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Second Quarter 2012 Monitoring Report

Former BP Station #11126
1700 Powell Street
Emeryville, California
ACEH Case #RO0000066

REMEDIATION

"I declare that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Date:
July 31, 2012

Submitted by:

Contact:
Hollis E. Phillips

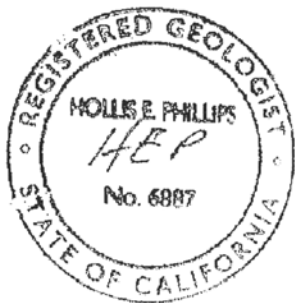
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Hollis E. Phillips, P.G.
Project Manager

Our ref:
GP09BPNA.C044





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July 31, 2012

Project No. 09-88-662

ARCADIS-US, Inc.
100 Montgomery Street, Ste. 300
San Francisco, CA 94104

Attn.: Ms. Hollis Phillips, PG – Senior Geologist

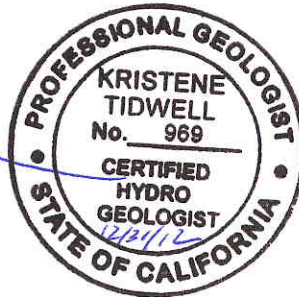
Re: Second Quarter 2012 Monitoring Report, Former BP Station #11126, 1700 Powell Street, Emeryville, Alameda County, California; ACEH Case #RO0000066.

Dear Ms. Phillips:

Attached is the Second Quarter 2012 Monitoring Report for Former BP Station #11126 located at 1700 Powell Street, Emeryville, California. Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (707) 455-7290.

Sincerely,
BROADBENT & ASSOCIATES, INC.

Kristene Tidwell, P.G., C.Hg.
Senior Geologist



enclosures

cc: Ms. Dilan Roe, Alameda County Environmental Health (submitted via ACEH ftp site)
Ms. Cherie McCaulou, San Francisco Regional Water Quality Control Board
Electronic copy uploaded to GeoTracker

**SECOND QUARTER 2012 MONITORING REPORT
FORMER BP STATION #11126,
1700 POWELL STREET, EMERYVILLE, CALIFORNIA**

Broadbent & Associates, Inc. (Broadbent) is pleased to present this *Second Quarter 2012 Monitoring Report* on behalf of ARCADIS-US, Inc. and Atlantic Richfield Company (a BP affiliated company) for Former BP Station #11126 located in Emeryville, Alameda County, California. Monitoring activities at the site were performed in accordance with the reporting requirements issued by the Alameda County Environmental Health (ACEH). Details of work performed and discussion of results are provided below.

| | |
|-------------------------------------|--|
| Facility Name / Address: | <u>#11126 / 1700 Powell Street, Emeryville, CA</u> |
| Client Project Manager / Title: | <u>Hollis Phillips, PG / Senior Geologist</u> |
| BAI Contact: | <u>Kristene Tidwell (707) 455-7290</u> |
| BAI Project No.: | <u>09-88-662</u> |
| Primary Regulatory Agency / ID No.: | <u>ACEH, Case # RO0000066</u> |
| Current phase of project: | <u>Groundwater monitoring/sampling</u> |
| List of Acronyms / Abbreviations: | <u>See end of report text for list of acronyms/abbreviations used in report.</u> |

WORK PERFORMED THIS QUARTER (Second Quarter 2012):

1. Second Quarter 2012 groundwater monitoring event was performed on June 27, 2012.

WORK SCHEDULED FOR NEXT QUARTER (Third Quarter 2012):

1. Submit *Second Quarter 2012 Monitoring Report* (contained herein).
2. No other work is scheduled to be performed during the third quarter.

GROUNDWATER MONITORING PLAN SUMMARY:

| | | |
|--|---------------------------|--------------------------|
| Groundwater level gauging: | <u>MW-1 through MW-11</u> | (Semi-Annually: 2Q & 4Q) |
| Groundwater sample collection: | <u>MW-1 through MW-9</u> | (Semi-Annually: 2Q & 4Q) |
| | <u>MW-10 & MW-12</u> | (Annually: 2Q) |
| Biodegradation indicator parameter monitoring: | <u>DO, ORP, Temp., pH</u> | |

QUARTERLY RESULTS SUMMARY:

LNAPL

| | | |
|-------------------------------|----------------|----------|
| LNAPL observed this quarter: | <u>No</u> | (yes/no) |
| LNAPL recovered this quarter: | <u>None</u> | (gal) |
| Cumulative LNAPL recovered: | <u>Unknown</u> | (gal) |

