

C A M B R I A

Alameda County

FEB 26 2003

Environmental Health

Mr. Lee Douglas
Douglas Parking
1721 Webster Street
Oakland, California 94612

February 24, 2003

RC129 (Accepted in
Geotracker)

OK

Re: **Fourth Quarter 2002 Monitoring Report**

Douglas Parking
1721 Webster Street
Oakland, California
Cambria Project No. 580-0197



Dear Mr. Douglas:

Cambria Environmental Technology, Inc. (Cambria) is pleased to provide this fourth quarter 2002 monitoring report for the above-referenced site. The report describes the fourth quarter 2002 activities and results as well as the anticipated first quarter 2003 activities.

If you have any questions or comments, please call me at (510) 420-3307.

Sincerely,
Cambria Environmental Technology, Inc.

A handwritten signature in black ink.

Mary C. Holland-Ford
Project Geologist

Attachments: Fourth Quarter 2002 Monitoring Report

cc: Mr. Barney M. Chan, Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway,
2nd Floor, Alameda, California 94502
Mr. Hari Patel, Technical Review Unit, UST Cleanup Fund, 1001 I Street, Sacramento, California 94244

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
Suite A
Emeryville, CA 94608
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FOURTH QUARTER 2002 MONITORING REPORT

Douglas Parking
1721 Webster Street
Oakland, California
Cambria Project No. 580-0917

February 24, 2003

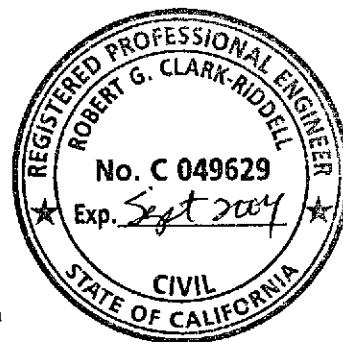


Prepared for:

Mr. Lee Douglas
1721 Webster Street
Oakland, California 94612

Prepared by:

Cambria Environmental Technology, Inc.
1144 65th Street, Suite B
Oakland, California 94608



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Mary C. Holland-Ford
Project Geologist


Robert Clark-Riddell, P.E.
Principal Engineer

C A M B R I A

FOURTH QUARTER 2002 MONITORING REPORT

Douglas Parking
1721 Webster Street
Oakland, California
Cambria Project No. 580-0917

February 24, 2003

INTRODUCTION



On behalf of Douglas Parking, Cambria Environmental Technology, Inc. (Cambria) is submitting this fourth quarter 2002 groundwater monitoring report for the above-referenced site. Presented below are the fourth quarter 2002 activities and results, and the anticipated first quarter 2003 activities.

FOURTH QUARTER 2002 ACTIVITIES AND RESULTS

Monitoring Activities

Field Activities: On October 4, 2002, Cambria gauged depth-to-water and inspected for separate-phase hydrocarbons (SPH) in site wells MW-1 through MW-5. Groundwater samples were collected from monitoring wells MW-2 through MW-5. Well MW-1 is not included in the sampling schedule. Field data sheets are presented as Appendix A.

Sample Analyses: The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015, and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA Method 8020 by McCampbell Analytical, Inc. of Pacheco, California. If detected, MTBE concentrations were confirmed by EPA Method 8260. The laboratory analytical report is included as Appendix B.

Monitoring Results

Groundwater Flow Direction: Based on depth-to-water data collected during Cambria's October 4, 2002 site visit, groundwater beneath the site flows toward the northeast with an approximate gradient of 0.009 ft/ft, which is consistent with historical data. Water levels for this monitoring event are summarized in Figure 1 and on Table 1.

Hydrocarbon Distribution in Groundwater: No SPH were detected in any site wells. The maximum detected TPHg concentration in groundwater was 8,400 micrograms per liter ($\mu\text{g/l}$) in well MW-3. The maximum detected benzene concentration was 100 $\mu\text{g/l}$ in well MW-2. Groundwater samples from downgradient well MW-5 contained no detectable hydrocarbons above laboratory reporting limits. Although MTBE was detected at a concentration of 8.7 $\mu\text{g/l}$ in well MW-4 by EPA Method 8015M, MTBE was not reported in the confirmation analysis by EPA Method 8260. MTBE was not detected above laboratory reporting limits in the groundwater samples from wells MW-2, MW-3 and MW-5. The analytical results are summarized on Table 1. Benzene concentrations are summarized in Figure 1.



ANTICIPATED FIRST QUARTER 2003 ACTIVITIES

Monitoring Activities

Cambria will gauge the site wells, inspect the wells for SPH, and collect groundwater samples from all wells not containing SPH. If MTBE is detected in any groundwater samples, concentrations will be confirmed using EPA Method 8260. Following field activities, Cambria will tabulate the data, contour site groundwater elevations, and prepare a groundwater monitoring report.

Corrective Action Activities

The Alameda County Health Care Services Agency (ACHCSA) requested additional information about the planned feasibility testing. Cambria will conduct feasibility testing upon further discussion with the ACHCSA and pre-approval of costs by the State UST Fund. The testing will evaluate the feasibility and effectiveness of air sparging and soil vapor extraction at the subject site.

Offsite Plume Delineation

On March 28 2002, Cambria submitted a *Subsurface Investigative Workplan*. The scope of work includes the installation of two offsite groundwater monitoring wells. Approval by the ACHCSA has been received, and upon receipt of Fund pre-approval Cambria will implement the workplan.

