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January 17, 2004
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Mr. Amir Gholami
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Groundwater Monitoring and System Progress Report
Fourth Quarter 2004**
Former Exxon Service Station
3055 35th Avenue
Oakland, California
Cambria Project #130-0105



Dear Mr. Gholami:

On behalf of Mr. Lynn Worthington of Golden Empire Properties, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring and System Progress Report – Fourth Quarter 2004*. Presented in the report are the fourth quarter 2004 activities and the anticipated first quarter 2005 activities.

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 and System Progress Report - Fourth Quarter 2004

cc: Mr. Lynn Worthington, Golden Empire Properties, Inc. 5942 MacArthur Boulevard, Suite B, Oakland, California 94605

**Cambria
Environmental
Technology, Inc.**

5900 Hollis Street
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Emeryville, CA 94608
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GROUNDWATER MONITORING AND SYSTEM PROGRESS REPORT

FOURTH QUARTER 2004

Former Exxon Service Station
3055 35th Avenue
Oakland, California
Cambria Project #130-0105

January 17, 2004



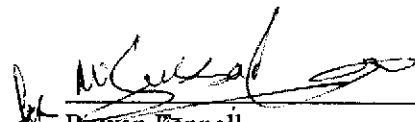
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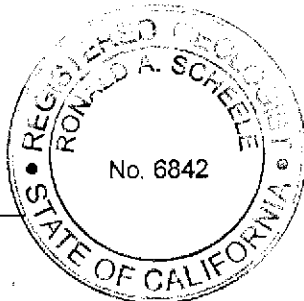
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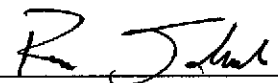
Mr. Lynn Worthington
Golden Empire Properties, Inc.
5942 MacArthur Boulevard, Suite B
Oakland, California 94605

Prepared by:

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5900 Hollis Street, Suite A
Emeryville, California 94608


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Senior Geologist

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GROUNDWATER MONITORING AND SYSTEM PROGRESS REPORT

FOURTH QUARTER 2004

Former Exxon Service Station
3055 35th Avenue
Oakland, California
Cambria Project #130-0105

January 17, 2004



INTRODUCTION

On behalf of Mr. Lynn Worthington of Golden Empire Properties, Cambria Environmental Technology, Inc. (Cambria) has prepared this *Groundwater Monitoring and System Progress Report* for the above-referenced site (see Figure 1). Presented in the report are the fourth quarter 2004 groundwater monitoring and corrective action activities and the anticipated first quarter 2005 activities.

FOURTH QUARTER 2004 ACTIVITIES

Monitoring Activities

Field Activities: On December 27, 2004, Cambria conducted quarterly monitoring activities. Cambria gauged and inspected for separate-phase hydrocarbons (SPH) in all monitoring and remediation wells (Figure 1). Groundwater samples were collected from wells MW-1 through MW-4. Groundwater monitoring field data sheets are presented in Appendix A. The monitoring data has been submitted to the GeoTracker database. See Appendix C for the GeoTracker electronic delivery confirmation.

Sample Analyses: Groundwater samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) with silica gel clean-up by modified EPA Method 8015, and benzene, toluene, ethylbenzene and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8021B. The laboratory analytical report is presented as Appendix B. The analytical data has been submitted to the GeoTracker database. See Appendix C for the GeoTracker electronic delivery confirmation.

Monitoring Results

Groundwater Flow Direction: Based on depth to water measurements collected during Cambria's December 27, 2004 site visit, groundwater flow direction was not established due to anomalous groundwater elevation data. Groundwater monitoring data is presented in Table 1.

Hydrocarbon Distribution in Groundwater: Hydrocarbon concentrations were detected in all four sampled wells. TPHg concentrations ranged from 10,000 micrograms per liter ($\mu\text{g/L}$) to 32,000 $\mu\text{g/L}$, with the highest concentration detected in well MW-3. Benzene concentrations ranged from 1,000 $\mu\text{g/L}$ to 4,400 $\mu\text{g/L}$, with the highest concentration detected in well MW-3. TPHd concentration ranged from 1,400 $\mu\text{g/L}$ to 24,000 $\mu\text{g/L}$, with the highest concentration detected in well MW-3. MTBE was detected above laboratory detection limits in well MW-2, at a concentration of 620 $\mu\text{g/L}$. Hydrocarbon concentrations have increased this quarter consistent with the seasonal rise in the groundwater table. Hydrocarbon concentrations continue to exhibit overall decreasing trends (see Appendix D for individual well concentration trend graphs). Analytical results are summarized in Table 1 and shown on Figure 1.

Corrective Action Activities

System Shutdown and Removal: No corrective action activities took place during fourth quarter 2004. Due to low hydrocarbon removal rates during the third quarter 2004, Cambria requested and received approval from the Alameda County Health Care Services Agency (ACHCSA) to shutdown the two-phase extraction (TPE) remediation system operations. On September 29, 2004, remediation activities ceased and the TPE system was removed from the site on September 30, 2004.

ANTICIPATED FIRST QUARTER 2005 ACTIVITIES

Monitoring Activities

During the first quarter 2005, Cambria will gauge the site wells, check the wells for SPH, and collect groundwater samples from monitoring wells MW-1 through MW-4, RW-5, and RW-9. Groundwater samples will be analyzed for TPHg and TPHd with silica gel clean-up by Modified EPA Method 8015 and BTEX and MTBE by EPA Method 8021B. Cambria will summarize groundwater monitoring activities and results in the *Groundwater Monitoring and System Progress Report – First Quarter 2005*.

Corrective Action Activities

Cambria will prepare a Remediation Work Plan during the first quarter 2005. The Remediation Work Plan will review and evaluate several alternative remediation technologies and will also outline the steps to implement the selected remedial alternative to accelerate site cleanup.

ATTACHMENTS

Figure 1 – Groundwater Elevation and Analytical Summary Map – December 27, 2004



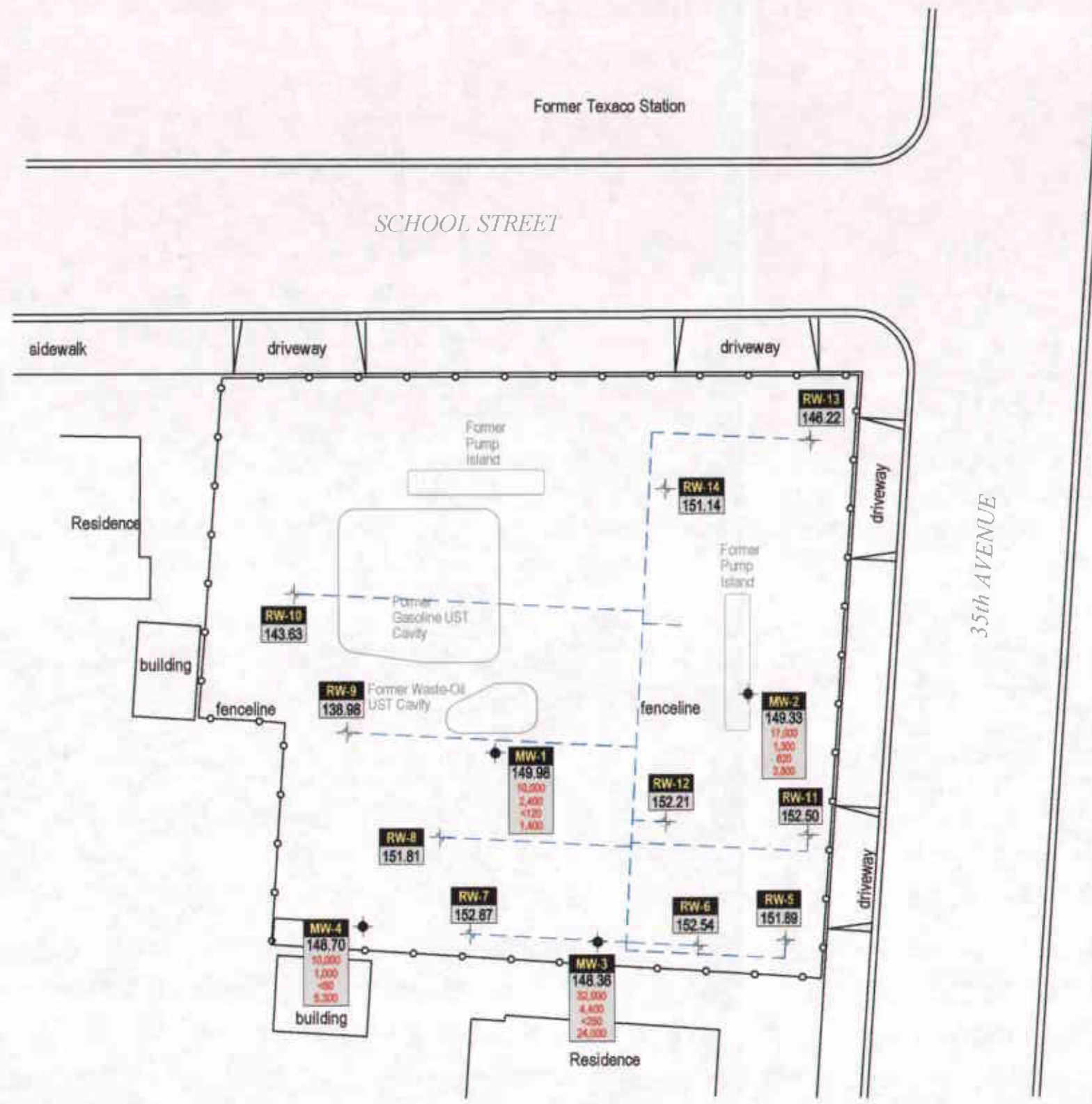
Table 1 – Groundwater Elevations and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Analytical Results for Groundwater Sampling

Appendix C – GeoTracker Electronic Delivery Confirmations

Appendix D – TPHg and Benzene Concentration Trend Graphs

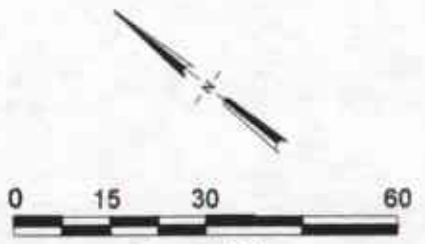


EXPLANATION

- MW-1 ◆ Monitoring well location
- RW-6 ✦ Remediation well location
- Joint utility pole
- - - - - Underground Remediation Piping

| Well ID | ELEV | TPH | Benzene | MTBE | TPH |
|---------|-----------------------------|---|---------|------|-----|
| | Groundwater elevation (msl) | Hydrocarbon concentrations in groundwater, in micrograms per liter (µg/L) | | | |

Note: Groundwater data was not contoured due to anomalous groundwater elevations from heavy seasonal rainfall.



