

C A M B R I A

July 30, 2004

Mr. Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

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

ALAMEDA COUNTY
AUG 1 11 2004
ENVIRONMENTAL SERVICES



Dear Mr. Chan:

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

If you have any questions or comments regarding this report, please call me at (510) 420-3305.

Sincerely,
Cambria Environmental Technology, Inc.

Ron Scheele, R.G.
Senior Geologist

Attachments: Groundwater Monitoring and System Progress Report - Second 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
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

C A M B R I A

GROUNDWATER MONITORING AND SYSTEM PROGRESS REPORT

SECOND QUARTER 2004

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

July 30, 2004

Alameda County
AUG 11 2004
Environmental Health



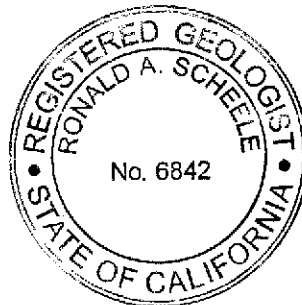
Prepared for:

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

Prepared by:

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

Rowan Fennell
Staff Scientist



Ron Scheele, R.G.
Senior Geologist

Cambria
Environmental
Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

GROUNDWATER MONITORING AND SYSTEM PROGRESS REPORT

SECOND QUARTER 2004

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

July 30, 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 second quarter 2004 groundwater monitoring and corrective action activities and the anticipated third quarter 2004 activities.

SECOND QUARTER 2004 ACTIVITIES

Monitoring Activities

Field Activities: On June 16, 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 E 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 E for the GeoTracker electronic delivery confirmation.

Monitoring Results

Groundwater Flow Direction: Based on depth to water measurements collected during Cambria's June 16, 2004 site visit, groundwater beneath the site flows towards the southwest with a gradient of 0.007ft/ft, similar to previous quarters. The TPE system had been off over five days prior to the monitoring event in order to measure static groundwater table conditions. All remediation and monitoring wells were re-surveyed on June, 2, 2004 by Virgil Chavez Land Surveying to comply with the state geotracker requirements. 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 8,100 micrograms per liter ($\mu\text{g/L}$) to 23,000 $\mu\text{g/L}$, with the highest concentration detected in well MW-3. Benzene concentrations ranged from 800 $\mu\text{g/L}$ to 2,100 $\mu\text{g/L}$, with the highest concentration detected in well MW-3. TPHd concentration ranged from 2,300 $\mu\text{g/L}$ to 9,800 $\mu\text{g/L}$, with the highest concentration detected in well MW-2. MTBE was detected above laboratory detection limits only in well MW-2, at a concentration of 2,000 $\mu\text{g/L}$. TPHg, benzene, and TPHd remained similar to previous quarters. Since the start of TPE remediation in June 2000, monitoring wells have exhibited decreasing hydrocarbon concentration 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 Design and Modifications: The TPE remediation system consists of a trailer mounted all-electric catalytic oxidizer, a 20-horsepower liquid-ring vacuum pump, a 150-gallon moisture knockout with automatic float controls, a 1-horsepower centrifugal transfer pump, a particulate filter, and two 1000-pound carbon vessels connected in series. Ten wells are connected to the remediation system (RW-5 through RW-14) via an underground, 4-inch diameter, PVC trunk line with 1-inch and 2-inch diameter branch lines. See Figure 1 for the location of the remediation enclosure and wells. Wells RW-5 through RW-14, and MW-1 through MW-4 have 1-inch diameter, flexible, suction hose stingers which are sealed at the wellhead to allow simultaneous extraction of soil vapor and groundwater from the well.

Remediation System Operation and Maintenance Activities: During the second quarter, Cambria performed TPE system operation and maintenance (O&M) activities approximately three times per month. During O&M activities, flow, vacuum, and hydrocarbon concentration measurements were collected from the TPE system (see Tables 2, 3, and 4). During O&M site visits, system parameters were recorded in specialized field forms for future system optimization and agency inspection. System

influent and effluent vapor samples were collected and submitted for laboratory analysis on a monthly basis. As per the Bay Area Air Quality Management District (BAAQMD) permit, a catalytic oxidizer operating temperature greater than 600 degrees Fahrenheit was maintained and system operation parameters were continuously measured using a chart recorder.

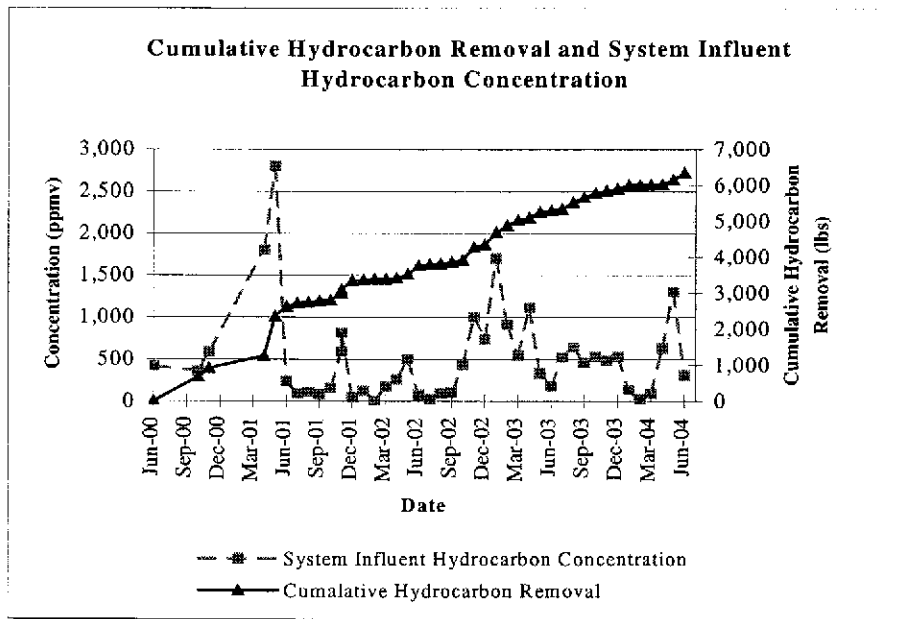
System influent and effluent vapor samples were collected and submitted for laboratory analysis on April 12, May 6, and June 10, 2004. Due to a laboratory sample handling problem, influent and effluent vapor samples were re-collected on May 17, 2004. Vapor sample results were below laboratory detection limits indicating that the catalytic oxidizer was achieving proper destruction efficiency and operating within air permit requirements. Table 2 summarizes TPE system operations and soil vapor analytical results.

Groundwater treatment system influent and effluent samples were collected on April 12, May 6, and June 10, 2004. System effluent groundwater concentrations for TPHg and BTEX were below laboratory detection limits indicating that no hydrocarbons were discharged to the sanitary sewer system and that the groundwater treatment system was effective at meeting the wastewater discharge permit requirements. Table 3 summarizes groundwater extraction system parameters and analytical results. The system analytical laboratory reports are included in Attachment C.

Remediation System Performance: From April 12 through July 1, 2004, the TPE system operated for a total of 1,637 hours. The TPE system automatically shutdown two times during the quarter due to a low liquid ring seal oil condition and a knockout tank float malfunction causing a high water alarm. The TPE system was manually shutdown on June 11, 2004 for five days in preparation for the quarterly monitoring event. System influent vapor concentrations ranged during the quarter from 310 parts per million by volume (ppmv) to 1,300 ppmv. Influent hydrocarbon vapor concentrations fluctuated during the quarter due to a lower groundwater table and optimization events. Due to the lower groundwater table, soil vapor extraction flow rates increased and system vacuum levels decreased. Several wells were closed and stinger depths were adjusted to compensate for seasonal fluctuations in the groundwater table and subsurface permeability. Groundwater elevation data from the June 16, 2004 quarterly monitoring event was used to determine optimum stinger depths. Individual TPE well parameters are summarized in Table 4.

Hydrocarbon removal rates for soil vapor extraction ranged from 2.6 to 10.4 pounds per day during the quarter. Hydrocarbon removal rates increased compared to the previous quarter due to a seasonally low groundwater table yielding higher system flow rates and influent hydrocarbon concentrations. As of March 31, 2004, approximately 6,387 pounds of petroleum hydrocarbons have been removed and destroyed by soil vapor extraction (see graph below and Table 2).

From April 12 to July 1, 2004, approximately 122,134 gallons of groundwater were extracted and treated onsite using granular activated carbon. The groundwater extraction rate ranged from 0.8 to



1.9 gallons per minute throughout the quarter. Groundwater extraction rates were lower than the previous quarter due to a lower groundwater table. Influent groundwater TPHg concentrations ranged from 53 to 110 µg/L during the quarter. Influent groundwater concentrations fluctuated during the quarter and were less than previous quarters. As of July 1, 2004, approximately 1,406,384 gallons of hydrocarbon impacted groundwater have been extracted and treated by aqueous-phase carbon. Approximately 11.1 pounds of hydrocarbons have been removed by the groundwater treatment system.

ANTICIPATED THIRD QUARTER 2004 ACTIVITIES

Monitoring Activities

During the third quarter, Cambria will gauge the site wells, check the wells for SPH, and collect groundwater samples from all monitoring wells not containing SPH. 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 – Third Quarter 2004*.

Corrective Action Activities

Cambria is currently evaluating potential modifications to the existing system and various other remedial alternatives in an effort to speed up site remediation. In the meantime, TPE operation and maintenance activities will continue to be performed approximately three times per month during the third quarter of 2004. The depth of extraction stingers will be adjusted in an effort to maximize hydrocarbon removal and TPE operations may vary between select wells to optimize site cleanup. System influent and effluent vapor and groundwater samples will be collected on a monthly basis, and system operation and performance will be evaluated and optimized.



ATTACHMENTS

Figure 1 – Groundwater Elevation and Analytical Summary Map – June 16, 2004

Table 1 – Groundwater Elevations and Analytical Data

Table 2 – TPE System Performance and Analytical Results - Soil Vapor Extraction

Table 3 – TPE System Performance and Analytical Results - Groundwater Extraction

Table 4 – TPE Well Parameters

Appendix A – Groundwater Monitoring Field Data Sheets

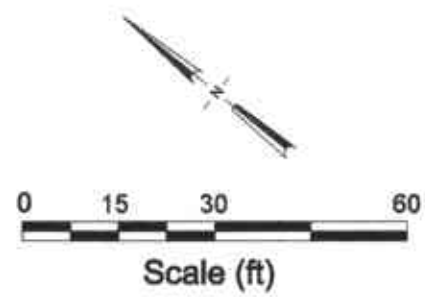
Appendix B – Analytical Results for Groundwater Sampling

Appendix C – Analytical Results for TPE System Operation

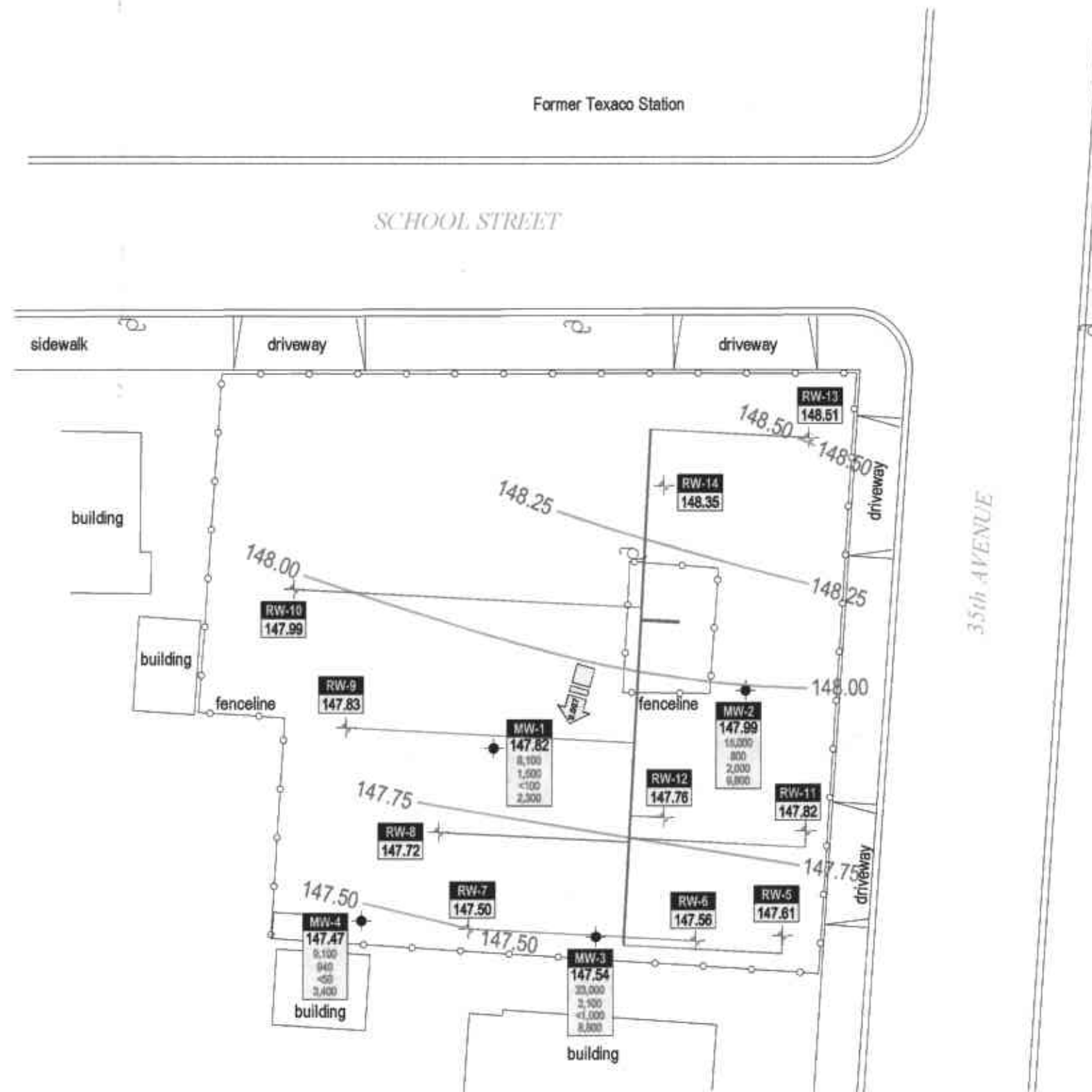
Appendix D – TPHg and Benzene Concentration Trend Graphs

Appendix E – GeoTracker Electronic Delivery Confirmations

H:\MORTIMER\GTD\FIGURES\30042004-GW.DWG



Source: Virgil Chavez Land Surveying



EXPLANATION

- MW-1 Monitoring well location
- RW-6 Remediation well location
- Joint utility pole
- Extraction piping
- Groundwater flow direction and gradient
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl), dashed where inferred

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

Well designation
Groundwater elevation (msl)
Hydrocarbon concentrations in groundwater, in micrograms per liter (µg/L)

NOTE: Groundwater elevation contours represent static conditions. The TPE remediation system was not operating at the time of the groundwater monitoring event.

FIGURE
1

CAMBRIA

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 |
|---------|----------|------------|-------|------------|---|-----------------------|---------|---------|---------|--------------|---------|--------|--------|---------------|
| YOC | | 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 ^f | --- | 7,800 | 820 | 840 | 2,000 | <1,100 | 1.3 | |
| | 7/14/98 | 17.34 | --- | 83.51 | 41,000 ^d | 8,900 ^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 ^e | 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 ^{ef} | --- | 3,200 | 130 | 320 | 1,100 | <210 | 0.55 | |
| | 12/10/99 | 17.02 | --- | 83.83 | 25,000 ^d | 2,900 ^{ef} | --- | 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 ^{de} | 12,000 ^{de} | --- | 3,700 | 1,400 | 910 | 4,900 | <50 | 0.17 | |
| | 12/5/00 | 18.60 | --- | 82.25 | 26,000 ^a | 3,400 ^e | --- | 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 ^g | 1,400 ^d | --- | 2,100 | 45 | 91 | 240 | <130 | 0.27 | Operating |
| | 12/7/01 | 26.55 | --- | 74.30 | 8,700 ^d | 1,900 ^{ef} | --- | 1,300 | 160 | 38 | 730 | <20 | 0.59 | Operating |
| | 3/11/02 | 17.13 | --- | 83.72 | 9,400 ^d | 1,400 ^g | --- | 2,100 | 200 | 74 | 470 | <20 | 0.39 | Operating |
| | 6/10/02 | 24.10 | --- | 76.75 | 4,200 ^d | 900 ^{hk} | --- | 830 | 170 | 110 | 460 | <100 | --- | Operating |
| | 9/26/02 | 20.30 | --- | 80.55 | 7,000 ^d | 1,300 ^{ijk} | --- | 1,300 | 190 | 200 | 760 | <100 | 0.70 | Operating |
| | 11/21/02 | 21.55 | --- | 79.30 | 83,000 ^{de} | 200,000 ^{de} | --- | 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 ^{ef} | --- | 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 ^{ef} | --- | 300 | 50 | 33 | 480 | <50 | --- | Operating |
| | 12/2/03 | 24.12 | --- | 76.73 | 7,100 ^{de} | 9,300 ^{ef} | --- | 1,400 | 230 | 160 | 820 | <100 | --- | Operating |
| | 3/18/04 | 17.70 | --- | 83.15 | 3,600 ^d | 1,100 ^{ef} | --- | 650 | 59 | 38 | 370 | <90 | --- | Operating |
| 167.02 | 6/16/04 | 19.20 | --- | 147.82 | 8,100 ^d | 2,300 ^{ef} | --- | 1,500 | 69 | 22 | 1,000 | <100 | --- | Not operating |

CAMBRIA

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

| Well ID TOC | Date | GW | SPH | GW | TPH _g | TPH _d | TPH _{mo} | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO | TPE System |
|----------------|----------|------------|-------|------------|---|-------------------------|-------------------|---------|---------|--------------|---------|--------|------|---------------|
| | | Depth (ft) | (ft) | Elev. (ft) | Concentrations in micrograms per liter (µg/L) | | | | | | | | | |
| 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 ^e | --- | 5,200 | 3,400 | 1,300 | 5,900 | <700 | 1.2 | |
| | 12/22/97 | 14.09 | --- | 85.91 | 47,000 ^d | 6,100 ^e | --- | 8,500 | 4,600 | 1,800 | 8,400 | <1,200 | 1.2 | |
| | 3/18/98 | 10.83 | Sheen | 89.17 | 58,000 ^e | 7,000 ^{ef} | --- | 9,300 | 6,100 | 1,800 | 8,200 | <1,100 | 1.1 | |
| | 7/14/98 | 16.07 | --- | 83.93 | 42,000 ^e | 5,300 ^{ef} | --- | 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 ^g | 7,500 ^{ef} | --- | 4,400 | 1,600 | 950 | 4,100 | 410 | 1.86 | |
| | 6/29/99 | 19.54 | --- | 80.46 | 28,000 ^g | 3,300 ^g | --- | 3,500 | 1,100 | 690 | 3,100 | <1,000 | 0.41 | |
| | 9/28/99 | 18.61 | --- | 81.39 | 15,000 ^g | 3,400 ^{ef} | --- | 1,200 | 540 | 230 | 2,300 | <36 | 1.18 | |
| | 12/10/99 | 16.53 | --- | 83.47 | 17,000 ^g | 2,500 ^{ef} | --- | 1,300 | 780 | 420 | 2,700 | <40 | 0.17 | |
| | 3/23/00 | 13.56 | --- | 86.44 | 25,000 ^g | 3,100 ^g | --- | 1,900 | 1,100 | 660 | 3,700 | <500 | --- | |
| | 9/7/00 | 18.25 | --- | 81.75 | 62,000 ^{de} | 32,000 ^{de} | --- | 5,300 | 2,300 | 1,500 | 8,400 | <100 | 0.39 | |
| | 12/5/00 | 17.45 | --- | 82.55 | 60,000 ^{de} | 87,000 ^{de} | --- | 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 ^{ah} | 15,000 ^{ab} | --- | 3,100 | 720 | 980 | 5,500 | <200 | --- | Operating |
| | 12/7/01 | 24.45 | --- | 75.55 | 4,100 ^d | 750 ^{ef} | --- | 510 | 88 | 8.2 | 580 | <20 | 0.47 | Operating |
| | 3/11/02 | 16.95 | --- | 83.05 | 4,700 ^d | 590 ^e | --- | 1,200 | 150 | 30 | 310 | <50 | 0.24 | Operating |
| | 6/10/02 | 18.59 | --- | 81.41 | 14,000 ^d | 2,000 ^e | --- | 2,600 | 710 | 150 | 2,000 | <800 | --- | Operating |
| | 9/26/02 | 20.39 | --- | 79.61 | 4,800 ^d | 660 ^e | --- | 770 | 200 | 140 | 740 | <50 | 0.29 | Operating |
| | 11/21/02 | 18.75 | --- | 81.25 | 210,000 ^{de} | 350,000 ^{de} | --- | 14,000 | 23,000 | 4,400 | 28,000 | <1,700 | 0.43 | Operating |
| | 1/13/03 | 13.60 | --- | 86.40 | 32,000 ^{de} | 14,000 ^{ef,ab} | --- | 4,500 | 1,600 | 920 | 3,600 | <1000 | 0.39 | Not operating |
| | 4/25/03 | 19.05 | --- | 80.95 | 3,800 ^d | 310 ^e | --- | 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 ^e | --- | 240 | 57 | 68 | 380 | 770 | --- | Operating |
| | 12/2/03 | 23.17 | --- | 76.83 | 2,400 ^{de} | 3,300 ^{ef,de} | --- | 91 | 20 | 14 | 250 | 890 | --- | Operating |
| | 3/18/04 | 15.78 | --- | 84.22 | 4,200 ^d | 870 ^{ef} | --- | 730 | 89 | <5.0 | 480 | 2,300 | --- | Operating |
| 166.14 | 6/16/04 | 18.15 | --- | 147.99 | 15,000 ^d | 9,800 ^{ef} | --- | 800 | 210 | 290 | 1,800 | 2,000 | --- | Not operating |