ATTACHMENTS

Figure 1 – Groundwater Elevation Contour and Benzene Concentration Map

Table 1 – Groundwater Elevation and Analytical Data

Appendix A – Field Data Sheets

Appendix B – Laboratory Analytical Report

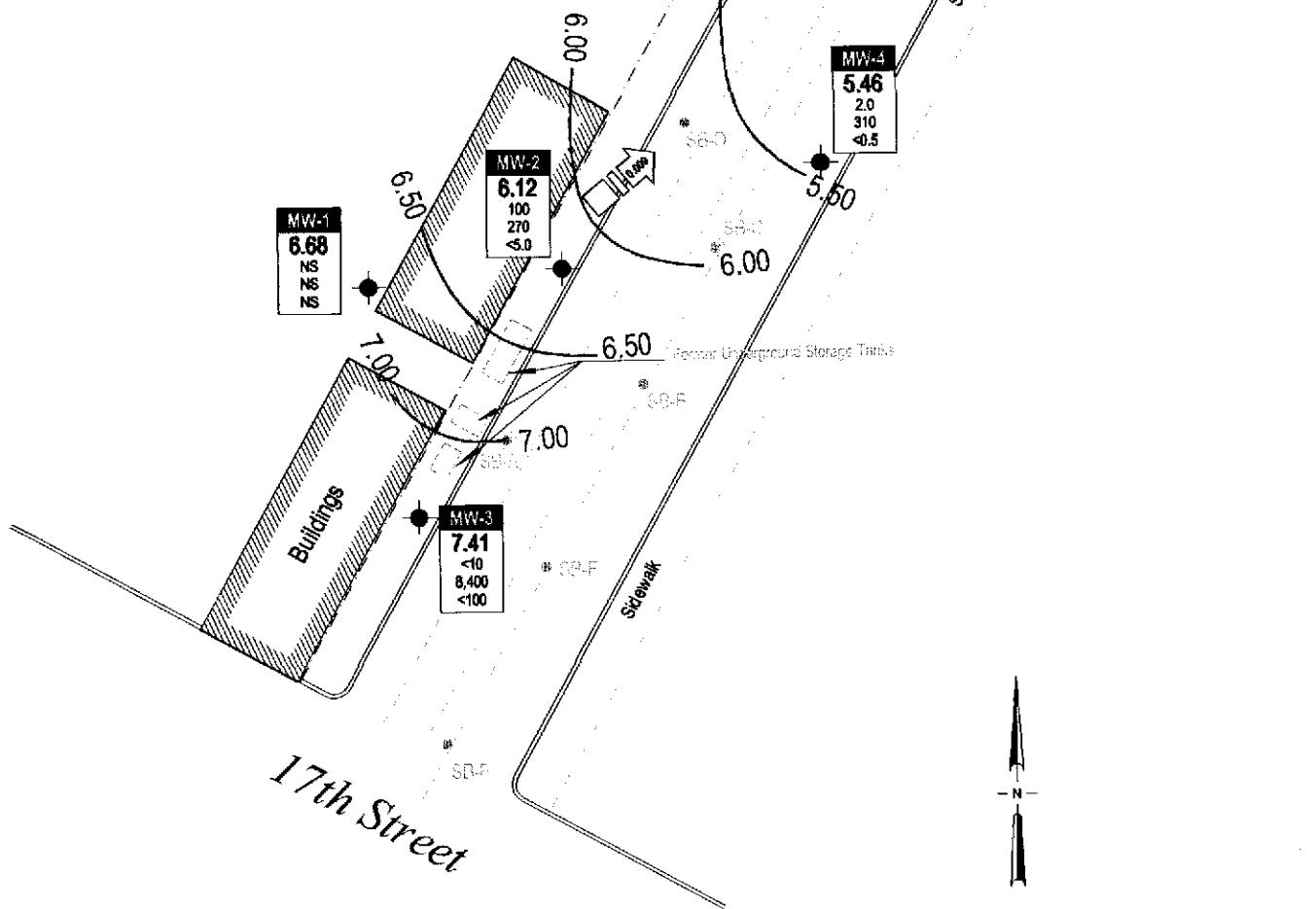
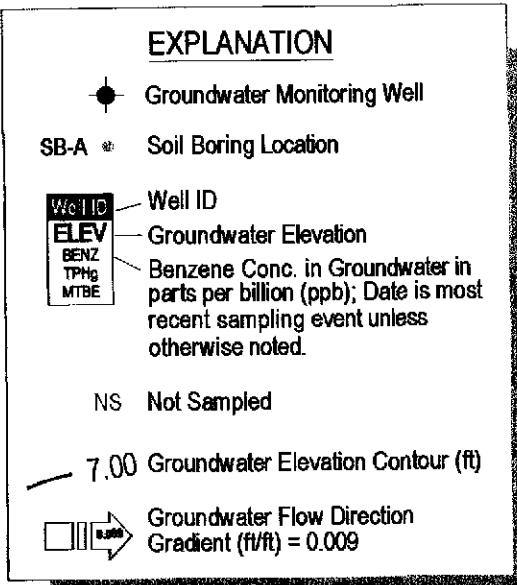


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FIGURE



0 30 60
Scale (ft)

FIGURE
1

Douglas Parking Facility

1721 Webster Street
Oakland, California



Groundwater Elevation Contours Benzene Concentrations

October 4, 2002

C A M B R I A



TABLE

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Douglas Parking Company, 1721 Webster Street, Oakland, CA