Source: Virgil Chavez Land Surveying

FIGURE 1



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Table 1. Groundwater Elevations and Analytical Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | GW | SPH | GW | TPHg | TPHd | TPHmo | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System |
|---------|----------|------------|-------|------------|---|------------------------|---------|---------|---------|--------------|---------|--------|--------|---------------|
| TOC | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | (mg/L) | Status |
| MW-1 | 5/25/94 | 16.79 | Sheen | 84.06 | 120,000 | 25,000 | <50,000 | 22,000 | 17,000 | 2,800 | 16,000 | --- | --- | |
| 100.85 | 7/19/94 | 20.77 | --- | 80.08 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 8/18/94 | 21.04 | Sheen | 79.81 | 925,000 | --- | --- | 16,500 | 6,200 | 1,000 | 9,400 | --- | --- | |
| | 11/11/94 | 15.80 | --- | 85.05 | 57,000 | --- | --- | 14,000 | 4,400 | 1,400 | 6,400 | --- | --- | |
| | 2/27/95 | 15.53 | --- | 85.32 | 45,000 | --- | --- | 2,900 | 2,500 | 760 | 4,100 | --- | --- | |
| | 5/23/95 | 15.29 | --- | 85.56 | 22,000 | --- | --- | 9,900 | 990 | 790 | 2,000 | --- | --- | |
| | 8/22/95 | 20.90 | --- | 79.95 | 23,000 | --- | --- | 6,900 | 340 | 1,200 | 1,900 | --- | --- | |
| | 11/29/95 | 22.19 | --- | 78.66 | 37,000 | --- | --- | 9,900 | 530 | 1,600 | 2,900 | --- | --- | |
| | 2/21/96 | 11.69 | --- | 89.16 | 33,000 | 4,300 | --- | 10,000 | 480 | 1,000 | 1,800 | 3,300 | --- | |
| | 5/21/96 | 14.62 | --- | 86.23 | 36,000 | 8,500 | --- | 8,500 | 1,400 | 1,300 | 2,800 | 1,900 | --- | |
| | 8/22/96 | 22.30 | --- | 78.55 | 41,000 | 6,200 | --- | 8,600 | 1,300 | 1,500 | 2,900 | <200 | 8.0 | |
| | 11/27/96 | 17.24 | Sheen | 83.61 | 38,000 | 6,100 | --- | 9,600 | 950 | 1,600 | 3,100 | <400 | 5.6 | |
| | 3/20/97 | 16.65 | --- | 84.20 | 33,000 | 10,000 | --- | 6,100 | 560 | 970 | 2,200 | <400 | 8.5 | |
| | 6/25/97 | 19.77 | --- | 81.08 | 31,000 | 7,400 ^a | --- | 7,400 | 440 | 890 | 1,800 | <400 | 3.7 | |
| | 9/17/97 | 20.12 | --- | 80.73 | 32,000 ^d | 3,500 ^e | --- | 9,100 | 550 | 1,000 | 2,000 | <1,000 | 2.1 | |
| | 12/22/97 | 12.95 | --- | 87.90 | 26,000 ^d | 5,800 ^e | --- | 7,900 | 370 | 920 | 1,500 | <790 | 0.7 | |
| | 3/18/98 | 12.34 | Sheen | 88.51 | 30,000 ^d | 4,200 ^{e,f} | --- | 7,800 | 820 | 840 | 2,000 | <1,100 | 1.3 | |
| | 7/14/98 | 17.34 | --- | 83.51 | 41,000 ^d | 8,900 ^{e,f} | --- | 8,200 | 1,100 | 1,200 | 3,000 | <200 | 1.8 | |
| | 9/30/98 | 19.90 | --- | 80.95 | 37,000 | 3,300 | --- | 11,000 | 950 | 1,200 | 2,800 | <20 | 2.0 | |
| | 12/8/98 | 15.62 | --- | 85.23 | 22,000 | 3,700 | --- | 3,000 | 1,200 | 730 | 3,100 | <900 | --- | |
| | 3/29/99 | 11.98 | --- | 88.87 | 36,000 ^d | 6,800 ^e | --- | 12,000 | 750 | 1,300 | 2,400 | 950 | 0.50 | |
| | 6/29/99 | 20.77 | --- | 80.08 | 28,000 ^d | 3,500 ^e | --- | 7,300 | 420 | 810 | 1,700 | <1,300 | 0.10 | |
| | 9/28/99 | 19.68 | --- | 81.17 | 13,000 ^d | 3,600 ^{e,f} | --- | 3,200 | 130 | 320 | 1,100 | <210 | 0.55 | |
| | 12/10/99 | 17.02 | --- | 83.83 | 25,000 ^d | 2,900 ^{e,f} | --- | 5,400 | 130 | 620 | 1,400 | <1,000 | 1.03 | |
| | 3/23/00 | 12.76 | --- | 88.09 | 21,000 ^d | 3,300 ^f | --- | 4,700 | 140 | 470 | 1,100 | <350 | --- | |
| | 9/7/00 | 19.45 | --- | 81.40 | 40,000 ^{d,s} | 12,000 ^s | --- | 3,700 | 1,400 | 910 | 4,900 | <50 | 0.17 | |
| | 12/5/00 | 18.60 | --- | 82.25 | 26,000 ^d | 3,400 ^f | --- | 7,900 | 150 | 580 | 810 | <300 | 0.35 | Not operating |
| | 3/7/01 | 16.19 | --- | 84.66 | 13,000 | 2,400 | --- | 2,700 | 43 | 69 | 300 | <100 | 0.49 | Not operating |
| | 6/6/01 | 18.47 | --- | 82.38 | 19,000 | 4,000 | --- | 4,500 | 130 | 270 | 430 | <400 | 0.39 | Not operating |
| | 8/30/01 | 21.70 | --- | 79.15 | 8,800 ^a | 1,400 ^d | --- | 2,100 | 45 | 91 | 240 | <130 | 0.27 | Operating |
| | 12/7/01 | 26.55 | --- | 74.30 | 8,700 ^d | 1,900 ^{e,f} | --- | 1,300 | 160 | 38 | 730 | <20 | 0.59 | Operating |
| | 3/11/02 | 17.13 | --- | 83.72 | 9,400 ^d | 1,400 ^e | --- | 2,100 | 200 | 74 | 470 | <20 | 0.39 | Operating |
| | 6/10/02 | 24.10 | --- | 76.75 | 4,200 ^d | 900 ^{g,k} | --- | 830 | 170 | 110 | 460 | <100 | --- | Operating |
| | 9/26/02 | 20.30 | --- | 80.55 | 7,000 ^d | 1,300 ^{g,k} | --- | 1,300 | 190 | 200 | 760 | <100 | 0.70 | Operating |
| | 11/21/02 | 21.55 | --- | 79.30 | 83,000 ^{d,s} | 200,000 ^s | --- | 7,100 | 1,700 | 3,000 | 13,000 | <1,000 | 0.49 | Operating |
| | 1/13/03 | 14.80 | --- | 86.05 | 20,000 ^d | 5,300 ^{d,l} | --- | 2,300 | 480 | 300 | 2,100 | <500 | 0.33 | Not operating |
| | 4/25/03 | 20.90 | --- | 79.95 | 4,200 ^d | 320 ^e | --- | 580 | 81 | 59 | 470 | <50 | --- | Operating |
| | 5/30/03 | 16.65 | --- | 84.20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 9/3/03 | 24.16 | --- | 76.69 | 14,000 ^d | 36,000 ^{e,f} | --- | 300 | 50 | 33 | 480 | <50 | --- | Operating |
| | 12/2/03 | 24.12 | --- | 76.73 | 7,100 ^{h,s} | 9,300 ^{e,f,s} | --- | 1,400 | 230 | 160 | 820 | <100 | --- | Operating |
| | 3/18/04 | 17.70 | --- | 83.15 | 3,600 ^d | 1,100 ^{e,l} | --- | 650 | 59 | 38 | 370 | <90 | --- | Operating |
| 167.02 | 6/16/04 | 19.20 | --- | 147.82 | 8,100 ^d | 2,300 ^{e,f} | --- | 1,500 | 69 | 22 | 1,000 | <100 | --- | Not operating |
| | 9/27/04 | 23.07 | --- | 143.95 | 7,800 ^d | 1,700 ^e | --- | 1,800 | 110 | 120 | 670 | <180 | 0.28 | Not operating |
| | 12/27/04 | 17.04 | --- | 149.98 | 10,000 ^d | 1,400 ^e | --- | 2,400 | 170 | 170 | 1,500 | <120 | 0.41 | Not operating |

