 | <0.50 | <0.50 | 16* | n |
| | 12/12/1996 | 20.09 | -- | 14.54 | 230 | 5.6 | 0.9 | ND | 0.9 | 3.6* | -- |
| | 3/31/1997 | 19.24 | -- | 15.39 | 90 | 3.1 | ND | ND | ND | ND* | -- |
| | 6/27/1997 | 19.16 | -- | 15.47 | ND | ND | ND | ND | ND | ND* | -- |
| | 9/9/1997 | 19.93 | -- | 14.70 | ND | ND | ND | ND | ND | ND* | -- |
| | 12/18/1997 | 19.77 | -- | 14.86 | ND | ND | ND | ND | ND | ND*** | -- |
| | 3/12/1998 | 19.77 | -- | 14.86 | 79 | 2.3 | ND | 0.8 | ND | ND* | -- |
| | 6/22/1998 | 18.08 | -- | 16.55 | ND | ND | ND | ND | ND | -- | -- |
| | 9/18/1998 | 19.12 | -- | 15.51 | ND | ND | ND | ND | ND | -- | -- |
| | 12/23/1998 | 19.60 | -- | 15.03 | ND | 0.8 | 0.9 | ND | ND | -- | -- |
| | 3/29/1999 | 18.88 | -- | 15.75 | ND | ND | ND | ND | ND | -- | -- |
| | 6/23/1999 | 18.05 | -- | 16.58 | ND | ND | ND | ND | ND | -- | -- |
| | 9/24/1999 | 19.61 | -- | 15.02 | ND | ND | ND | ND | ND | -- | -- |
| | 12/23/1999 | 20.01 | -- | 14.62 | ND | ND | ND | ND | ND | -- | -- |
| | 3/21/2000 | 19.05 | -- | 15.58 | 140 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 7/3/2000 | 19.40 | -- | 15.23 | 85 | 8.1 | 3.1 | 1.6 | 7.8 | <5.0* | k |
| | 9/7/2000 | 19.62 | -- | 15.01 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | -- |
| | 12/5/2000 | 20.25 | -- | 14.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | a |
| | 3/6/2001 | 19.07 | -- | 15.56 | 91 | 5.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/8/2001 | 20.77 | -- | 13.86 | 290 | 22.0 | 0.8 | <0.5 | <0.5 | <5.0 | -- |
| | 8/27/2001 | 21.33 | -- | 13.30 | 660 | 24.0 | 2.2 | 1.3 | 4.0 | <25 | a |
| | 10/25/2001 | 21.62 | -- | 13.01 | 55 | 3.5 | <0.5 | <0.5 | <0.5 | <5.0 | a |
| | 3/1/2002 | 21.49 | -- | 13.14 | 200 | 1.9 | 0.69 | <0.5 | <0.5 | <5.0* | a |
| | 6/10/2002 | 22.15 | -- | 12.48 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | a |
| | 9/3/2002 | 21.50 | -- | 13.13 | 60 | 1.9 | <0.5 | <0.5 | 0.77 | <5.0 | -- |
| | 12/22/2002 | 22.19 | -- | 12.44 | 82 | 0.57 | <0.5 | 0.68 | <0.5 | <5.0 | a |
| | 1/23/2003 | 20.27 | -- | 14.36 | <50 | 2.1 | <0.5 | <0.5 | <0.5 | <5.0 | a |
| | 6/12/2003 | 21.10 | -- | 13.53 | <50 | 0.88 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 7/23/2003 | 21.47 | -- | 13.16 | <50 | 4.0 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 12/22/2003 | 19.57 | -- | 15.06 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| 3/10/2004 | 19.61 | -- | 15.82 | 990 | 200 | 2.9 | 4.0 | 20 | <70 | -- | |
| 6/16/2004 | 20.15 | -- | 14.48 | 250 | 42 | <0.5 | 0.88 | <0.5 | <35 | a | |
| 9/27/2004 | 22.14 | -- | 12.49 | 1,600 | 140 | 4.8 | 45 | 18 | <110 | a | |
| 12/22/2004 | 21.81 | -- | 12.82 | <50 | 5.3 | <0.5 | <0.5 | 0.66 | <5.0 | -- | |
| 3/3/2005 | 19.35 | -- | 15.28 | 2,000 | 330 | 4.4 | 63 | 39 | <150 | a | |
| 6/9/2005 | 18.73 | -- | 15.90 | 250 | 42 | 1.4 | 14 | 3.2 | <5.0 | a | |
| 9/9/2005 | 19.30 | -- | 15.33 | 2,000 | 390 | 5.0 | 71 | 38 | <400 | a | |
| 12/20/2005 | 19.65 | -- | 14.98 | 4,300 | 760 | 18 | 170 | 150 | <35 | a | |
| 3/26/2006 | 18.58 | -- | 16.05 | 1,600 | 460 | 3.3 | 35 | 32 | <50 | a | |