| Well ID | Date | TOC Elevation (ft-msl) | Depth to Water (ft) | Groundwater Elevation (ft) | TPHg | Benzene | Toluene | | Xylenes | MTBE | DO (mg/L) |
|---------|------------|---------------------------|------------------------|-------------------------------|--------|---------|---------|--------------------------|---------|------|--------------|
| | | | | | | | ← | (Concentrations in µg/l) | | | |
| MW-1 | 12/2/1994 | 29.25 | 19.42 | 9.83 | nd | nd | nd | nd | nd | - | - |
| | 3/6/1995 | 29.73 | 20.69 | 9.04 | nd | nd | nd | nd | nd | - | - |
| | 7/11/1995 | 29.81 | 20.65 | 9.16 | nd | nd | nd | nd | nd | - | - |
| | 5/10/1996 | 29.81 | 20.80 | 9.01 | nd | nd | nd | nd | nd | - | - |
| | 10/2/1996 | 29.81 | 21.35 | 8.46 | - | - | - | - | - | - | - |
| | 2/28/1997 | 29.81 | 20.57 | 9.24 | - | - | - | - | - | - | - |
| | 9/16/1997 | 29.81 | 21.50 | 8.31 | - | - | - | - | - | - | - |
| | 2/5/1998 | 29.81 | 20.91 | 8.90 | - | - | - | - | - | - | 1.90 |
| | 8/11/1998 | 29.81 | 20.50 | 9.31 | - | - | - | - | - | - | 0.06 |
| | 2/8/1999 | 29.81 | 21.42 | 8.39 | - | - | - | - | - | - | 6.00 |
| | 2/24/1999 | 29.81 | 22.99 | 6.82 | - | - | - | - | - | - | 2.00 |
| | 3/3/1999 | 29.81 | 20.84 | 8.97 | - | - | - | - | - | - | 3.80 |
| | 3/10/1999 | 29.81 | 20.89 | 8.92 | - | - | - | - | - | - | 3.40 |
| | 3/17/1999 | 29.81 | 20.84 | 8.97 | - | - | - | - | - | - | 2.80 |
| | 5/4/1999 | 29.81 | 20.80 | 9.01 | - | - | - | - | - | - | 3.50 |
| | 7/20/1999 | 29.81 | 21.25 | 8.56 | - | - | - | - | - | - | 3.07 |
| | 10/5/1999 | 29.81 | 21.37 | 8.44 | - | - | - | - | - | - | 5.40 |
| | 1/7/2000 | 29.81 | 21.65 | 8.16 | - | - | - | - | - | - | 2.10 |
| | 4/6/2000 | 29.81 | 21.05 | 8.76 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 3.90 |
| | 7/31/2000 | 29.81 | 21.13 | 8.68 | - | - | - | - | - | - | 1.80 |
| | 10/3/2000 | 29.81 | 21.69 | 8.12 | - | - | - | - | - | - | 1.42 |
| | 1/12/2001 | 29.81 | 22.00 | 7.81 | - | - | - | - | - | - | 0.68 |
| | 4/11/2001 | 29.81 | 22.16 | 7.65 | - | - | - | - | - | - | 0.51 |
| | 7/6/2001 | 29.81 | 22.57 | 7.24 | - | - | - | - | - | - | - |
| MW-2 | 10/25/2001 | 29.81 | 22.71 | 7.10 | - | - | - | - | - | - | - |
| | 3/4/2002 | 29.81 | 22.53 | 7.28 | - | - | - | - | - | - | - |
| | 4/18/2002 | 29.81 | 22.81 | 7.00 | - | - | - | - | - | - | - |
| | 7/9/2002 | 29.81 | 22.95 | 6.86 | - | - | - | - | - | - | - |
| | 10/4/2002 | 29.81 | 23.13 | 6.68 | - | - | - | - | - | - | - |
| MW-2 | 12/2/1994 | 27.10 | 19.50 | 7.60 | 61,300 | 3,000 | 3,900 | 160 | 4,500 | - | - |
| | 3/6/1995 | 27.10 | 18.49 | 8.61 | 98,000 | 8,400 | 16,000 | 2,000 | 2,600 | - | - |
| | 7/11/1995 | 27.40 | 18.45 | 8.95 | 38,000 | 3,100 | 7,500 | 940 | 3,700 | - | - |
| | 5/10/1996 | 27.40 | 18.56 | 8.84 | 63,000 | 7,400 | 16,000 | 1,500 | 6,000 | - | - |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Douglas Parking Company, 1721 Webster Street, Oakland, CA

| Well ID | Date | TOC Elevation (ft-msl) | Depth to Water (ft) | Groundwater Elevation (ft) | TPHg | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO (mg/L) |
|--------------------------|------------------|---------------------------|------------------------|-------------------------------|------------|------------|------------|--------------|-----------|----------------|--------------|
| (Concentrations in µg/l) | | | | | | | | | | | |
| MW-2 | 10/2/1996 | 27.40 | 19.15 | 8.25 | 21,000 | 2,200 | 3,400 | 430 | 1,600 | - | - |
| (cont'd) | 2/28/1997 | 27.40 | 18.43 | 8.97 | 39,000 | 4,700 | 9,600 | 950 | 4,200 | nd | - |
| | 9/16/1997 | 27.40 | 19.26 | 8.14 | 29,000 | 3,300 | 5,800 | 690 | 2,900 | <620 | - |
| | 2/5/1998 | 27.40 | 18.66 | 8.74 | 10,000 | 1,000 | 2,000 | 170 | 860 | <330 | 7.90 |
| | 8/11/1998 | 27.40 | 18.41 | 8.99 | 12,000 | 1,200 | 2,300 | 260 | 1,400 | 300 | 5.40 |
| | 2/8/1999 | 27.40 | 19.84 | 7.56 | 5,500 | 740 | 1,200 | 150 | 780 | 60 | 3.70 |
| | 2/17/1999 | 27.40 | 18.94 | 8.46 | - | - | - | - | - | - | >20 |
| | 2/24/1999 | 27.40 | 20.76 | 6.64 | - | - | - | - | - | - | >20 |
| | 3/3/1999 | 27.40 | 18.55 | 8.85 | - | - | - | - | - | - | >20 |
| | 3/10/1999 | 27.40 | 20.74 | 6.66 | - | - | - | - | - | - | >20 |
| | 3/17/1999 | 27.40 | 18.57 | 8.83 | - | - | - | - | - | - | >20 |
| | 5/4/1999 | 27.40 | 18.55 | 8.85 | 90,000 | 9,200 | 21,000 | 1,600 | 10,000 | 560 | 3.20 |
| | 7/20/1999 | 27.40 | 18.98 | 8.42 | 28,000 | 2,100 | 3,700 | 900 | 4,200 | <860 | 0.64 |
| | 10/5/1999 | 27.40 | 19.10 | 8.30 | 11,000 | 870 | 180 | 30 | 1,400 | <110 | 0.58 |
| | 1/7/2000 | 27.40 | 19.41 | 7.99 | 15,000 | 1,300 | 2,100 | 440 | 1,800 | <14 | 0.94 |
| | 4/6/2000 | 27.40 | 18.80 | 8.60 | 17,000 | 1,800 | 3,100 | 500 | 2,200 | <50 | 0.64 |
| | 7/31/2000 | 27.40 | 18.87 | 8.53 | 17,000 | 1,500 | 2,700 | 430 | 2,100 | <200 | 0.50 |
| | 10/3/2000 | 27.40 | 19.45 | 7.95 | 27,000 | 2,500 | 4,000 | 660 | 2,900 | <50 | 0.16 |
| | 1/12/2001 | 27.40 | 19.80 | 7.60 | 25,000 | 2,700 | 4,100 | 670 | 3,000 | <200 | 0.35 |
| | 4/11/2001 | 27.40 | 20.03 | 7.37 | 97,000 | 9,500 | 21,000 | 2,200 | 7,900 | <200 | - |
| | 7/6/2001 | 27.40 | 20.19 | 7.21 | 3,500 | 500 | 150 | 11 | 420 | <5.0 | - |
| | 10/25/2001 | 27.40 | 20.35 | 7.05 | 3,800 | 620 | 230 | 70 | 400 | <50 | - |
| | 3/4/2002 | 27.40 | 20.37 | 7.03 | 46,000 | 7,300 | 12,000 | 870 | 3,200 | <500 | - |
| | 4/18/2002 | 27.40 | 20.15 | 7.25 | 68,000 | 5,100 | 8,900 | 1,100 | 4,000 | <1,000 | - |
| | 7/9/2002 | 27.40 | 21.09 | 6.31 | 1,000 | 200 | 8.9 | 0.67 | 82 | <10 | - |
| | 10/4/2002 | 27.40 | 21.28 | 6.12 | 270 | 100 | 3.4 | 0.53 | 10 | <5.0 | - |
| MW-3 | 12/2/1994 | 29.50 | 22.15 | 7.35 | 394,000 | 1,200 | nd | 1,800 | 4,000 | - | - |
| | 3/6/1995 | 29.25 | 20.09 | 9.16 | 21,000 | 400 | 150 | 24 | 62 | - | - |
| | 7/11/1995 | 29.56 | 19.99 | 9.57 | 12,000 | nd | 10 | 16 | 99 | - | - |
| | 5/10/1996 | 29.56 | 20.24 | 9.32 | 8,600 | nd | 7.6 | 16 | 84 | - | - |
| | 10/2/1996 | 29.56 | 20.90 | 8.66 | 11,000 | nd | 7.4 | 19 | 92 | - | - |
| | 2/28/1997 | 29.56 | 20.12 | 9.44 | 6,000 | nd | 4.4 | 17 | 88 | 50 | - |
| | 9/16/1997 | 29.56 | 20.97 | 8.59 | 6,500 | <0.5 | 1 | 1 | 7 | <5.0 | - |
| | 2/5/1998 | 29.56 | 20.39 | 9.17 | 5,400 | <0.5 | 6.3 | 15 | 86 | <63 | 1.90 |
| | 8/11/1998 | 29.56 | 19.95 | 9.61 | 2,700 | <0.5 | 3.5 | 3.2 | 12 | <10 | 0.05 |