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Table 1. Groundwater Elevations and Analytical Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | GW | SPH | GW | TPH _g | TPH _d | TPH _m | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System | |
|----------------|----------|------------|-------|------------------------|---|----------------------|------------------|---------|---------|--------------|---------|--------|---------------|---------------|--------|
| TOC | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | | (mg/L) | Status |
| MW-2 100.00 | 5/25/94 | 15.65 | --- | 84.35 | 61,000 | 6,900 | <5,000 | 9,900 | 7,400 | 960 | 4,600 | --- | --- | | |
| | 7/19/94 | 19.81 | --- | 80.19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |
| | 8/18/94 | 20.37 | --- | 79.63 | 88,000 | --- | --- | 10,750 | 10,500 | 1,850 | 9,600 | --- | --- | | |
| | 11/11/94 | 15.52 | --- | 84.48 | 54,000 | --- | --- | 5,900 | 6,700 | 1,300 | 7,500 | --- | --- | | |
| | 2/27/95 | 14.46 | Sheen | 85.54 | 44,000 | --- | --- | 5,100 | 5,300 | 930 | 6,400 | --- | --- | | |
| | 5/23/95 | 14.17 | --- | 85.83 | 33,000 | --- | --- | 8,200 | 5,600 | 900 | 6,600 | --- | --- | | |
| | 8/22/95 | 19.80 | --- | 80.20 | 38,000 | --- | --- | 6,400 | 5,000 | 1,100 | 5,600 | --- | --- | | |
| | 11/29/95 | 21.05 | --- | 78.95 | 46,000 | --- | --- | 7,100 | 5,300 | 1,300 | 6,000 | --- | --- | | |
| | 2/21/96 | 10.53 | --- | 89.47 | 59,000 | --- | --- | 8,000 | 6,000 | 1,800 | 8,900 | 4,500 | --- | | |
| | 5/21/96 | 13.47 | --- | 86.53 | 51,000 | 3,400 | --- | 8,200 | 5,200 | 1,300 | 6,600 | 2,400 | --- | | |
| | 8/22/96 | 19.12 | --- | 80.88 | 37,000 | 5,700 | --- | 5,100 | 3,500 | 960 | 4,500 | <200 | 3.0 | | |
| | 11/27/96 | 16.61 | Sheen | 83.39 | 54,000 | 10,000 | --- | 9,800 | 7,000 | 1,800 | 7,900 | <2,000 | 3.1 | | |
| | 3/20/97 | 15.39 | --- | 84.61 | 27,000 | 6,100 | --- | 3,700 | 2,300 | 580 | 2,800 | <400 | 8.1 | | |
| | 6/25/97 | 18.62 | --- | 81.38 | 42,000 | 7,800 ^b | --- | 7,400 | 3,800 | 1,200 | 5,700 | <200 | 0.9 | | |
| | 9/17/97 | 19.05 | Sheen | 80.95 | 41,000 ^d | 8,900 ^f | --- | 5,200 | 3,400 | 1,300 | 5,900 | <700 | 1.2 | | |
| | 12/22/97 | 14.09 | --- | 85.91 | 47,000 ^d | 6,100 ^f | --- | 8,500 | 4,600 | 1,800 | 8,400 | <1,200 | 1.2 | | |
| | 3/18/98 | 10.83 | Sheen | 89.17 | 58,000 ^d | 7,000 ^{d,f} | --- | 9,300 | 6,100 | 1,800 | 8,200 | <1,100 | 1.1 | | |
| | 7/14/98 | 16.07 | --- | 83.93 | 42,000 ^d | 5,300 ^{d,f} | --- | 6,000 | 3,000 | 1,000 | 4,800 | <200 | 1.5 | | |
| | 9/30/98 | 18.71 | --- | 81.29 | 22,000 | 2,400 | --- | 3,600 | 1,300 | 720 | 3,200 | <30 | 1.8 | | |
| | 12/8/98 | 14.80 | --- | 85.20 | 32,000 | 3,100 | --- | 9,200 | 680 | 1,100 | 2,300 | <2,000 | --- | | |
| | 3/29/99 | 11.81 | --- | 88.19 | 28,000 ^d | 7,500 ^{d,f} | --- | 4,400 | 1,600 | 950 | 4,100 | 410 | 1.86 | | |
| | 6/29/99 | 19.54 | --- | 80.46 | 28,000 ^d | 3,300 ^f | --- | 3,500 | 1,100 | 690 | 3,100 | <1,000 | 0.41 | | |
| | 9/28/99 | 18.61 | --- | 81.39 | 15,000 ^d | 3,400 ^{d,f} | --- | 1,200 | 540 | 230 | 2,300 | <36 | 1.18 | | |
| 12/10/99 | 16.53 | --- | 83.47 | 17,000 ^d | 2,500 ^{d,f} | --- | 1,300 | 780 | 420 | 2,700 | <40 | 0.17 | | | |
| 3/23/00 | 13.56 | --- | 86.44 | 25,000 ^d | 3,100 ^f | --- | 1,900 | 1,100 | 660 | 3,700 | <500 | --- | | | |
| 9/7/00 | 18.25 | --- | 81.75 | 62,000 ^{d,s} | 32,000 ^{f,s} | --- | 5,300 | 2,300 | 1,500 | 8,400 | <100 | 0.39 | | | |
| 12/5/00 | 17.45 | --- | 82.55 | 60,000 ^{d,s} | 87,000 ^{d,f,s} | --- | 5,100 | 2,200 | 1,600 | 9,000 | <200 | 0.31 | Not operating | | |
| 3/7/01 | 15.68 | --- | 84.32 | 34,000 | 3,900 | --- | 1,200 | 770 | 620 | 4,300 | <200 | 0.44 | Not operating | | |
| 6/6/01 | 17.51 | --- | 82.49 | 110,000 | 48,000 | --- | 14,000 | 9,000 | 1,900 | 12,000 | <950 | 0.24 | Not operating | | |
| 8/30/01 | 21.00 | --- | 79.00 | 43,000 ^{a,b} | 15,000 ^{b,h} | --- | 3,100 | 720 | 980 | 5,500 | <200 | --- | Operating | | |
| 12/7/01 | 24.45 | --- | 75.55 | 4,100 ^d | 750 ^{d,f} | --- | 510 | 88 | 8.2 | 580 | <20 | 0.47 | Operating | | |
| 3/11/02 | 16.95 | --- | 83.05 | 4,700 ^d | 590 ^f | --- | 1,200 | 150 | 30 | 310 | <50 | 0.24 | Operating | | |
| 6/10/02 | 18.59 | --- | 81.41 | 14,000 ^d | 2,000 ^f | --- | 2,600 | 710 | 150 | 2,000 | <800 | --- | Operating | | |
| 9/26/02 | 20.39 | --- | 79.61 | 4,800 ^d | 660 ^f | --- | 770 | 200 | 140 | 740 | <50 | 0.29 | Operating | | |
| 11/21/02 | 18.75 | --- | 81.25 | 210,000 ^{d,s} | 350,000 ^{f,s} | --- | 14,000 | 23,000 | 4,400 | 28,000 | <1,700 | 0.43 | Operating | | |
| 1/13/03 | 13.60 | --- | 86.40 | 32,000 ^{d,s} | 14,000 ^{d,f,s,k} | --- | 4,500 | 1,600 | 920 | 3,600 | <1000 | 0.39 | Not operating | | |
| 4/25/03 | 19.05 | --- | 80.95 | 3,800 ^d | 310 ^f | --- | 460 | 78 | 72 | 410 | 310 | --- | Operating | | |
| 5/30/03 | 15.23 | --- | 84.77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating | | |
| 9/3/03 | 23.57 | --- | 76.43 | 2,900 ^d | 2,300 ^f | --- | 240 | 57 | 68 | 380 | 770 | --- | Operating | | |
| 12/2/03 | 23.17 | --- | 76.83 | 2,400 ^{d,s} | 3,300 ^{d,f,s} | --- | 91 | 20 | 14 | 250 | 890 | --- | Operating | | |
| 3/18/04 | 15.78 | --- | 84.22 | 4,200 ^d | 870 ^d | --- | 730 | 89 | <5.0 | 480 | 2,300 | --- | Operating | | |
| 166.14 | 6/16/04 | 18.15 | --- | 147.99 | 15,000 ^d | 9,800 ^{d,f} | --- | 800 | 210 | 290 | 1,800 | 2,000 | --- | Not operating | |
| | 9/27/04 | 27.55** | --- | 138.59 | 770 ^d | 1,000 ^{d,k} | --- | 20 | 7.9 | 10 | 140 | 1,600 | 0.79 | Operating | |
| | 12/27/04 | 16.81 | --- | 149.33 | 17,000 ^d | 3,800 ^{d,f} | --- | 1,300 | 370 | 540 | 3,800 | 620 | 0.94 | Not operating | |