CAMBRIA

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

| Well ID TOC | Date | GW Depth (ft) | SPH (ft) | GW Elev. (ft) | TPH _g | TPH _d | TPH _m | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO (mg/L) | TPE System Status |
|----------------|----------|------------------|-------------|-----------------------|------------------------|-------------------------|------------------|---------|---------|--------------|---------|--------|---------------|----------------------|
| | | | | | | | | | | | | | | |
| MW-3 | 5/25/94 | 13.93 | Sheen | 82.94 | 56,000 | 14,000 | <50,000 | 14,000 | 14,000 | 1,300 | 11,000 | --- | --- | |
| 96.87 | 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 | 82,800 | 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 ^e | --- | 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 ^e | --- | 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 ^{e,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 ^{e,f,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 | <1300 | 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 ^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 ^{e,h} | --- | 10,000 | 9,400 | 1,600 | 11,000 | <430 | --- | |
| | 9/7/00 | 15.61 | --- | 81.26 | 100,000 ^{d,g} | 19,000 ^{e,f,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,h} | --- | 6,900 | 10,000 | 2,700 | 15,000 | <250 | 0.24 | Operating | |
| 12/7/01 | 24.65 | --- | 72.22 | 25,000 ^d | 3,900 ^f | --- | 2,500 | 1,700 | 64 | 2,200 | <200 | 0.19 | Operating | |
| 3/11/02 | 14.69 | --- | 82.18 | 30,000 ^d | 2,800 ^{f,g,k} | --- | 5,000 | 2,400 | 190 | 1,800 | <1,300 | 0.30 | Operating | |
| 6/10/02 | 22.94 | --- | 73.93 | 9,000 ^d | 990 ^{h,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 ^{e,f} | --- | 2,600 | 990 | 260 | 1,700 | <300 | --- | Operating | |
| 162.94 | 6/16/04 | 15.40 | --- | 147.54 | 23,000 ^d | 8,800 ^{d,f} | --- | 2,100 | 1,300 | 360 | 2,800 | <1,000 | --- | Not operating |

CAMBRIA

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-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 ^{e,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 ^{e,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,f,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 ^{e,f} | --- | 7,500 | 1,200 | 190 | 2,200 | 210 | 14.29 ^g | |
| | 12/10/99 | 13.99 | --- | 83.35 | 47,000 ^d | 3,100 ^{e,f} | --- | 12,000 | 1,800 | 1,000 | 4,400 | <100 | 0.62 | |
| | 3/23/00 | 10.22 | --- | 87.12 | 40,000 ^d | 3,100 ^{e,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,h} | 2,600 ^{e,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 ^h | 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 ^{e,f,g} | --- | 4,500 | 740 | 310 | 2,300 | <200 | 0.21 | Operating |
| | 3/11/02 | 14.95 | --- | 82.39 | 15,000 ^d | 1,600 ^{e,f,k} | --- | 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 ^{e,k} | --- | 1,400 | 290 | 63 | 640 | 550 | --- | Operating | |
| 1/13/03 | 11.75 | --- | 85.59 | 35,000 ^{d,g} | 15,000 ^{e,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 ^{e,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 ^{e,f} | --- | 2,200 | 380 | 280 | 2,300 | 65 | --- | Operating | |
| 12/2/03 | 19.17 | --- | 78.17 | 13,000 ^d | 5,800 ^{e,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 ^{e,f} | --- | 940 | 96 | 120 | 800 | <50 | --- | 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 | --- | |

CAMBRIA

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

| Well ID TOC | Date | GW Depth (ft) | SPH (ft) | GW Elev. (ft) | TPHg | TPHd | TPHmo | Benzene | Toluene | Ethylbenzene | Xylenes | MTBE | DO (mg/L) | TPE System Status |
|--|---------|------------------|-------------|------------------|------|------|-------|---------|---------|--------------|---------|------|--------------|----------------------|
| ----- Concentrations in micrograms per liter (µg/L) -----> | | | | | | | | | | | | | | |
| RW-5 162.34 | 6/16/04 | 14.73 | --- | 147.61 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-6 162.36 | 6/16/04 | 14.80 | --- | 147.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-7 162.72 | 6/16/04 | 15.22 | --- | 147.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-8 164.13 | 6/16/04 | 16.41 | --- | 147.72 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-9 163.86 | 6/16/04 | 16.03 | --- | 147.83 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-10 163.02 | 6/16/04 | 15.03 | --- | 147.99 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-11 162.57 | 6/16/04 | 14.75 | --- | 147.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-12 163.06 | 6/16/04 | 15.30 | --- | 147.76 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-13 164.34 | 6/16/04 | 15.83 | --- | 148.51 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |
| RW-14 163.76 | 6/16/04 | 15.41 | --- | 148.35 | --- | --- | --- | --- | --- | --- | --- | --- | --- | Not operating |

Abbreviations:

TOC = Top of casing elevation measured in feet relative to an arbitrary datum
 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)
 GW = Groundwater
 ft = measured in feet
 SPH = Separate-phase hydrocarbons
 TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
 TPHd = Total petroleum hydrocarbons as diesel by modified EPA Method 8015
 TPHmo = Total petroleum hydrocarbons as motor oil by modified EPA Method 8020
 Benzene, Toluene, Ethylbenzene, and Xylenes by EPA Method 8020
 MTBE = Methyl Tertiary Butyl Ether by EPA Method 8020
 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
 # = abnormally high reading due to added hydrogen peroxide

Notes:

a = Result has an atypical pattern for diesel analysis
 b = Result appears to be a lighter hydrocarbon than diesel
 c = There is a >40% difference between primary and confirmation analysis
 d = Unmodified or weakly modified gasoline is significant
 e = Gasoline range compounds are significant
 f = Diesel range compounds are significant; no recognizable pattern
 g = lighter than water immiscible sheen is present
 h = one to a few isolated peaks present
 i = medium boiling point pattern does not match diesel (stoddard solvent)
 j = aged diesel is significant
 k = oil range compounds are significant

CAMBRIA

Table 2. TPE System Performance and Analytical Results - Soil Vapor Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | System Uptime (per interval) (%) | System Inlet Temp. (degrees F) | System Flow Rate (acfm) | System Vacuum ("Hg) | System Flow Rate (scfm) | System Influent HC Conc. ¹ | | System Effluent HC Conc. ¹ | | HC Removal Rate ² (lbs/day) | Emission Rate ² (lbs/day) | | TPHg Destruction Efficiency (%) | Gasoline Cumulative Removal ² (lbs) |
|------------|---------------------------|----------------------------------|--------------------------------|-------------------------|---------------------|-------------------------|---------------------------------------|------|---------------------------------------|------|--|--------------------------------------|------|---------------------------------|--|
| | | | | | | | TPHg | TPHg | Benz | TPHg | | TPHg | Benz | | |
| 6/24/2000 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| 9/28/2000 | 454 | 20% | 789 | -- | -- | 175.0 | 420 | 22 | 0.24 | 23.6 | 1.24 | 0.012 | 95 | 446 | |
| 10/12/2000 | 696 | 72% | 950 | -- | -- | 87.5 | 360 | <10 | <0.15 | 10.1 | <0.28 | <0.004 | * | 684 | |
| 11/9/2000 | 1,251 | 83% | 820 | -- | -- | 55.4 | 590 | <10 | <0.15 | 10.5 | <0.18 | <0.002 | * | 918 | |
| 1/23/2001 | 1,313 | 3% | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 945 | |
| 3/28/2001 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 945 | |
| 4/5/2001 | 194 | 101% | 908 | 85 | 6.0 | 67.9 | 1,800 | 34 | 0.52 | 39.2 | 0.74 | 0.010 | 98 | 1,261 | |
| 5/3/2001 | 863 | 100% | 1000 | 54 | 14 | 28.7 | 2,800 | <10 | <0.15 | 25.8 | <0.09 | <0.001 | * | 2,355 | |
| 6/4/2001 | 1,114 | 33% | 820 | 101 | 6.5 | 79.0 | 240 | <10 | <0.15 | 6.1 | <0.25 | <0.003 | * | 2,625 | |
| 7/2/2001 | 1,429 | 47% | 804 | 109 | 10.0 | 72.5 | 92 | 26 | 0.34 | 2.1 | <0.61 | <0.007 | 72 | 2,705 | |
| 7/10/2001 | 1,621 | 100% | 900 | 150 | 8.0 | 109.9 | 92 | <10 | <0.15 | 3.2 | <0.35 | <0.005 | * | 2,722 | |
| 8/2/2001 | 1,759 | 25% | 940 | 79 | 5.0 | 65.4 | 110 | <10 | <0.15 | 2.3 | <0.21 | <0.003 | * | 2,740 | |
| 9/7/2001 | 2,301 | 63% | 854 | 141 | 12.0 | 84.4 | 81 | 34 | 0.52 | 2.2 | <0.92 | <0.013 | 58 | 2,793 | |

CAMBRIA

Table 2. TPE System Performance and Analytical Results - Soil Vapor Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | System Uptime (per interval) (%) | System Inlet Temp. (degrees F) | System Flow Rate (acfm) | System Vacuum ("Hg) | System Flow Rate (scfm) | System Influent HC Conc. ¹ | | System Effluent HC Conc. ¹ | | HC Removal Rate ² | Emission Rate ² | | TPHg Destruction Efficiency (%) | Gasoline Cumulative Removal ³ (lbs) |
|------------|---------------------------|----------------------------------|--------------------------------|-------------------------|---------------------|-------------------------|---------------------------------------|------|---------------------------------------|------|------------------------------|----------------------------|------|---------------------------------|--|
| | | | | | | | TPHg | Benz | TPHg | Benz | (lbs/day) | TPHg | Benz | | |
| | | | | | | | | | | | | | | | |
| 10/3/2001 | 2,470 | 27% | 854 | 230 | 9.0 | 160.7 | 160 | <10 | 0.31 | 8.3 | <0.52 | <0.015 | * | 2,808 | |
| 11/6/2001 | 3,015 | 67% | 955 | 97 | 8.5 | 69.1 | 590 | 31 | 0.43 | 13.1 | <0.69 | <0.009 | 95 | 2,995 | |
| 11/14/2001 | 3,184 | 88% | 860 | 69 | 10.0 | 45.9 | 810 | <10 | <0.15 | 11.9 | <0.15 | <0.002 | * | 3,087 | |
| 12/6/2001 | 3,710 | 100% | 806 | 53 | 11.0 | 33.5 | 50 | <10 | <0.15 | 0.5 | <0.11 | <0.001 | * | 3,349 | |
| 1/7/2002 | 4,472 | 99% | 841 | 42 | 10.5 | 27.2 | 120 | <10 | <0.15 | 1.0 | <0.09 | <0.001 | * | 3,366 | |
| 2/4/2002 | 4,938 | 69% | 817 | 78 | 10.5 | 50.6 | <5 | <10 | <0.15 | 0.1 | <0.16 | <0.002 | * | 3,386 | |
| 3/5/2002 | 5,396 | 66% | 665 | 26 | 10.5 | 16.9 | 170 | <10 | <0.15 | 0.9 | <0.05 | <0.001 | * | 3,388 | |
| 4/2/2002 | 6,068 | 100% | 670 | 67 | 12.5 | 39.0 | 260 | <10 | <0.15 | 3.3 | <0.13 | <0.002 | * | 3,413 | |
| 5/6/2002 | 6,886 | 100% | 667 | 76 | 10.0 | 50.2 | 500 | <10 | <0.15 | 8.1 | <0.16 | <0.002 | * | 3,524 | |
| 6/5/2002 | 7,608 | 100% | 751 | 72 | 8.5 | 51.2 | 73 | <10 | <0.15 | 1.2 | <0.16 | <0.002 | * | 3,767 | |
| 7/2/2002 | 8,253 | 100% | 736 | 80 | 9.0 | 55.9 | 26 | <15 | <0.15 | 0.5 | <0.27 | <0.002 | * | 3,799 | |
| 8/6/2002 | 7 | 100% | 739 | 140 | 13.0 | 79.1 | 97 | <10 | <0.15 | 2.5 | <0.25 | <0.003 | * | 3,815 | |
| 9/10/2002 | 528 | 76% | 723 | 150 | 11.5 | 92.3 | 103 | <10 | <0.15 | 3.0 | <0.30 | <0.004 | * | 3,869 | |

CAMBRIA

Table 2. TPE System Performance and Analytical Results - Soil Vapor Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | System Uptime (per interval) (%) | System Inlet Temp. (degrees F) | System Flow Rate (acfm) | System Vacuum ("Hg) | System Flow Rate (scfm) | System Influent HC Conc. ¹ | | System Effluent HC Conc. ¹ | | HC Removal Rate ² (lbs/day) | Emission Rate ² (lbs/day) | | TPHg Destruction Efficiency (%) | Gasoline Cumulative Removal ³ (lbs) |
|-----------|---------------------------|----------------------------------|--------------------------------|-------------------------|---------------------|-------------------------|---------------------------------------|-------|---------------------------------------|------|--|--------------------------------------|------|---------------------------------|--|
| | | | | | | | TPHg | TPHg | Benz | TPHg | | TPHg | Benz | | |
| 10/2/2002 | 938 | 100% | 723 | 125 | 8.5 | 89.5 | 430 | <10 | <0.15 | 12.3 | <0.29 | <0.004 | * | 3,921 | |
| 11/6/2002 | 1,614 | 100% | 658 | 105 | 13.5 | 57.6 | 1,000 | <10 | <0.15 | 18.5 | <0.18 | <0.003 | * | 4,269 | |
| 12/5/2002 | 1,720 | 65% | 675 | 115 | 14.0 | 61.1 | 740 | <10 | <0.15 | 14.5 | <0.20 | <0.003 | * | 4,350 | |
| 1/8/2003 | 2,279 | 69% | 675 | 30 | 16.0 | 13.9 | 1700 | <10 | <0.15 | 7.6 | <0.04 | <0.001 | * | 4,688 | |
| 2/4/2003 | 2,896 | 95% | 671 | 48 | 18.0 | 19.1 | 910 | <10 | <0.15 | 5.6 | <0.06 | <0.001 | * | 4,884 | |
| 3/4/2003 | 3,571 | 100% | 657 | 47 | 17.0 | 20.3 | 540 | <10 | <0.15 | 3.5 | <0.07 | <0.001 | * | 5,041 | |
| 4/2/2003 | 3,990 | 60% | 705 | 38 | 18.0 | 15.1 | 1110 | <10 | <0.15 | 5.4 | <0.05 | <0.001 | * | 5,102 | |
| 5/7/2003 | 4,719 | 87% | 700 | 58 | 21.5 | 16.3 | 330 | <10 | <0.15 | 1.7 | <0.05 | <0.001 | * | 5,265 | |
| 6/2/2003 | 5,200 | 77% | 698 | 60 | 18.0 | 23.9 | 178 | <10 | <0.15 | 1.4 | <0.08 | <0.001 | * | 5,300 | |
| 7/3/2003 | 5,882 | 92% | 700 | 77 | 16.0 | 35.8 | 520 | <10 | <0.15 | 6.0 | <0.11 | <0.002 | * | 5,339 | |
| 8/7/2003 | 6,655 | 92% | 667 | 65 | 15.0 | 32.4 | 640 | <10 | <0.15 | 6.6 | <0.10 | <0.001 | * | 5,531 | |
| 9/3/2003 | 7,130 | 73% | 681 | 79 | 14.5 | 40.7 | 460 | <10 | <0.15 | 6.0 | <0.13 | <0.002 | * | 5,662 | |
| 10/7/2003 | 7,613 | 59% | 680 | 37 | 20.0 | 12.2 | 530 | <10** | <0.15** | 2.1 | <0.04 | <0.001 | * | 5,783 | |

CAMBRIA

Table 2. TPE System Performance and Analytical Results - Soil Vapor Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | System Uptime (per interval) (%) | System Inlet Temp. (degrees F) | System Flow Rate (scfm) | System Vacuum ("Hg) | System Flow Rate (scfm) | System Influent HC Conc. ¹ | | System Effluent HC Conc. ¹ | | HC Removal Rate ² (lbs/day) | Emission Rate ² (lbs/day) | | TPHg Destruction Efficiency (%) | Gasoline Cumulative Removal ³ (lbs) |
|------------|---------------------------|----------------------------------|--------------------------------|-------------------------|---------------------|-------------------------|---------------------------------------|------|---------------------------------------|------|--|--------------------------------------|------|---------------------------------|--|
| | | | | | | | TPHg (ppmv) | TPHg | Benz (ppmv) | Benz | | TPHg | TPHg | | |
| 11/17/2003 | 8,442 | 84% | 701 | 51 | 18.5 | 19.4 | 480 | <10 | <0.15 | 3.0 | <0.06 | <0.001 | * | 5,855 | |
| 12/2/2003 | 8,803 | 100% | 815 | 62 | 16.0 | 28.8 | 530 | <10 | <0.15 | 4.9 | <0.09 | <0.001 | * | 5,900 | |
| 1/6/2004 | 9,292 | 58% | 828 | 21 | 19.5 | 7.3 | 134 | <10 | <0.15 | 0.3 | <0.02 | <0.000 | * | 6,000 | |
| 2/19/2004 | 9,780 | 46% | 676 | 53 | 18.0 | 21.1 | 25 | <10 | <0.15 | 0.2 | <0.07 | <0.001 | * | 6,006 | |
| 3/18/2004 | 10,338 | 83% | 688 | 60 | 20.0 | 19.7 | 88 | <10 | <0.15 | 0.6 | <0.06 | <0.001 | * | 6,010 | |
| 4/12/2004 | 10,937 | 100% | 765 | 54 | 20.0 | 17.9 | 630 | <10 | <0.15 | 3.6 | <0.06 | <0.001 | * | 6,024 | |
| 5/17/2004 | 11,713 | 92% | 762 | 75 | 20.0 | 24.8 | 1300 | <25 | <0.25 | 10.4 | <0.20 | <0.002 | 98 | 6,141 | |
| 6/10/2004 | 12,187 | 82% | 720 | 62 | 17.5 | 25.7 | 310 | <10 | <0.15 | 2.6 | <0.08 | <0.001 | * | 6,346 | |
| 7/1/2004 | 12,574 | 77% | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 6,387 | |

Notes and Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline

Benz = Benzene

HC Conc. = Hydrocarbon Concentrations

ppmv = Parts per million by volume. Analytical lab results converted from micrograms per liter (µg/l) to ppmv assumes the molecular weight of gasoline to be equal to that of hexane at 1 atmosphere of pressure and 20 degrees Celsius.

¹ TPHg and benzene concentrations based on lab results by Modified EPA Methods 8015 and 8020.

² The hydrocarbon removal/emission rate is based on the Bay Area Air Quality Management's District's (BAAQMD) Procedures for Soil Vapor Extraction where Rate = concentration (ppmv) x flow rate (scfm) x 1 lb-mole/386x10⁶ ft³ x molecular weight (86 lb/lb-mole for TPHg, 78 lb/lb-mole for benzene) x 1440 min/day.

³ Gasoline Cumulative Removal = The previous removal rates multiplied by the interval days of operation plus the previous total removal amount. The total TPHg removal is based on lab analytical results.

* As per BAAQMD permit conditions, system destruction efficiency need not be calculated for effluent TPHg concentrations less than 10 ppmv

** Effluent sample collected on 10/13/03.

The TPE system was modified on August 6, 2002, and the PD blower was replaced with a liquid-ring blower. The previous system hour meter was also replaced at a total reading of 9089 hours. In addition, all previous flow rate measurements were converted from acfm to scfm adjusting the Hydrocarbon Removal Rates and Gasoline Cumulative Removal.