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Table 1. Groundwater Elevations and Analytical Data - Allright Parking, 1432 Harrison Street, Oakland, California

| Well ID <i>TOC (ft amsl)</i> | Date | Depth to Groundwater (ft amsl) | SPH Thickness (feet) | Groundwater Elevation (feet) | TPHg ← | Benzene | Toluene | Ethylbenzene Xylenes MTBE → | | | Notes | |
|---------------------------------|------------|--------------------------------------|----------------------------|------------------------------------|-----------|---------|---------|-----------------------------|-------|-------|-------|----|
| | | | | | | | | (µg/L) | | | | |
| MW-6 | 10/28/1996 | 20.02 | | 15.87 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.0* | |
| 35.89 | 12/12/1996 | 20.18 | -- | 15.71 | ND | ND | ND | ND | ND | ND | ND* | n |
| (annual sampling) | 3/31/1997 | 19.81 | -- | 16.08 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 6/27/1997 | 19.76 | -- | 16.13 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/9/1997 | 20.06 | -- | 15.83 | ND | ND | ND | ND | ND | ND | ND* | -- |
| | 12/18/1997 | 19.90 | -- | 15.99 | ND | ND | ND | ND | ND | ND | ND | -- |
| | 3/12/1998 | 18.00 | -- | 17.89 | ND | ND | ND | ND | ND | ND | ND* | -- |
| | 6/22/1998 | 18.43 | -- | 17.46 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 9/18/1998 | 19.10 | -- | 16.79 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 12/23/1998 | 19.61 | -- | 16.28 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 3/29/1999 | 18.92 | -- | 16.97 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 6/23/1999 | 18.41 | -- | 17.48 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 9/24/1999 | 19.61 | -- | 16.28 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 12/23/1999 | 20.30 | -- | 15.59 | ND | ND | ND | ND | ND | ND | -- | -- |
| | 3/21/2000 | 18.97 | -- | 16.92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 7/3/2000 | 19.46 | -- | 16.43 | 59 | 5.1 | 2.3 | 1.1 | 5.3 | 5.3 | <5.0* | -- |
| | 9/7/2000 | 19.95 | -- | 15.94 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | a |
| | 12/5/2000 | 20.50 | -- | 15.39 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 3/6/2001 | 19.54 | -- | 16.35 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/8/2001 | 20.92 | -- | 14.97 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.1 | -- |
| | 8/27/2001 | 21.37 | -- | 14.52 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 10/25/2001 | 21.59 | -- | 14.30 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 3/1/2002 | 21.33 | -- | 14.56 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | -- |
| | 6/10/2002 | 21.97 | -- | 13.92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0* | -- |
| | 9/3/2002 | 21.55 | -- | 14.34 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/22/2002 | 22.25 | -- | 13.64 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 1/23/2003 | 20.47 | -- | 15.42 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/12/2003 | 21.09 | -- | 14.80 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 7/23/2003 | 21.42 | -- | 14.47 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/22/2003 | 19.49 | -- | 16.40 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/10/2004 | 20.20 | -- | 15.69 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/16/2004 | 20.73 | -- | 15.16 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/27/2004 | 22.88 | -- | 13.01 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/22/2004 | 22.53 | -- | 13.36 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/3/2005 | 19.87 | -- | 16.02 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 6/9/2005 | 18.95 | -- | 16.94 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/9/2005 | 19.45 | -- | 16.44 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/20/2005 | 19.90 | -- | 15.99 | -- | -- | -- | -- | -- | -- | -- | -- |
| | 3/26/2006 | 18.85 | -- | 17.04 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| Trip Blank | 3/21/2000 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |
| | 9/7/2000 | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | -- |

Abbreviations, Methods, & Notes

TOC = Top of casing elevation

ft amsl = feet above mean sea level

SPH = Separate-phase hydrocarbons

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C

Benzene, toluene, ethylbenzene, and xylenes by EPA Method SW 8021B

MTBE = Methyl tert-butyl ether

* = MTBE by EPA Method SW8021B

** = MTBE by EPA Method SW8240

*** = MTBE by EPA Method SW8260

µg/L = micrograms per liter, equivalent to parts per billion

-- = Not sampled, not analyzed, or not applicable

<n = Not detected in sample above n µg/L

ND = Not detected above laboratory detection limit

x = Groundwater elevation adjusted for SPH by the relation:

Groundwater Elevation = TOC Elevation - Depth to Groundwater + (0.7 x SPH thickness)

= The wellhead elevation was raised by 0.41 feet when well MW-1 was connected to

the SVE system on October 31, 2003.

= The wellhead elevation was lowered by 0.41 feet when well MW-1 was disconnected from the SVE system on April 30, 2005.

+ = Well de-watered during purging, no measurable water to sample.

a = Unmodified or weakly modified gasoline is significant.

b = Lighter than water immiscible sheen is present.

c = Liquid sample that contains greater than ~2 vol. % sediment.

d = MTBE result confirmed by secondary column or GC/MS analysis.

e = Sample analyzed for purgeable hydrocarbons by EPA Method SW8010,

no purgeable hydrocarbons were detected.

f = Sample analyzed for VOCs by EPA Method SW8240, no non-BTEX compounds were detected.

g = Sample analyzed for Total Petroleum Hydrocarbons as motor oil (TPHmo) by

Modified EPA Method SW8015, no TPHmo was detected.

h = Analytic sampling discontinued. Approved by Alameda County Department of Environmental Health.

i = Lighter than gasoline range compounds are significant.

j = Gasoline range compounds having broad chromatographic peaks are significant.

k = No recognizable pattern.


l = Sample diluted due to high organic content.