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Table 1. Groundwater Elevations and Analytical Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | GW | SPH | GW | TPHg | TPHd | TPHmo | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System |
|---------------|----------|------------|-------|-----------------------|---|-------------------------|---------|---------|---------|--------------|---------|--------|---------------|---------------|
| TOC | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | (mg/L) | Status |
| MW-3 96.87 | 5/25/94 | 13.93 | Sheen | 82.94 | 56,000 | 14,000 | <50,000 | 14,000 | 14,000 | 1,300 | 11,000 | --- | --- | |
| | 7/19/94 | 17.04 | --- | 79.83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 8/18/94 | 17.75 | --- | 79.12 | 116,000 | --- | --- | 28,300 | 26,000 | 2,400 | 15,000 | --- | --- | |
| | 11/11/94 | 17.80 | --- | 79.07 | 89,000 | --- | --- | 1,600 | 1,900 | 1,900 | 14,000 | --- | --- | |
| | 2/27/95 | 11.86 | Sheen | 85.01 | 250,000 | --- | --- | 22,000 | 26,000 | 7,800 | 21,000 | --- | --- | |
| | 5/23/95 | 11.60 | Sheen | 85.27 | 310,000 | --- | --- | 18,000 | 17,000 | 4,500 | 2,800 | --- | --- | |
| | 8/22/95 | 17.10 | --- | 79.77 | 74,000 | --- | --- | 14,000 | 13,000 | 1,900 | 11,000 | --- | --- | |
| | 11/29/95 | 16.34 | --- | 80.53 | 220,000 | --- | --- | 25,000 | 25,000 | 3,500 | 19,000 | --- | --- | |
| | 2/21/96 | 7.92 | --- | 88.95 | 60,000 | --- | --- | 10,000 | 7,800 | 1,500 | 8,800 | 3,400 | --- | |
| | 5/21/96 | 10.86 | Sheen | 86.01 | 69,000 | 13,000 | --- | 17,000 | 9,400 | 1,700 | 9,400 | 2,600 | --- | |
| | 8/22/96 | 16.50 | --- | 80.37 | 94,000 | 16,000 | --- | 17,000 | 15,000 | 2,100 | 12,000 | 330 | 2.0 | |
| | 11/27/96 | 13.47 | Sheen | 83.40 | 82,000 | 24,000 | --- | 14,000 | 13,000 | 2,400 | 13,000 | <1,000 | 2.4 | |
| | 3/20/97 | 12.86 | --- | 84.01 | 56,000 | 11,000 | --- | 9,900 | 6,900 | 1,300 | 8,000 | 3,500 | 9.0 | |
| | 6/25/97 | 15.98 | --- | 80.89 | 49,000 | 7,700 ^b | --- | 9,700 | 7,100 | 1,300 | 7,000 | 220 | 5.8 | |
| | 9/17/97 | 16.34 | Sheen | 80.53 | 78,000 ^d | 15,000 ^f | --- | 11,000 | 9,900 | 1,800 | 10,000 | <1,200 | 0.7 | |
| | 12/22/97 | 10.71 | Sheen | 86.16 | 49,000 ^d | 14,000 ^f | --- | 7,300 | 5,300 | 1,400 | 7,500 | <1,100 | 3.1 | |
| | 3/18/98 | 8.41 | Sheen | 88.46 | 120,000 ^d | 20,000 ^{d,f} | --- | 21,000 | 19,000 | 2,600 | 15,000 | <1,600 | 1.6 | |
| | 7/14/98 | 13.51 | --- | 83.36 | 94,000 ^{d,g} | 65,000 ^{d,g} | --- | 18,000 | 14,000 | 1,900 | 11,000 | <1,400 | 1.8 | |
| | 9/30/98 | 16.14 | --- | 80.73 | 91,000 | 9,800 | --- | 17,000 | 13,000 | 2,100 | 12,000 | <1,300 | 2.0 | |
| | 12/8/98 | 11.20 | --- | 85.67 | 51,000 | 4,200 | --- | 8,000 | 6,800 | 1,400 | 7,500 | <1,100 | --- | |
| | 3/29/99 | 7.95 | --- | 88.92 | 39,000 ^d | 4,600 ^f | --- | 8,900 | 4,400 | 940 | 4,500 | 810 | 0.56 | |
| | 6/29/99 | 16.98 | --- | 79.89 | 71,000 ^d | 6,900 ^f | --- | 12,000 | 7,300 | 1,400 | 8,400 | <1,700 | 0.19 | |
| | 9/28/99 | 15.99 | --- | 80.88 | 60,000 ^d | 7,800 ^f | --- | 9,400 | 9,200 | 1,000 | 9,900 | 200 | 0.53 | |
| | 12/10/99 | 13.31 | --- | 83.56 | 53,000 ^d | 5,300 ^{d,f} | --- | 8,000 | 6,400 | 1,100 | 8,100 | <200 | 0.48 | |
| | 3/23/00 | 8.98 | --- | 87.89 | 77,000 ^{d,g} | 11,000 ^{d,j} | --- | 10,000 | 9,400 | 1,600 | 11,000 | <430 | --- | |
| | 9/7/00 | 15.61 | --- | 81.26 | 100,000 ^{d,g} | 19,000 ^{d,g} | --- | 17,000 | 12,000 | 1,600 | 11,000 | <500 | --- | |
| | 12/5/00 | 14.80 | --- | 82.07 | 110,000 ^{d,g} | 17,000 ^{f,g} | --- | 17,000 | 11,000 | 1,900 | 12,000 | <750 | 0.37 | Not operating |
| 3/7/01 | 14.27 | --- | 82.60 | 60,000 | 13,000 | --- | 7,000 | 4,600 | 900 | 7,100 | <350 | 0.49 | Not operating | |
| 6/6/01 | 14.88 | --- | 81.99 | 43,000 | 12,000 | --- | 3,000 | 1,000 | 770 | 5,200 | <400 | 1.71 | Not operating | |
| 8/30/01 | 12.43 | --- | 84.44 | 95,000 ^{d,h} | 190,000 ^{d,i} | --- | 6,900 | 10,000 | 2,700 | 15,000 | <250 | 0.24 | Operating | |
| 12/7/01 | 24.65 | --- | 72.22 | 25,000 ^d | 3,900 ^{d,j} | --- | 2,500 | 1,700 | 64 | 2,200 | <200 | 0.19 | Operating | |
| 3/11/02 | 14.69 | --- | 82.18 | 30,000 ^d | 2,800 ^{d,k} | --- | 5,000 | 2,400 | 190 | 1,800 | <1,300 | 0.30 | Operating | |
| 6/10/02 | 22.94 | --- | 73.93 | 9,000 ^d | 990 ^{d,k} | --- | 1,800 | 1,300 | 96 | 1,000 | <300 | --- | Operating | |
| 9/26/02 | 18.85 | --- | 78.02 | 50,000 ^{d,g} | 130,000 ^{d,g} | --- | 3,900 | 5,400 | 820 | 6,600 | <500 | 0.19 | Operating | |
| 11/21/02 | 17.85 | 0.05 | 79.06 | 37,000 ^{d,g} | 120,000 ^{d,g} | --- | 4,000 | 660 | 1,200 | 5,100 | <1,700 | 0.28 | Operating | |
| 1/13/03 | 11.43 | --- | 85.44 | 21,000 ^{d,g} | 6,300 ^{d,g,k} | --- | 2,400 | 2,300 | 390 | 3,000 | <500 | 0.31 | Not operating | |
| 4/25/03 | 18.30 | --- | 78.57 | 12,000 ^d | 1,200 ^e | --- | 1,800 | 850 | 150 | 1,200 | <500 | --- | Operating | |
| 5/30/03 | 13.30 | --- | 83.57 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating | |
| 9/3/03 | 21.65 | --- | 75.22 | 8,100 ^d | 3,300 ^e | --- | 220 | 170 | 66 | 560 | <50 | --- | Operating | |
| 12/2/03 | 17.70 | --- | 79.17 | 30,000 ^{d,g} | 8,400 ^{d,g} | --- | 2,900 | 2,100 | 530 | 3,600 | <500 | --- | Operating | |
| 3/18/04 | 16.49 | --- | 80.38 | 15,000 ^d | 2,300 ^{d,j} | --- | 2,600 | 990 | 260 | 1,700 | <300 | --- | Operating | |
| 162.94 | 6/16/04 | 15.40 | --- | 147.54 | 23,000 ^d | 8,800 ^{d,j} | --- | 2,100 | 1,300 | 360 | 2,800 | <1,000 | --- | Operating |
| | 9/27/04 | 23.65 | --- | 139.29 | 5,200 ^d | 1,700 ^{d,j} | --- | 430 | 220 | 100 | 680 | 250 | 0.55 | Operating |
| | 12/27/04 | 14.58 | --- | 148.36 | 32,000 ^{d,g} | 24,000 ^{d,g,k} | --- | 4,400 | 2,800 | 650 | 4,800 | <250 | 0.71 | Not operating |