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Table 1. Groundwater Elevation and Analytical Data - Douglas Parking Company, 1721 Webster Street, Oakland, CA

| Well ID | Date | TOC Elevation (ft-msl) | Depth to Water (ft) | Groundwater Elevation (ft) | TPHg | Benzene | Toluene (Concentrations in µg/l) | Ethylbenzene | Xylenes | MTBE | DO (mg/L) |
|----------|------------|---------------------------|------------------------|-------------------------------|--------|---------|-------------------------------------|--------------|---------|------|--------------|
| | | | | | | | ← | → | | | |
| MW-3 | 2/8/1999 | 29.56 | 20.58 | 8.98 | 6,100 | <0.5 | 8.1 | 18 | 80 | <140 | 2.20 |
| (cont'd) | 2/17/1999 | 29.56 | 20.53 | 9.03 | - | - | - | - | - | - | >20 |
| | 2/24/1999 | 29.56 | 22.53 | 7.03 | - | - | - | - | - | - | >20 |
| | 3/3/1999 | 29.56 | 20.28 | 9.28 | - | - | - | - | - | - | >20 |
| | 3/10/1999 | 29.56 | 22.45 | 7.11 | - | - | - | - | - | - | >20 |
| | 3/17/1999 | 29.56 | 20.26 | 9.30 | - | - | - | - | - | - | >20 |
| | 5/4/1999 | 29.56 | 20.24 | 9.32 | 11,000 | <2 | <2 | 9.8 | 140 | <10 | 3.10 |
| | 7/20/1999 | 29.56 | 20.68 | 8.88 | 11,000 | <0.5 | 3.1 | 13 | 88 | <80 | 0.75 |
| | 10/5/1999 | 29.56 | 20.81 | 8.75 | 31,000 | 62 | <0.5 | 21 | 170 | <90 | 0.68 |
| | 1/7/2000 | 29.56 | 21.09 | 8.47 | 13,000 | <0.5 | <2 | 21 | 140 | <80 | 1.96 |
| | 4/6/2000 | 29.56 | 20.48 | 9.08 | 5,300 | 1.5 | 1.4 | 9.8 | 60 | <30 | 4.15 |
| | 7/31/2000 | 29.56 | 20.62 | 8.94 | 7,100 | 3.5 | 1.0 | 12 | 66 | <5.0 | 0.35 |
| | 10/3/2000 | 29.56 | 21.13 | 8.43 | 8,000 | <0.5 | 3.3 | 11 | 70 | <40 | 3.66 |
| | 1/12/2001 | 29.56 | 21.45 | 8.11 | 11,000 | 4.3 | 6.7 | 11 | 73 | <70 | 0.35 |
| | 4/11/2001 | 29.56 | 21.69 | 7.87 | 10,000 | <0.5 | <0.5 | 11 | 65 | <10 | - |
| | 7/6/2001 | 29.56 | 21.60 | 7.96 | 13,000 | 5.3 | 1.6 | 11 | 58 | <5.0 | - |
| | 10/25/2001 | 29.56 | 21.70 | 7.86 | 11,000 | <0.5 | 3.0 | 15 | 70 | <10 | - |
| | 3/4/2002 | 29.56 | 21.65 | 7.91 | 1,900 | 1.3 | 0.8 | <0.5 | 15 | <5.0 | - |
| | 4/18/2002 | 29.56 | 21.77 | 7.79 | 1,500 | 1.0 | 0.97 | 1.3 | 5.8 | <5 | - |
| | 7/9/2002 | 29.56 | 22.03 | 7.53 | 13,000 | 6.8 | 5.7 | 13 | 59 | <90 | - |
| | 10/4/2002 | 29.56 | 22.15 | 7.41 | 8,400 | <10 | <10 | <10 | 42 | <100 | - |
| MW-4 | 5/10/1996 | 25.29 | 16.98 | 8.31 | 14,000 | nd | 1,200 | 720 | 3,100 | - | - |
| | 10/2/1996 | 25.29 | 17.65 | 7.64 | 12,000 | nd | 650 | 580 | 2,200 | - | - |
| | 2/28/1997 | 25.29 | 16.80 | 8.49 | 13,000 | nd | 1,100 | 750 | 2,700 | 110 | - |
| | 9/17/1997 | 25.29 | 17.93 | 7.36 | 13,000 | <2.5 | 820 | 750 | 2,900 | <190 | - |
| | 2/5/1998 | 25.29 | 16.78 | 8.51 | 13,000 | <1.0 | 690 | 690 | 2,900 | <170 | 2.10 |
| | 8/11/1998 | 25.29 | 16.59 | 8.70 | 15,000 | <5 | 360 | 520 | 1,900 | 280 | 2.80 |
| | 2/8/1999 | 25.29 | 17.10 | 8.19 | 9,800 | <5 | 680 | 770 | 2,200 | 300 | 1.80 |
| | 2/24/1999 | 25.29 | 18.95 | 6.34 | - | - | - | - | - | - | 2.20 |
| | 3/3/1999 | 25.29 | 16.80 | 8.49 | - | - | - | - | - | - | 4.60 |
| | 3/10/1999 | 25.29 | 16.86 | 8.43 | - | - | - | - | - | - | 3.70 |
| | 3/17/1999 | 25.29 | 16.82 | 8.47 | - | - | - | - | - | - | 4.30 |
| | 5/4/1999 | 25.29 | 16.86 | 8.43 | 11,000 | 46 | 600 | 620 | 1,900 | <100 | 4.10 |
| | 7/20/1999 | 25.29 | 17.30 | 7.99 | 13,000 | <0.5 | 470 | 7.0 | 2,000 | <150 | 0.38 |
| | 10/5/1999 | 25.29 | 17.43 | 7.86 | 18,000 | 4.4 | 720 | 800 | 2,100 | <120 | 0.71 |