m = Liquid sample that contains greater than ~1 vol. % sediment.

n = TOC well elevation was increased by 3 ft based on a benchmark discrepancy discovered during a well survey performed on September 11, 2002

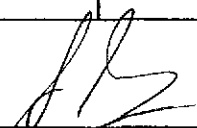


WELL GAUGING SHEET

| Client: Cambria Environmental Technology Inc. | | | | | | |
|--|-------|--------------|--|---------------|-----------------|----------|
| Site | | | | | | |
| Address: 1432 Harrison Street Oakland, CA | | | | | | |
| Date: 3/26/2006 | | | Signature:  | | | |
| Well ID | Time | Depth to SPH | Depth to Water | SPH Thickness | Depth to Bottom | Comments |
| MW-1 | 1:00 | | 16.96 | | 20.40 | |
| MW-2 | 1:05 | | 18.51 | | 25.60 | |
| MW-3 | 12:40 | | 17.42 | | 23.90 | |
| MW-4 | 1:10 | | 17.84 | | 24.80 | |
| MW-5 | 12:55 | | 18.58 | | 28.45 | |
| MW-6 | 12:50 | | 18.85 | | 28.29 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |



WELL SAMPLING FORM

| | | | | | | |
|--------------------------------|----------------------------|---------------------------------------|----------------------------|---------------------|---|--|
| Date: | | 3/26/2006 | | | | |
| Client: | | Cambria Environmental Technology Inc. | | | | |
| Site Address: | | 1432 Harrison Street Oakland, CA | | | | |
| Well ID: | | MW-2 | | | | |
| Well Diameter: | | 2" | | | | |
| Purging Device: | | Disposable Bailer | | | | |
| Sampling Method: | | Disposable Bailer | | | | |
| Total Well Depth: | | 25.60 | Fe= mg/L | | | |
| Depth to Water: | | 18.51 | ORP= mV | | | |
| Water Column Height: | | 7.09 | DO= mg/L | | | |
| Gallons/ft: | | 0.16 | | | | |
| 1 Casing Volume (gal): | | 1.13 | COMMENTS: turbid | | | |
| 3 Casing Volumes (gal): | | 3.40 | | | | |
| TIME: | CASING VOLUME (gal) | TEMP (Celsius) | | | pH | COND. (µS) |
| 4:00 | 1.1 | 18.9 | | | 6.98 | 712 |
| 4:03 | 2.3 | 19.3 | 7.04 | 739 | | |
| 4:05 | 3.4 | 19.1 | 7.00 | 751 | | |
| | | | | | | |
| | | | | | | |
| Sample ID: | Date: | Time | Container Type | Preservative | Analytes | Method |
| MW-2 | 3/26/2006 | 4:10 | Voa | HCl, ICE | TPHg, BTEX, MTBE | 8015, 8021, confirm any MTBE hits by 8260 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Signature: |  | |



McC Campbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mcccampbell.com E-mail: main@mcccampbell.com

| | | |
|--|--------------------------------------|--------------------------|
| Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608 | Client Project ID: #540-0188; Borsuk | Date Sampled: 03/26/06 |
| | | Date Received: 03/27/06 |
| | Client Contact: Subbarao Nagulapaty | Date Reported: 03/31/06 |
| | Client P.O.: | Date Completed: 03/31/06 |

WorkOrder: 0603577

March 31, 2006

Dear Subbarao:

Enclosed are:

- 1). the results of 6 analyzed samples from your #540-0188; Borsuk project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0603577

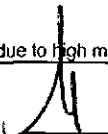
| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | | BatchID: 20970 | | | Spiked Sample ID: 0603580-013A | | |
|----------------------------|--------|---------------------|--------|--------|----------------|--------|--------|--------------------------------|-------------------------|------------|
| Analyte | Sample | Spiked | MS | MSD | MS-MSD | LCS | LCSD | LCS-LCSD | Acceptance Criteria (%) | |
| | µg/L | µg/L | % Rec. | % Rec. | % RPD | % Rec. | % Rec. | % RPD | MS / MSD | LCS / LCSD |
| TPH(btex) [£] | ND | 60 | 108 | 103 | 5.31 | 106 | 109 | 2.90 | 70 - 130 | 70 - 130 |
| MTBE | ND | 10 | 98.5 | 105 | 6.29 | 109 | 104 | 4.93 | 70 - 130 | 70 - 130 |
| Benzene | ND | 10 | 105 | 109 | 3.55 | 114 | 108 | 5.73 | 70 - 130 | 70 - 130 |
| Toluene | ND | 10 | 98.5 | 103 | 4.21 | 109 | 102 | 6.30 | 70 - 130 | 70 - 130 |
| Ethylbenzene | ND | 10 | 107 | 107 | 0 | 114 | 109 | 4.12 | 70 - 130 | 70 - 130 |
| Xylenes | ND | 30 | 100 | 99.7 | 0.334 | 103 | 100 | 3.28 | 70 - 130 | 70 - 130 |
| %SS: | 102 | 10 | 117 | 108 | 7.67 | 113 | 104 | 8.80 | 70 - 130 | 70 - 130 |