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Table 1. Groundwater Elevations and Analytical Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | GW | SPH | GW | TPHg | TPHd | TPHm | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System |
|------------|-----------|------------|-------|-----------------------|---|--------------------------|--------|---------|---------|--------------|---------|------------------|--------------------|---------------|
| TOC | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | (mg/L) | Status |
| MW-4 | 3/20/97 | 13.75 | --- | 83.59 | 47,000 | 3,100 | --- | 11,000 | 4,500 | 1,100 | 5,200 | 3,400 | 8.4 | |
| 97.34 | 6/25/97 | 16.15 | --- | 81.19 | 61,000 | 5,800 ^b | --- | 16,000 | 6,100 | 1,500 | 5,900 | 780 ^c | 1.4 | |
| | 9/17/97 | 17.10 | --- | 80.24 | 60,000 ^d | 4,400 ^e | --- | 17,000 | 4,900 | 1,500 | 5,700 | <1,500 | 1.5 | |
| | 12/22/97 | 9.21 | --- | 88.13 | 43,000 ^d | 3,100 ^e | --- | 13,000 | 3,900 | 1,100 | 4,200 | <960 | 3.7 | |
| | 3/18/98 | 9.54 | --- | 87.80 | 58,000 ^d | 5,500 ^{d,f} | --- | 14,000 | 4,700 | 1,400 | 5,700 | <1,200 | 0.8 | |
| | 7/14/98 | 14.15 | --- | 83.19 | 73,000 ^d | 2,900 ^{d,f} | --- | 22,000 | 7,000 | 1,800 | 7,300 | <200 | 1.0 | |
| | 9/30/98 | 16.84 | --- | 80.50 | 39,000 | 2,100 | --- | 12,000 | 2,700 | 1,000 | 3,400 | 510 | 1.1 | |
| | 12/8/98 | 13.45 | --- | 83.89 | 27,000 | 1,600 | --- | 8,900 | 1,600 | 730 | 2,300 | <1,500 | --- | |
| | 3/29/99 | 9.10 | --- | 88.24 | 48,000 ^d | 2,400 ^{e,h} | --- | 15,000 | 3,000 | 1,300 | 5,000 | 1,300 | 1.32 | |
| | 06/29/99* | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 9/28/99 | 16.58 | --- | 80.76 | 24,000 ^d | 3,200 ^{d,f} | --- | 7,500 | 1,200 | 190 | 2,200 | 210 | 14.29 ^g | |
| | 12/10/99 | 13.99 | --- | 83.35 | 47,000 ^d | 3,100 ^{d,f} | --- | 12,000 | 1,800 | 1,000 | 4,400 | <100 | 0.62 | |
| | 3/23/00 | 10.22 | --- | 87.12 | 40,000 ^d | 3,100 ^{d,f} | --- | 11,000 | 1,600 | 910 | 3,100 | 690 | --- | |
| | 9/7/00 | 16.40 | --- | 80.94 | 43,000 ^d | 5,900 ^e | --- | 10,000 | 1,100 | 1,100 | 3,400 | <450 | 1.04 | |
| | 12/5/00 | 15.55 | --- | 81.79 | 69,000 ^{d,g} | 2,600 ^{d,g} | --- | 16,000 | 1,300 | 1,300 | 3,400 | <200 | 0.35 | Not operating |
| 3/20/01 | 14.03 | --- | 83.31 | 46,000 | --- | --- | 13,000 | 1,000 | 900 | 2,800 | <350 | 0.39 | Not operating | |
| 6/6/01 | 15.49 | --- | 81.85 | 75,000 | 5,400 | --- | 22,000 | 1,800 | 1,900 | 6,400 | <1,200 | 2.22 | Not operating | |
| 8/30/01 | 18.00 | --- | 79.34 | 43,000 ^d | 3,200 ^d | --- | 6,400 | 630 | 510 | 2,600 | <200 | 0.32 | Operating | |
| 12/7/01 | 23.45 | --- | 73.89 | 32,000 ^{d,g} | 11,000 ^{d,f,g} | --- | 4,500 | 740 | 310 | 2,300 | <200 | 0.21 | Operating | |
| 3/11/02 | 14.95 | --- | 82.39 | 15,000 ^d | 1,600 ^{d,h} | --- | 3,700 | 500 | 92 | 790 | <500 | 0.30 | Operating | |
| 6/10/02 | 22.30 | --- | 75.04 | 9,400 ^d | 3,400 ^e | --- | 1,400 | 50 | <5.0 | 690 | <200 | --- | Operating | |
| 9/26/02 | 17.93 | --- | 79.41 | 21,000 ^d | 800 ^e | --- | 3,300 | 1,300 | 450 | 2,900 | <500 | 0.24 | Operating | |
| 11/21/02 | 17.55 | --- | 79.79 | 5,700 ^d | 2,400 ^{d,k} | --- | 1,400 | 290 | 63 | 640 | 550 | --- | Operating | |
| 1/13/03 | 11.75 | --- | 85.59 | 35,000 ^{d,g} | 15,000 ^{d,f,g,k} | --- | 5,100 | 1,500 | 510 | 4,500 | <800 | 0.28 | Not operating | |
| 4/25/03 | 19.37 | --- | 77.97 | 6,600 ^d | 2,200 ^{d,f} | --- | 960 | 130 | 100 | 560 | <170 | --- | Operating | |
| 5/30/03 | 13.56 | --- | 83.78 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating | |
| 9/3/03 | 21.65 | --- | 75.69 | 29,000 ^d | 27,000 ^{d,f} | --- | 2,200 | 380 | 280 | 2,300 | 65 | --- | Operating | |
| 12/2/03 | 19.17 | --- | 78.17 | 13,000 ^d | 5,800 ^{d,f} | --- | 1,300 | 180 | 120 | 1,900 | <250 | --- | Operating | |
| 3/18/04 | 14.92 | --- | 82.42 | 5,300 ^d | 1,500 ^e | --- | 1,300 | 55 | 37 | 440 | <180 | --- | Operating | |
| 163.49 | 6/16/04 | 16.02 | --- | 147.47 | 9,100 ^d | 3,400 ^{d,f} | --- | 940 | 96 | 120 | 800 | <50 | --- | Not operating |
| | 9/27/04 | 19.93 | --- | 143.56 | 1,300 ^d | 980 ^{d,l} | --- | 140 | 10 | 11 | 81 | <50 | 0.68 | Not operating |
| | 12/27/04 | 14.79 | --- | 148.70 | 10,000 ^{d,g} | 5,300 ^{d,f,g,k} | --- | 1,000 | 99 | 34 | 1,600 | <50 | 0.74 | Not operating |
| Trip Blank | 7/14/98 | --- | --- | --- | <50 | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | --- | |
| | 9/30/98 | --- | --- | --- | <50 | <50 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | --- | |
| | 12/8/98 | --- | --- | --- | <50 | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | --- | |
| | 3/29/99 | --- | --- | --- | <50 | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | --- | |
| | 6/29/99 | --- | --- | --- | <50 | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | --- | |
| | 3/23/00 | --- | --- | --- | <50 | --- | --- | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 | --- | |
| | 9/7/00 | --- | --- | --- | <50 | --- | --- | <0.5 | 1.1 | <0.5 | 1.1 | <5.0 | --- | |

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Table 1. Groundwater Elevations and Analytical Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | GW | SPH | GW | TPH _g | TPH _d | TPH _{mo} | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System |
|---------|----------|------------|------|------------|---|------------------|-------------------|---------|---------|--------------|---------|------|--------|---------------|
| TOC | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | (mg/L) | Status |
| RW-5 | 6/16/04 | 14.73 | --- | 147.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 162.34 | 9/27/04 | 25.55** | --- | 136.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Operating |
| | 12/27/04 | 10.45 | --- | 151.89 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-6 | 6/16/04 | 14.80 | --- | 147.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 162.36 | 9/27/04 | 18.46 | --- | 143.90 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 9.82 | --- | 152.54 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-7 | 6/16/04 | 15.22 | --- | 147.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 162.72 | 9/27/04 | 18.98 | --- | 143.74 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 9.85 | --- | 152.87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-8 | 6/16/04 | 16.41 | --- | 147.72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 164.13 | 9/27/04 | 19.74 | --- | 144.39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 12.32 | --- | 151.81 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-9 | 6/16/04 | 16.03 | --- | 147.83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 163.86 | 9/27/04 | 19.83 | --- | 144.03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 24.88 | --- | 138.98 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-10 | 6/16/04 | 15.03 | --- | 147.99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 163.02 | 9/27/04 | 18.35 | --- | 144.67 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 19.39 | --- | 143.63 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-11 | 6/16/04 | 14.75 | --- | 147.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 162.57 | 9/27/04 | 18.44 | --- | 144.13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 10.07 | --- | 152.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-12 | 6/16/04 | 15.30 | --- | 147.76 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 163.06 | 9/27/04 | 19.09 | --- | 143.97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 10.85 | --- | 152.21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-13 | 6/16/04 | 15.83 | --- | 148.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 164.34 | 9/27/04 | 19.55 | --- | 144.79 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 18.12 | --- | 146.22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-14 | 6/16/04 | 15.41 | --- | 148.35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| 163.76 | 9/27/04 | 19.20 | --- | 144.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| | 12/27/04 | 12.62 | --- | 151.14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |

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Table 1. Groundwater Elevations and Analytical Data - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | GW | SPH | GW | TPHg | TPHd | TPHmo | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System |
|---|------|------------|------|------------|---|--|-------|---------|---------|--------------|---------|------|--------|------------|
| TOC | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | (mg/L) | Status |
| Abbreviations: | | | | | | Notes: | | | | | | | | |
| TOC = Top of casing elevation measured in feet relative to surveyor's datum. | | | | | | a = Result has an atypical pattern for diesel analysis | | | | | | | | |
| All site wells were re-surveyed by Virgil Chavez Land Surveying on June 2, 2004 to the CA State Coordinate System, Zone III (NAD83). Benchmark elevation = 177.397 feet (NGVD 29) | | | | | | b = Result appears to be a lighter hydrocarbon than diesel | | | | | | | | |
| GW Depth = Groundwater depth measured from TOC. | | | | | | c = There is a >40% difference between primary and confirmation analysis | | | | | | | | |
| GW Elev. = Groundwater elevation | | | | | | d = Unmodified or weakly modified gasoline is significant | | | | | | | | |
| ft = Measured in feet | | | | | | e = Gasoline range compounds are significant | | | | | | | | |
| SPH = Separate-phase hydrocarbons depth measured from TOC. | | | | | | f = Diesel range compounds are significant; no recognizable pattern | | | | | | | | |
| TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015 | | | | | | g = Lighter than water immiscible sheen is present | | | | | | | | |
| TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015 | | | | | | h = One to a few isolated peaks present | | | | | | | | |
| TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method 8015 | | | | | | i = Medium boiling point pattern does not match diesel (stockdard solvent) | | | | | | | | |
| Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8020 | | | | | | j = Aged diesel is significant | | | | | | | | |
| MTBE = Methyl Tertiary Butyl Ether by EPA Method 8020 | | | | | | k = Oil range compounds are significant | | | | | | | | |
| DO = Dissolved oxygen | | | | | | | | | | | | | | |
| µg/L = Micrograms per liter, equivalent to parts per billion in water | | | | | | | | | | | | | | |
| mg/L = Milligrams per liter, equivalent to parts per million in water | | | | | | | | | | | | | | |
| TPE = Two-phase extraction | | | | | | | | | | | | | | |
| --- = Not observed/not analyzed | | | | | | | | | | | | | | |
| * = Well inaccessible during site visit | | | | | | | | | | | | | | |
| ** = No water in well due to system operating in well, value reflects total well depth. | | | | | | | | | | | | | | |
| # = abnormally high reading due to added hydrogen peroxide | | | | | | | | | | | | | | |

Groundwater Monitoring Field Sheet

COPY

| Well ID | Time | DTP | DTW | Product Thickness | Amount of Product Removed | Casing Diam. | Comment |
|---------|-------|-----|-------|-------------------|---------------------------|--------------|---------------------------------------|
| MW-1 | 12:35 | | 17.04 | | | | |
| MW-2 | 12:30 | | 16.81 | | | | |
| MW-3 | 12:40 | | 14.58 | | | | |
| MW-4 | 12:45 | | 14.79 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | heavy rain |
| | | | | | | | no rain water intruded into the wells |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Project Name: Northington