CAMBRIA

Table 3. TPE System Performance and Analytical Results - Groundwater Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | Water Meter Readings (gallons) | Total Groundwater Extracted (gallons) | System Flow Rate Per Period (gpm) | Sample ID | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | HCs Removed Per Period (lbs) | Total HCs Removed (lbs) |
|------------|---------------------------|--------------------------------|---------------------------------------|-----------------------------------|----------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|------------------------------|-------------------------|
| 10/20/2000 | 878 | 0 | 0 | NC | Inf Eff | -- -- | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | <0.5 <0.5 | -- | -- |
| 10/30/2000 | 1004 | -- | 50 | NC | Inf Eff | -- -- | 170 <0.5 | 140 <0.5 | 16 <0.5 | 200 <0.5 | -- | -- |
| 11/9/2000 | 1,251 | -- | 50 | NC | Inf Eff | 760 <50 | 120 <0.5 | 86 <0.5 | 4.2 <0.5 | 84 <0.5 | NC | NC |
| 12/15/2000 | 1,267 | 760a | 50 | NC | -- | -- | -- | -- | -- | -- | -- | -- |
| 1/23/2001 | 1,313 | 3,790 | 3,080 | 1.1 | In Mid Eff | 3,000 <50 <50 | 440 <0.5 <0.5 | 360 <0.5 <0.5 | 57 <0.5 <0.5 | 350 <0.5 <0.5 | 0.02 | 0.02 |
| 3/28/2001 | 0 | 3,970 | 3,210 | NC | Replacement Catox System Startup | | | -- | -- | -- | 0.00 | 0.02 |
| 4/13/2001 | 378 | 17,366 | 16,606 | 0.6 | IN EF-1 | 360 <50 | 45 <0.5 | 39 <0.5 | 5.1 <0.5 | 43 <0.5 | 0.34 | 0.36 |
| 6/4/2001 | 1,114 | 36,058 | 35,298 | 0.4 | IN Mid EF | 54 <50 <50 | <0.5 <0.5 <0.5 | 0.69 <0.5 <0.5 | <0.5 <0.5 <0.5 | 3.1 <0.5 <0.5 | 0.06 | 0.42 |
| 7/2/2001 | 1,429 | 39,433 | 38,673 | 0.2 | IN Mid EF | <50 <50 <50 | 2.5 <0.5 <0.5 | 1 <0.5 <0.5 | <0.5 <0.5 <0.5 | 5 <0.5 <0.5 | 0.00 | 0.42 |
| 9/7/2001 | 2,301 | 48,566 | 47,806 | 0.2 | INF EFF-1 EFF-2 | 4,600 <50 -- | 24 <0.5 -- | 57 <0.5 -- | 15 <0.5 -- | 140 <0.5 -- | 0.00 | 0.42 |
| 11/16/2001 | 3,184 | 61,892 | 61,132 | 0.3 | INF EFF-1 EFF-2 | 1100 <50 -- | 57 <0.5 -- | 42 <0.5 -- | 6.5 <0.5 -- | 110 <0.5 -- | 0.51 | 0.93 |

CAMBRIA

Table 3. TPE System Performance and Analytical Results - Groundwater Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | Water Meter Readings (gallons) | Total Groundwater Extracted (gallons) | System Flow Rate Per Period (gpm) | Sample ID | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | HCs Removed Per Period (lbs) | Total HCs Removed (lbs) |
|-----------|---------------------------|--------------------------------|---------------------------------------|-----------------------------------|-----------------------|------------------|-------------------|--------------------|---------------------|----------------------|------------------------------|-------------------------|
| 12/6/2001 | 3,710 | 80,094 | 79,334 | 0.6 | INF EFF-1 EFF-2 | 410 <50 -- | 31 <0.5 -- | 14 <0.5 -- | 3.2 <0.5 -- | 48 <0.5 -- | 0.17 | 1.10 |
| 1/7/2002 | 4,472 | 132,337 | 131,577 | 1.1 | INF EFF-1 EFF-2 | 120 <50 -- | 17 <0.5 -- | 7.7 <0.5 -- | 1.5 <0.5 -- | 13 <0.5 -- | 0.18 | 1.28 |
| 2/4/2002 | 4,938 | 164,774 | 164,014 | 1.2 | INF EFF-1 EFF-2 | 140 <50 -- | 18 <0.5 -- | 5.1 <0.5 -- | 0.86 <0.5 -- | 12 <0.5 -- | 0.03 | 1.31 |
| 3/5/2002 | 5,396 | 208,997 | 208,237 | 1.6 | INF EFF-1 EFF-2 | 170 <50 -- | 22 <0.5 -- | 12 <0.5 -- | 1.8 <0.5 -- | 24 <0.5 -- | 0.05 | 1.36 |
| 4/2/2002 | 6,068 | 263,563 | 262,803 | 1.4 | INF EFF-1 EFF-2 | 160 <50 -- | 15 <0.5 -- | 17 <0.5 -- | 3.3 <0.5 -- | 20 <0.5 -- | 0.08 | 1.44 |
| 5/6/2002 | 6,886 | 306,765 | 306,005 | 0.9 | INF EFF-1 EFF-2 | 100 <50 -- | 3.5 <0.5 -- | 1.7 <0.5 -- | 1.0 <0.5 -- | 4.0 <0.5 -- | 0.06 | 1.50 |
| 6/5/2002 | 7,608 | 340,020 | 339,260 | 0.8 | INF EFF-1 EFF-2 | <50 <50 -- | 2.8 <0.5 -- | 1.4 <0.5 -- | <0.5 <0.5 -- | 2.5 <0.5 -- | 0.03 | 1.52 |
| 7/2/2002 | 8,253 | 361,717 | 360,957 | 0.6 | INF EFF-1 EFF-2 | <50 <50 -- | 1.5 <0.5 -- | <0.5 <0.5 -- | <0.5 <0.5 -- | 0.94 <0.5 -- | 0.01 | 1.53 |
| 8/6/2002* | 7 | 383,750 | 382,990 | 0.4 | INF EFF-1 EFF-2 | <50 <50 -- | 1.8 <0.5 -- | 0.92 <0.5 -- | <0.5 <0.5 -- | 2.0 <0.5 -- | 0.01 | 1.54 |

CAMBRIA

Table 3. TPE System Performance and Analytical Results - Groundwater Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | Water Meter Readings (gallons) | Total Groundwater Extracted (gallons) | System Flow Rate Per Period (gpm) | Sample ID | TPH _g (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | HCs Removed Per Period (lbs) | Total HCs Removed (lbs) |
|-----------|---------------------------|--------------------------------|---------------------------------------|-----------------------------------|-----------------------|-------------------------|--------------------|--------------------|---------------------|----------------------|------------------------------|-------------------------|
| 9/10/2002 | 528 | 392,405 | 391,645 | 0.3 | INF EFF-1 EFF-2 | 570 <50 -- | 15 <0.5 -- | 17 <0.5 -- | 2.9 <0.5 -- | 30 <0.5 -- | 0.00 | 1.55 |
| 10/2/2002 | 938 | 400,145 | 399,385 | 0.3 | INF EFF-1 EFF-2 | 2,300 <50 -- | 230 <0.5 -- | 190 <0.5 -- | 38 <0.5 -- | 280 <0.5 -- | 0.03 | 1.55 |
| 11/6/2002 | 1,614 | 419,850 | 419,090 | 0.5 | INF EFF-1 EFF-2 | 4,400 <50 -- | 120 <0.5 -- | 150 <0.5 -- | 27 <0.5 -- | 380 <0.5 -- | 0.38 | 1.93 |
| 12/5/2002 | 1,720 | 424,899 | 424,139 | 0.8 | INF EFF-1 EFF-2 | 8,900 <50 -- | 140 <0.5 -- | 200 <0.5 -- | 33 <0.5 -- | 470 <0.5 -- | 0.19 | 2.11 |
| 1/8/2003 | 2,279 | 473,395 | 472,635 | 1.4 | INF EFF-1 EFF-2 | 3,500 <50 -- | 120 <0.5 -- | 300 <0.5 -- | 48 <0.5 -- | 700 <0.5 -- | 3.60 | 5.72 |
| 2/4/2003 | 2,896 | 554,336 | 553,576 | 2.2 | INF EFF-1 EFF-2 | 1,100 <50 <50 | 51 <0.5 <0.5 | 74 <0.5 <0.5 | 14 <0.5 <0.5 | 190 <0.5 <0.5 | 2.36 | 8.08 |
| 3/4/2003 | 3,571 | 614,530 | 613,770 | 1.5 | INF EFF-1 EFF-2 | 860 <50 -- | 30 <0.5 -- | 59 <0.5 -- | 11 <0.5 -- | 180 <0.5 -- | 0.55 | 8.63 |
| 4/2/2003 | 3,990 | 666,175 | 665,415 | 2.1 | INF EFF-1 EFF-2 | 1,300 <50 <50 | 39 <0.5 <0.5 | 82 <0.5 <0.5 | 23 <0.5 <0.5 | 270 1.1 <0.5 | 0.37 | 9.00 |
| 5/7/2003 | 4,719 | 752,060 | 751,300 | 2.0 | INF EFF-1 EFF-2 | 450 120 <50 | 22 3.7 <0.5 | 16 2.1 <0.5 | 4.5 0.52 <0.5 | 79 13 <0.5 | 0.93 | 9.93 |

CAMBRIA

| Table 3. TPE System Performance and Analytical Results - Groundwater Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California | | | | | | | | | | | | |
|---|---------------------------|--------------------------------|---------------------------------------|-----------------------------------|-----------------------|-------------------|---------------------|---------------------|---------------------|----------------------|------------------------------|-------------------------|
| Date | Hour Meter Readings (hrs) | Water Meter Readings (gallons) | Total Groundwater Extracted (gallons) | System Flow Rate Per Period (gpm) | Sample ID | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | HCs Removed Per Period (lbs) | Total HCs Removed (lbs) |
| 6/2/2003 | 5,200 | 795,697 | 794,937 | 1.5 | INF EFF-1 EFF-2 | 370 70 <50 | 18 1.6 <0.5 | 12 0.86 <0.5 | 3.7 <0.5 <0.5 | 61 5.5 <0.5 | 0.16 | 10.10 |
| 7/3/2003 | 5,882 | 841,095 | 840,335 | 1.1 | INF EFF-1 EFF-2 | 140 61 <50 | 6.3 0.56 <0.5 | 4.9 0.62 <0.5 | 1.1 <0.5 <0.5 | 16 1.6 <0.5 | 0.14 | 10.24 |
| 8/7/2003 | 6,655 | 894,425 | 893,665 | 2.2 | INF EFF-1 EFF-2 | 320 <50 -- | 4.4 <0.5 -- | 2.8 <0.5 -- | 1.0 <0.5 -- | 14 <0.5 -- | 0.06 | 10.30 |
| 9/3/2003 | 7,130 | 914,715 | 913,955 | 0.7 | INF EFF-1 EFF-2 | 310 69 <50 | 21 3.5 <0.5 | 17 2.4 <0.5 | 2.0 <0.5 <0.5 | 44 7.7 <0.5 | 0.05 | 10.35 |
| 10/2/2003 | 7,496 | 924,985 | 924,225 | 0.5 | INF EFF-1 EFF-2 | 460 140 <50 | 34 7.7 <0.5 | 25 5.2 <0.5 | 2.3 0.59 <0.5 | 64 16 <0.5 | 0.03 | 10.38 |
| 11/17/2003 | 8,442 | 963,324 | 962,564 | 0.7 | INF EFF-1 EFF-2 | 300 <50 <50 | 21 <0.5 <0.5 | 7.9 <0.5 <0.5 | 2.2 <0.5 <0.5 | 37 0.94 <0.5 | 0.15 | 10.53 |
| 12/2/2003 | 8,803 | 981,348 | 980,588 | 0.8 | INF EFF-1 EFF-2 | 220 <50 -- | 3.5 <0.5 -- | 1.4 <0.5 -- | 1.6 <0.5 -- | 11 <0.5 -- | 0.05 | 10.57 |
| 1/6/2004 | 9,292 | 1,040,555 | 1,039,795 | 2.0 | INF EFF-1 EFF-2 | 330 50 <50 | 18 <0.5 <0.5 | 4.9 <0.5 <0.5 | 1.5 <0.5 <0.5 | 35 1.8 <0.5 | 0.11 | 10.68 |
| 2/19/2004 | 9,780 | 1,112,086 | 1,111,326 | 2.4 | INF EFF-1 EFF-2 | 57 <50 -- | 4.9 <0.5 -- | 0.79 <0.5 -- | 0.7 <0.5 -- | 4.9 <0.5 -- | 0.20 | 10.88 |

CAMBRIA

Table 3. TPE System Performance and Analytical Results - Groundwater Extraction - Former Exxon Service Station, 3055 35th Street, Oakland, California

| Date | Hour Meter Readings (hrs) | Water Meter Readings (gallons) | Total Groundwater Extracted (gallons) | System Flow Rate Per Period (gpm) | Sample ID | TPHg (µg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | HCs Removed Per Period (lbs) | Total HCs Removed (lbs) |
|---|---------------------------|--------------------------------|---------------------------------------|-----------------------------------|-----------------------|------------------|-------------------|-------------------|---------------------|----------------------|------------------------------|-------------------------|
| 3/18/2004 | 10,338 | 1,190,955 | 1,190,195 | 2.4 | INF EFF-1 EFF-2 | 95 <50 -- | 11 <0.5 -- | 2.2 <0.5 -- | 1.4 <0.5 -- | 12 <0.5 -- | 0.04 | 10.92 |
| 4/12/2004 | 10,937 | 1,285,010 | 1,284,250 | 2.6 | INF EFF-1 EFF-2 | 67 <50 -- | 4.6 <0.5 -- | 1.5 <0.5 -- | 0.58 <0.5 -- | 11 <0.5 -- | 0.07 | 10.99 |
| 5/6/2004 | 11,445 | 1,343,030 | 1,342,270 | 1.9 | INF EFF-1 EFF-2 | 110 <50 -- | 5.8 <0.5 -- | 3.4 <0.5 -- | 0.88 <0.5 -- | 17 <0.5 -- | 0.03 | 11.02 |
| 6/10/2004 | 12,187 | 1,388,823 | 1,388,063 | 1.0 | INF EFF-1 EFF-2 | 53 <50 -- | 2.6 <0.5 -- | 1.1 <0.5 -- | <0.5 <0.5 -- | 7.6 <0.5 -- | 0.04 | 11.07 |
| 7/1/2004 | 12,574 | 1,407,144 | 1,406,384 | 0.8 | INF | -- | -- | -- | -- | -- | 0.01 | 11.07 |
| Sewer Effluent Discharge Limits: (µg/L) | | | | | | | 5.0 | 5.0 | 5.0 | 5.0 | | |

Notes:

TPHg = Total Petroleum Hydrocarbons as Gasoline

µg/L = micrograms per liter

a = Malfunctioning totalizer replaced 12/15/00 (initial reading at 760 gallons)