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Table 1. Groundwater Elevation and Analytical Data - Douglas Parking Company, 1721 Webster Street, Oakland, CA

| Well ID | Date | TOC Elevation (ft-msl) | Depth to Water (ft) | Groundwater Elevation (ft) | TPHg | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO (mg/L) |
|-------------------------|------------|---------------------------|------------------------|-------------------------------|--------|---------|---------|--------------|---------|------|--------------|
| MW-4 <i>(cont'd)</i> | 1/7/2000 | 25.29 | 17.78 | 7.51 | 18,000 | <2 | 930 | 990 | 2,700 | <30 | 0.98 |
| | 4/6/2000 | 25.29 | 17.17 | 8.12 | 8,000 | 31 | 390 | 530 | 1,300 | <10 | 1.33 |
| | 7/31/2000 | 25.29 | 17.21 | 8.08 | 6,200 | 13 | 170 | 460 | 850 | <10 | 0.50 |
| | 10/3/2000 | 25.29 | 18.00 | 7.29 | 14,000 | 42 | 820 | 730 | 2,000 | <50 | 0.54 |
| | 1/12/2001 | 25.29 | 18.20 | 7.09 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 0.39 |
| | 4/11/2001 | 25.29 | 18.31 | 6.98 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 7/6/2001 | 25.29 | 18.35 | 6.94 | 470 | 2.3 | 1.6 | 0.81 | 43 | <5.0 | - |
| | 10/25/2001 | 25.29 | 18.47 | 6.82 | 110 | 0.70 | <0.5 | <0.5 | 3.3 | <5.0 | - |
| | 3/4/2002 | 25.29 | 18.43 | 6.86 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 4/18/2002 | 25.29 | 18.61 | 6.68 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| MW-5 | 7/9/2002 | 25.29 | 19.50 | 5.79 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 10/4/2002 | 25.29 | 19.83 | 5.46 | 310 | 2.0 | 2.9 | 13 | 16 | <0.5 | - |
| | 5/10/1996 | 21.97 | 14.60 | 7.37 | nd | nd | nd | nd | nd | - | - |
| | 10/2/1996 | 21.97 | 15.25 | 6.72 | nd | nd | nd | nd | nd | - | - |
| | 2/28/1997 | 21.97 | 14.31 | 7.66 | nd | nd | nd | nd | nd | nd | - |
| | 9/17/1997 | 21.97 | 15.18 | 6.79 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 2/5/1998 | 21.97 | 13.64 | 8.33 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 2.80 |
| | 8/11/1998 | 21.97 | 13.92 | 8.05 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 0.05 |
| | 2/8/1999 | 21.97 | 14.19 | 7.78 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 3.00 |
| | 2/24/1999 | 21.97 | 16.18 | 5.79 | - | - | - | - | - | - | 4.90 |
| MW-5 <i>(cont'd)</i> | 3/3/1999 | 21.97 | 14.23 | 7.74 | - | - | - | - | - | - | 3.40 |
| | 3/10/1999 | 21.97 | 14.32 | 7.65 | - | - | - | - | - | - | 3.60 |
| | 3/17/1999 | 21.97 | 14.25 | 7.72 | - | - | - | - | - | - | 3.90 |
| | 5/4/1999 | 21.97 | 14.41 | 7.56 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 3.20 |
| | 7/20/1999 | 21.97 | 14.44 | 7.53 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 0.99 |
| | 10/5/1999 | 21.97 | 14.79 | 7.18 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 1.52 |
| | 1/7/2000* | 21.97 | 15.23 | 6.74 | - | - | - | - | - | - | - |
| | 4/6/2000 | 21.97 | 14.74 | 7.23 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 1.67 |
| | 7/31/2000 | 21.97 | 14.52 | 7.45 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 2.55 |
| | 10/3/2000 | 21.97 | 15.37 | 6.60 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | 1.51 |
| | 1/12/2001 | 21.97 | 15.70 | 6.27 | 6,400 | 13 | 290 | 450 | 1,100 | <40 | 0.71 |
| | 4/11/2001 | 21.97 | 15.78 | 6.19 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 7/6/2001 | 21.97 | 15.97 | 6.00 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 10/25/2001 | 21.97 | 16.05 | 5.92 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 3/4/2002 | 21.97 | 16.21 | 5.76 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |

CAMBRIA

Table 1. Groundwater Elevation and Analytical Data - Douglas Parking Company, 1721 Webster Street, Oakland, CA

| Well ID | Date | TOC Elevation (ft-msl) | Depth to Water (ft) | Groundwater Elevation (ft) | TPHg | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO (mg/L) |
|------------|-----------|---------------------------|------------------------|-------------------------------|------|---------|---------|--------------|---------|------|--------------|
| | | | | | | <50 | <0.5 | <0.5 | <0.5 | <0.5 | |
| MW-5 | 4/18/2002 | 21.97 | 16.59 | 5.38 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| (cont'd) | 7/9/2002 | 21.97 | 16.94 | 5.03 | 170 | 1.0 | 0.65 | 2.1 | 4.0 | <15 | - |
| | 10/4/2002 | 21.97 | 17.14 | 4.83 | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| Trip Blank | 01/12/01 | - | - | - | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 4/11/2001 | - | - | - | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 7/6/2001 | - | - | - | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |
| | 3/4/2002 | - | - | - | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | - |

Notes and Abbreviations:

Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8020

* = Well inaccessible

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

µg/L = micrograms per liter

MTBE = methyl tertiary butyl ether by EPA Method 80208260

mg/L = milligrams per liter

DO = dissolved oxygen

ft-msl = feet above mean sea level

<n = Below detection limit of n µg/L

TOC = top of casing

nd = not detected

Data prior to 7/11/95 from Gen Tech and Piers Environmental Quarterly Groundwater Monitoring Reports dated December 2, 1994 and March 6, 1995, respectively.

Sampling no longer required in well MW-1 per September 17, 1996, ACDEH letter to Douglas Parking.

DO monitoring (no hydrocarbon analyses), as described in November 11, 1998 Remedial Workplan.

C A M B R I A



APPENDIX A

Field Data Sheets

CAMBRIA

Product Bailing Sheet

| Well ID | Order Time | DTP | DTW | DOP | Amount of Product Removed | Casing Dia | Comment |
|---------|------------|-----|-------|-----|---------------------------|------------|---------|
| MW-1 | 1:00 | | 23.13 | | | | |
| MW-2 | 1:20 | | 21.28 | | | | |
| MW-3 | 1:15 | | 22.15 | | | | |
| MW-4 | 1:10 | | 19.83 | | | | |
| MW-5 | 1:05 | | 17.14 | | | | |
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Project Name: Douglas Parkin

Project Number: 580-0197-053

Technician: JLH

Date: 10-4-02

CAMBRIA

WELL SAMPLING FORM

| | | |
|--|-------------------------|---------------------------|
| Project Name: Douglas Parking | Cambria Mgr: MHF | Well ID: MW-2 |
| Project Number: 580-0197 | Date: 10/04/02 | Well Yield: |
| Site Address: 1721 Webster St. Oakland, Ca | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): SG |
| Initial Depth to Water: 21.28 | Total Well Depth: 25.70 | Water Column Height: 4.42 |
| Volume/ft: 0.16 | 1 Casing Volume: 0.70 | 3 Casing Volumes: 2.10 |
| Purging Device: disposable bailer | Did Well Dewater?: No | Total Gallons Purged: 2 |
| Start Purge Time: 2:55 | Stop Purge Time: 3:09 | Total Time: 14 mins |

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. | pH | Cond. | Comments |
|------|---------------|-------|------|-------|----------|
| 3:00 | .75 | 21.4 | 7.03 | 1219 | |
| 3:05 | 1.50 | 20.9 | 7.10 | 1025 | |
| 3:10 | 2.0 | 20.9 | 7.12 | 1070 | |
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| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------|----------|------|----------------|--------------|----------------|-----------------|
| MW-2 | 10/04/02 | 3:15 | 4VOAs | HCL | TPHg BTEX MTBE | 8260 |
| | | | | | | |
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CAMBRIA

WELL SAMPLING FORM

| | | |
|--|-------------------------|---------------------------|
| Project Name: Douglas Parking | Cambria Mgr: MIIF | Well ID: MW-3 |
| Project Number: 580-0197 | Date: 10/04/02 | Well Yield: |
| Site Address: 1721 Webster St. Oakland, Ca | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): SG |
| Initial Depth to Water: 22.15 | Total Well Depth: 26.65 | Water Column Height: 4.50 |
| Volume/ft: 0.16 | 1 Casing Volume: 0.72 | 3 Casing Volumes: 2.16 |
| Purging Device: disposable bailer | Did Well Dewater?: no | Total Gallons Purged: 2 |
| Start Purge Time: 3:30 | Stop Purge Time: 3:44 | Total Time: 14 mins |

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. | pH | Cond. | Comments |
|------|---------------|-------|------|-------|----------|
| 3:35 | .75 | 20.7 | 7.25 | 940 | |
| 3:40 | 1.50 | 20.8 | 7.20 | 817 | |
| 3:45 | 2.0 | 20.5 | 7.18 | 839 | |
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| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------|----------|------|----------------|--------------|----------------|-----------------|
| MW-3 | 10/04/02 | 3:50 | 4VOAs | HCL | TPHg BTEX MTBE | 8260 |
| | | | | | | |
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CAMBRIA

WELL SAMPLING FORM

| | | |
|--|-------------------------|---------------------------|
| Project Name: Douglas Parking | Cambria Mgr: MHF | Well ID: MW-4 |
| Project Number: 580-0197 | Date: 04/04/02 | Well Yield: |
| Site Address: 1721 Webster St. Oakland, Ca | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): SG |
| Initial Depth to Water: 19.83 | Total Well Depth: 29.20 | Water Column Height: 9.37 |
| Volume/ft: 0.16 | 1 Casing Volume: 1.49 | 3 Casing Volumes: 4.49 |
| Purging Device: disposable bailer | Did Well Dewater?: No | Total Gallons Purged: 4.5 |
| Start Purge Time: 2:20 | Stop Purge Time: 2:34 | Total Time: 14 mins |

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. | pH | Cond. | Comments |
|------|---------------|-------|------|-------|----------|
| 2:25 | 1.5 | 21.7 | 7.20 | 815 | |
| 2:30 | 3.0 | 21.5 | 7.24 | 689 | |
| 2:35 | 4.5 | 21.5 | 7.22 | 712 | |
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| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------|----------|------|----------------|--------------|----------------|-----------------|
| MW-4 | 04/04/02 | 2:40 | 4VOAs | HCL | TPHg BTEX MTBE | 8260 |
| | | | | | | |
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WELL SAMPLING FORM

| | | |
|--|-------------------------|---------------------------|
| Project Name: Douglas Parking | Cambria Mgr: MHF | Well ID: MW-5 |
| Project Number: 580-0197 | Date: 10/04/02 | Well Yield: |
| Site Address: 1721 Webster St. Oakland, Ca | Sampling Method: | Well Diameter: 2" pvc |
| | Disposable bailer | Technician(s): SG |
| Initial Depth to Water: 17.14 | Total Well Depth: 24.30 | Water Column Height: 7.16 |
| Volume/ft: 0.16 | 1 Casing Volume: 1.14 | 3 Casing Volumes: 3.43 |
| Purging Device: disposable bailer | Did Well Dewater?: NO | Total Gallons Purged: 3 |
| Start Purge Time: 1:45 | Stop Purge Time: 1:59 | Total Time: 14mins |