Groundwater Elevation and Gradient:

| | | |
|------------------------------|-------------------------------------|-----------------------------|
| Depth to groundwater: | <u>3.51 (MW-9) to 9.70 (MW-11)</u> | (ft below TOC) |
| Gradient direction: | <u>Southwest</u> | (compass direction) |
| Gradient magnitude: | <u>0.003</u> | (ft/ft) |
| Average change in elevation: | <u>-0.29</u> | (ft since last measurement) |

Laboratory Analytical Data

| | |
|----------|--|
| Summary: | GRO and TAME were detected in five wells sampled at concentrations up to 23,000 µg/L and 95 µg/L, respectively in well MW-2. DRO were detected in three wells sampled at concentrations up to 1,200 µg/L in MW-6. MTBE was detected in nine wells sampled at concentrations up to 2,600 µg/L in MW-2. Toluene and ethylbenzene were detected in two wells sampled at concentrations up to 110 µg/L and 2,300 µg/L, respectively, in MW-2. Benzene and xylenes were detected in a total of four wells at a maximum concentration of 3,900 µg/L and 2,000 µg/L, respectively, in well MW-2. TBA was detected in a total of eight wells at a maximum concentration of 28,000 µg/L in well MW-4. |
|----------|--|

ACTIVITIES CONDUCTED & RESULTS:

Second Quarter groundwater monitoring was conducted on June 27, 2012 by Broadbent personnel in accordance with the monitoring plan summary detailed above. No irregularities were noted during water level gauging. Collected depth to water measurements ranged from 3.51 ft at MW-9 to 9.70 ft at MW-11. Resulting groundwater surface elevations ranged from 4.79 ft at MW-5 to 7.04 ft at MW-9. Groundwater elevations are summarized in Table 1. Water level elevations yielded a potentiometric groundwater gradient to the southwest at approximately 0.003 ft/ft. Historical groundwater gradient direction and magnitude data are summarized in Table 3. Field methods used during groundwater monitoring are provided in Appendix A. Field data sheets are included in Appendix B. A Site Location Map is presented as Drawing 1. Groundwater elevations are presented in Drawing 2.

Groundwater samples were collected on June 27 and 29, 2012 from wells MW-1 through MW-11 consistent with the current monitoring schedule. No irregularities were reported during sampling. Samples were submitted to TestAmerica Laboratories, Inc. (Pleasanton, California) for analysis of Diesel-Range Organics (DRO, C10-C28) by EPA Method 8015M; and for Gasoline-Range Organics (GRO, C6-C12), Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Di-Isopropyl Ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), and Tert-Butyl Alcohol (TBA) by EPA Method 8260B. No significant irregularities were encountered during analysis of the samples. The laboratory analytical report, including chain-of-custody documentation, is provided in Appendix C.

GRO were detected above the laboratory reporting limit in five wells sampled at concentrations up to 23,000 µg/L in well MW-2. DRO were detected above the laboratory reporting limit in three wells sampled at concentrations up to 1,200 µg/L in well MW-6. Benzene was detected above the laboratory reporting limit in four wells sampled at concentrations up to 3,900 µg/L in well MW-2. Toluene was detected above the laboratory reporting limit in two wells sampled at concentrations up to 110 µg/L in well MW-2. Ethylbenzene was detected above the laboratory reporting limit in two wells sampled at concentrations up to 2,300 µg/L in well MW-2. Total Xylenes were detected above the laboratory reporting limit in four wells sampled at concentrations up to 2,000 µg/L in well MW-2. TAME was detected above the laboratory reporting limit in five wells sampled at concentrations up to 95 µg/L in well MW-2. TBA was detected above the laboratory reporting limit in eight wells sampled at concentrations up to 28,000 µg/L in well MW-4. MTBE was detected above the laboratory reporting limit in nine wells sampled at concentrations up to 2,100 µg/L in well MW-2. The remaining fuel constituents were not detected above their respective laboratory reporting limits in the nine wells sampled this quarter. Groundwater monitoring laboratory analytical results are summarized in Table 1 and Table 2. Table 4 provides biodegradation indicator parameter results. The most recent GRO, Benzene, MTBE and TBA concentrations are presented in Drawing 2. Groundwater monitoring data (GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation receipts are provided in Appendix D.