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 20970 SUMMARY

| Sample ID | Date Sampled | Date Extracted | Date Analyzed | Sample ID | Date Sampled | Date Extracted | Date Analyzed |
|--------------|-----------------|----------------|------------------|--------------|-----------------|----------------|------------------|
| 0603577-001A | 3/26/06 6:45 PM | 3/28/06 | 3/28/06 11:29 PM | 0603577-002A | 3/26/06 4:10 PM | 3/28/06 | 3/28/06 11:58 PM |
| 0603577-003A | 3/26/06 2:15 PM | 3/29/06 | 3/29/06 5:45 AM | 0603577-004A | 3/26/06 2:50 PM | 3/29/06 | 3/29/06 6:17 AM |
| 0603577-005A | 3/26/06 3:30 PM | 3/29/06 | 3/29/06 6:52 PM | 0603577-006A | 3/26/06 3:30 PM | 3/29/06 | 3/29/06 7:22 AM |

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.
 % Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).
 MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.
 £ TPH(btex) = sum of BTEX areas from the FID.
 # cluttered chromatogram; sample peak coelutes with surrogate peak.
 N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.
 NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

 QA/QC Officer

0603577

McCAMPBELL ANALYTICAL, INC.

110 2ND AVENUE SOUTH, #D7
PACHECO, CA 94553-8560

Website: Telephone: (925) 798-1620

Email: main@mccampbell.com Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

EDF Required? Yes No

Report To: Subbarao Nagulapati Bill To: Cambria Environmental Technology

Company: Cambria Environmental Technology

5900 Hollis St. Ste A

Emeryville, CA 94608

E-Mail: snagulapati@cambriaenv.com

Tele: 510-420-3361

Fax: (510) 420-9170

Project #: 540-0188

Project Name: Borsuk

Project Location: 1432 Harrison St. Oakland, CA

Sampler Signature: Muskan Environmental Sampling MS

Analysis Request

| | |
|--|--|
| MTBE / BTEX & TPH as Gas (602 / 8021 + 8015) | |
| MTBE / BTEX ONLY (EPA 602 / 8021) | |
| TPH as Diesel / Motor Oil (8015) | |
| Total Petroleum Oil & Grease (1664 / 5520 E/B&F) | |
| Total Petroleum Hydrocarbons (418.1) | |
| EPA 502.2 / 601 / 8010 / 8021 (HVOCs) | |
| EPA 505 / 608 / 8081 (CI Pesticides) | |
| EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners | |
| EPA 507 / 8141 (NP Pesticides) | |
| EPA 515 / 8151 (Acidic CI Herbicides) | |
| EPA 524.2 / 624 / 8260 (VOCs) | |
| Fuel Additives (MTBE, ETBE, TAME, DIPE, THA, 1,2 - DCA, 1,2 - EDB, ethanol) by 8260B | |
| TPH by 8015 M | |
| VOCs and fuel additives by 8260 | |
| TPH by BTEX (8015 / 8020) | |

Other

Comments

Filter Samples for Metals analysis: Yes / No

| SAMPLE ID (Field Point Name) | LOCATION | SAMPLING | | # Containers | Type Containers | MATRIX | | | | | METHOD PRESERVED | | | | | | | |
|---------------------------------|----------|----------|------|--------------|-----------------|--------|------|-----|--------|-------|------------------|-----|------------------|-------|--|--|--|--|
| | | Date | Time | | | Water | Soil | Air | Sludge | Other | ICE | HCL | HNO ₃ | Other | | | | |
| MW-1 | | 3-26-06 | 6:45 | 3 | Voa | X | | | | | X | X | | | | | | |
| MW-2 | | | 4:10 | | | | | | | | | | | | | | | |
| MW-3 | | | 2:15 | | | | | | | | | | | | | | | |
| MW-4 | | | 2:50 | | | | | | | | | | | | | | | |
| MW-5 | | | 3:30 | | | | | | | | | | | | | | | |
| MW-6 | | | 1:30 | X | | | | | | | X | X | | | | | | |
| TR | | X | | 1 | X | X | | | | | X | X | | | | | | |

confirm on X MTBE kits by 8260

Hold

Relinquished By: [Signature] Date: 3/27/06 Time: 8:15 Received By: [Signature]

Relinquished By: [Signature] Date: 3/27/06 Time: 8:30 Received By: Kathleen Owen

ICE/C
 GOOD CONDITION APPROPRIATE
 HEAD SPACE ABSENT CONTAINERS
 DECHLORINATED IN LAB PRESERVED IN LAB

PRESERVATION VOCs OEG METALS OTHER

McC Campbell Analytical, Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0603577

ClientID: CETE

EDF: YES

| | | | | |
|-------------------------|------------------------------|-------------------------|-----------------------|-------------------|
| Report to: | | Bill to: | Requested TAT: | 5 days |
| Subbarao Nagulapaty | TEL: (510) 420-0700 | Accounts Payable | | |
| Cambria Env. Technology | FAX: (510) 420-9170 | Cambria Env. Technology | <i>Date Received:</i> | 03/27/2006 |
| 5900 Hollis St, Suite A | ProjectNo: #540-0188; Borsuk | 5900 Hollis St, Ste. A | <i>Date Printed:</i> | 03/27/2006 |
| Emeryville, CA 94608 | PO: | Emeryville, CA 94608 | | |

| Sample ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | | |
|-------------|--------------|--------|-----------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|--|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 0603577-001 | MW-1 | Water | 03/26/2006 | <input type="checkbox"/> | A | A | | | | | | | | | | | |
| 0603577-002 | MW-2 | Water | 03/26/2006 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 0603577-003 | MW-3 | Water | 03/26/2006 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 0603577-004 | MW-4 | Water | 03/26/2006 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 0603577-005 | MW-5 | Water | 03/26/2006 | <input type="checkbox"/> | A | | | | | | | | | | | | |
| 0603577-006 | MW-6 | Water | 03/26/2006 | <input type="checkbox"/> | A | | | | | | | | | | | | |