* = TPE system upgrade. Previous system hour meter = 9089

ND = non detect

<n = below noted practical laboratory quantitation limits

Inf = Influent Sample

Eff = Effluent Sample

NC = Not calculated, insufficient data

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|---------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| MW-1 | 11/6/2001 | open | 80 | -- | -- | -- | 28 |
| | 11/12/2001 | open | 125 | -- | -- | -- | 28 |
| | 11/14/2001 | open | 85 | -- | -- | -- | 28 |
| | 11/21/2001 | open | 95 | -- | -- | -- | 28 |
| | 12/6/2001 | open | 115 | -- | -- | -- | 28 |
| | 12/19/2001 | open | 110 | -- | -- | -- | 25 |
| | 1/17/2002 | open | 130 | -- | -- | -- | 25 |
| | 2/4/2002 | open | 105 | -- | -- | -- | 28 |
| | 2/14/2002 | closed | -- | -- | -- | -- | -- |
| | 3/25/2002 | open | 130 | -- | -- | -- | 21 |
| | 4/2/2002 | open | 130 | -- | -- | -- | 21 |
| | 4/5/2002 | open | 135 | 50 | -- | -- | 21 |
| | 4/19/2002 | open | 130 | 49 | -- | -- | 22 |
| | 5/6/2002 | open | 100 | 42 | -- | -- | 22 |
| | 5/21/2002 | open | 105 | 49 | -- | -- | 23.5 |
| | 6/19/2002 | open | 90 | 42 | -- | -- | 24 |
| | 6/28/2002 | open | 95 | 47 | -- | -- | 25 |
| | 7/10/2002 | open | 97 | 41 | -- | -- | 25 |
| | 7/26/2002 | closed | -- | -- | -- | -- | -- |
| | 8/6/2002 | open | -- | -- | -- | -- | 21.5 |
| | 8/26/2002 | open | 95 | 47 | -- | -- | 21.5 |
| | 9/16/2002 | open | 105 | -- | -- | -- | 21.5 |
| | 9/20/2002 | open | 85 | 40 | -- | -- | 21.5 |
| | 10/2/2002 | open | 75 | 22 | -- | -- | 21.5 |
| | 10/11/2002 | open | 110 | 32 | -- | -- | 21.5 |
| | 10/16/2002 | open | 125 | 103 | 5.0 | 1475 | 21.5 |
| | 10/31/2002 | open | 150 | 70 | -- | -- | 21.5 |
| | 11/6/2002 | open | 155 | 101 | -- | -- | 21.5 |
| | 11/22/2002 | open | 145-160 | 115 | -- | -- | 21.5 |
| | 12/5/2002 | open | 140 | 91 | -- | -- | 21.5 |
| | 12/20/2002 | open | >150 | -- | -- | -- | 19.5 |
| | 1/8/2003 | open | >150 | 135 | -- | -- | 19.5 |
| | 1/13/2003 | closed | >150 | 140 | 6.0 | 80 | 20 |
| | 1/30/2003 | open | >150 | 150 | -- | -- | 21 |
| | 2/4/2003 | open | >150 | 140 | -- | -- | 21 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 21 |
| | 3/4/2003 | open | 150 | 110 | -- | -- | 21 |
| | 3/13/2003 | open | >150 | 150 | -- | -- | 21 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 21 |
| | 3/25/2003 | open | >150 | 130 | -- | -- | 21 |
| | 4/2/2003 | open | >150 | >150 | -- | -- | 21 |
| | 4/11/2003 | open | >150 | 104 | -- | -- | 21 |
| | 4/25/2003 | open | >150 | -- | -- | -- | 21.5 |
| | 5/7/2003 | open | >150 | 109 | -- | -- | 20 |
| | 5/14/2003 | open | >150 | -- | -- | -- | 20 |
| | 5/22/2003 | open | 135 | -- | -- | -- | 20 |
| | 5/30/2003 | open | >150 | 130 | 5.3 | 30 | 21.5 |
| | 6/3/2003 | open | >150 | -- | -- | -- | 21.5 |
| | 6/13/2003 | open | 130 | -- | -- | -- | 21.5 |
| | 6/23/2003 | open | 120 | 64 | -- | -- | 21.5 |
| | 7/3/2003 | open | 135 | -- | -- | -- | 21.5 |
| | 7/11/2003 | open | 125 | -- | -- | -- | 22.5 |
| | 8/7/2003 | open | 145 | 70 | -- | -- | 22.5 |
| | 8/15/2003 | open | 130 | 60 | -- | -- | 22.5 |
| | 8/26/2003 | open | >150 | 120 | -- | -- | 24 |
| | 10/13/2003 | open | >150 | >150 | -- | -- | 24 |
| | 12/2/2003 | open | 140 | -- | -- | -- | 24.5 |
| | 12/15/2003 | open | >150 | 150 | -- | -- | 24.5 |
| | 1/6/2004 | open | >150 | -- | -- | -- | 23.5 |
| | 1/13/2004 | open | >150 | -- | -- | -- | 20 |
| | 1/23/2004 | open | >150 | 112 | -- | -- | 17 |
| | 3/1/2004 | open | >150 | -- | -- | -- | 16.5 |
| | 3/18/2004 | open | >150 | 145 | 10.1 | 10 | 21 |
| | 3/18/2004 | open | >150 | 135 | 7.8 | 20 | 23 |
| | 4/12/2004 | open | >150 | 125 | -- | -- | 23 |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger Vacuum (inches of H2O) | Well Annulus Vacuum (inches of H2O) | Flow Rate (cfm) | Hydrocarbon Vapor Concentration (ppmv) | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---|---|--------------------|---|---------------------------------|
| -->MW-1 | 4/29/2004 | open | >150 | -- | -- | -- | 21 |
| | 5/6/2004 | open | >150 | 110 | -- | -- | 22 |
| | 5/27/2004 | open | >150 | 100 | -- | -- | 22 |
| | 6/10/2004 | open | >150 | 97 | -- | -- | 22 |
| MW-2 | 11/6/2001 | open | 80 | -- | -- | -- | 27 |
| | 11/12/2001 | open | 125 | -- | -- | -- | 27 |
| | 11/14/2001 | open | 85 | -- | -- | -- | 27 |
| | 11/21/2001 | open | 95 | -- | -- | -- | 27 |
| | 12/6/2001 | open | 115 | -- | -- | -- | 28 |
| | 12/19/2001 | closed | -- | -- | -- | -- | -- |
| | 2/4/2002 | open | 105 | -- | -- | -- | 28 |
| | 2/14/2002 | closed | -- | -- | -- | -- | -- |
| | 3/25/2002 | open | 130 | -- | -- | -- | 21 |
| | 4/2/2002 | open | 130 | -- | -- | -- | 21 |
| | 4/5/2002 | open | 135 | 70 | -- | -- | 21 |
| | 4/19/2002 | open | 130 | 55 | -- | -- | 22 |
| | 5/6/2002 | closed | -- | -- | -- | -- | -- |
| | 6/28/2002 | open | 95 | 52 | -- | -- | 22 |
| | 7/10/2002 | open | 97 | 51 | -- | -- | 22 |
| | 7/26/2002 | open | 92 | 19 | -- | -- | 25.5 |
| | 8/6/2002 | open | -- | -- | -- | -- | 21.5 |
| | 8/26/2002 | open | 95 | 35 | -- | -- | 21.5 |
| | 9/16/2002 | open | 105 | -- | -- | -- | 21.5 |
| | 9/20/2002 | open | 85 | 30 | -- | -- | 21.5 |
| | 10/2/2002 | open | 75 | 72 | -- | -- | 21.5 |
| | 10/11/2002 | open | 110 | 60 | -- | -- | 21.5 |
| | 10/16/2002 | open | 125 | 108 | 8.5 | 2030 | 21.5 |
| | 10/31/2002 | open | 150 | 65 | -- | -- | 21.5 |
| | 11/6/2002 | open | 155 | 95 | -- | -- | 21.5 |
| | 11/22/2002 | closed | -- | -- | -- | -- | -- |
| | 1/13/2003 | open | >150 | 130 | 5.0 | 385 | 19 |
| | 1/22/2003 | open | >150 | -- | -- | -- | 19 |
| | 1/24/2003 | open | >150 | 140 | -- | -- | 20 |
| | 1/30/2003 | open | >150 | 120 | -- | -- | 20 |
| | 2/4/2003 | open | >150 | 75 | -- | -- | 21 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 21 |
| | 3/4/2003 | open | 150 | 93 | -- | -- | 21 |
| | 3/13/2003 | open | >150 | 140 | -- | -- | 20 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 20 |
| | 3/25/2003 | open | >150 | 97 | -- | -- | 19 |
| | 4/2/2003 | open | >150 | 130 | -- | -- | 19 |
| | 4/11/2003 | open | >150 | 75 | -- | -- | 19 |
| | 4/25/2003 | open | >150 | 50 | -- | -- | 20 |
| | 5/7/2003 | open | >150 | 90 | -- | -- | 19 |
| | 5/14/2003 | open | >150 | -- | -- | -- | 20 |
| | 5/22/2003 | open | 135 | -- | -- | -- | 20 |
| 5/30/2003 | open | >150 | 87 | 5.4 | 29 | 20.5 | |
| 6/3/2003 | open | >150 | -- | -- | -- | 20.5 | |
| 6/13/2003 | open | 130 | -- | -- | -- | 20.5 | |
| 6/23/2003 | open | 120 | 62 | -- | -- | 20.5 | |
| 7/3/2003 | open | 135 | -- | -- | -- | 20 | |
| 7/11/2003 | open | 125 | -- | -- | -- | 21.5 | |
| 8/7/2004 | open | 145 | 55 | -- | -- | 21.5 | |
| 8/15/2003 | open | 130 | 68 | -- | -- | 21.5 | |
| 8/26/2003 | open | >150 | 115 | -- | -- | 23 | |
| 9/19/2003 | open | 130 | -- | -- | -- | 23.5 | |
| 10/13/2003 | open | >150 | >150 | -- | -- | 23.5 | |
| 12/2/2003 | open | 140 | -- | -- | -- | 24 | |
| 12/15/2003 | open | >150 | 120 | -- | -- | 24 | |
| 1/6/2004 | open | >150 | -- | -- | -- | 23 | |
| 1/13/2004 | open | >150 | -- | -- | -- | 20.5 | |
| 1/23/2004 | open | >150 | >150 | -- | -- | 16 | |
| 2/11/2004 | open | >150 | -- | -- | -- | 15.5 | |
| 3/1/2004 | open | >150 | -- | -- | -- | 15 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| -->MW-2 | 3/18/2004 | open | >150 | 95 | 10.8 | 30 | 20 |
| | 3/18/2004 | open | >150 | 80 | 9.7 | 35 | 22 |
| | 4/12/2004 | open | >150 | 100 | -- | -- | 22 |
| | 4/29/2004 | open | >150 | -- | -- | -- | 20 |
| | 5/6/2004 | open | >150 | 90 | -- | -- | 21 |
| | 5/17/2004 | open | >150 | -- | -- | -- | 26 |
| | 5/27/2004 | open | >150 | 90 | -- | -- | 26 |
| | 6/10/2004 | open | >150 | 80 | -- | -- | 26 |
| MW-3 | 11/6/2001 | open | 80 | -- | -- | -- | 25 |
| | 11/12/2001 | open | 125 | -- | -- | -- | 25 |
| | 11/14/2001 | open | 85 | -- | -- | -- | 25 |
| | 11/21/2001 | open | 95 | -- | -- | -- | 25 |
| | 12/6/2001 | open | 115 | -- | -- | -- | 25 |
| | 12/19/2001 | open | 110 | -- | -- | -- | 25 |
| | 1/17/2002 | open | 130 | -- | -- | -- | 25 |
| | 2/4/2002 | open | 105 | -- | -- | -- | 25 |
| | 2/14/2002 | closed | -- | -- | -- | -- | -- |
| | 5/6/2002 | open | 100 | 28 | -- | -- | 20 |
| | 5/21/2002 | open | 105 | 7 | -- | -- | 22 |
| | 6/19/2002 | open | 90 | 10 | -- | -- | 24 |
| | 6/28/2002 | open | 95 | 11 | -- | -- | 24 |
| | 7/10/2002 | open | 97 | 6 | -- | -- | 23 |
| | 7/26/2002 | open | 92 | 7 | -- | -- | 23 |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 |
| | 8/26/2002 | open | 95 | 44 | -- | -- | 19 |
| | 9/16/2002 | open | 105 | -- | -- | -- | 19 |
| | 9/20/2002 | open | 85 | 50 | -- | -- | 19 |
| | 10/2/2002 | open | 75 | 29 | -- | -- | 19 |
| | 10/11/2002 | open | 110 | 25 | -- | -- | 19 |
| | 10/16/2002 | open | 125 | 115 | 17 | 1286 | 19 |
| | 10/31/2002 | open | 150 | 70 | -- | -- | 19 |
| | 11/6/2002 | open | 155 | 89 | -- | -- | 19 |
| | 11/22/2002 | open | 145-160 | 92 | -- | -- | 19 |
| | 12/5/2002 | open | 140 | 86 | -- | -- | 19.5 |
| | 12/20/2002 | open | >150 | -- | -- | -- | 18 |
| | 1/8/2003 | open | >150 | 145 | -- | -- | 18 |
| | 1/13/2003 | open | >150 | 150 | 5.6 | 700 | 17 |
| | 1/22/2003 | open | >150 | -- | -- | -- | 17 |
| | 1/24/2003 | open | >150 | >150 | -- | -- | 17 |
| | 1/30/2003 | open | >150 | >150 | -- | -- | 17 |
| | 2/4/2003 | open | >150 | 140 | -- | -- | 18 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 18 |
| | 3/4/2003 | open | 150 | 120 | -- | -- | 18 |
| | 3/13/2003 | open | >150 | >150 | -- | -- | 18 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 18 |
| | 3/25/2003 | open | >150 | 145 | -- | -- | 18 |
| | 4/2/2003 | open | >150 | >150 | -- | -- | 18 |
| | 4/11/2003 | open | >150 | 120 | -- | -- | 18 |
| | 4/25/2003 | open | >150 | 95 | -- | -- | 19.5 |
| | 5/7/2003 | open | >150 | 110 | -- | -- | 19.5 |
| 5/14/2003 | open | >150 | -- | -- | -- | 19.5 | |
| 5/22/2003 | open | 135 | -- | -- | -- | 19.5 | |
| 5/30/2003 | open | >150 | 105 | 10 | 88 | 18.3 | |
| 6/3/2003 | open | >150 | -- | -- | -- | 18.3 | |
| 6/13/2003 | open | 130 | -- | -- | -- | 18.3 | |
| 6/23/2003 | open | 120 | 65 | -- | -- | 18.3 | |
| 7/3/2003 | open | 135 | -- | -- | -- | 19 | |
| 8/7/2003 | open | 145 | 64 | -- | -- | 19 | |
| 8/15/2003 | open | 130 | 65 | -- | -- | 19 | |
| 8/26/2003 | open | >150 | 105 | -- | -- | 22 | |
| 10/13/2003 | closed | >150 | >150 | -- | -- | 22 | |
| 12/2/2003 | open | 140 | -- | -- | -- | 22 | |
| 12/15/2003 | open | >150 | 140 | -- | -- | 22 | |
| 1/6/2004 | open | >150 | -- | -- | -- | 21 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| -->MW-3 | 1/23/2004 | open | >150 | 130 | -- | -- | 14.5 |
| | 3/18/2004 | open | >150 | 75 | 11.9 | 40 | 20.5 |
| | 4/12/2004 | open | >150 | 125 | -- | -- | 20.5 |
| | 5/6/2004 | open | >150 | 140 | -- | -- | 21.5 |
| | 5/17/2004 | open | >150 | -- | -- | -- | 22.5 |
| | 5/27/2004 | open | >150 | 130 | -- | -- | 23 |
| | 6/10/2004 | open | >150 | 116 | -- | -- | 23 |
| MW-4 | 11/6/2001 | open | 80 | -- | -- | -- | 25 |
| | 11/12/2001 | open | 125 | -- | -- | -- | 25 |
| | 11/14/2001 | open | 85 | -- | -- | -- | 25 |
| | 11/21/2001 | open | 95 | -- | -- | -- | 25 |
| | 12/6/2001 | open | 115 | -- | -- | -- | 25 |
| | 12/19/2001 | open | 110 | -- | -- | -- | 25 |
| | 1/17/2002 | open | 130 | -- | -- | -- | 25 |
| | 2/4/2002 | open | 105 | -- | -- | -- | 25 |
| | 2/14/2002 | closed | -- | -- | -- | -- | -- |
| | 5/6/2002 | open | 100 | 26 | -- | -- | 20 |
| | 5/21/2002 | open | 105 | 31 | -- | -- | 21 |
| | 6/19/2002 | open | 90 | 26 | -- | -- | 21 |
| | 6/28/2002 | closed | -- | -- | -- | -- | -- |
| | 7/26/2002 | open | 92 | 14 | -- | -- | 24.5 |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 |
| | 8/26/2002 | open | 95 | 39 | -- | -- | 19 |
| | 9/16/2002 | open | 105 | -- | -- | -- | 19 |
| | 9/20/2002 | open | 85 | 35 | -- | -- | 19 |
| | 10/2/2002 | open | 75 | 34 | -- | -- | 19 |
| | 10/11/2002 | open | 110 | 31 | -- | -- | 19 |
| | 10/16/2002 | open | 125 | 100 | 4.7 | 1780 | 19 |
| | 10/31/2002 | open | 150 | 60 | -- | -- | 19 |
| | 11/6/2002 | open | 155 | 82 | -- | -- | 19 |
| | 11/22/2002 | open | 145-160 | 82 | -- | -- | 19 |
| | 12/5/2002 | open | 140 | 77 | -- | -- | 19.5 |
| | 12/20/2002 | open | >150 | -- | -- | -- | 18 |
| | 1/8/2003 | open | >150 | 130 | -- | -- | 18 |
| | 1/13/2003 | closed | >150 | 130 | 6.5 | 150 | 17 |
| | 1/24/2003 | open | >150 | 130 | -- | -- | 19 |
| | 1/30/2003 | open | >150 | 135 | -- | -- | 19 |
| | 2/4/2003 | open | >150 | 120 | -- | -- | 19 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 19 |
| | 3/4/2003 | open | 150 | 104 | -- | -- | 19 |
| | 3/13/2003 | open | >150 | 150 | -- | -- | 19 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 19 |
| | 3/25/2003 | open | >150 | 110 | -- | -- | 19 |
| | 4/2/2003 | open | >150 | 150 | -- | -- | 19 |
| | 4/11/2003 | open | >150 | 80 | -- | -- | 19 |
| | 4/25/2003 | open | >150 | 55 | -- | -- | 19 |
| | 5/7/2003 | open | >150 | 95 | -- | -- | 19 |
| | 5/14/2003 | open | >150 | -- | -- | -- | 19 |
| | 5/22/2003 | open | 135 | -- | -- | -- | 18 |
| 5/30/2003 | open | >150 | 110 | 4.6 | 410 | 18.5 | |
| 6/3/2003 | open | >150 | -- | -- | -- | 18.5 | |
| 6/13/2003 | open | 130 | -- | -- | -- | 18.5 | |
| 6/23/2003 | open | 120 | 45 | -- | -- | 18.5 | |
| 7/3/2003 | open | 135 | -- | -- | -- | 18.5 | |
| 7/11/2003 | open | 125 | -- | -- | -- | 19.5 | |
| 8/7/2003 | open | 145 | 65 | -- | -- | 19.5 | |
| 8/15/2003 | open | 130 | 70 | -- | -- | 19.5 | |
| 8/26/2003 | open | >150 | 100 | -- | -- | 22 | |
| 9/19/2003 | open | 130 | -- | -- | -- | 22 | |
| 10/13/2003 | open | >150 | >150 | -- | -- | 22 | |
| 12/2/2003 | open | 140 | -- | -- | -- | 19.5 | |
| 12/15/2003 | open | >150 | 130 | -- | -- | 21 | |
| 1/6/2004 | open | >150 | -- | -- | -- | 20 | |
| 1/23/2004 | open | >150 | 111 | -- | -- | 14.5 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| -->MW-4 | 3/18/2004 | open | >150 | 78 | 6.8 | 40 | 20 |
| | 4/12/2004 | open | >150 | 100 | -- | -- | 20 |
| | 5/6/2004 | open | >150 | 107 | -- | -- | 21 |
| | 5/17/2004 | open | >150 | -- | -- | -- | 22 |
| | 5/27/2004 | open | >150 | 100 | -- | -- | 22 |
| | 6/10/2004 | open | >150 | 121 | -- | -- | 20 |
| RW-5 | 5/24/2000 | -- | 80 | -- | -- | -- | 11.64 |
| | 10/6/2000 | -- | 100 | -- | -- | -- | -- |
| | 11/29/2000 | open | >100 | -- | -- | 4320 | -- |
| | 3/29/2001 | open | 54 | -- | -- | 650 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | -- |
| | 4/26/2001 | open | 85 | -- | -- | -- | 15 |
| | 5/3/2001 | open | 80 | -- | -- | -- | 15 |
| | 5/23/2001 | open | 10 | -- | -- | -- | 15 |
| | 6/4/2001 | open | 50 | -- | -- | -- | 15 |
| | 6/21/2001 | open | 65 | -- | -- | -- | 15 |
| | 7/2/2001 | open | 55 | -- | -- | -- | 15 |
| | 7/16/2001 | open | 45 | -- | -- | -- | 16 |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 12/6/2001 | closed | -- | -- | -- | -- | -- |
| | 12/19/2001 | open | 110 | -- | -- | -- | 20 |
| | 1/17/2002 | open | 130 | -- | -- | -- | 20 |
| | 2/4/2002 | closed | -- | -- | -- | -- | -- |
| | 3/25/2002 | open | 130 | -- | -- | -- | 16 |
| | 4/2/2002 | open | 130 | -- | -- | -- | 16 |
| | 4/5/2002 | open | 135 | 90 | -- | -- | 16 |
| | 4/19/2002 | open | 130 | 72 | -- | -- | 18 |
| | 5/6/2002 | open | 100 | 43 | -- | -- | 18 |
| | 5/21/2002 | open | 105 | 55 | -- | -- | 19 |
| | 6/19/2002 | open | 90 | 33 | -- | -- | 19.5 |
| | 6/28/2002 | open | 95 | 48 | -- | -- | 20 |
| | 7/10/2002 | closed | -- | -- | -- | -- | -- |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 |
| | 8/26/2002 | open | 95 | 27 | -- | -- | 19 |
| | 9/16/2002 | open | 105 | -- | -- | -- | 19 |
| | 9/20/2002 | open | 85 | 22 | -- | -- | 19 |
| | 10/2/2002 | open | 75 | 32 | -- | -- | 19 |
| | 10/11/2002 | open | 110 | 28 | -- | -- | 19 |
| | 10/16/2002 | open | 125 | 38 | 62 | 240 | 19 |
| | 10/31/2002 | open | 150 | 44 | -- | -- | 19 |
| | 11/6/2002 | open | 155 | 50 | -- | -- | 19 |
| | 11/22/2002 | open | 145-160 | 26 | -- | -- | 20 |
| | 12/5/2002 | open | 140 | 26 | -- | -- | 20 |
| 12/20/2002 | open | >150 | -- | -- | -- | 18 | |
| 1/8/2003 | open | >150 | 130 | -- | -- | 18 | |
| 1/13/2003 | open | >150 | 115 | 5.5 | 1750 | 17 | |
| 1/22/2003 | open | >150 | -- | -- | -- | 17 | |
| 1/24/2003 | open | >150 | 140 | -- | -- | 17 | |
| 1/30/2003 | open | >150 | 140 | -- | -- | 17 | |
| 2/4/2003 | open | >150 | 128 | -- | -- | 18 | |
| 2/12/2003 | open | 140 | -- | -- | -- | 18 | |
| 3/4/2003 | open | 150 | 105 | -- | -- | 18 | |
| 3/13/2003 | open | >150 | 145 | -- | -- | 18 | |
| 3/17/2003 | open | >150 | -- | -- | -- | 18 | |
| 3/25/2003 | open | >150 | 90 | -- | -- | 18 | |
| 4/2/2003 | open | >150 | 125 | -- | -- | 18 | |
| 4/11/2003 | open | >150 | 102 | -- | -- | 18 | |
| 4/25/2003 | open | >150 | 85 | -- | -- | 19 | |
| 5/7/2003 | open | >150 | 90 | -- | -- | 19 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger Vacuum (inches of H2O) | Well Annulus Vacuum (inches of H2O) | Flow Rate (cfm) | Hydrocarbon Vapor Concentration (ppmv) | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---|---|--------------------|---|---------------------------------|
| -->RW-5 | 5/14/2003 | open | >150 | -- | -- | -- | 16 |
| | 5/22/2003 | open | 135 | -- | -- | -- | 16 |
| | 5/30/2003 | open | >150 | 93 | 5.7 | 102 | 16.8 |
| | 6/3/2003 | open | >150 | -- | -- | -- | 16.8 |
| | 6/13/2003 | open | 130 | -- | -- | -- | 16.8 |
| | 6/23/2003 | open | 120 | 62 | -- | -- | 16.8 |
| | 7/3/2003 | open | 135 | -- | -- | -- | 17 |
| | 7/11/2003 | open | 125 | -- | -- | -- | 18 |
| | 8/7/2004 | open | 145 | 61 | -- | -- | 18 |
| | 8/15/2003 | open | 130 | 76 | -- | -- | 18 |
| | 8/26/2003 | open | >150 | 105 | -- | -- | 22 |
| | 10/2/2003 | closed | -- | -- | -- | -- | -- |
| | 10/13/2003 | open | >150 | -- | -- | -- | 22 |
| | 12/15/2003 | open | >150 | 140 | -- | -- | 22 |
| | 1/6/2004 | open | >150 | -- | -- | -- | 21 |
| | 1/13/2004 | open | >150 | -- | -- | -- | 19.5 |
| | 1/23/2004 | open | >150 | >150 | -- | -- | 12.5 |
| | 3/18/2004 | open | >150 | 110 | 7.6 | 25 | 19 |
| | 4/12/2004 | open | >150 | 100 | -- | -- | 19 |
| | 5/6/2004 | open | >150 | 60 | -- | -- | 20 |
| | 5/17/2004 | open | >150 | -- | -- | -- | 21 |
| | 5/27/2004 | open | >150 | 30 | -- | -- | 22 |
| | 6/10/2004 | open | >150 | 21 | -- | -- | 26 |
| | 7/1/2004 | open | >150 | -- | -- | -- | 26 |
| RW-6 | 5/24/2000 | -- | 80 | -- | -- | -- | 11.78 |
| | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| | 11/29/2000 | open | >100 | -- | -- | 260 | -- |
| | 3/29/2001 | open | 54 | -- | -- | 2050 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | 20 |
| | 4/26/2001 | closed | -- | -- | -- | -- | -- |
| | 6/4/2001 | open | 50 | -- | -- | -- | 15 |
| | 6/21/2001 | open | 65 | -- | -- | -- | 15 |
| | 7/2/2001 | open | 55 | -- | -- | -- | 15 |
| | 7/16/2001 | open | 45 | -- | -- | -- | 16 |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 9/14/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 1/17/2002 | closed | -- | -- | -- | -- | -- |
| | 3/11/2002 | open | 130 | -- | -- | -- | 16 |
| | 3/25/2002 | open | 130 | -- | -- | -- | 16 |
| | 4/2/2002 | open | 12 | -- | -- | -- | 16 |
| | 4/5/2002 | open | 135 | 85 | -- | -- | 16 |
| | 4/19/2002 | open | 130 | 75 | -- | -- | 18 |
| | 5/6/2002 | closed | -- | -- | -- | -- | -- |
| | 7/10/2002 | open | 97 | 54 | -- | -- | 20 |
| | 7/26/2002 | open | 92 | 39 | -- | -- | 20 |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 |
| | 8/26/2002 | open | 95 | 34 | -- | -- | 19 |
| | 9/16/2002 | open | 105 | -- | -- | -- | 19 |
| | 9/20/2002 | open | 85 | 45 | -- | -- | 19 |
| | 10/2/2002 | open | 75 | 30 | -- | -- | 19 |
| | 10/11/2002 | open | 110 | -- | -- | -- | 19 |
| | 10/16/2002 | open | 125 | 54 | 34 | 644 | 19 |
| 10/31/2002 | closed | -- | -- | -- | -- | -- | |
| 11/22/2002 | open | 145-160 | 70 | -- | -- | 19.5 | |
| 12/5/2002 | open | 140 | 69 | -- | -- | 19.5 | |
| 12/20/2002 | open | >150 | -- | -- | -- | 18 | |