Project Number/Task: 130-0105

Measured By: S. Hall

Date: 12-27-04

Groundwater Monitoring Field Sheet

| Well ID | Time | DTP | DTW | Product Thickness | Amount of Product Removed | Casing Diam. | Comment |
|---------|-------|-----|-------|-------------------|---------------------------|--------------|---------|
| RW-5 | 1:35 | | 10.45 | | | | |
| RW-6 | 1:40 | | 9.82 | | | | |
| RW-7 | 1:30 | | 9.85 | | | | |
| RW-8 | 1:15 | | 12.32 | | | | |
| RW-9 | 1:10 | | 24.88 | | | | |
| RW-10 | 1:05 | | 19.39 | | | | |
| RW-11 | 1:25 | | 10.07 | | | | |
| RW-12 | 1:20 | | 10.85 | | | | |
| RW-13 | 12:55 | | 18.12 | | | | |
| RW-14 | 1:00 | | 12.62 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Project Name: Northington

Project Number/Task: 130-0105

Measured By: S. J. [Signature]

Date: 12-27-04

WELL SAMPLING FORM

| | | |
|--|--|-----------------------------------|
| Project Name: <i>Northington</i> | Cambria Mgr: <i>SN</i> | Well ID: <i>MW-1</i> |
| Project Number: <i>1310-0105</i> | Date: <i>12-27-04</i> | Well Yield: |
| Site Address: <i>3055 3rd Ave. Oakland, CA</i> | Sampling Method: <i>disposable bailer</i> | Well Diameter: <i>4" pvc</i> |
| | | Technician(s): <i>SA</i> |
| Initial Depth to Water: <i>17.04</i> | Total Well Depth: <i>27.13</i> | Water Column Height: <i>10.09</i> |
| Volume/ft: <i>0.65</i> | 1 Casing Volume: <i>6.55</i> | 3 Casing Volumes: <i>19.67</i> |
| Purging Device: <i>4" PVC bailer</i> | Did Well Dewater?: <i>NO</i> | Total Gallons Purged: <i>70</i> |
| Start Purge Time: <i>2:30</i> | Stop Purge Time: <i>3:09</i> | Total Time: <i>39mins</i> |

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. (uS) | Comments |
|-------------|---------------|-------------|-------------|-------------|----------|
| <i>2:40</i> | <i>7</i> | <i>17.6</i> | <i>7.29</i> | <i>940</i> | |
| <i>2:50</i> | <i>14</i> | <i>18.4</i> | <i>7.34</i> | <i>1070</i> | |
| <i>3:10</i> | <i>20</i> | <i>18.6</i> | <i>7.36</i> | <i>1092</i> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Fe = mg/L ORP = mV DO = *0.41* mg/L

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|-----------------|-------------|----------------|--------------|----------|-----------------|
| <i>MW-1</i> | <i>12-27-04</i> | <i>3:15</i> | | | | |
| | | | | | | |
| | | | | | | |

WELL SAMPLING FORM

| | | |
|---|--|-----------------------------------|
| Project Name: <i>Watthington</i> | Cambria Mgr: <i>SN</i> | Well ID: <i>MW-2</i> |
| Project Number: <i>130-0105</i> | Date: <i>12-27-04</i> | Well Yield: |
| Site Address: <i>3055 35th Ave Oakland, CA</i> | Sampling Method: <i>disposable bailer</i> | Well Diameter: <i>4" pvc</i> |
| | | Technician(s): <i>SC</i> |
| Initial Depth to Water: <i>16.81</i> | Total Well Depth: <i>27.45</i> | Water Column Height: <i>10.64</i> |
| Volume/ft: <i>0.65</i> | 1 Casing Volume: <i>6.91</i> | 3 Casing Volumes: <i>20.74</i> |
| Purging Device: <i>4" PVC bailer</i> | Did Well Dewater?: <i>no</i> | Total Gallons Purged: <i>20</i> |
| Start Purge Time: <i>3:45</i> | Stop Purge Time: <i>4:34</i> | Total Time: <i>49 mins</i> |

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. (uS) | Comments |
|-------------|---------------|-------------|-------------|-------------|----------|
| <i>4:05</i> | <i>7</i> | <i>17.6</i> | <i>7.44</i> | <i>1925</i> | |
| <i>4:20</i> | <i>14</i> | <i>17.8</i> | <i>7.30</i> | <i>1070</i> | |
| <i>4:35</i> | <i>20</i> | <i>17.8</i> | <i>7.34</i> | <i>1007</i> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Fe = mg/L ORP = mV DO = *0.94* mg/L

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|-----------------|-------------|----------------|--------------|----------|-----------------|
| <i>MW-2</i> | <i>12-27-04</i> | <i>4:40</i> | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

WELL SAMPLING FORM

| | | |
|--|--|-----------------------------------|
| Project Name: <i>Northington</i> | Cambria Mgr: <i>SN</i> | Well ID: <i>MW-3</i> |
| Project Number: <i>130-0105</i> | Date: | Well Yield: |
| Site Address: <i>3055 35th Ave Oakland, CA</i> | Sampling Method: <i>disposable bailer</i> | Well Diameter: <i>2" pvc</i> |
| | | Technician(s): <i>SG</i> |
| Initial Depth to Water: <i>14.58</i> | Total Well Depth: <i>25.00</i> | Water Column Height: <i>10.42</i> |
| Volume/ft: <i>0.16</i> | 1 Casing Volume: <i>1.66</i> | 3 Casing Volumes: <i>5.00</i> |
| Purging Device: <i>disposable bailer</i> | Did Well Dewater?: <i>no</i> | Total Gallons Purged: <i>5</i> |
| Start Purge Time: <i>6:10</i> | Stop Purge Time: <i>6:39</i> | Total Time: <i>29mins</i> |

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. (uS) | Comments |
|-------------|---------------|-------------|-------------|------------|----------|
| <i>6:20</i> | <i>1.5</i> | <i>18.5</i> | <i>6.99</i> | <i>845</i> | |
| <i>6:30</i> | <i>3</i> | <i>18.9</i> | <i>7.13</i> | <i>892</i> | |
| <i>6:40</i> | <i>5</i> | <i>18.4</i> | <i>7.20</i> | <i>910</i> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Fe = mg/L ORP = mV DO = *0.71* mg/L

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|-----------------|-------------|----------------|--------------|----------|-----------------|
| <i>MW-3</i> | <i>12-27-04</i> | <i>6:45</i> | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

WELL SAMPLING FORM

| | | |
|---|--|-----------------------------------|
| Project Name: <i>Northington</i> | Cambria Mgr: <i>SN</i> | Well ID: <i>MW-4</i> |
| Project Number: <i>130-0105</i> | Date: <i>12-27-04</i> | Well Yield: |
| Site Address: <i>3055 35th Ave. Oakland, CA</i> | Sampling Method: <i>disposable bailer</i> | Well Diameter: <i>2" pvc</i> |
| | | Technician(s): <i>SG</i> |
| Initial Depth to Water: <i>14.79</i> | Total Well Depth: <i>30.10</i> | Water Column Height: <i>15.31</i> |
| Volume/ft: <i>0.16</i> | 1 Casing Volume: <i>2.44</i> | 3 Casing Volumes: <i>7.34</i> |
| Purging Device: <i>disposable bailer</i> | Did Well Dewater?: <i>no</i> | Total Gallons Purged: <i>7</i> |
| Start Purge Time: <i>5:10</i> | Stop Purge Time: <i>5:39</i> | Total Time: <i>29 mins</i> |

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. (uS) | Comments |
|-------------|---------------|-------------|-------------|------------|----------|
| <i>5:20</i> | <i>3</i> | <i>19.5</i> | <i>7.11</i> | <i>640</i> | |
| <i>5:30</i> | <i>5</i> | <i>19.0</i> | <i>7.29</i> | <i>690</i> | |
| <i>5:40</i> | <i>7</i> | <i>19.2</i> | <i>7.25</i> | <i>674</i> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Fe = mg/L ORP = mV DO = *0.74* mg/L

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|-----------------|-------------|----------------|--------------|----------|-----------------|
| <i>MW-4</i> | <i>12-27-04</i> | <i>5:45</i> | | | | |
| | | | | | | |
| | | | | | | |

McCAMPBELL ANALYTICAL INC.

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

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

COPY

ANALYSIS AROUND TIME:

RUSH 24 HOUR 48 HOUR 5 DAY

EDS Required? Yes No

Report To: Matt Meyers Bill To: Cambria Env. Tech

Company: Cambria Environmental Technology Inc.

5700 Hollis Street STE-A

Emeryville, CA 94608

E-mail:

Tele: 510-420-3314

Fax: 510-420-9170

Project #: 130-0105

Project Name: Northington

Project Location: 3055 35th Ave. Oakland, CA

Sampler Signature: [Signature]

Analysis Request

Other

Comments

- BTEX & TPH as Gas (602/8020 + 8015) / MTBE
- TPH as Diesel (8015) with stillage set cleanup
- Total Petroleum Oil & Grease (5520 E&F/B&F)
- Total Petroleum Hydrocarbons (418.1)
- EPA 601 / 8010
- BTEX 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 5 Metals
- Lead (7240/7421/239.2/6010)
- RCI

| 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 | | 12-27-04 | 3:15 | 4 | VOP Amb | X | | | | | X | X | | | | | | | | |
| MW-2 | | | 4:40 | | | | | | | | X | X | | | | | | | | |
| MW-3 | | | 6:45 | | | | | | | | X | X | | | | | | | | |
| MW-4 | | X | 5:45 | X | X | X | | | | | X | X | | | | | | | | |

| | | | |
|-------------------------------------|-----------------------|-------------------|-------------------------------------|
| Relinquished By: <u>[Signature]</u> | Date: <u>12-28-04</u> | Time: <u>8:00</u> | Received By: <u>secure location</u> |
| Relinquished By: | Date: | Time: | Received By: |
| Relinquished By: | Date: | Time: | Received By: |

Remarks:



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: #130-0105; Worthington | Date Sampled: 12/27/04 |
| | | Date Received: 12/29/04 |
| | Client Contact: Matt Meyers | Date Reported: 01/05/05 |
| | Client P.O.: | Date Completed: 01/05/05 |

WorkOrder: 0412544

January 05, 2005

Dear Matt:

Enclosed are:

- 1). the results of 4 analyzed samples from your #130-0105; **Worthington 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.