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. | pH | Cond. | Comments |
|------|---------------|-------|------|-------|----------|
| 1:50 | 1 | 19.5 | 7.09 | 620 | |
| 1:55 | 2 | 20.1 | 7.14 | 471 | |
| 2:00 | 3 | 20.4 | 7.18 | 552 | |
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| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-----------|----------|------|----------------|--------------|----------------|-----------------|
| MW-5 | 10/04/02 | 2:05 | 4VOAs | HCL | TPHg BTEX MTBE | 8260 |
| | | | | | | |
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CAMBRIA
Supplemental Billing Form
Standard and State Fund Rates 2002

FILE COPY

Date: 10-4-02

Project Name: Douglas Parkins

Employee Name Sanjiv Gill

Project #: 580-0197 task 053

| Category | Description | Unit | Amount | Comments |
|----------|--|---------|--------|----------|
| 00000 | Dr Compressor | Day | 35.00 | |
| 00080 | Baller (PVC) | Day | 8.00 | |
| 00004 | Baller (products thickness) | Day | 20.00 | |
| 00005 | Baller (Teflon) | Day | 20.00 | |
| 00051 | Generator | Day | 60.00 | |
| 00023 | Hand Auger Kit w/ core sampler/hammer | Day | 30.00 | |
| 00049 | Meter - Combustible Gas/O2 Level | Day | 50.00 | |
| 00001 | Meter - Dissolved Oxygen Meter | Day | 40.00 | |
| 00008 | Meter - Interface | Day | 40.00 | |
| 00002 | Meter - pH, Conductivity, Temperature | Day | 40.00 | |
| 00052 | Meter - Photo-Ionization Detector (PID) | Day | 100.00 | |
| 00233 | Meter - Flame-Ionization Detector (FID) | Day | 150.00 | |
| 00037 | Meter- Turbidity | Day | 20.00 | |
| 00057 | Meter - Vacuum/Pressure Gauges | Day | 20.00 | |
| 00050 | Meter - Vapor Flow Meter | Day | 20.00 | |
| 00066 | Meter - Water Level | Day | 25.00 | |
| 00058 | Pump - DC Purging 2" (3 gpm to 40ft deep) | Day | 15.00 | |
| 00040 | Pump - Hand Purging, 2" (3 gpm to 40 ft deep) | Day | 15.00 | |
| 00044 | Pump - Submersible 2" (8 gpm) | Day | 50.00 | |
| 00045 | Pump - Submersible 4" (40 gpm) | Day | 60.00 | |
| 00011 | Pump - Trash (150 gpm) | Day | 55.00 | |
| 00235 | Traffic Control - Cones | Each 25 | 8.00 | |
| 00037 | Traffic Control - Signs, Barricades (no flagmen or lightboards) | Day | 30.00 | |
| 00241 | Report Production (Standard, <1/2 in) | Each | 25.00 | |
| 00242 | Report Production (Oversized, >1/2 in) | Each | 50.00 | |
| 00056 | Ballers (Disposable) Polypropylene | Each | 8.00 | L |
| 00020 | Personal Protective Equipment: Level C (per person/day) | Unit | 40.00 | |
| 00010 | Personal Protective Equipment: Level D (per person /day) | Unit | 0.00 | |
| 00238 | Padlocks | Each | 10.00 | |
| 00038 | Soil Sampling Liners (Brass) | Each | 6.00 | |
| 00234 | Soil Sampling Liners (Stainless Steel) | Each | 10.00 | |
| 00239 | Tedlar Bags (1 Liter) | Each | 10.00 | |
| 00026 | Film | Photo | 2.00 | |
| 00035 | 55-Gallon Drum | Each | 40.00 | |
| 00014 | Miscellaneous field supplies (gloves, water, rope, caution tape, etc.) | Unit | 25.00 | |
| 00061 | Mileage | Mile | 0.40 | |
| 00063 | Truck (2WD Pick-up, van) | Day | 55.00 | |
| 00236 | Specialized vehicle (4WD) | Day | 75.00 | |
| 00015 | Per diem | Day | 85.00 | |
| 00067 | UST Fund | | | |
| 00067 | Mileage - Truck/Auto (2WD Pick-up, van) if miles/day under 120 | Mile | 0.50 | 10 |
| 00063 | Truck (2WD Pick-up, van) if miles/day over 120 | Day | 60.00 | |
| 00061 | Mileage - Specialized vehicle (4WD) if miles/day under 125 | Mile | 0.60 | |
| 00236 | Specialized vehicle (4WD) if miles/day over 125 | Day | 75.00 | |
| 00015 | Per diem | Day | 85.00 | |

C A M B R I A



APPENDIX B

Laboratory Analytical Report



McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

| | | |
|--|--|--------------------------|
| Cambria Env. Technology 6262 Hollis St. Emeryville, CA 94608 | Client Project ID: #580-0197-053; Douglas Parking | Date Sampled: 10/04/02 |
| | Client Contact: Mary Holland Ford | Date Received: 10/07/02 |
| | Client P.O.: | Date Reported: 10/18/02 |
| | | Date Completed: 01/10/03 |

WorkOrder: 0210143

January 10, 2003

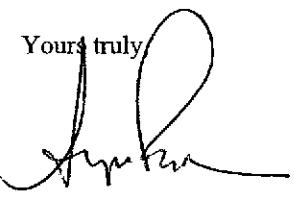
Dear Mary:

Enclosed are:

- 1). the results of 4 analyzed samples from your **#580-0197-053; Douglas Parking 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. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly


Angela Rydelius, Lab Manager



McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone: 925-798-1620 Fax: 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

| | | |
|--|--|---|
| Cambria Env. Technology 6262 Hollis St. Emeryville, CA 94608 | Client Project ID: #580-0197-053; Douglas Parking | Date Sampled: 10/04/02 Date Received: 10/07/02 |
| | Client Contact: Mary Holland Ford Client P.O.: | Date Extracted: 10/16/02 Date Analyzed: 10/16/02 |