| 1/8/2003 | open | >150 | 135 | -- | -- | 18 | |
| 1/13/2003 | open | >150 | 110 | 4.5 | 1550 | 17 | |
| 1/22/2003 | open | >150 | -- | -- | -- | 17 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger Vacuum (inches of H2O) | Well Annulus Vacuum (inches of H2O) | Flow Rate (cfm) | Hydrocarbon Vapor Concentration (ppmv) | Stinger Depth (ft below TOC) | |
|------------|------------|------------------------------|---|---|--------------------|---|---------------------------------|------|
| -->RW-6 | 1/24/2003 | open | >150 | 150 | -- | -- | 17 | |
| | 1/30/2003 | open | >150 | 140 | -- | -- | 17 | |
| | 2/4/2003 | open | >150 | 125 | -- | -- | 18 | |
| | 2/12/2003 | open | 140 | -- | -- | -- | 18 | |
| | 3/4/2003 | open | 150 | 108 | -- | -- | 18 | |
| | 3/13/2003 | open | >150 | 150 | -- | -- | 18 | |
| | 3/17/2003 | open | >150 | -- | -- | -- | 18 | |
| | 3/25/2003 | open | >150 | 110 | -- | -- | 18 | |
| | 4/2/2003 | open | >150 | 145 | -- | -- | 18 | |
| | 4/11/2003 | open | >150 | 99 | -- | -- | 18 | |
| | 4/25/2003 | open | >150 | 85 | -- | -- | 19 | |
| | 5/7/2003 | open | >150 | 100 | -- | -- | 19 | |
| | 5/14/2003 | open | >150 | -- | -- | -- | 19 | |
| | 5/22/2003 | open | 135 | -- | -- | -- | 19 | |
| | 5/30/2003 | open | >150 | 75 | 5.2 | 289 | 17 | |
| | 6/3/2003 | open | >150 | -- | -- | -- | 17 | |
| | 6/13/2003 | open | 130 | -- | -- | -- | 17 | |
| | 6/23/2003 | open | 120 | 59 | -- | -- | 17 | |
| | 7/3/2003 | open | 135 | -- | -- | -- | 17 | |
| | 7/11/2003 | open | 125 | -- | -- | -- | 18 | |
| | 8/7/2003 | open | 145 | 61 | -- | -- | 18 | |
| | 8/15/2003 | open | 130 | 66 | -- | -- | 18 | |
| | 8/26/2003 | open | >150 | 120 | -- | -- | 22 | |
| | 9/19/2003 | open | 130 | -- | -- | -- | 21 | |
| | 10/7/2003 | closed | -- | -- | -- | -- | -- | |
| | 12/15/2003 | open | >150 | 150 | -- | -- | 21 | |
| | 1/6/2004 | open | >150 | -- | -- | -- | 20 | |
| | 1/13/2004 | open | >150 | -- | -- | -- | 19 | |
| | 1/23/2004 | open | >150 | >150 | -- | -- | 13 | |
| | 3/1/2004 | open | >150 | -- | -- | -- | 12.5 | |
| | 3/18/2004 | open | >150 | 120 | 6.5 | 35 | 15.5 | |
| | 4/12/2004 | open | >150 | 115 | -- | -- | 15.5 | |
| | 5/6/2004 | open | >150 | 110 | -- | -- | 17 | |
| | 5/17/2004 | open | >150 | -- | -- | -- | 22 | |
| | 5/27/2004 | open | >150 | 100 | -- | -- | 22 | |
| | 6/10/2004 | closed | -- | -- | -- | -- | -- | |
| | RW-7 | 5/24/2000 | -- | 80 | -- | -- | -- | 12.5 |
| | | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| 11/29/2000 | | open | >100 | -- | -- | 0 | -- | |
| 3/29/2001 | | open | 54 | -- | -- | 52 | -- | |
| 4/14/2001 | | open | 100 | -- | -- | -- | 20 | |
| 4/26/2001 | | open | 85 | -- | -- | -- | 15 | |
| 5/3/2001 | | open | 80 | -- | -- | -- | 15 | |
| 5/23/2001 | | open | 10 | -- | -- | -- | 15 | |
| 6/4/2001 | | open | 50 | -- | -- | -- | 15 | |
| 6/21/2001 | | open | 65 | -- | -- | -- | 15 | |
| 7/2/2001 | | open | 55 | -- | -- | -- | 15 | |
| 7/16/2001 | | open | 45 | -- | -- | -- | 16 | |
| 8/2/2001 | | open | 35 | -- | -- | -- | -- | |
| 8/10/2001 | | open | 20 | -- | -- | -- | -- | |
| 8/15/2001 | | open | 20 | -- | -- | -- | -- | |
| 8/27/2001 | | open | 65 | -- | -- | -- | -- | |
| 9/7/2001 | | closed | -- | -- | -- | -- | -- | |
| 10/3/2001 | | closed | -- | -- | -- | -- | -- | |
| 1/17/2002 | | closed | -- | -- | -- | -- | -- | |
| 4/2/2002 | | closed | -- | -- | -- | -- | -- | |
| 7/10/2002 | | closed | -- | -- | -- | -- | -- | |
| 10/2/2002 | | closed | -- | -- | -- | -- | -- | |
| 10/16/2002 | | closed | 125 | 19 | 35 | 36 | 19 | |
| 1/8/2003 | | closed | -- | -- | -- | -- | -- | |
| 1/13/2003 | | closed | >150 | 135 | 4.5 | 25 | 17 | |
| 4/2/2003 | | closed | -- | -- | -- | -- | -- | |
| 7/3/2003 | | closed | -- | -- | -- | -- | -- | |
| 10/2/2003 | closed | -- | -- | -- | -- | -- | | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger Vacuum (inches of H2O) | Well Annulus Vacuum (inches of H2O) | Flow Rate (cfm) | Hydrocarbon Vapor Concentration (ppmv) | Stinger Depth (ft below TOC) |
|-----------|------------|------------------------------|---|---|--------------------|---|---------------------------------|
| ->RW-7 | 1/6/2004 | closed | -- | -- | -- | -- | -- |
| | 3/31/2004 | closed | -- | -- | -- | -- | -- |
| | 7/1/2004 | closed | -- | -- | -- | -- | -- |
| RW-8 | 5/24/2000 | -- | -- | -- | -- | -- | -- |
| | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| | 11/29/2000 | open | >100 | -- | -- | 44 | -- |
| | 3/29/2001 | open | 54 | -- | -- | 60 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | 20 |
| | 4/26/2001 | open | 85 | -- | -- | -- | 15 |
| | 5/3/2001 | open | 80 | -- | -- | -- | 15 |
| | 5/23/2001 | open | 10 | -- | -- | -- | 15 |
| | 6/4/2001 | open | 50 | -- | -- | -- | 15 |
| | 6/21/2001 | open | 65 | -- | -- | -- | -- |
| | 7/2/2001 | open | 55 | -- | -- | -- | -- |
| | 7/16/2001 | open | 45 | -- | -- | -- | -- |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 1/17/2002 | closed | -- | -- | -- | -- | -- |
| | 3/11/2002 | closed | -- | -- | -- | -- | 18 |
| | 4/2/2002 | closed | -- | -- | -- | -- | -- |
| | 7/10/2002 | closed | -- | -- | -- | -- | -- |
| | 10/2/2002 | closed | -- | -- | -- | -- | -- |
| | 10/16/2002 | open | 125 | 33 | 29 | 15 | 19 |
| | 10/31/2002 | closed | -- | -- | -- | -- | -- |
| | 1/8/2003 | closed | -- | -- | -- | -- | -- |
| | 1/13/2003 | closed | >150 | 140 | 4.0 | 5 | 18 |
| | 4/2/2003 | closed | -- | -- | -- | -- | -- |
| | 5/30/2003 | closed | >150 | >150 | 6.7 | 5 | 18.8 |
| | 7/3/2003 | closed | -- | -- | -- | -- | -- |
| | 10/2/2004 | closed | -- | -- | -- | -- | -- |
| 1/6/2004 | closed | -- | -- | -- | -- | -- | |
| 3/31/2004 | closed | -- | -- | -- | -- | -- | |
| 7/1/2004 | closed | -- | -- | -- | -- | -- | |
| RW-9 | 5/24/2000 | -- | -- | -- | -- | -- | 12.5 |
| | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| | 11/29/2000 | -- | >100 | -- | -- | 43 | -- |
| | 3/29/2001 | open | 54 | -- | -- | 90 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | -- |
| | 4/26/2001 | open | 85 | -- | -- | -- | -- |
| | 5/3/2001 | open | 80 | -- | -- | -- | -- |
| | 5/23/2001 | open | 10 | -- | -- | -- | -- |
| | 6/4/2001 | open | 50 | -- | -- | -- | -- |
| | 6/21/2001 | open | 65 | -- | -- | -- | -- |
| | 7/2/2001 | open | 55 | -- | -- | -- | -- |
| | 7/16/2001 | open | 45 | -- | -- | -- | -- |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 1/17/2002 | closed | -- | -- | -- | -- | -- |
| | 2/14/2002 | open | 125 | -- | -- | -- | 20 |
| | 3/5/2002 | open | 115 | -- | -- | -- | 20 |
| | 3/11/2002 | closed | -- | -- | -- | -- | -- |
| | 4/2/2002 | closed | -- | -- | -- | -- | -- |
| | 5/6/2002 | open | 100 | 38 | -- | -- | 20 |
| | 5/21/2002 | open | 105 | 56 | -- | -- | 20 |
| 6/19/2002 | open | 90 | 47 | -- | -- | 20 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|----------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| -->RW-9 | 6/28/2002 | closed | -- | -- | -- | -- | -- |
| | 7/10/2002 | closed | -- | -- | -- | -- | -- |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 |
| | 8/26/2002 | open | 95 | 15 | -- | -- | 19 |
| | 9/20/2002 | closed | -- | -- | -- | -- | -- |
| | 10/2/2002 | closed | -- | -- | -- | -- | -- |
| | 10/16/2002 | closed | 125 | 12 | 56 | 12 | 19 |
| | 1/8/2003 | open | >150 | 120 | -- | -- | 16 |
| | 1/13/2003 | open | >150 | 150 | 4.0 | 225 | 17 |
| | 1/22/2003 | open | >150 | -- | -- | -- | 17 |
| | 1/24/2003 | open | >150 | >150 | -- | -- | 17 |
| | 1/30/2003 | open | >150 | 140 | -- | -- | 17 |
| | 2/4/2003 | open | >150 | 135 | -- | -- | 17 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 17 |
| | 3/4/2003 | open | 150 | 105 | -- | -- | 17 |
| | 3/13/2003 | open | >150 | >150 | -- | -- | 18 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 18 |
| | 3/25/2003 | open | >150 | 120 | -- | -- | 18 |
| | 4/2/2003 | open | >150 | >150 | -- | -- | 18 |
| | 4/11/2003 | open | >150 | 105 | -- | -- | 18 |
| | 4/25/2003 | open | >150 | 85 | -- | -- | 18 |
| | 5/7/2003 | open | >150 | 110 | -- | -- | 18 |
| | 5/14/2003 | open | >150 | -- | -- | -- | 18 |
| | 5/22/2003 | open | 135 | -- | -- | -- | 18 |
| | 5/30/2003 | open | >150 | 125 | 5.3 | 40 | 18.5 |
| | 6/3/2003 | open | >150 | -- | -- | -- | 18.5 |
| | 6/13/2003 | open | 130 | -- | -- | -- | 18.5 |
| | 6/23/2003 | open | 120 | 24 | -- | -- | 18.5 |
| | 7/3/2003 | open | 135 | -- | -- | -- | 18.5 |
| | 7/11/2003 | open | 125 | -- | -- | -- | 19.5 |
| | 7/29/2003 | closed | -- | -- | -- | -- | -- |
| | 12/23/2003 | open | >150 | -- | -- | -- | 20 |
| | 1/6/2004 | open | >150 | -- | -- | -- | 19 |
| | 1/23/2004 | open | >150 | 120 | -- | -- | 14 |
| | 2/19/2004 | open | >150 | -- | -- | -- | 13 |
| | 3/18/2004 | open | >150 | 120 | 8.8 | 60 | 18 |
| | 4/12/2004 | open | >150 | 120 | -- | -- | 18 |
| | 5/6/2004 | open | >150 | 112 | -- | -- | 18 |
| | 5/17/2004 | closed | -- | -- | -- | -- | -- |
| | 7/1/2004 | closed | -- | -- | -- | -- | -- |
| RW-10 | 5/24/2000 | -- | -- | -- | -- | -- | -- |
| | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| | 11/29/2000 | -- | >100 | -- | -- | >10,000 | -- |
| | 3/29/2001 | open | 54 | -- | -- | 850 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | -- |
| | 4/26/2001 | open | 85 | -- | -- | -- | -- |
| | 5/3/2001 | open | 80 | -- | -- | -- | -- |
| | 5/23/2001 | open | 10 | -- | -- | -- | -- |
| | 6/4/2001 | open | 50 | -- | -- | -- | -- |
| | 6/21/2001 | open | 65 | -- | -- | -- | -- |
| | 7/2/2001 | open | 55 | -- | -- | -- | -- |
| | 7/16/2001 | open | 45 | -- | -- | -- | -- |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 1/17/2002 | closed | -- | -- | -- | -- | -- |
| | 2/14/2002 | open | 125 | -- | -- | -- | 20 |
| | 3/5/2002 | open | 115 | -- | -- | -- | 20 |
| | 3/11/2002 | open | -- | -- | -- | -- | 20 |
| | 3/25/2002 | closed | -- | -- | -- | -- | -- |
| 4/2/2002 | closed | -- | -- | -- | -- | -- | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) | |
|------------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|-------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | | |
| -->RW-10 | 5/6/2002 | open | 100 | 31 | -- | -- | 20 | |
| | 5/21/2002 | open | 105 | 70 | -- | -- | 20 | |
| | 6/19/2002 | open | 90 | 56 | -- | -- | 20 | |
| | 6/28/2002 | closed | -- | -- | -- | -- | -- | |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 | |
| | 8/26/2002 | closed | -- | -- | -- | -- | -- | |
| | 10/2/2002 | closed | -- | -- | -- | -- | -- | |
| | 10/16/2002 | closed | 125 | 38 | 48 | 18 | 19 | |
| | 1/8/2003 | closed | -- | -- | -- | -- | -- | |
| | 1/13/2003 | closed | >150 | 135 | 3.2 | 90 | 17 | |
| | 1/24/2003 | open | >150 | >150 | -- | -- | 16 | |
| | 1/30/2003 | open | >150 | >150 | -- | -- | 16 | |
| | 2/4/2003 | open | >150 | >150 | -- | -- | 16 | |
| | 2/12/2003 | open | 140 | -- | -- | -- | 16 | |
| | 3/4/2003 | open | 150 | 139 | -- | -- | 16 | |
| | 3/13/2003 | open | >150 | >150 | -- | -- | 16 | |
| | 3/17/2003 | open | >150 | -- | -- | -- | 16 | |
| | 3/25/2003 | open | >150 | >150 | -- | -- | 16 | |
| | 4/2/2003 | open | >150 | >150 | -- | -- | 16 | |
| | 4/11/2003 | open | >150 | 124 | -- | -- | 16 | |
| | 4/25/2003 | open | >150 | 85 | -- | -- | 16 | |
| | 5/7/2003 | open | >150 | 125 | -- | -- | 16 | |
| | 5/14/2003 | open | >150 | -- | -- | -- | 16 | |
| | 5/22/2003 | open | 135 | -- | -- | -- | 16 | |
| | 5/30/2003 | open | >150 | 45 | 54.5 | 5 | 16 | |
| | 6/3/2003 | closed | -- | -- | -- | -- | -- | |
| | 10/2/2004 | closed | -- | -- | -- | -- | -- | |
| | 1/6/2004 | closed | -- | -- | -- | -- | -- | |
| | 1/23/2004 | open | >150 | 131 | -- | -- | 14 | |
| | 2/19/2004 | open | >150 | -- | -- | -- | 13 | |
| | 3/18/2004 | open | >150 | 120 | 9.0 | 102 | 16 | |
| | 4/12/2004 | open | >150 | >150 | -- | -- | 16 | |
| | 4/29/2004 | open | >150 | -- | -- | -- | 17 | |
| | 5/6/2004 | open | >150 | 135 | -- | -- | 17 | |
| | 5/17/2004 | closed | -- | -- | -- | -- | -- | |
| | 7/1/2004 | closed | -- | -- | -- | -- | -- | |
| | RW-11 | 5/24/2000 | -- | 80 | -- | -- | -- | 11.65 |
| | | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| | | 11/29/2000 | -- | >100 | -- | -- | 2280 | -- |
| | | 3/29/2001 | open | 54 | -- | -- | 784 | -- |
| 4/14/2001 | | open | 100 | -- | -- | -- | -- | |
| 4/26/2001 | | open | 85 | -- | -- | -- | 15 | |
| 5/3/2001 | | open | 80 | -- | -- | -- | 15 | |
| 5/23/2001 | | open | 10 | -- | -- | -- | 15 | |
| 6/4/2001 | | open | 50 | -- | -- | -- | 20 | |
| 6/21/2001 | | open | 65 | -- | -- | -- | 15 | |
| 7/2/2001 | | open | 55 | -- | -- | -- | 15 | |
| 7/16/2001 | | open | 45 | -- | -- | -- | 16 | |
| 8/2/2001 | | open | 35 | -- | -- | -- | -- | |
| 8/10/2001 | | open | 20 | -- | -- | -- | -- | |
| 8/15/2001 | | open | 20 | -- | -- | -- | -- | |
| 8/27/2001 | | open | 65 | -- | -- | -- | -- | |
| 9/7/2001 | | closed | -- | -- | -- | -- | -- | |
| 10/3/2001 | | closed | -- | -- | -- | -- | -- | |
| 1/17/2002 | | closed | -- | -- | -- | -- | -- | |
| 4/2/2002 | | closed | -- | -- | -- | -- | -- | |
| 7/10/2002 | closed | -- | -- | -- | -- | -- | | |
| 10/2/2002 | closed | -- | -- | -- | -- | -- | | |
| 10/16/2002 | closed | 125 | 86 | 24 | 255 | 19 | | |
| 10/31/2002 | open | 150 | 62 | -- | -- | 19 | | |
| 11/6/2002 | open | 155 | 45 | -- | -- | 19 | | |
| 11/22/2002 | open | 145-160 | 77 | -- | -- | 19.5 | | |
| 12/5/2002 | open | 140 | 65 | -- | -- | 19.5 | | |
| 12/20/2002 | open | >150 | -- | -- | -- | 18 | | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger Vacuum (inches of H2O) | Well Annulus Vacuum (inches of H2O) | Flow Rate (cfm) | Hydrocarbon Vapor Concentration (ppmv) | Stinger Depth (ft below TOC) |
|-----------|------------|------------------------------|---|---|--------------------|---|---------------------------------|
| -->RW-11 | 1/8/2003 | open | >150 | 110 | -- | -- | 18 |
| | 1/13/2003 | open | >150 | 125 | 7.0 | 180 | 16 |
| | 1/22/2003 | open | >150 | -- | -- | -- | 17 |
| | 1/24/2003 | open | >150 | 155 | -- | -- | 17 |
| | 1/30/2003 | open | >150 | 150 | -- | -- | 17 |
| | 2/4/2003 | open | >150 | 142 | -- | -- | 17 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 17 |
| | 3/4/2003 | open | 150 | 106 | -- | -- | 17 |
| | 3/13/2003 | open | >150 | 155 | -- | -- | 17 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 17 |
| | 3/25/2003 | open | >150 | 115 | -- | -- | 17 |
| | 4/2/2003 | open | >150 | 148 | -- | -- | 17 |
| | 4/11/2003 | open | >150 | 97 | -- | -- | 17 |
| | 4/25/2003 | open | >150 | 90 | -- | -- | 20 |
| | 5/7/2003 | open | >150 | 140 | -- | -- | 20 |
| | 5/14/2003 | open | >150 | -- | -- | -- | 20 |
| | 5/22/2003 | open | 135 | -- | -- | -- | 20 |
| | 5/30/2003 | open | >150 | 82 | 6.5 | 26 | 17 |
| | 6/3/2003 | open | >150 | -- | -- | -- | 17 |
| | 6/13/2003 | open | 130 | -- | -- | -- | 17 |
| | 6/23/2003 | open | 120 | 55 | -- | -- | 17 |
| | 7/3/2003 | open | 135 | -- | -- | -- | 17 |
| | 7/11/2003 | open | -- | -- | -- | -- | 18 |
| | 8/7/2003 | open | 145 | 44 | -- | -- | 18 |
| | 8/15/2004 | closed | -- | -- | -- | -- | -- |
| | 1/6/2004 | open | >150 | -- | -- | -- | 12 |
| | 1/23/2004 | open | >150 | >150 | -- | -- | 12 |
| | 3/18/2004 | open | >150 | 120 | 7.5 | 33 | 16 |
| | 4/12/2004 | open | >150 | 130 | -- | -- | 16 |
| | 5/6/2004 | open | >150 | 130 | -- | -- | 19 |
| | 5/17/2004 | open | >150 | -- | -- | -- | 18 |
| | 5/27/2004 | open | >150 | 120 | -- | -- | 20 |
| | 6/10/2004 | closed | -- | -- | -- | -- | -- |
| RW-12 | 5/24/2000 | -- | -- | -- | -- | -- | -- |
| | 10/6/2000 | -- | -- | -- | -- | -- | -- |
| | 11/29/2000 | open | >100 | -- | -- | 24 | -- |
| | 3/29/2000 | open | 54 | -- | -- | 72 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | -- |
| | 4/26/2001 | open | 85 | -- | -- | -- | 15 |
| | 5/3/2001 | open | 80 | -- | -- | -- | 15 |
| | 5/23/2001 | open | 10 | -- | -- | -- | 15 |
| | 6/4/2001 | open | 50 | -- | -- | -- | 15 |
| | 6/21/2001 | open | 65 | -- | -- | -- | 15 |
| | 7/2/2001 | open | 55 | -- | -- | -- | 15 |
| | 7/16/2001 | open | 45 | -- | -- | -- | 16 |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 1/17/2002 | closed | -- | -- | -- | -- | -- |
| | 3/25/2002 | open | 130 | -- | -- | -- | 16 |
| | 4/2/2002 | open | 130 | -- | -- | -- | 16 |
| | 4/5/2002 | open | 135 | 97 | -- | -- | 16 |
| | 4/19/2002 | open | 130 | 75 | -- | -- | 18 |
| | 5/6/2002 | closed | -- | -- | -- | -- | -- |
| | 6/28/2002 | open | 95 | 16 | -- | -- | 20 |
| | 7/10/2002 | open | 97 | 5 | -- | -- | 20 |
| | 7/26/2002 | open | 92 | 5 | -- | -- | 20 |
| | 8/6/2002 | open | -- | -- | -- | -- | 19 |
| 8/26/2002 | open | 95 | 6 | -- | -- | 19 | |
| 9/16/2002 | open | 105 | -- | -- | -- | 19 | |
| 9/20/2002 | open | 85 | 6 | -- | -- | 19 | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| -->RW-12 | 10/2/2002 | open | 75 | 4 | -- | -- | 19 |
| | 10/11/2002 | open | 110 | 4 | -- | -- | 19 |
| | 10/16/2002 | closed | 125 | 1 | 20 | 75 | 19 |
| | 1/8/2003 | closed | -- | -- | -- | -- | -- |
| | 1/13/2003 | closed | >150 | 115 | 4.5 | 20 | 17 |
| | 1/30/2003 | open | >150 | 145 | -- | -- | 17 |
| | 2/4/2003 | open | >150 | 135 | -- | -- | 17 |
| | 2/12/2003 | open | 140 | -- | -- | -- | 17 |
| | 3/4/2003 | open | 150 | 115 | -- | -- | 17 |
| | 3/13/2003 | open | >150 | >150 | -- | -- | 17 |
| | 3/17/2003 | open | >150 | -- | -- | -- | 17 |
| | 3/25/2003 | open | >150 | 150 | -- | -- | 17 |
| | 4/2/2003 | open | >150 | >150 | -- | -- | 17 |
| | 4/11/2003 | open | >150 | 74 | -- | -- | 17 |
| | 4/25/2003 | open | >150 | 20 | -- | -- | 17 |
| | 5/7/2003 | open | >150 | 115 | -- | -- | 17 |
| | 5/14/2003 | open | >150 | -- | -- | -- | 17 |
| | 5/22/2003 | open | >150 | -- | -- | -- | 17 |
| | 5/30/2003 | open | >150 | 10 | 43 | 4 | 17.5 |
| | 6/3/2003 | closed | -- | -- | -- | -- | -- |
| | 7/3/2003 | closed | -- | -- | -- | -- | -- |
| | 10/2/2003 | closed | -- | -- | -- | -- | -- |
| | 1/6/2004 | closed | -- | -- | -- | -- | -- |
| | 1/23/2004 | open | >150 | >150 | -- | -- | 13 |
| | 3/18/2004 | open | >150 | 130 | 7.2 | 31 | 17 |
| | 4/12/2004 | open | >150 | 130 | -- | -- | 17 |
| | 4/29/2004 | open | >150 | -- | -- | -- | 18 |
| | 5/6/2004 | open | >150 | 130 | -- | -- | 19 |
| | 5/17/2004 | closed | -- | -- | -- | -- | -- |
| | 7/1/2004 | closed | -- | -- | -- | -- | -- |
| | RW-13 | 5/24/2000 | -- | 80 | -- | -- | -- |
| 10/6/2000 | | -- | -- | -- | -- | -- | -- |
| 11/29/2000 | | -- | >100 | -- | -- | 77 | -- |
| 3/29/2001 | | open | 54 | -- | -- | 124 | -- |
| 4/14/2001 | | open | 100 | -- | -- | -- | -- |
| 4/26/2001 | | open | 85 | -- | -- | -- | -- |
| 5/3/2001 | | open | 80 | -- | -- | -- | -- |
| 5/23/2001 | | open | 10 | -- | -- | -- | -- |
| 6/4/2001 | | open | 50 | -- | -- | -- | -- |
| 6/21/2001 | | open | 65 | -- | -- | -- | -- |
| 7/2/2001 | | open | 55 | -- | -- | -- | -- |
| 7/16/2001 | | open | 45 | -- | -- | -- | -- |
| 8/2/2001 | | open | 35 | -- | -- | -- | -- |
| 8/10/2001 | | open | 20 | -- | -- | -- | -- |
| 8/15/2001 | | open | 20 | -- | -- | -- | -- |
| 8/27/2001 | | open | 65 | -- | -- | -- | -- |
| 9/7/2001 | | closed | -- | -- | -- | -- | -- |
| 10/3/2001 | | closed | -- | -- | -- | -- | -- |
| 1/17/2002 | | closed | -- | -- | -- | -- | -- |
| 2/14/2002 | | open | 125 | -- | -- | -- | 20 |
| 3/5/2002 | | open | 115 | -- | -- | -- | 20 |
| 3/11/2002 | | open | -- | -- | -- | -- | 16 |
| 3/25/2002 | | closed | -- | -- | -- | -- | -- |
| 4/2/2002 | | closed | -- | -- | -- | -- | -- |
| 7/10/2002 | | closed | -- | -- | -- | -- | -- |
| 10/2/2002 | | closed | -- | -- | -- | -- | -- |
| 10/16/2002 | | closed | 125 | 29 | 41 | 7 | 21.5 |
| 1/8/2003 | | closed | -- | -- | -- | -- | -- |
| 1/13/2003 | | closed | >150 | 110 | 8.0 | 2 | 16 |
| 4/2/2003 | | closed | -- | -- | -- | -- | -- |
| 7/3/2003 | | closed | -- | -- | -- | -- | -- |
| 10/2/2003 | closed | -- | -- | -- | -- | -- | |
| 1/6/2004 | closed | -- | -- | -- | -- | -- | |
| 3/31/2004 | closed | -- | -- | -- | -- | -- | |