Yours truly,

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0412544

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 14506 | | Spiked Sample ID: 0412545-001A | | | | |
|----------------------------|--------|---------------------|--------|----------------|---------|--------------------------------|--------|----------|-------------------------|------------|
| 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 | 97 | 98.7 | 1.76 | 91.6 | 89.2 | 2.72 | 70 - 130 | 70 - 130 |
| MTBE | ND | 10 | 97.1 | 96.4 | 0.686 | 98.7 | 97.9 | 0.769 | 70 - 130 | 70 - 130 |
| Benzene | ND | 10 | 101 | 103 | 1.90 | 109 | 107 | 2.27 | 70 - 130 | 70 - 130 |
| Toluene | ND | 10 | 100 | 103 | 2.48 | 100 | 98.9 | 1.57 | 70 - 130 | 70 - 130 |
| Ethylbenzene | ND | 10 | 105 | 106 | 1.56 | 108 | 105 | 2.94 | 70 - 130 | 70 - 130 |
| Xylenes | ND | 30 | 91.3 | 95 | 3.94 | 100 | 100 | 0 | 70 - 130 | 70 - 130 |
| %SS: | 107 | 10 | 109 | 110 | 1.02 | 111 | 113 | 1.79 | 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

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).

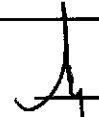
* MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0412544

| EPA Method: SW8015C | | Extraction: SW3510C | | | BatchID: 14508 | | Spiked Sample ID: N/A | | | |
|---------------------|--------|---------------------|--------|--------|----------------|--------|-----------------------|----------|-------------------------|------------|
| 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(d) | N/A | 7500 | N/A | N/A | N/A | 99.8 | 101 | 1.28 | N/A | 70 - 130 |
| %SS: | N/A | 2500 | N/A | N/A | N/A | 105 | 106 | 1.01 | N/A | 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

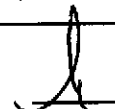
MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

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

* 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.

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.

 QA/QC Officer

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0412544

ClientID: CETE

Report to:

Matt Meyers
 Cambria Env. Technology
 5900 Hollis St, Suite A
 Emeryville, CA 94608

TEL: (510) 420-0700
 FAX: (510) 420-9170
 ProjectNo: #130-0105; Worthington
 PO:

Bill to:

Accounts Payable
 Cambria Env. Technology
 5900 Hollis St, Ste. A
 Emeryville, CA 94608

Requested TAT:

5 days

Date Received: 12/29/2004

Date Printed: 12/29/2004

| Sample ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | | | | | |
|-------------|--------------|--------|------------------|--------------------------|------------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|--|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 0412544-001 | MW-1 | Water | 12/27/04 3:15:00 | <input type="checkbox"/> | A | A | B | | | | | | | | | | | | | |
| 0412544-002 | MW-2 | Water | 12/27/04 4:40:00 | <input type="checkbox"/> | A | | B | | | | | | | | | | | | | |
| 0412544-003 | MW-3 | Water | 12/27/04 6:45:00 | <input type="checkbox"/> | A | | B | | | | | | | | | | | | | |
| 0412544-004 | MW-4 | Water | 12/27/04 5:45:00 | <input type="checkbox"/> | A | | B | | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|-----------|----|-------------|----|-------------|----|--|----|--|
| 1 | G-MBTEX_W | 2 | PREF REPORT | 3 | TPH(D)WSG_W | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |
| 11 | | 12 | | 13 | | 14 | | 15 | |

Prepared by: Melissa Valles

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.

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Confirmation Number: 8665751218
Date/Time of Submittal: 1/13/2005 10:12:10 AM
Facility Global ID: T0600100538
Facility Name: EXXON
Submittal Title: 4th Qtr 2004, GW Analytical Data
Submittal Type: GW Monitoring Report

Click [here](#) to view the detections report for this upload.

| | |
|---|--|
| EXXON 3055 35TH AVE OAKLAND, CA 94619 | Regional Board - Case #: 01-0585 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 515 ALAMEDA COUNTY LOP - (AG) |
|---|--|

| | | |
|---------------------|----------------------------------|----------------|
| CONF # | TITLE | QUARTER |
| 8665751218 | 4th Qtr 2004, GW Analytical Data | Q4 2004 |
| SUBMITTED BY | SUBMIT DATE | STATUS |
| Matt Meyers | 1/13/2005 | PENDING REVIEW |

SAMPLE DETECTIONS REPORT

| | |
|---|-------|
| # FIELD POINTS SAMPLED | 4 |
| # FIELD POINTS WITH DETECTIONS | 4 |
| # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL | 4 |
| SAMPLE MATRIX TYPES | WATER |

METHOD QA/QC REPORT

| | |
|---------------------------------------|-----------------|
| METHODS USED | SW8015B,SW8021F |
| TESTED FOR REQUIRED ANALYTES? | N |
| MISSING PARAMETERS NOT TESTED: | |
| - SW8015B REQUIRES ETBE TO BE TESTED | |
| - SW8015B REQUIRES TAME TO BE TESTED | |
| - SW8015B REQUIRES DIPE TO BE TESTED | |
| - SW8015B REQUIRES TBA TO BE TESTED | |
| - SW8015B REQUIRES DCA12 TO BE TESTED | |
| - SW8015B REQUIRES EDB TO BE TESTED | |
| - SW8021F REQUIRES ETBE TO BE TESTED | |
| - SW8021F REQUIRES TAME TO BE TESTED | |
| - SW8021F REQUIRES DIPE TO BE TESTED | |
| - SW8021F REQUIRES TBA TO BE TESTED | |
| - SW8021F REQUIRES DCA12 TO BE TESTED | |
| - SW8021F REQUIRES EDB TO BE TESTED | |
| LAB NOTE DATA QUALIFIERS | N |

QA/QC FOR 8021/8260 SERIES SAMPLES

| | |
|---|---|
| TECHNICAL HOLDING TIME VIOLATIONS | 0 |
| METHOD HOLDING TIME VIOLATIONS | 0 |
| LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT | 0 |
| LAB BLANK DETECTIONS | 0 |
| DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? | |
| - LAB METHOD BLANK | Y |

| | |
|---|---|
| - MATRIX SPIKE | N |
| - MATRIX SPIKE DUPLICATE | N |
| - BLANK SPIKE | Y |
| - SURROGATE SPIKE - NON-STANDARD SURROGATE USED | Y |

WATER SAMPLES FOR 8021/8260 SERIES

| | |
|---|---|
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | Y |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% | Y |
| SURROGATE SPIKES % RECOVERY BETWEEN 85-115% | N |
| BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% | Y |

SOIL SAMPLES FOR 8021/8260 SERIES

| | |
|---|-----|
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% | n/a |
| MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% | n/a |
| SURROGATE SPIKES % RECOVERY BETWEEN 70-125% | n/a |
| BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% | n/a |

FIELD QC SAMPLES

| <u>SAMPLE</u> | <u>COLLECTED</u> | <u>DETECTIONS > REPD</u> |
|---------------|------------------|-----------------------------|
| QCTB SAMPLES | N | 0 |
| QCEB SAMPLES | N | 0 |
| QCAB SAMPLES | N | 0 |

Logged in as CAMBRIA-EM (AUTH_RP)