Test Legend:

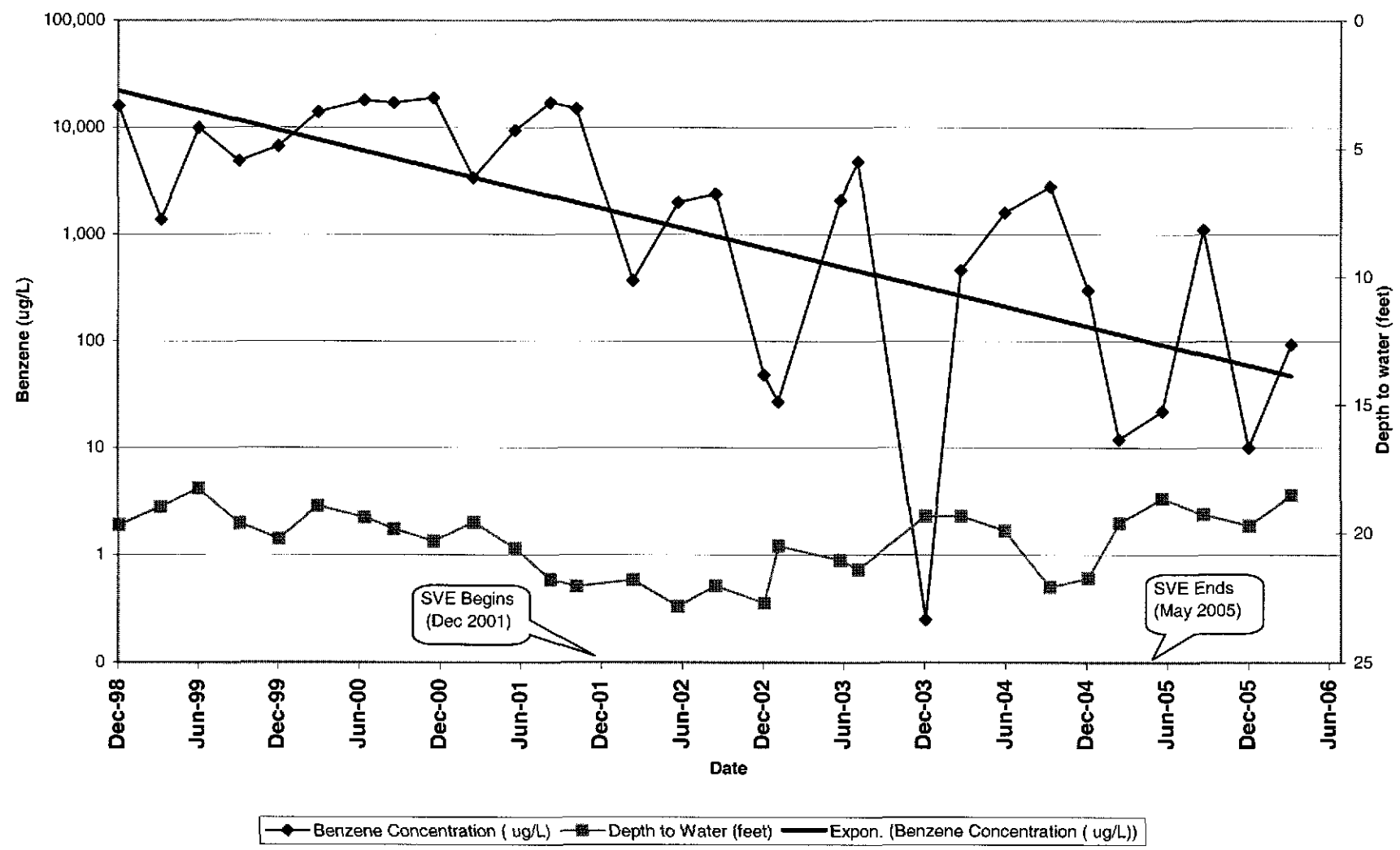
| | | | | | | | | | |
|----|----------|----|--------------|---|--|---|--|----|--|
| 1 | G-MBTX_W | 2 | PREDF REPORT | 3 | | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |
| 11 | | 12 | | | | | | | |

Prepared by: Kathleen Owen

Comments:

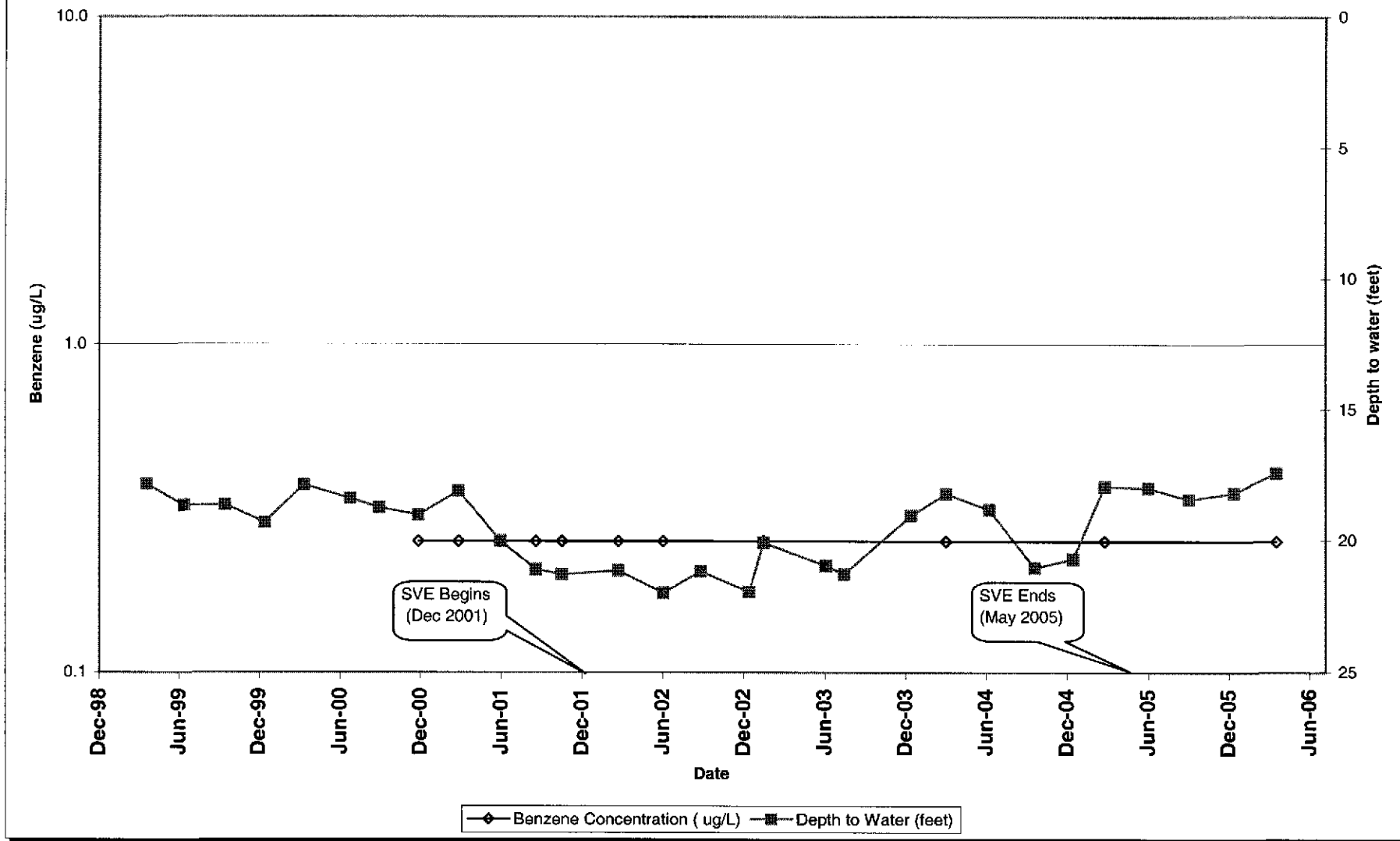
NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

MW-2: Benzene Concentration and Depth to Water vs. Time
 Alright Parking, 1432 Harrison Street, Oakland, California