Methyl tert-Butyl Ether*

Extraction method: SW5030B

Analytical methods: SW8260B

Work Order: 0210143

| Lab ID | Client ID | Matrix | Methyl-t-butyl ether (MTBE) | DF | % SS |
|--------|-----------|--------|-----------------------------|----|------|
| 003A | MW-4 | W | ND | 1 | 113 |
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|--|---|-----|------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | W | 0.5 | µg/L |
| | S | NA | NA |

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in ug/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644


Edward Hamilton, Lab Director



McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0210143

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 4315 | | Spiked Sample ID: 0210143-004A | | | | | |
|----------------------------|--------|---------------------|--------|---------------|---------|--------------------------------|--------|----------|-------------------------|------|-----|
| Compound | Sample | Spiked | MS* | MSD* | MS-MSD* | LCS | LCSD | LCS-LCSD | Acceptance Criteria (%) | | |
| | µg/L | µg/L | % Rec. | % Rec. | % RPD | % Rec. | % Rec. | % RPD | Low | High | |
| TPH(gas) | ND | 60 | 101 | 98 | 3.46 | 97.3 | 98.7 | 1.49 | 80 | 120 | |
| MTBE | ND | 10 | 80.8 | 90.2 | 10.9 | 92.3 | 92.5 | 0.191 | 80 | 120 | |
| Benzene | ND | 10 | 93.6 | 105 | 11.2 | 94.4 | 97.2 | 2.93 | 80 | 120 | |
| Toluene | ND | 10 | 99.3 | 111 | 11.4 | 101 | 109 | 7.19 | 80 | 120 | |
| Ethylbenzene | ND | 10 | 102 | 109 | 6.45 | 96.6 | 104 | 7.08 | 80 | 120 | |
| Xylenes | ND | 30 | 103 | 107 | 3.17 | 100 | 100 | 0 | 80 | 120 | |
| %SS: | | 103 | 100 | 99.8 | 110 | 9.51 | 89.9 | 92.7 | 3.07 | 80 | 120 |

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

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = 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.

% Recovery = $100 * (\text{MS-Sample}) / (\text{Amount Spiked})$; RPD = $100 * (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) * 2$.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.



McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacifico, CA 94553-5560
 Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: W

WorkOrder: 0210143

| EPA Method: SW8260B | | Extraction: SW5030B | | BatchID: 4433 | | Spiked Sample ID: 0210270-001A | | | | |
|-----------------------------|--------|---------------------|--------|---------------|---------|--------------------------------|--------|----------|-------------------------|------|
| Compound | Sample | Spiked | MS* | MSD* | MS-MSD* | LCS | LCSD | LCS-LCSD | Acceptance Criteria (%) | |
| | µg/L | µg/L | % Rec. | % Rec. | % RPD | % Rec. | % Rec. | % RPD | Low | High |
| Methyl-t-butyl ether (MTBE) | ND | 10 | 109 | 107 | 1.63 | 115 | 116 | 0.784 | 70 | 130 |
| %SS1: | 104 | 100 | 85.4 | 101 | 16.9 | 92.5 | 87.3 | 5.73 | 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

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = 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.

% Recovery = $100 * (\text{MS-Sample}) / (\text{Amount Spiked})$; RPD = $100 * (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) * 2$.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

0010145

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560

Telephone: (925) 798-1620

Fax: (925) 798-1622

Report To: Mary Holland Ford Bill To: Cambria Env. Tech.
 Company: Cambria Environmental Technology Inc.
 6262 Hollis Street

Emeryville, CA 94608

E-mail:

Tele: 510-450-1982

Fax: 510-450-8295

Project #: 580-0197-053

Project Name: Douglas ParkingProject Location: 1721 Webster St. Oakland, CaSampler Signature: R. Bell

CHAIN OF CUSTODY RECORD

TURN AROUND TIME:
RUSH 24 HOUR 48 HOUR 5 DAYEDF Required? Yes No

Analysis Request

Other

Comments

| SAMPLE ID (Field Point Name) | LOCATION | SAMPLING | | # Containers | Type Containers | MATRIX | | | METHOD PRESERVED | BTX & TPH as Gas (60/280/20 + 80/15)/MTBE | TPH as Diesel (80/15) | Total Petroleum Oil & Grease (55/20 E&FB&F) | Total Petroleum Hydrocarbons (418.1) | EPA 601 / 8010 | BTX ONLY (EPA 602 / 8020) | EPA 608 / 8080 | EPA 608 / 8080 PCB's ONLY | EPA 624 / 8240 / 8260 | EPA 625 / 8270 | PAH's / PNA's by EPA 625 / 8270 / 8310 | CAM-17 Metals | LUFT'S Metals | Lead (72407421/239.2/6010) | RCI | |
|---------------------------------|----------|----------|------|--------------|-----------------|--------|------|-----|---------------------|---|-----------------------|---|--------------------------------------|----------------|---------------------------|----------------|---------------------------|-----------------------|----------------|--|---------------|---------------|----------------------------|-----|--|
| | | Date | Time | | | Water | Soil | Air | | | | | | | | | | | | | | | | | |
| MW-2 | | 10-4-02 | 3:15 | 4 | VQA | X | | | | X | X | | | X | | | | | | | | | | | |
| MW-3 | | 10-4-02 | 3:50 | 4 | VQA | X | | | | X | X | | | X | | | | | | | | | | | |
| MW-4 | | 10-4-02 | 2:40 | 4 | VQA | X | | | | X | X | | | X | | | | | | | | | | | |
| MW-5 | | 10-4-02 | 2:05 | 4 | VQA | X | | | | X | X | | | X | | | | | | | | | | | |

Relinquished By:

Date: 10-7-02 Time: 4:00 Received By:

secure location

Relinquished By:

Date: 10/07/02 Time: 10:00 Received By:
Tony Dwan & Al

Relinquished By:

Date: 10/07/02 Time: 14:00 Received By:
Milena Veller

Remarks:

RECEIVED
SECURITY DEPARTMENT
LABORATORY
IMMEDIATELY
IMMEDIATELY IN LAB

PRESERVATION
APPROPRIATE
CONTAINERS
IMMEDIATELY
PRESERVED IN LAB