CONTACT SITE ADMINISTRATOR

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UPLOADING A GEO_WELL FILE

**Processing is complete. No errors were found!
Your file has been successfully submitted!**

Submittal Title: 4th Qtr 2004 GW Depth Data for 3055 35th Ave.,
Oakland

Submittal Date/Time: 1/13/2005 10:18:21 AM

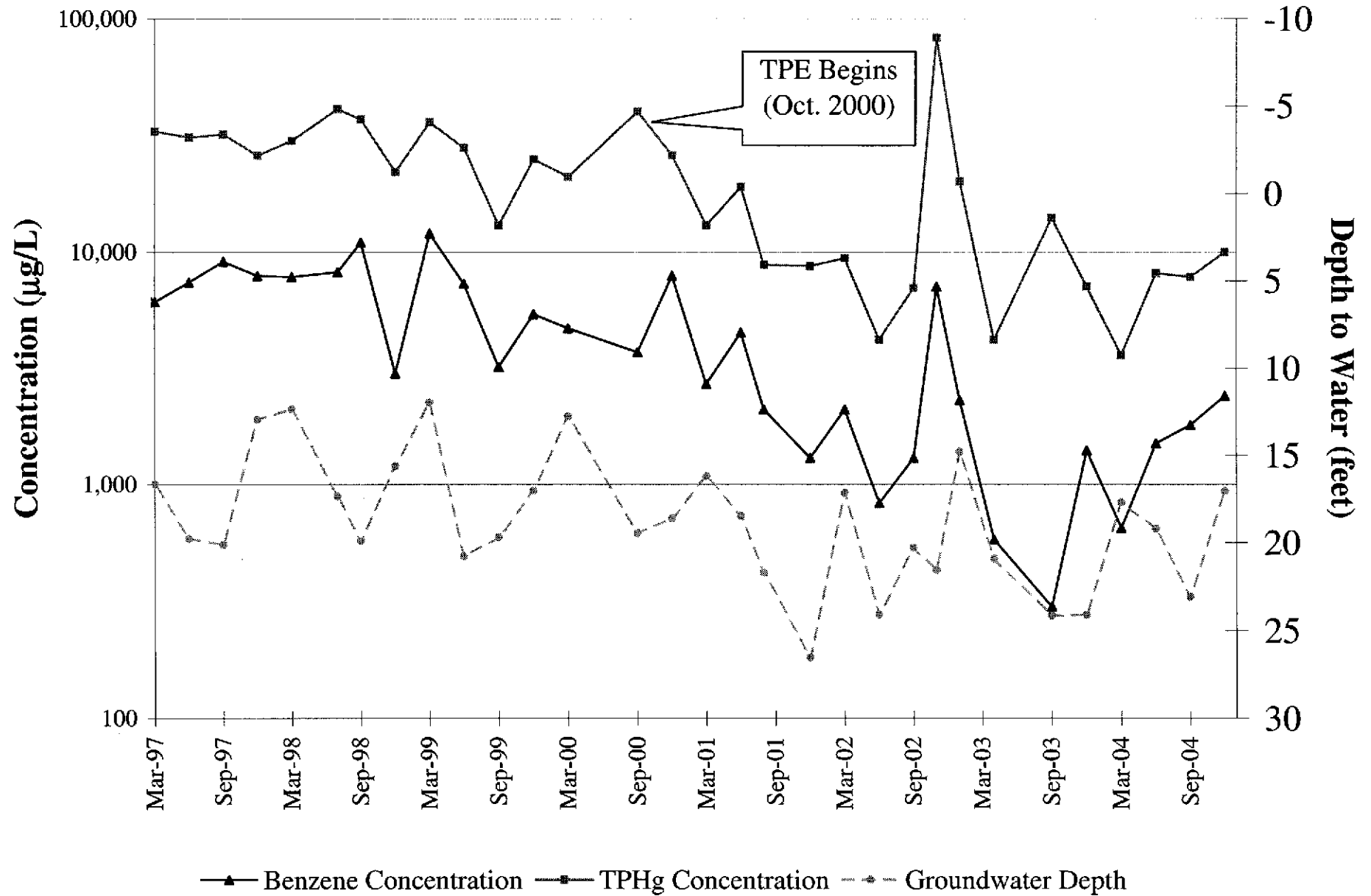
Confirmation
Number: 8831889449

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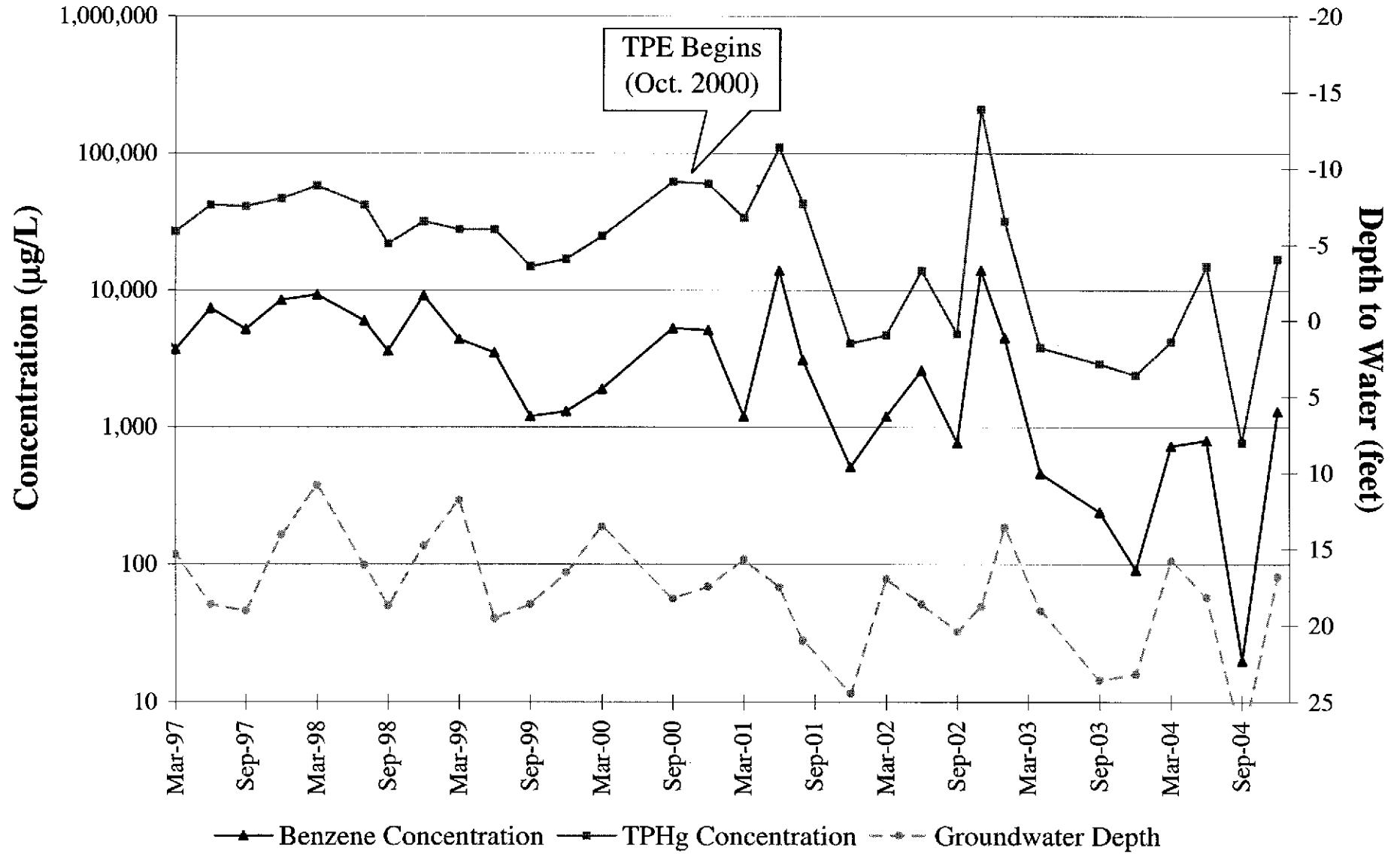
Logged in as CAMBRIA-EM (AUTH_RP)

[CONTACT SITE ADMINISTRATOR](#)

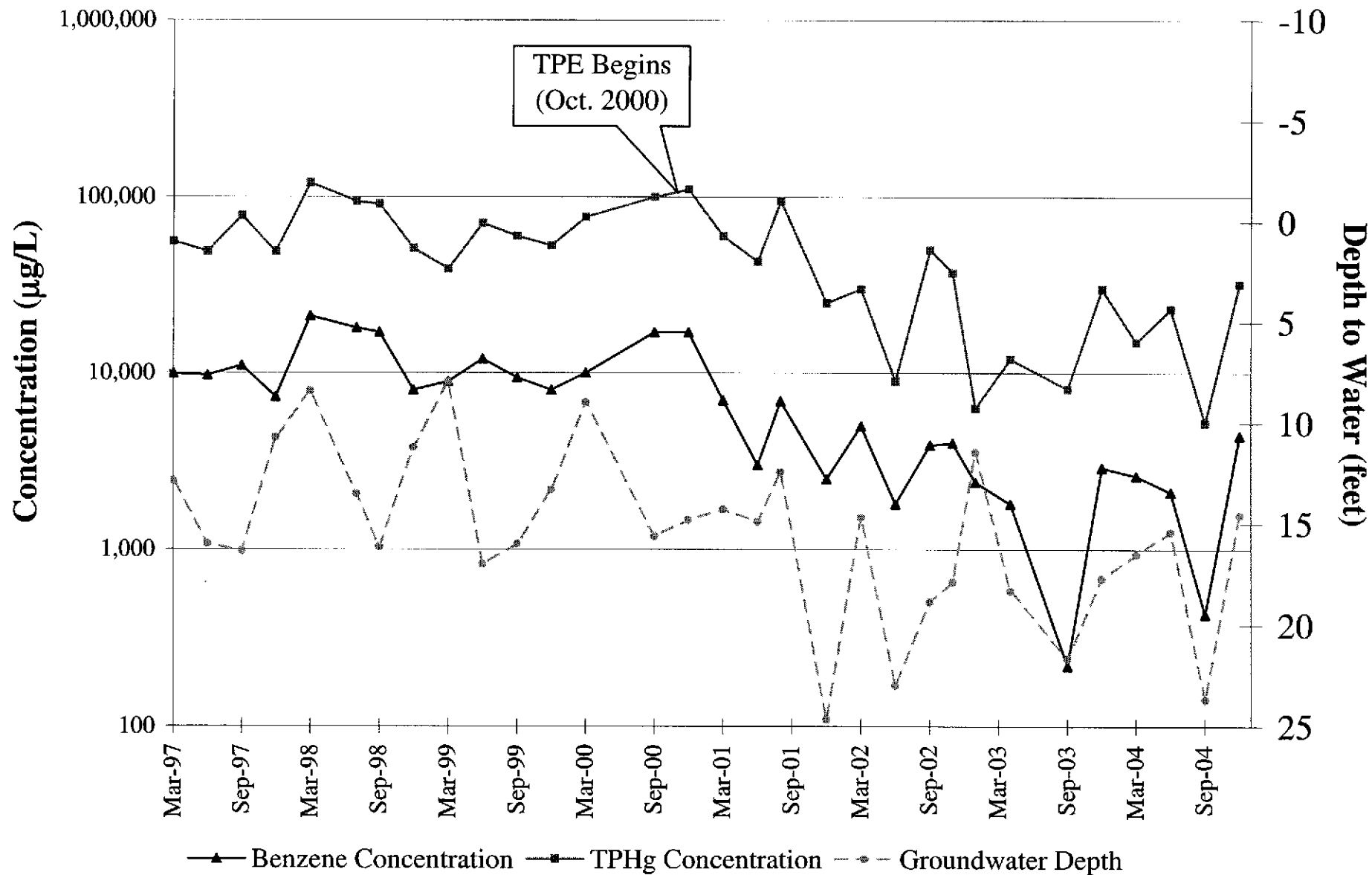
TPHg and Benzene Concentration Trends Well MW-1 (March 1997 to Present)



TPHg and Benzene Concentration Trends Well MW-2 (March 1997 to Present)



TPHg and Benzene Concentration Trends Well MW-3 (March 1997 to Present)



TPHg and Benzene Concentration Trends Well MW-4 (March 1997 to Present)