CAMBRIA

Table 4. TPE Well Parameters - Former Exxon Service Station, 3055 35th Avenue, Oakland, California

| Well ID | Date | Well Status (open/closed) | System/Stinger | Well Annulus | Flow Rate (cfm) | Hydrocarbon | Stinger Depth (ft below TOC) |
|------------|------------|------------------------------|---------------------------|---------------------------|--------------------|----------------------------------|---------------------------------|
| | | | Vacuum (inches of H2O) | Vacuum (inches of H2O) | | Vapor Concentration (ppmv) | |
| -->RW-13 | 7/1/2004 | closed | -- | -- | -- | -- | -- |
| RW-14 | 5/24/2000 | -- | 80 | -- | -- | -- | 12.33 |
| | 10/6/2000 | -- | 100 | -- | -- | -- | -- |
| | 11/29/2000 | -- | >100 | -- | -- | 5830 | -- |
| | 3/29/2001 | open | 54 | -- | -- | 120 | -- |
| | 4/14/2001 | open | 100 | -- | -- | -- | -- |
| | 4/26/2001 | open | 85 | -- | -- | -- | -- |
| | 5/3/2001 | open | 80 | -- | -- | -- | -- |
| | 5/23/2001 | open | 10 | -- | -- | -- | -- |
| | 6/4/2001 | open | 50 | -- | -- | -- | -- |
| | 6/21/2001 | open | 65 | -- | -- | -- | -- |
| | 7/2/2001 | open | 55 | -- | -- | -- | -- |
| | 7/16/2001 | open | 45 | -- | -- | -- | -- |
| | 8/2/2001 | open | 35 | -- | -- | -- | -- |
| | 8/10/2001 | open | 20 | -- | -- | -- | -- |
| | 8/15/2001 | open | 20 | -- | -- | -- | -- |
| | 8/27/2001 | open | 65 | -- | -- | -- | -- |
| | 9/7/2001 | closed | -- | -- | -- | -- | -- |
| | 10/3/2001 | closed | -- | -- | -- | -- | -- |
| | 1/17/2002 | closed | -- | -- | -- | -- | -- |
| | 2/14/2002 | open | 125 | -- | -- | -- | 20 |
| | 3/5/2002 | open | 115 | -- | -- | -- | 20 |
| | 3/11/2002 | closed | -- | -- | -- | -- | -- |
| | 4/2/2002 | closed | -- | -- | -- | -- | -- |
| | 7/10/2002 | closed | -- | -- | -- | -- | -- |
| | 10/2/2002 | closed | -- | -- | -- | -- | -- |
| | 10/16/2002 | open | 125 | 80 | 14 | 535 | 19 |
| | 10/31/2002 | open | 150 | 18 | -- | -- | 19 |
| | 11/6/2002 | closed | -- | -- | -- | -- | -- |
| | 1/8/2003 | open | >150 | 140 | -- | -- | 14 |
| | 1/13/2003 | closed | >150 | 90 | 7.0 | 35 | 16 |
| | 4/2/2003 | closed | -- | -- | -- | -- | -- |
| | 5/30/2003 | open | >150 | 78 | 5.5 | 55 | 17.5 |
| | 6/3/2003 | open | >150 | -- | -- | -- | 17.5 |
| 6/13/2003 | open | 130 | -- | -- | -- | 18 | |
| 6/23/2003 | open | 120 | 58 | -- | -- | 18 | |
| 7/3/2003 | open | 135 | -- | -- | -- | 17.5 | |
| 7/11/2003 | open | 125 | -- | -- | -- | 19 | |
| 8/7/2003 | open | 145 | 55 | -- | -- | 19 | |
| 8/15/2003 | open | 130 | 30 | -- | -- | 19 | |
| 8/26/2003 | closed | -- | -- | -- | -- | -- | |
| 12/23/2003 | open | >150 | -- | -- | -- | 20 | |
| 1/16/2004 | open | >150 | -- | -- | -- | 15 | |
| 1/23/2004 | open | >150 | 110 | -- | -- | 14 | |
| 3/18/2004 | open | >150 | 105 | 9.5 | 30 | 16.5 | |
| 4/12/2004 | open | >150 | 140 | -- | -- | 16.5 | |
| 5/6/2004 | closed | -- | -- | -- | -- | -- | |
| 7/1/2004 | closed | -- | -- | -- | -- | -- | |

Notes:

-- = Data not available or not collected

C A M B R I A



APPENDIX A

Groundwater Monitoring Field Data Sheets

Groundwater Monitoring Field Sheet

| Well ID | Time | DTP | DTW | Depth to Bottom | Product Thickness | Amount of Product Removed | Casing Diam. | Comments |
|---------|-------|-----|-------|-----------------|-------------------|---------------------------|--------------|----------|
| MW-1 | 10:08 | | 19.20 | | | | | |
| MW-2 | 10:10 | | 18.15 | | | | | |
| MW-3 | 10:13 | | 15.40 | | | | | |
| MW-4 | 10:15 | | 16.02 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Project Name: Northington

Project Number/Task: 130-0105/353

Technician: SG

Date: 6-16-04

Groundwater Monitoring Field Sheet

| Well ID | Time | DTP | DTW | Depth to Bottom | Product Thickness | Amount of Product Removed | Casing Diam. | Comments |
|---------|-------|-----|-------|-----------------|-------------------|---------------------------|--------------|----------|
| RW-5 | 10:40 | | 14.73 | | | | | |
| RW-6 | 10:45 | | 14.80 | | | | | |
| RW-7 | 10:38 | | 15.22 | | | | | |
| RW-8 | 10:32 | | 16.41 | | | | | |
| RW-9 | 10:30 | | 16.03 | | | | | |
| RW-10 | 10:28 | | 15.03 | | | | | |
| RW-11 | 10:34 | | 14.75 | | | | | |
| RW-12 | 10:36 | | 15.30 | | | | | |
| RW-13 | 10:25 | | 15.83 | | | | | |
| RW-14 | 10:20 | | 15.41 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Project Name: WorthingtonProject Number/Task: 130-01051Technician: J. HillDate: 6-16-04

WELL SAMPLING FORM

| | | |
|---|--|-----------------------------|
| Project Name: <u>Northington</u> | Cambria Mgr: <u>RAS</u> | Well ID: <u>MW-1</u> |
| Project Number: <u>130-0105</u> | Date: <u>6-16-04</u> | Well Yield: |
| Site Address: <u>3055 35th St.</u> <u>Oakland, Ca</u> | Sampling Method: <u>Disposable Bailer</u> | Well Diameter: <u>1 pvc</u> |
| | | Technician(s): <u>SA</u> |
| Initial Depth to Water: <u>19.20</u> | Total Well Depth: | Water Column Height: |
| Volume/ft: | 1 Casing Volume: | 3 Casing Volumes: |
| Purging Device: <u>Remediation System</u> | Did Well Dewater?: | Total Gallons Purged: |
| Start Purge Time: | Stop Purge Time: | Total Time: |

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 |
|------|---------------|------------|----|------------|---------------------------|
| | | | | | <u>purged for 15 mins</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|----------------|--------------|----------------------------|--------------|--|---------------------------------|
| <u>MW-1</u> | <u>6-16-04</u> | <u>11:30</u> | <u>3VOA</u> <u>1Amb</u> | <u>HCl</u> | <u>TPH_g BTEX MTBE</u> <u>TPM_d</u> | <u>8015/8020</u> <u>8260</u> |
| | | | | | | |
| | | | | | | |
| | | | | | | |

WELL SAMPLING FORM

| | | |
|---|---|-----------------------------|
| Project Name: <u>Westhington</u> | Cambria Mgr: <u>RAS</u> | Well ID: <u>MW-2</u> |
| Project Number: <u>130-0105</u> | Date: <u>6-16-04</u> | Well Yield: |
| Site Address: <u>3055 35th St.</u> <u>Oakland, Ca</u> | Sampling Method: <u>Disposable Bailers</u> | Well Diameter: <u>4 pvc</u> |
| | | Technician(s): <u>SG</u> |
| Initial Depth to Water: <u>18.15</u> | Total Well Depth: | Water Column Height: |
| Volume/ft: | 1 Casing Volume: | 3 Casing Volumes: |
| Purging Device: <u>Remediation System</u> | Did Well Dewater?: | Total Gallons Purged: |
| Start Purge Time: | Stop Purge Time: | Total Time: |

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 |
|------|---------------|------------|----|------------|----------------------------|
| | | | | | <u>purged for 15 mins.</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|----------------|--------------|-----------------------------|--------------|---------------------------------------|---------------------------------|
| <u>MW-2</u> | <u>6-16-04</u> | <u>11:40</u> | <u>3000</u> <u>1 Amb</u> | <u>HCl</u> | <u>TPH, BTEX, MTBE</u> <u>TPHd</u> | <u>8015/8020</u> <u>8260</u> |
| | | | | | | |
| | | | | | | |
| | | | | | | |

WELL SAMPLING FORM

| | | |
|--|--|------------------------------|
| Project Name: <u>Northington</u> | Cambria Mgr: <u>RAS</u> | Well ID: <u>MW-3</u> |
| Project Number: <u>130-0105</u> | Date: <u>6-16-04</u> | Well Yield: |
| Site Address: <u>3055 35th St. Oakland, Ca</u> | Sampling Method: <u>Disposable Bailer</u> | Well Diameter: <u>4" pvc</u> |
| | | Technician(s): <u>Sh</u> |
| Initial Depth to Water: <u>15.40</u> | Total Well Depth: | Water Column Height: |
| Volume/ft: | 1 Casing Volume: | 3 Casing Volumes: |
| Purging Device: <u>Remediation System</u> | Did Well Dewater?: | Total Gallons Purged: |
| Start Purge Time: | Stop Purge Time: | Total Time: |

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 |
|------|---------------|------------|----|------------|---------------------------|
| | | | | | <u>purged for 15 mins</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|----------------|--------------|----------------------|--------------|--|---------------------------|
| <u>MW-3</u> | <u>6-16-04</u> | <u>11:50</u> | <u>3VOA 1Amb</u> | <u>HCl</u> | <u>TPH_g BTEX MTBE TPM_d</u> | <u>8015/8020 8260</u> |
| | | | | | | |
| | | | | | | |
| | | | | | | |

WELL SAMPLING FORM

| | | |
|--|--|-----------------------------|
| Project Name: <u>Washington</u> | Cambria Mgr: <u>RAS</u> | Well ID: <u>MW-4</u> |
| Project Number: <u>130-0105</u> | Date: <u>6-16-04</u> | Well Yield: |
| Site Address: <u>3055 35th St. Oakland, Ca</u> | Sampling Method: <u>Disposable Bailer</u> | Well Diameter: <u>4 pvc</u> |
| | | Technician(s): <u>Sh</u> |
| Initial Depth to Water: <u>16.02</u> | Total Well Depth: | Water Column Height: |
| Volume/ft: | 1 Casing Volume: | 3 Casing Volumes: |
| Purging Device: <u>Remediation System</u> | Did Well Dewater?: | Total Gallons Purged: |
| Start Purge Time: | Stop Purge Time: | Total Time: |

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 |
|------|---------------|------------|----|------------|----------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

| Sample ID | Date | Time | Container Type | Preservative | Analytes | Analytic Method |
|-------------|----------------|--------------|----------------------|--------------|--|---------------------------|
| <u>MW-4</u> | <u>6-16-04</u> | <u>12:00</u> | <u>3VOA 1Amb</u> | <u>HCl</u> | <u>TPH_g BTEX MTBE TPM_d</u> | <u>8015/8020 8260</u> |
| | | | | | | |
| | | | | | | |
| | | | | | | |

APPENDIX B

Analytical Results for Groundwater Sampling



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: 06/16/04 |
| | | Date Received: 06/17/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 06/23/04 |
| | Client P.O.: | Date Completed: 06/23/04 |

WorkOrder: 0406302

June 23, 2004

Dear Gretchen:

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



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: 06/16/04 |
| | Client Contact: Gretchen Hellmann | Date Received: 06/17/04 |
| | Client P.O.: | Date Analyzed: 06/19/04-06/22/04 |
| | | Date Extracted: 06/19/04-06/22/04 |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0406302

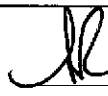
| Lab ID | Client ID | Matrix | TPH(g) | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS |
|--------|-----------|--------|----------|---------|---------|---------|--------------|---------|-----|------|
| 001A | MW-1 | W | 8100,a | ND<100 | 1500 | 69 | 22 | 1000 | 20 | 106 |
| 002A | MW-2 | W | 15,000,a | 2000 | 800 | 210 | 290 | 1800 | 100 | 100 |
| 003A | MW-3 | W | 23,000,a | ND<1000 | 2100 | 1300 | 360 | 2800 | 100 | 107 |
| 004A | MW-4 | W | 9100,a | ND<50 | 940 | 96 | 120 | 800 | 10 | 93.2 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|--|---|----|-----|-----|-----|-----|-----|-----|---|-------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | W | 50 | 5.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | µg/L |
| | S | NA | NA | NA | NA | NA | NA | NA | 1 | mg/Kg |

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

 Angela Rydelius, Lab Manager



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: 06/16/04 |
| | Client Contact: Gretchen Hellmann | Date Received: 06/17/04 |
| | Client P.O.: | Date Analyzed: 06/22/04-06/23/04 |
| | | Date Extracted: 06/17/04 |

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C

Analytical methods: SW8015C

Work Order: 0406302


| Lab ID | Client ID | Matrix | TPH(d) | DF | % SS |
|--------------|-----------|--------|----------|----|------|
| 0406302-001B | MW-1 | W | 2300,d,b | 5 | 102 |
| 0406302-002B | MW-2 | W | 9800,d,b | 10 | 113 |
| 0406302-003B | MW-3 | W | 8800,d,b | 10 | 118 |
| 0406302-004B | MW-4 | W | 3400,d,b | 5 | 110 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | |
|--|---|----|------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | W | 50 | µg/L |
| | S | NA | NA |

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

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0406302

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 12014 | | | Spiked Sample ID: 0406306-002A | | | |
|----------------------------|--------|---------------------|--------|----------------|---------|--------|--------------------------------|----------|-------------------------|------|
| | 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(btex) [£] | ND | 60 | 98.4 | 97.2 | 1.24 | 98.1 | 98.2 | 0.161 | 70 | 130 |
| MTBE | ND | 10 | 109 | 106 | 2.71 | 106 | 111 | 4.34 | 70 | 130 |
| Benzene | ND | 10 | 117 | 115 | 2.32 | 107 | 111 | 3.29 | 70 | 130 |
| Toluene | ND | 10 | 111 | 108 | 2.44 | 106 | 108 | 2.25 | 70 | 130 |
| Ethylbenzene | ND | 10 | 115 | 112 | 2.85 | 108 | 109 | 1.44 | 70 | 130 |
| Xylenes | ND | 30 | 100 | 96.3 | 3.74 | 95.7 | 96 | 0.348 | 70 | 130 |
| %SS: | 96.1 | 10 | 107 | 109 | 1.76 | 103 | 106 | 3.17 | 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 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.

£ 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.



QC SUMMARY REPORT FOR SW8015C

Matrix: W

WorkOrder: 0406302

| EPA Method: SW8015C | | Extraction: SW3510C | | | BatchID: 12015 | | | Spiked Sample ID: N/A | | |
|---------------------|--------|---------------------|--------|--------|----------------|--------|--------|-----------------------|-------------------------|------|
| | 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(d) | N/A | 7500 | N/A | N/A | N/A | 94.3 | 96.9 | 2.77 | 70 | 130 |
| %SS: | N/A | 2500 | N/A | N/A | N/A | 102 | 107 | 4.75 | 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 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.

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

McCampbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD



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

WorkOrder: 0406302

ClientID: CETE

Report to:

Gretchen Hellmann
 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: 6/17/04

Date Printed: 6/17/04

| 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 | |
| 0406302-001 | MW-1 | Water | 6/16/04 11:30:00 | <input type="checkbox"/> | A | A | B | | | | | | | | | | | | | |
| 0406302-002 | MW-2 | Water | 6/16/04 11:40:00 | <input type="checkbox"/> | A | | B | | | | | | | | | | | | | |
| 0406302-003 | MW-3 | Water | 6/16/04 11:50:00 | <input type="checkbox"/> | A | | B | | | | | | | | | | | | | |
| 0406302-004 | MW-4 | Water | 6/16/04 12:00:00 | <input type="checkbox"/> | A | | B | | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|----------|----|--------------|----|----------|----|--|----|--|
| 1 | G-MBTX_W | 2 | PREDF REPORT | 3 | TPH(D)_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.

cel

0406302

McCAMPBELL ANALYTICAL, INC.
 110 2nd AVENUE SOUTH, #D7
 PACHECO, CA 94553-5560
 Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD
 TURN AROUND TIME:
 RUSH 24 HOUR 48 HOUR 5 DAY
 EDF Required? Yes No

Report To: Gretchen Hellmann Bill To: SAME
 Company: Cambria Environmental Technology, Inc.
 5900 Hollis Street Suite A
 Emeryville, CA 94608 E-mail: ghellmann@cambria-env.com
 Tele: 510 420-3305 Fax: 510 420-9170
 Project #: 130-0105- Project Name: WORTHINGTON
 Project Location: 3055 35th Avenue, Oakland, California
 Sampler Signature: *[Signature]*

| Analysis Request | | | | | | | | | | | | | Other | Comments | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|----------|----------|-------|--------------|-----------------|--------|------|-----|--------|-------|------------------|-----|---|----------|--|---|--------------------------------------|----------------|----------------------------|----------------|---------------------------|-----------------------|----------------|--|---------------|---------------|-----------------------------|-----|--|--|--|--|--|--|
| SAMPLE ID (Field Point Name) | LOCATION | SAMPLING | | # Containers | Type Containers | MATRIX | | | | | METHOD PRESERVED | | | | BTEX & TPH as Gas (602/8020 + 8015)/MTBE TPH as Diesel (8015) | Total Petroleum Oil & Grease (5520 E&F/P&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 | | | | | | |
| | | Date | Time | | | Water | Soil | Air | Sludge | Other | Ice | HCl | HNO ₃ | Other | | | | | | | | | | | | | | | | | | | | |
| MW-1 | | 6-16-04 | 11:30 | 4 | | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | 3 Voa's w/HCl, 1 non-preserved Amber |
| MW-2 | | | 11:40 | 4 | | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | 3 Voa's w/HCl, 1 non-preserved Amber |
| MW-3 | | | 11:50 | 4 | | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | 3 Voa's w/HCl, 1 non-preserved Amber |
| MW-4 | | | 12:00 | 4 | | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | 3 Voa's w/HCl, 1 non-preserved Amber |
| | | | | | | | | | | | | | ICM <input checked="" type="checkbox"/> GOOD CONDITION <input checked="" type="checkbox"/> HEAD SPACE ABSENT <input checked="" type="checkbox"/> DECHLORINATED IN LAB <input checked="" type="checkbox"/> PRESERVATION <input checked="" type="checkbox"/> VOA'S O&G METALS OTHER | | | | | | | | | | | | | | | | | | | | | |

#

| | | | |
|-------------------------------------|---------------|-------------|---------------------------------|
| Relinquished By: <i>[Signature]</i> | Date: 6/17/04 | Time: 8:30 | Received By: Secure location |
| Relinquished By: <i>[Signature]</i> | Date: 6/17/04 | Time: 11:50 | Received By: <i>[Signature]</i> |
| Relinquished By: <i>[Signature]</i> | Date: 6/17 | Time: 1pm | Received By: <i>[Signature]</i> |

Remarks:
 Please email results.