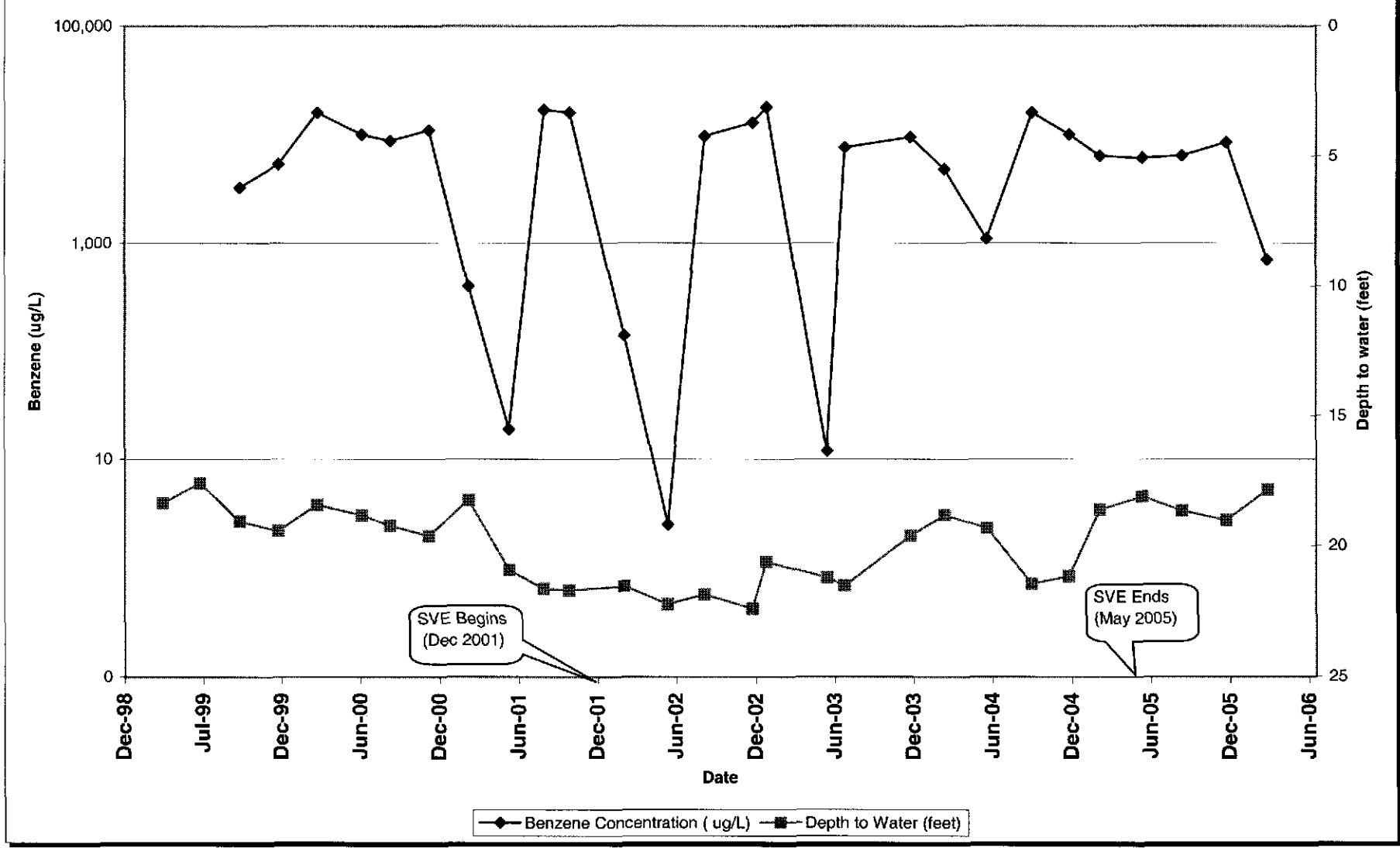


MW-3: Benzene Concentration and Depth to Water vs. Time

Allright Parking, 1432 Harrison Street, Oakland, California

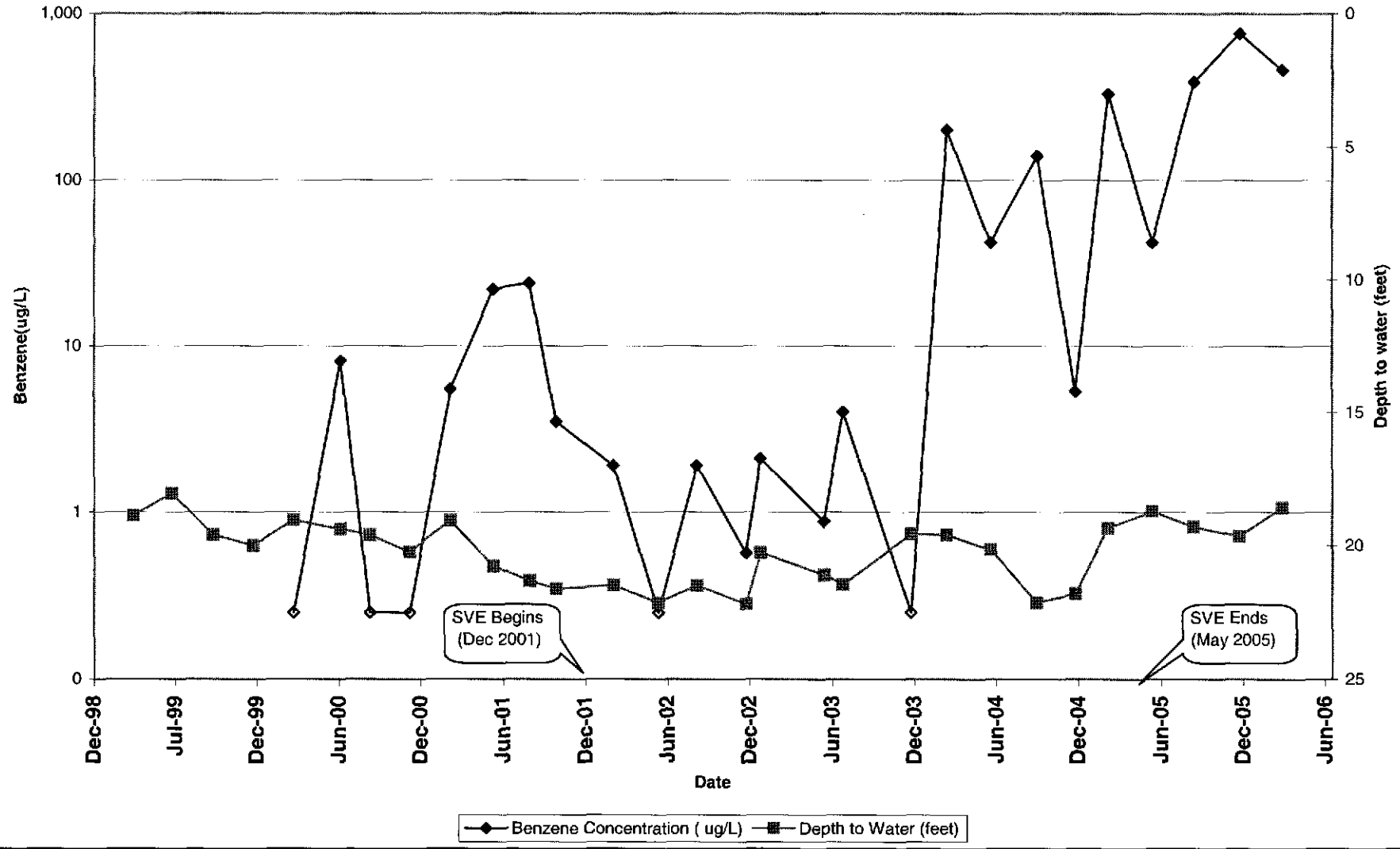


MW-4: Benzene Concentration and Depth to Water vs. Time
 Allright Parking, 1432 Harrison Street, Oakland, California



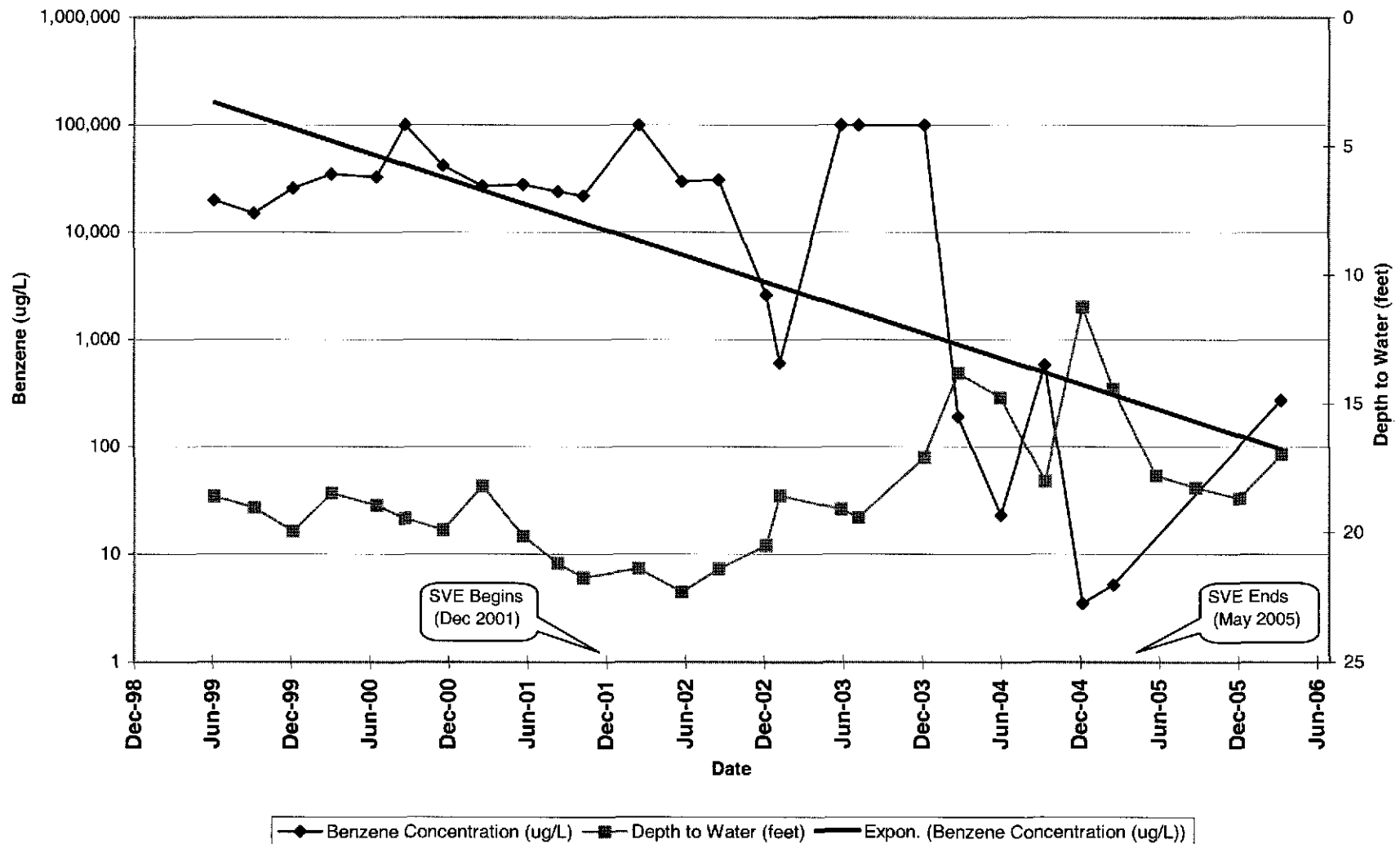
MW-5: Benzene Concentration and Depth to Water vs. Time

Allright Parking, 1432 Harrison Street, Oakland, California



MW-1: Benzene Concentration and Depth to Water vs. Time

Allright Parking, 1432 Harrison Street, Oakland, California



MW-6: Benzene Concentration and Depth to Water vs. Time
 Allright Parking, 1432 Harrison Street, Oakland, California