APPENDIX C

Analytical Results for TPE System Operation



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: #130-0105-356; WORTHINGTON | Date Sampled: 04/12/04 |
| | | Date Received: 04/13/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 04/19/04 |
| | Client P.O.: | Date Completed: 04/19/04 |

WorkOrder: 0404171

April 19, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 2 analyzed samples from your #130-0105-356; 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



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: #130-0105-356; WORTHINGTON | Date Sampled: 04/12/04 |
| | Client Contact: Gretchen Hellmann | Date Received: 04/13/04 |
| | Client P.O.: | Date Analyzed: 04/15/04 |
| | | Date Extracted: 04/15/04 |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0404171

| Lab ID | Client ID | Matrix | TPH(g) | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS |
|--------|-----------|--------|--------|------|---------|---------|--------------|---------|----|------|
| 001A | INF | W | 67,a | --- | 4.6 | 1.5 | 0.58 | 11 | 1 | 107 |
| 002A | EFF-1 | W | ND | --- | ND | ND | ND | ND | 1 | 98.3 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |


| | | | | | | | | | |
|--|---|----|-----|-----|-----|-----|-----|---|-------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | W | 50 | 5.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | µg/L |
| | S | NA | NA | NA | NA | NA | NA | 1 | mg/Kg |

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0404171

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 11098 | | Spiked Sample ID: 0404167-003A | | | | |
|----------------------------|--------|---------------------|--------|----------------|---------|--------------------------------|--------|----------|-------------------------|------|
| | 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(btex) [£] | ND | 60 | 103 | 102 | 0.771 | 97.7 | 99.2 | 1.54 | 70 | 130 |
| MTBE | ND | 10 | 104 | 100 | 3.64 | 88.2 | 94.9 | 7.34 | 70 | 130 |
| Benzene | ND | 10 | 116 | 112 | 3.99 | 109 | 117 | 6.30 | 70 | 130 |
| Toluene | ND | 10 | 109 | 107 | 1.33 | 107 | 112 | 4.32 | 70 | 130 |
| Ethylbenzene | ND | 10 | 113 | 112 | 0.851 | 112 | 117 | 4.65 | 70 | 130 |
| Xylenes | ND | 30 | 103 | 100 | 3.28 | 100 | 107 | 6.45 | 70 | 130 |
| %SS: | 98.9 | 10 | 106 | 104 | 2.52 | 103 | 106 | 2.80 | 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 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

cele

040471

McCAMPBELL ANALYTICAL INC.
 110 2nd AVENUE SOUTH, #D7
 PACHECO, CA 94553-5560
 Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD
 TURN AROUND TIME:
 RUSH 24 HOUR 48 HOUR 5 DAY
 EDF Required? Yes No

Report To: Gretchen Hellmann Bill To: SAME
 Company: Cambria Environmental Technology, Inc.
 5900 Hollis Street Suite A
 Emeryville, CA 94608 E-mail: ghellmann@cambria-env.com
 Tele: 510 420-3305 Fax: 510 420-9170
 Project #: 130-0105-356 Project Name: WORTHINGTON
 Project Location: 3055 35th Avenue, Oakland, California
 Sampler Signature: *[Signature]*

| Analysis Request | | | | | | | | | | Other | Comments | | | | | |
|-------------------------------------|----------------------|---|--------------------------------------|----------------|----------------------------|----------------|---------------------------|-----------------------|----------------|--|---------------|---------------|-----------------------------|-----|--|--|
| BTEX & TPH as Gas (602/8020 + 8015) | TPH as Diesel (8015) | 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 | | |
| INF | System | 4/12/04 | 2:30 | 3 | V | X | | | | | X | X | | | | |
| EFF-1 | System | 4/12/04 | 3:30 | 3 | V | X | | | | | X | X | | | | |
| EFF-2 | System | | | 3 | V | X | | | | | X | X | | | | |
| | | | | | | | | | | | | | | | | |

ICE/CAP
 GOOD CONDITION
 HEAD SPACE ABSENT
 DECHLORINATED IN LAB
 PRESERVATION
 VOAS C&G METALS OTHER

Relinquished By: *T. Fulmer* Date: *4/12/04* Time: Received By: *Secure Location*
 Relinquished By: *[Signature]* Date: *4/12/04* Time: *2:25* Received By: *[Signature]*
 Relinquished By: *[Signature]* Date: Time: Received By:

Remarks: DO NOT ANALYZE OR REPORT RESULTS FOR MTBE
 Only analyze EFF-2 if TPHlg or BTEX is detected in EFF-1
 Please email results.



McC Campbell Analytical, Inc.

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

| | | |
|--|--|--------------------------|
| Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608 | Client Project ID: #130-0105-356; WORTHINGTON | Date Sampled: 04/12/04 |
| | | Date Received: 04/13/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 04/19/04 |
| | Client P.O.: | Date Completed: 04/19/04 |

WorkOrder: 0404166

April 19, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 2 analyzed samples from your #130-0105-356; 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



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: #130-0105-356; WORTHINGTON | Date Sampled: 04/12/04 |
| | Client Contact: Gretchen Hellmann | Date Received: 04/13/04 |
| | Client P.O.: | Date Analyzed: 04/14/04-04/15/04 |
| | | Date Extracted: 04/14/04-04/15/04 |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with MTBE and BTEX in ppmv*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0404166

| Lab ID | Client ID | Matrix | TPH(g) | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS |
|--------|-----------|--------|--------|--------|---------|---------|--------------|---------|----|------|
| 001A | INF | A | 630,a | ND<6.0 | 5.6 | 2.4 | 0.50 | 5.7 | 2 | 97.9 |
| 002A | EFF | A | ND | ND | ND | ND | ND | ND | 1 | 108 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |


ppm (mg/L) to ppmv (ul/L) conversion for TPH(g) assumes the molecular weight of gasoline to be equal to that of hexane.

| | | | | | | | | | | |
|--|---|----|-----|------|------|------|------|------|---|-------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | A | 10 | 1.5 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 1 | uL/L |
| | S | NA | NA | NA | NA | NA | NA | NA | 1 | mg/Kg |

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: A

WorkOrder: 0404166

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 11098 | | | Spiked Sample ID: N/A | | | |
|----------------------------|--------|---------------------|--------|----------------|---------|--------|-----------------------|----------|-------------------------|------|
| | Sample | Spiked | MS* | MSD* | MS-MSD* | LCS | LCSD | LCS-LCSD | Acceptance Criteria (%) | |
| | uL/L | uL/L | % Rec. | % Rec. | % RPD | % Rec. | % Rec. | % RPD | Low | High |
| TPH(btex) [£] | N/A | 60 | N/A | N/A | N/A | 97.7 | 99.2 | 1.54 | 70 | 130 |
| MTBE | N/A | 10 | N/A | N/A | N/A | 88.2 | 94.9 | 7.34 | 70 | 130 |
| Benzene | N/A | 10 | N/A | N/A | N/A | 109 | 117 | 6.30 | 70 | 130 |
| Toluene | N/A | 10 | N/A | N/A | N/A | 107 | 112 | 4.32 | 70 | 130 |
| Ethylbenzene | N/A | 10 | N/A | N/A | N/A | 112 | 117 | 4.65 | 70 | 130 |
| Xylenes | N/A | 30 | N/A | N/A | N/A | 100 | 107 | 6.45 | 70 | 130 |
| %SS: | N/A | 10 | N/A | N/A | N/A | 103 | 106 | 2.80 | 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).

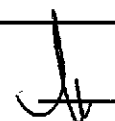
* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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: 0404166

| | | | |
|-------------------------|---------------------------------------|-------------------------|-------------------------------|
| Report to: | | Bill to: | Requested TAT: |
| Gretchen Hellmann | TEL: (510) 420-0700 | Accounts Payable | 5 days |
| Cambria Env. Technology | FAX: (510) 420-9170 | Cambria Env. Technology | |
| 5900 Hollis St, Suite A | ProjectNo: #130-0105-356; WORTHINGTON | 5900 Hollis St, Ste. A | <i>Date Received:</i> 4/13/04 |
| Emeryville, CA 94608 | PO: | Emeryville, CA 94608 | <i>Date Printed:</i> 4/13/04 |

| 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 | |
| 0404166-001 | INF | Air | 4/12/04 2:30:00 PM | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |
| 0404166-002 | EFF | Air | 4/13/04 2:30:00 PM | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|--------------|----|--|----|--|----|--|----|--|
| 1 | G-MBTEX_PPMV | 2 | | 3 | | 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.

celle

0404106

McCAMPBELL ANALYTICAL INC.
 110 2nd AVENUE SOUTH, #D7
 PACHECO, CA 94553-5560
 Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD
 TURN AROUND TIME:
 RUSH 24 HOUR 48 HOUR 5 DAY
 EDF Required? Yes No

Report To: Gretchen Hellmann Bill To: SAME
 Company: Cambria Environmental Technology, Inc.
 5900 Hollis Street Suite A
 Emeryville, CA 94608 E-mail: ghellmann@cambria-env.com
 Tele: 510 420-3305 Fax: 510 420-9170
 Project #: 130-0105-356 Project Name: WORTHINGTON
 Project Location: 3055 35th Avenue, Oakland, California
 Sampler Signature: *[Signature]*

| Analysis Request | | | | | | | | | | Other | Comments | | | | | |
|--|----------------------|---|--------------------------------------|----------------|----------------------------|----------------|---------------------------|-----------------------|----------------|--|---------------|---------------|-----------------------------|-----|--|--|
| BTEX & TPH as Gas (602/8020 + 8015) / MTBE | TPH as Diesel (8015) | 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 | | |
| INF | System | 4/12/04 | 2:30 | 1 | Tb | | X | | | | | | | | | |
| EFF | System | 4/12/04 | 2:30 | 1 | Tb | | X | | | | | | | | | |

Relinquished By: *T. Fulmer* Date: *4/12/04* Time: Received By: *Secure Location*

Relinquished By: *[Signature]* Date: *4/13/04* Time: *2:20* Received By: *[Signature]*

Relinquished By: *[Signature]* Date: *4/13/04* Time: *5pm* Received By: *[Signature]*

Remarks: Report in ppm(v). Reporting limit is 10 ppm(v)
 Use 20 mL injection volume.
 Please email results.

ICE/PCB
 GOOD CONDITION
 HEAD SPACE ABSENT
 DECHLORINATED IN LAB
 PRESERVATION VOAS O&O METALS OTHER

APPROPRIATE CONTAINERS
 PRESERVED IN LAB



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: #130-0105-356; Worthington | Date Sampled: 05/06/04 |
| | | Date Received: 05/07/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 05/12/04 |
| | Client P.O.: | Date Completed: 05/12/04 |

WorkOrder: 0405100

May 12, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 2 analyzed samples from your #130-0105-356; 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



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: #130-0105-356; Worthington | Date Sampled: 05/06/04 |
| | Client Contact: Gretchen Hellmann | Date Received: 05/07/04 |
| | Client P.O.: | Date Extracted: 05/08/04 |
| | | Date Analyzed: 05/08/04 |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0405100


| Lab ID | Client ID | Matrix | TPH(g) | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS |
|--------|-----------|--------|--------|------|---------|---------|--------------|---------|----|------|
| 001A | INF | W | 110,a | --- | 5.8 | 3.4 | 0.88 | 17 | 1 | 104 |
| 002A | EFF-1 | W | ND | --- | ND | ND | ND | ND | 1 | 98.6 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|---|----|-----|-----|-----|-----|-----|---|-------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | W | 50 | 5.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | µg/L |
| | S | NA | NA | NA | NA | NA | NA | 1 | mg/Kg |

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0405100

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 11469 | | Spiked Sample ID: 0405105-002A | | | | |
|----------------------------|--------|---------------------|--------|----------------|--------|--------------------------------|--------|----------|-------------------------|------|
| | 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(btctx) [£] | ND | 60 | 105 | 105 | 0 | 104 | 104 | 0 | 70 | 130 |
| MTBE | ND | 10 | 92 | 92 | 0 | 106 | 102 | 3.09 | 70 | 130 |
| Benzene | ND | 10 | 98.1 | 98.4 | 0.338 | 104 | 106 | 2.62 | 70 | 130 |
| Toluene | ND | 10 | 95.3 | 96.3 | 1.03 | 104 | 109 | 5.20 | 70 | 130 |
| Ethylbenzene | ND | 10 | 104 | 102 | 1.91 | 112 | 113 | 0.651 | 70 | 130 |
| Xylenes | ND | 30 | 96.3 | 100 | 3.74 | 100 | 100 | 0 | 70 | 130 |
| %SS: | 98.4 | 10 | 96.3 | 94.6 | 1.79 | 101 | 102 | 1.01 | 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 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.

£. TPH(btctx) = 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.

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0405100

ClientID: CETE

Report to:

Gretchen Hellmann
 Cambria Env. Technology
 5900 Hollis St, Suite A
 Emeryville, CA 94608

TEL: (510) 420-0700
 FAX: (510) 420-9170
 ProjectNo: #130-0105-356; Worthington
 PO:

Bill to:

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

Requested TAT: 5 days

Date Received: 5/7/04

Date Printed: 5/7/04

| 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 | |
| 0405100-001 | INF | Water | 5/6/04 2:30:00 PM | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |
| 0405100-002 | EFF-1 | Water | 5/6/04 2:30:00 PM | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|----------|----|--|----|--|----|--|----|--|
| 1 | G-MBTX_W | 2 | | 3 | | 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.

0405100

McCAMPBELL ANALYTICAL INC.
 110 2ND AVENUE SOUTH, #D7
 PACHECO, CA 94553-5560

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME:

RUSH 24 HOUR 48 HOUR 5 DAY

EDF Required? Yes No

Analysis Request

Other

Comments

Report To: Gretchen Hellmann Bill To: SAME
 Company: Cambria Environmental Technology, Inc.
 5900 Hollis Street Suite A
 Emeryville, CA 94608 E-mail: ghellmann@cambria-env.com
 Tele: 510 420-3305 Fax: 510 420-9170
 Project #: 130-0105-356 Project Name: WORTHINGTON
 Project Location: 3055 35th Avenue, Oakland, California
 Sampler Signature: *[Signature]*

| SAMPLE ID (Field Point Name) | LOCATION | SAMPLING | | # Containers | Type Containers | MATRIX | | | | | METHOD PRESERVED | | | | BTEX & TPH as Gas (602/8020 + 8015) TPH as Diesel (8015) | 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 | Other | Comments | | | | | |
|---------------------------------|----------|----------|-------|--------------|-----------------|--------|------|-----|--------|-------|------------------|-----|------------------|-------|---|---|--------------------------------------|----------------|----------------------------|----------------|---------------------------|-----------------------|----------------|--|---------------|---------------|-----------------------------|-----|-------|----------|--|--|--|--|--|
| | | Date | Time | | | Water | Soil | Air | Sludge | Other | Ice | HCl | HNO ₃ | Other | | | | | | | | | | | | | | | | | | | | | |
| INF | System | 5/6/04 | 2:30p | 3 | V | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| EFF-1 | System | ↓ | ↓ | 3 | V | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | |
| EFF-2 | System | ↓ | ↓ | 3 | V | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | |

ICE/HEAD SPACE/DECHLORINATED IN LAB PRESERVATION: VOAS O&G METALS OTHER

GOOD CONDITION:
 APPROPRIATE CONTAINERS PRESERVED IN LAB:

| | | | |
|-------------------------------------|---------------|-----------------|---------------------------------|
| Relinquished By: <i>[Signature]</i> | Date: 5/6/04 | Time: 5pm | Received By: <i>[Signature]</i> |
| Relinquished By: <i>[Signature]</i> | Date: 5/10/04 | Time: 8:20 A.M. | Received By: <i>[Signature]</i> |
| Relinquished By: <i>[Signature]</i> | Date: | Time: | Received By: |

Remarks: DO NOT ANALYZE OR REPORT RESULTS FOR MTBE
 Only analyze EFF-2 if TPHg or BTEX is detected in EFF-1
 Please email results.



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: #130-0105-356; Worthington | Date Sampled: 05/17/04 |
| | | Date Received: 05/18/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 05/21/04 |
| | Client P.O.: | Date Completed: 05/21/04 |

WorkOrder: 0405286

May 21, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 2 analyzed samples from your #130-0105-356; **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



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: #130-0105-356; Worthington | Date Sampled: 05/17/04 |
| | Client Contact: Gretchen Hellmann | Date Received: 05/18/04 |
| | Client P.O.: | Date Extracted: 05/19/04 |
| | | Date Analyzed: 05/19/04 |

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0405286

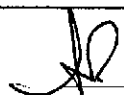
| Lab ID | Client ID | Matrix | TPH(g) | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS |
|--------|-----------|--------|--------|-------|---------|---------|--------------|---------|----|------|
| 001A | INF | A | 1300,a | ND<15 | 15 | 6.6 | 0.77 | 16 | 1 | 91.8 |
| 002A | EFF | A | ND | ND | ND | ND | ND | ND | 1 | 101 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|----|-----|------|------|------|------|------|---|-------|
| Reporting Limit for DF=1; ND means not detected at or above the reporting limit | A | 25 | 2.5 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 1 | µg/L |
| | S | NA | NA | NA | NA | NA | NA | NA | 1 | mg/Kg |

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

 Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: A

WorkOrder: 0405286

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 11582 | | | Spiked Sample ID: N/A | | | |
|----------------------------|--------|---------------------|--------|----------------|--------|--------|-----------------------|----------|-------------------------|------|
| | 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(btex) [£] | N/A | 60 | N/A | N/A | N/A | 101 | 104 | 3.06 | 70 | 130 |
| MTBE | N/A | 10 | N/A | N/A | N/A | 101 | 104 | 3.09 | 70 | 130 |
| Benzene | N/A | 10 | N/A | N/A | N/A | 101 | 107 | 6.48 | 70 | 130 |
| Toluene | N/A | 10 | N/A | N/A | N/A | 85.3 | 90.4 | 5.80 | 70 | 130 |
| Ethylbenzene | N/A | 10 | N/A | N/A | N/A | 107 | 113 | 5.44 | 70 | 130 |
| Xylenes | N/A | 30 | N/A | N/A | N/A | 96 | 100 | 4.08 | 70 | 130 |
| %SS: | N/A | 10 | N/A | N/A | N/A | 93.1 | 96.4 | 3.52 | 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 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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.

McC Campbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0405286

ClientID: CETE

Report to:

Gretchen Hellmann
 Cambria Env. Technology
 5900 Hollis St, Suite A
 Emeryville, CA 94608

TEL: (510) 420-0700
 FAX: (510) 420-9170
 ProjectNo: #130-0105-356; Worthington
 PO:

Bill to:

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

Requested TAT: 5 days

Date Received: 5/18/2004

Date Printed: 5/18/2004

| 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 | |
| 0405286-001 | INF | Air | 05/17/2004 | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |
| 0405286-002 | EFF | Air | 05/17/2004 | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|------------|----|--|----|--|----|--|----|--|
| 1 | G-MBTX_AIR | 2 | | 3 | | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |
| 11 | | 12 | | 13 | | 14 | | 15 | |

Prepared by: Elisa Venegas

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.

CETE 0405286

McCAMPBELL ANALYTICAL INC.

110 2ND AVENUE SOUTH, #D7

PACHECO, CA 94553-5560

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME:
RUSH 24 HOUR 48 HOUR 5 DAY

EDF Required? Yes No

Report To: Gretchen Hellmann Bill To: SAME Analysis Request Other Comments

Company: Cambria Environmental Technology, Inc.

5900 Hollis Street Suite A
Emeryville, CA 94608 E-mail: ghellmann@cambria-env.com

Tele: 510 420-3305 Fax: 510 420-9170

Project #: 130-0105-356 Project Name: WORTHINGTON

Project Location: 3055 35th Avenue, Oakland, California

Sampler Signature: *[Signature]*

| 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 |
| | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-----|--------|---------|--|---|----|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| INF | System | 5/17/06 | | 1 | Tb | | | X | | | | | | | | | | | |
| EFF | System | 5/17/06 | | 1 | Tb | | | X | | | | | | | | | | | |

| Analysis Request | Other | Comments |
|---|-------|----------|
| BTEX & TPH as Gas (602/8020 + 8015) MTBE | | |
| TPH as Diesel (8015) | | |
| 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 | | |

ICE/P
 GOOD CONDITION
 HEAD SPACE ABSENT
 DECHLORINATED IN LAB
 PRESERVATION

APPROPRIATE CONTAINERS
 PRESERVED IN LAB

VOAS | OMS | METALS | OTHER

| | | | |
|-------------------------------------|---------------|------------|---------------------------------|
| Relinquished By: <i>[Signature]</i> | Date: 5/17/06 | Time: 7pm | Received By: <i>[Signature]</i> |
| Relinquished By: <i>[Signature]</i> | Date: 5/18/06 | Time: 1:20 | Received By: <i>[Signature]</i> |
| Relinquished By: <i>[Signature]</i> | Date: 5/18 | Time: 5:14 | Received By: <i>[Signature]</i> |

Remarks: Report in ppm(v). Reporting limit is 10 ppm(v)

Use 20 mL injection volume.

Please email results.



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 | Date Sampled: 06/10/04 |
| | | Date Received: 06/11/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 06/17/04 |
| | Client P.O.: | Date Completed: 06/17/04 |

WorkOrder: 0406203

June 17, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 2 analyzed samples from your #130-0105 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



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

Date Sampled: 06/10/04

Date Received: 06/11/04

Client Contact: Gretchen Hellmann

Date Extracted: 06/15/04

Client P.O.:

Date Analyzed: 06/15/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0406203

| Lab ID | Client ID | Matrix | TPH(g) | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | DF | % SS |
|--------|-----------|--------|--------|------|---------|---------|--------------|---------|----|------|
| 001A | INF | W | 53,a | --- | 2.6 | 1.1 | ND | 7.6 | 1 | 101 |
| 002A | EFF-1 | W | ND | --- | ND | ND | ND | ND | 1 | 102 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | |
|--|---|----|-----|-----|-----|-----|-----|---|-------|
| Reporting Limit for DF =1; ND means not detected at or above the reporting limit | W | 50 | 5.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | µg/L |
| | S | NA | NA | NA | NA | NA | NA | 1 | mg/Kg |

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

Angela Rydelius, Lab Manager



QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W

WorkOrder: 0406203

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 11926 | | Spiked Sample ID: 0406206-005A | | | | |
|----------------------------|--------|---------------------|--------|----------------|--------|--------------------------------|--------|----------|-------------------------|------|
| | 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(btex) [£] | ND | 60 | 96.8 | 97.8 | 1.01 | 93.5 | 98.1 | 4.82 | 70 | 130 |
| MTBE | ND | 10 | 112 | 101 | 9.76 | 96.5 | 108 | 11.0 | 70 | 130 |
| Benzene | ND | 10 | 103 | 113 | 9.07 | 104 | 113 | 8.11 | 70 | 130 |
| Toluene | ND | 10 | 101 | 107 | 6.05 | 98.6 | 107 | 8.20 | 70 | 130 |
| Ethylbenzene | ND | 10 | 103 | 112 | 7.75 | 102 | 111 | 8.92 | 70 | 130 |
| Xylenes | ND | 30 | 91 | 96.3 | 5.69 | 90.3 | 96.7 | 6.77 | 70 | 130 |
| %SS: | 104 | 10 | 102 | 107 | 5.05 | 107 | 107 | 0 | 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 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.

£ 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

0406203

McCAMPBELL ANALYTICAL INC.

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

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME:

RUSH 24 HOUR 48 HOUR 5 DAY

EDF Required? Yes No

Report To: Gretchen Hellmann Bill To: SAME
Company: Cambria Environmental Technology, Inc.
5900 Hollis Street Suite A
Emeryville, CA 94608 E-mail: ghellmann@cambria-env.com
Tele: 510 420-3305 Fax: 510 420-9170
Project #: 130-0105-356 Project Name: WORTHINGTON
Project Location: 3055 35th Avenue, Oakland, California
Sampler Signature: *[Signature]*

Analysis Request

Other

Comments

| SAMPLE ID (Field Point Name) | LOCATION | SAMPLING | | # Containers | Type Containers | MATRIX | | | | | METHOD PRESERVED | | | | BTEX & TPH as Gas (602/8020 + 8015) | TPH as Diesel (8015) | 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 | | | | | | | |
|---------------------------------|----------|----------|------|--------------|-----------------|--------|------|-----|--------|-------|------------------|-----|------------------|-------|-------------------------------------|----------------------|---|--------------------------------------|----------------|----------------------------|----------------|---------------------------|-----------------------|----------------|--|---------------|---------------|-----------------------------|-----|--|--|--|--|--|--|--|
| | | Date | Time | | | Water | Soil | Air | Sludge | Other | Ice | HCl | HNO ₃ | Other | | | | | | | | | | | | | | | | | | | | | | |
| INF | System | 6/1/04 | 1pm | 3 | V | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| EFF-1 | System | ↓ | ↓ | 3 | V | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| EFF-2 | System | ↓ | ↓ | 3 | V | X | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | |

Relinquished By: *[Signature]* Date: 6/1/04 Time: 3:30pm Received By: *[Signature]* Secured location
Relinquished By: *[Signature]* Date: 6/1/04 Time: 11:00 Received By: *[Signature]*
Relinquished By: *[Signature]* Date: 6/1/04 Time: 1pm Received By: *[Signature]*

Remarks: DO NOT ANALYZE OR REPORT RESULTS FOR MTBE
Only analyze EFF-2 if TPHg or BTEX is detected in EFF-1
Please email results.

ICE/F GOOD CONDITION APPROPRIATE CONTAINERS
HEAD SPACE ABSENT PRESERVED IN LAB
DECHLORINATED IN LAB
PRESERVATION VIMS O&G METALS OTHER

McC Campbell Analytical, Inc.

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0406203

ClientID: CETE

Report to:

Gretchen Hellmann
 Cambria Env. Technology
 5900 Hollis St, Suite A
 Emeryville, CA 94608

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

Bill to:

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

Requested TAT: 5 days

Date Received: 6/11/04

Date Printed: 6/11/04

| 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 | |
| 0406203-001 | INF | Water | 6/10/04 1:00:00 PM | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |
| 0406203-002 | EFF-1 | Water | 6/10/04 1:00:00 PM | <input type="checkbox"/> | A | | | | | | | | | | | | | | | |
| 0406203-003 | EFF-2 | Water | 6/10/04 1:00:00 PM | <input checked="" type="checkbox"/> | A | | | | | | | | | | | | | | | |

Test Legend:

| | | | | | | | | | |
|----|-----------|----|--|----|--|----|--|----|--|
| 1 | G-MBTEX_W | 2 | | 3 | | 4 | | 5 | |
| 6 | | 7 | | 8 | | 9 | | 10 | |
| 11 | | 12 | | 13 | | 14 | | 15 | |

Prepared by: Maria Venegas

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.



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: #130-0105-356; Worthington | Date Sampled: 06/10/04 |
| | | Date Received: 06/11/04 |
| | Client Contact: Gretchen Hellmann | Date Reported: 06/17/04 |
| | Client P.O.: | Date Completed: 06/17/04 |

WorkOrder: 0406200

June 17, 2004

Dear Gretchen:

Enclosed are:

- 1). the results of 2 analyzed samples from your #130-0105-356; 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

Matrix: A

WorkOrder: 0406200

| EPA Method: SW8021B/8015Cm | | Extraction: SW5030B | | BatchID: 11926 | | Spiked Sample ID: N/A | | | | |
|----------------------------|--------|---------------------|--------|----------------|--------|-----------------------|--------|----------|-------------------------|------|
| | Sample | Spiked | MS* | MSD* | MS-MSD | LCS | LCSD | LCS-LCSD | Acceptance Criteria (%) | |
| | uL/L | uL/L | % Rec. | % Rec. | % RPD | % Rec. | % Rec. | % RPD | Low | High |
| TPH(btex) [£] | N/A | 60 | N/A | N/A | N/A | 93.5 | 98.1 | 4.82 | 70 | 130 |
| MTBE | N/A | 10 | N/A | N/A | N/A | 96.5 | 108 | 11.0 | 70 | 130 |
| Benzene | N/A | 10 | N/A | N/A | N/A | 104 | 113 | 8.11 | 70 | 130 |
| Toluene | N/A | 10 | N/A | N/A | N/A | 98.6 | 107 | 8.20 | 70 | 130 |
| Ethylbenzene | N/A | 10 | N/A | N/A | N/A | 102 | 111 | 8.92 | 70 | 130 |
| Xylenes | N/A | 30 | N/A | N/A | N/A | 90.3 | 96.7 | 6.77 | 70 | 130 |
| %SS: | N/A | 10 | N/A | N/A | N/A | 107 | 107 | 0 | 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 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.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

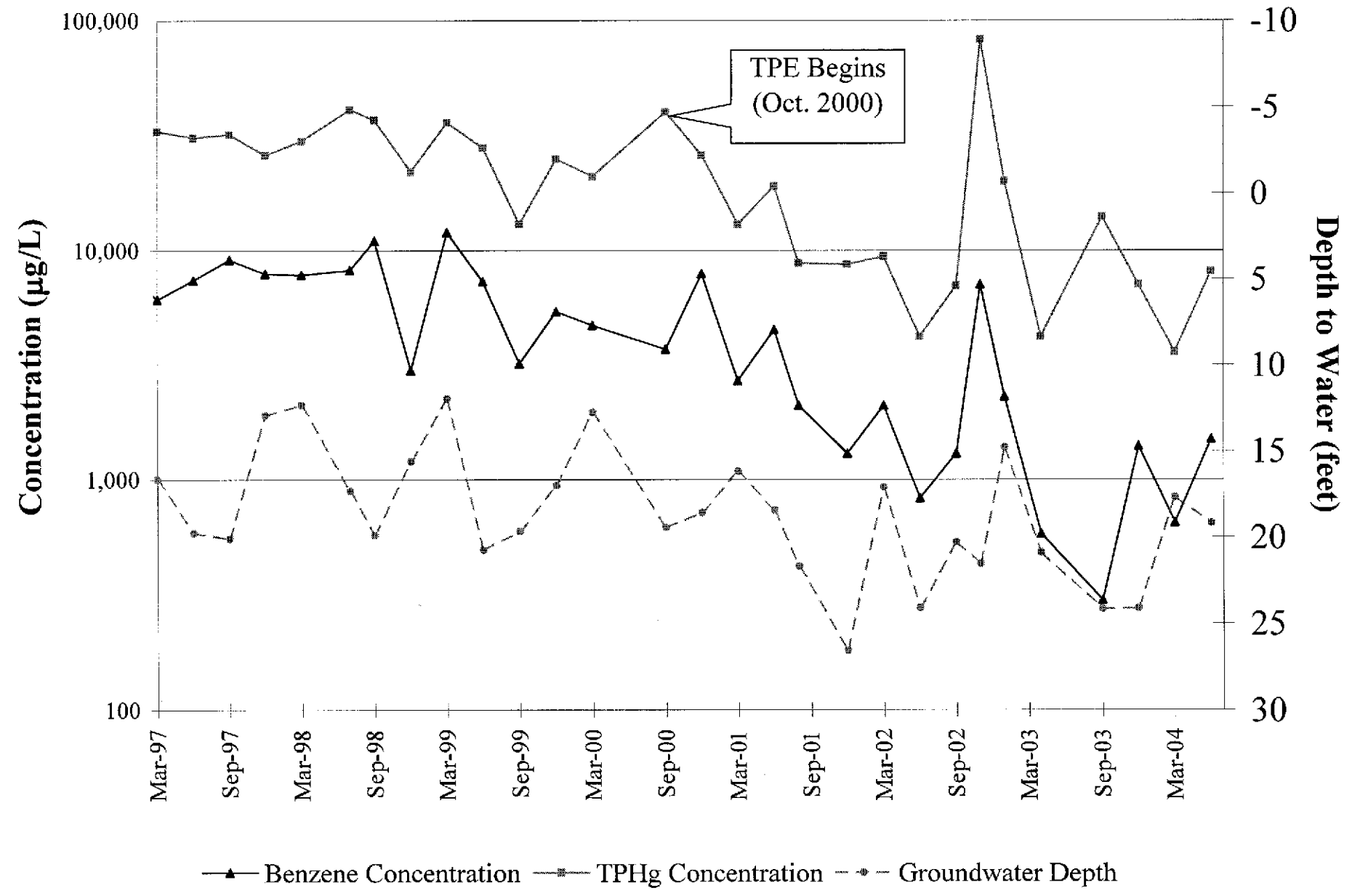
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

 QA/QC Officer

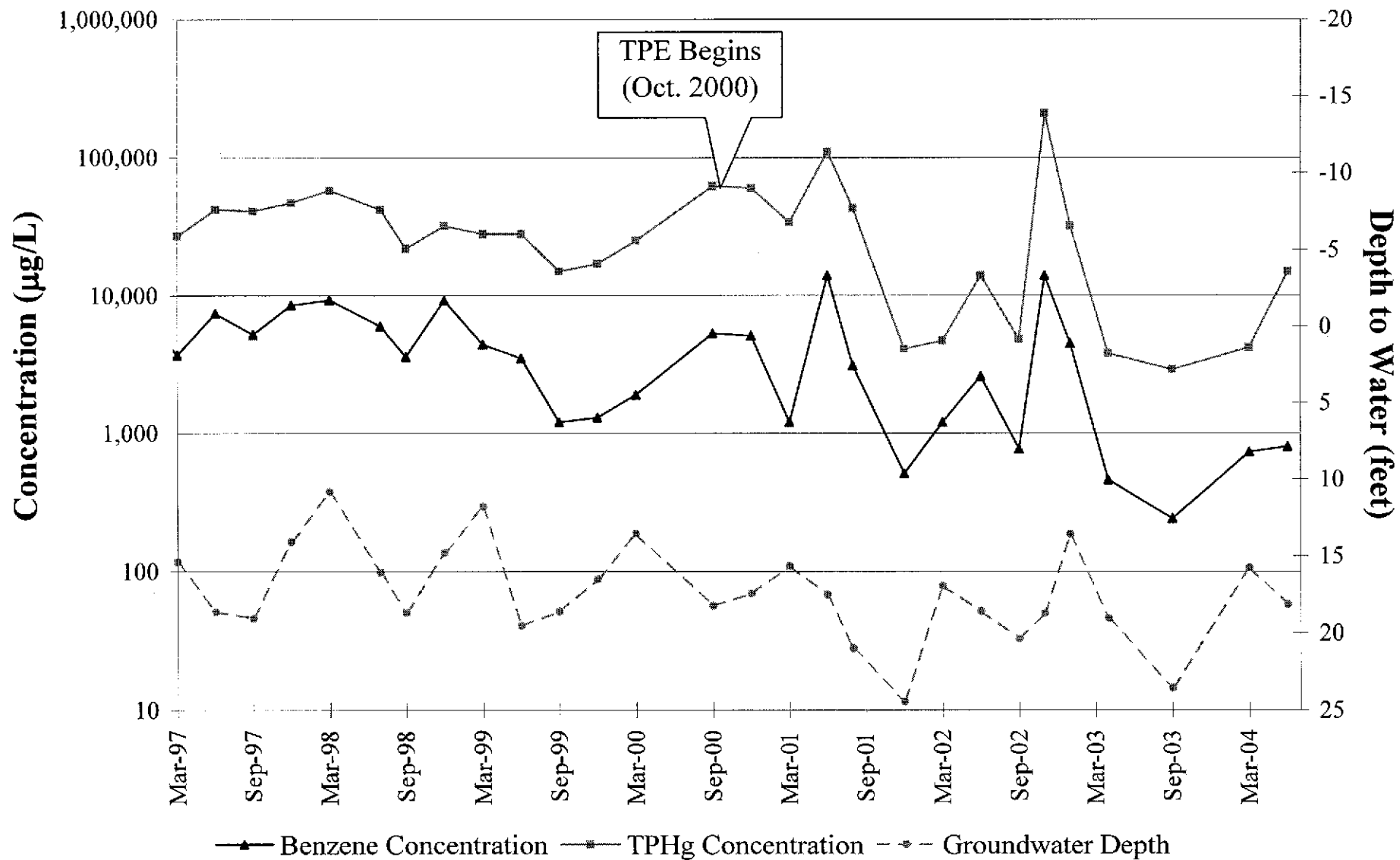
APPENDIX D

TPHg and Benzene Concentration Trend Graphs

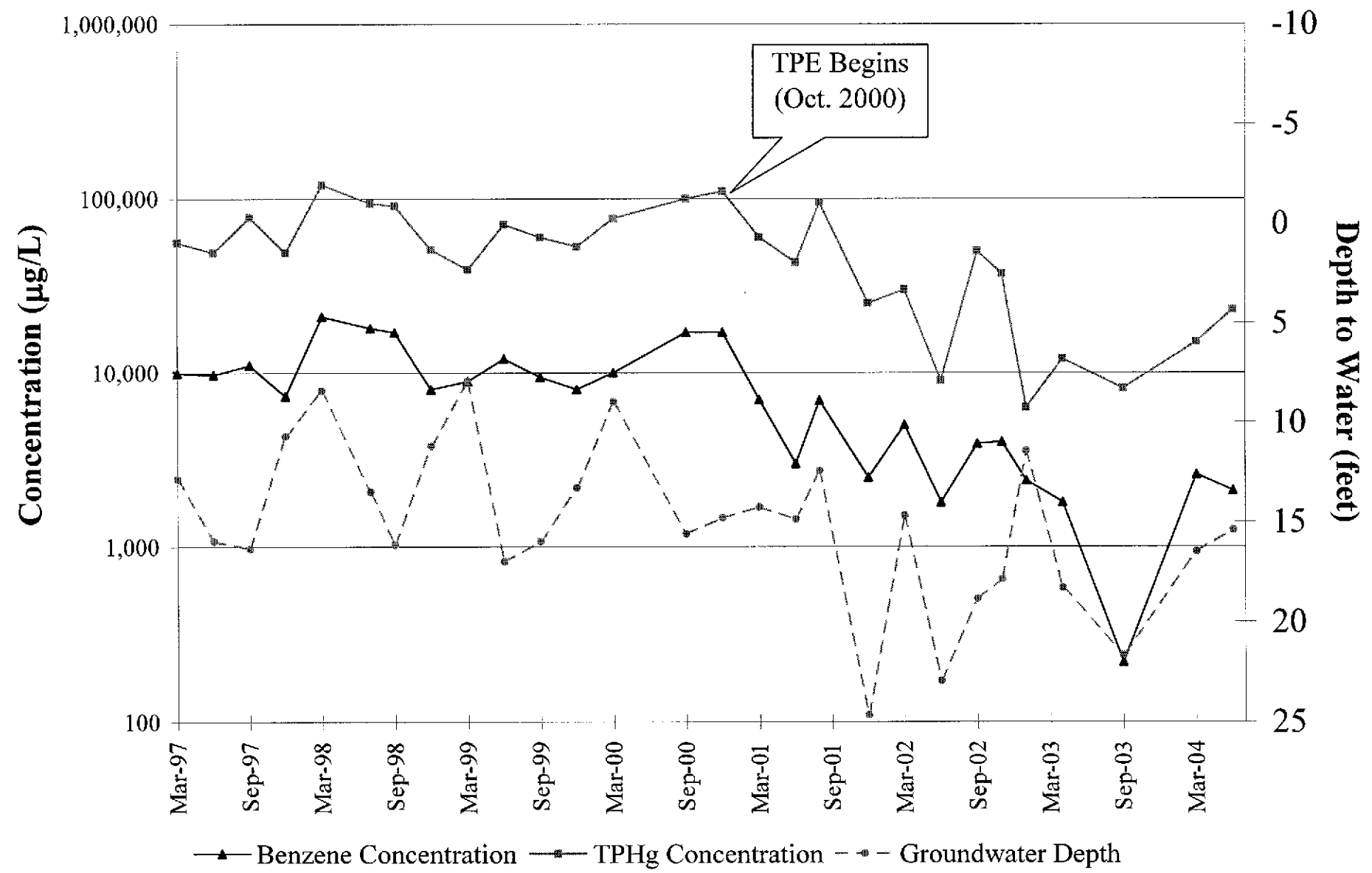
TPHg and Benzene Concentration Trends Well MW-1 (March 1997 to Present)



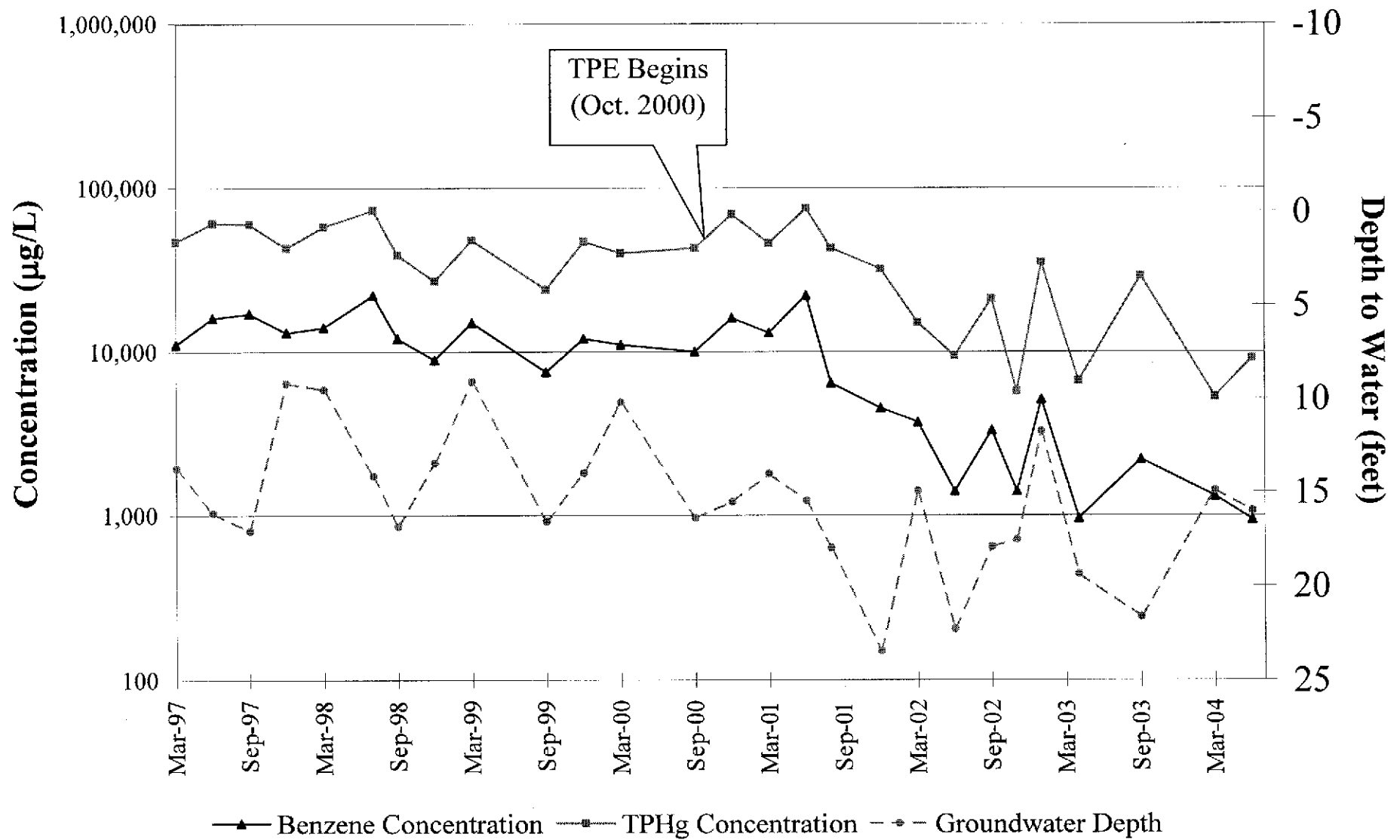
TPHg and Benzene Concentration Trends Well MW-2 (March 1997 to Present)



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



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



APPENDIX E

Geotracker Electronic Delivery Confirmations

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 6392015814
Date/Time of Submittal: 7/13/2004 5:50:41 PM
Facility Global ID: T0600100538
Facility Name: EXXON
Submittal Title: 2nd 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 - (UNK) |
|---|---|

| CONF # | TITLE | QUARTER |
|--------------|---------------------------------|----------------|
| 6392015814 | 2nd Qtr 2004 GW Analytical Data | Q2 2004 |
| SUBMITTED BY | SUBMIT DATE | STATUS |
| Matt Meyers | 7/13/2004 | 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.

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_XY FILE

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

Submittal Title: Well Survey Horizontal Data for 3055 35th Street,
Oakland
Submittal Date/Time: 7/13/2004 6:09:42 PM
Confirmation Number: 9686033487

[Back to Main Menu](#)

Logged in as CAMBRIA-EM (AUTH_RP)

[CONTACT SITE ADMINISTRATOR](#)

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_Z FILE

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

Submittal Title: Well Survey Elevation Data for 3055 35th Avenue,
Oakland
Submittal Date/Time: 7/13/2004 6:08:29 PM
Confirmation Number: 3661915421

[Back to Main Menu](#)

Logged in as CAMBRIA-EM (AUTH_RP)

[CONTACT SITE ADMINISTRATOR.](#)

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_WELL FILE

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

Submittal Title: 2nd Qtr 2004 GW Depth Data for 3055 35th Avenue,
Oakland

Submittal Date/Time: 7/13/2004 5:58:51 PM

**Confirmation
Number:** 4079925358

[Back to Main Menu](#)

Logged in as CAMBRIA-EM (AUTH_RP)

CONTACT SITE [ADMINISTRATOR](#).