SAMPLING PROTOCOL:

Going forward starting during the fourth quarter sampling event, HydraSleeve™ groundwater sampling tools will be used to collect groundwater samples at the site. The HydraSleeve™ groundwater sampler collects a representative sample from a specific depth interval within the monitoring well screen. The HydraSleeve™ sampler is lowered into the well and remains closed until the desired sampling depth is reached. When the HydraSleeve™ is retrieved it opens to collect a sample from a 2.5-foot long interval within the well screen. HydraSleeves™ will be used to collect samples from the middle of the saturated screen interval without purging or mixing water from other intervals.

Sampling by HydraSleeves™ provides monitoring data of equivalent quality to purge and sample methods and is similar to sampling using passive diffusion bags (PDBs), which are also used to collect no-

purge groundwater samples. Because HydraSleeves™ collect groundwater from the well, samples can be analyzed for any constituent, unlike samples collected with PDBs, which are limited to volatile organic compound (VOC) analyses. Analytical results for samples collected with HydraSleeves™ typically reveal concentrations of target constituents within the expected historical ranges for a given monitoring well. If target constituent concentrations are significantly different in samples collected with HydraSleeves™, this can reveal previously unknown contaminant stratification or sampling bias introduced by purging when groundwater with lower or higher concentrations of target constituents is drawn into the well via preferential pathways in the site geology during purging. If concentrations of target constituents are significantly different than historical monitoring results at a location, additional evaluation will be performed using a combination of methods during subsequent monitoring.

DISCUSSION:

Groundwater levels were between historic minimum and maximum elevations for each well gauged this quarter. Groundwater elevations yielded a potentiometric groundwater gradient to the southwest at approximately 0.003 ft/ft, generally consistent with the highly variable and relatively flat historic gradient data presented in Table 3.

This event's detected analytical concentrations were within the historic minimum and maximum ranges recorded for each well, with the following exceptions: DRO reached a historic minimum in MW-3 with a concentration of 480 µg/L; MTBE reached historic minimums in wells MW-7 and MW-8 at 2.7 µg/L and 2.2 µg/L, respectively. Recent and historic laboratory analytical results are summarized in Table 1 and Table 2. The next groundwater monitoring and sampling event is scheduled to be conducted during Fourth Quarter 2012.

As discussed in the Sampling Protocol section, it is recommended to utilize HydraSleeve™ samplers during the Fourth Quarter 2012 groundwater monitoring and sampling event, unless directed otherwise by the ACEH.

LIMITATIONS:

The findings presented in this report are based upon observations of field personnel, points investigated, results of laboratory tests performed by TestAmerica Laboratories, Inc. (Pleasanton, California), and our understanding of ACEH requirements. Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of ARCADIS-US, Inc. and Atlantic Richfield Company. It is possible that variations in soil or groundwater conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

ATTACHMENTS:

Drawing 1: Site Location Map

Drawing 2: Groundwater Elevation and Analytical Summary Map – June 2012

Table 1: Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

Table 2: Summary of Fuel Additives Analytical Data

Table 3: Historical Groundwater Gradient – Direction and Magnitude

Table 4: Bio-Degradation Parameters

Appendix A: Field Methods

Appendix B: Field Data Sheets and Non-Hazardous Waste Data Form

Appendix C: Laboratory Report and Chain-of-Custody Documentation

Appendix D: GeoTracker Upload Confirmation Receipts

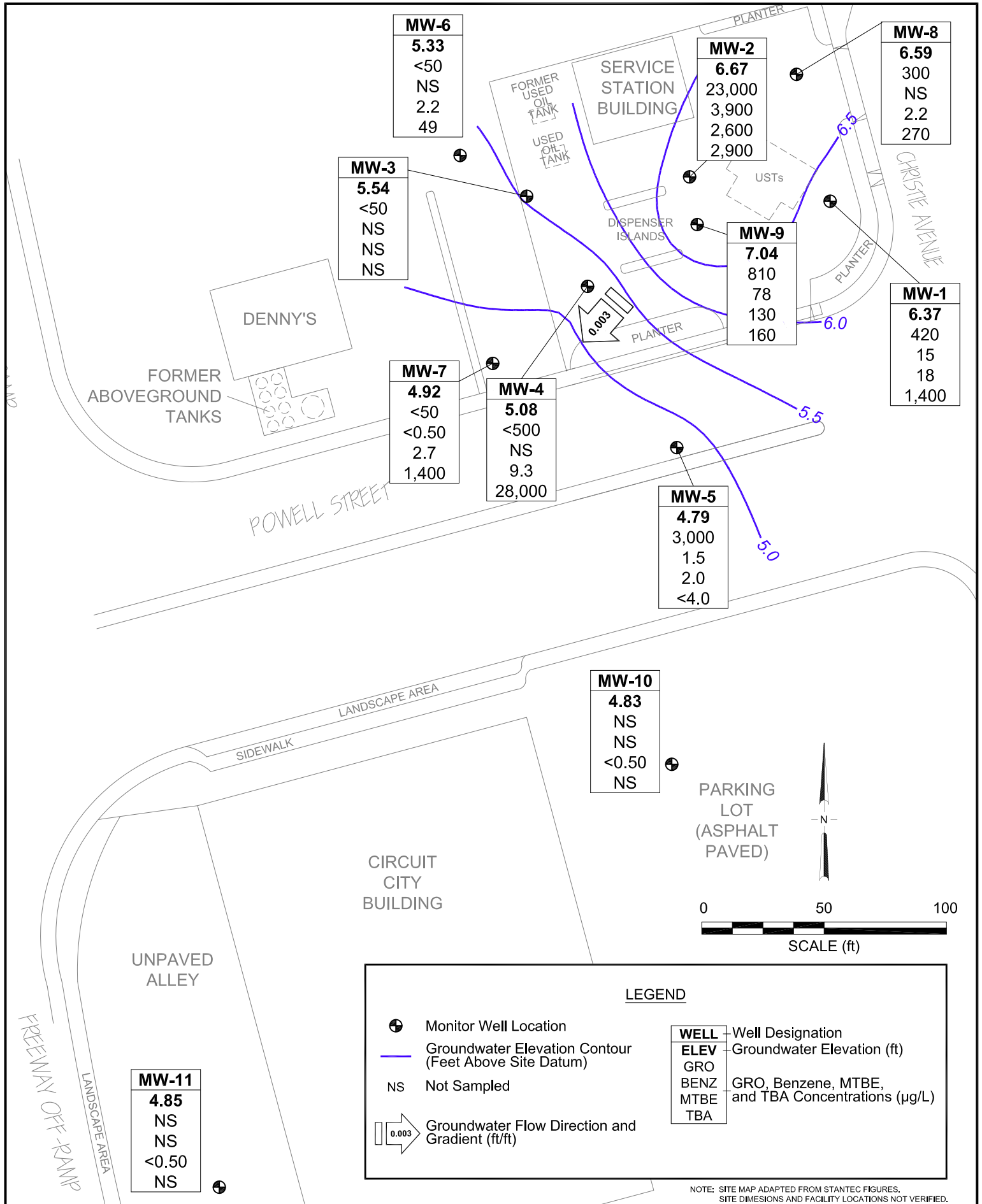
LIST OF COMMONLY USED ACCRONYMS/ABBREVIATIONS:

| | | | |
|----------|---|--------|--------------------------------|
| ACEH: | Alameda County Environmental Health | ft/ft: | feet per foot |
| BTEX: | Benzene, Toluene, Ethylbenzene, Total Xylenes | gal: | Gallons |
| 1,2-DCA: | 1,2-Dichloroethane | GRO: | Gasoline-Range Organics |
| DIPE: | Di-Isopropyl Ether | LNAPL: | Light Non-Aqueous Phase Liquid |
| DO: | Dissolved Oxygen | MTBE: | Methyl Tertiary Butyl Ether |
| DRO: | Diesel-Range Organics | TAME: | Tert-Amyl Methyl Ether |
| EDB: | 1,2-Dibromomethane | TBA: | Tertiary Butyl Ether |
| EPA: | Environmental Protection Agency | TOC: | Top of Casing |
| ETBE: | Ethyl Tertiary Butyl Ether | µg/L: | micrograms per liter |



APPROXIMATE SCALE (mi)

IMAGE SOURCE: DELORME



NOTE: SITE MAP ADAPTED FROM STANTEC FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|---------|-----|------|-----------|----|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-1 | | | | | | | | | | | | | | | | | |
| 11/4/1992 | -- | 7.76 | 4.96 | 0.00 | 2.80 | 5,300 | -- | 1,100 | 480 | <0.50 | 1,500 | -- | -- | -- | -- | -- | |
| 10/12/1993 | -- | | 5.26 | 0.00 | 2.50 | 3,600 | -- | 970 | 71 | 100 | 550 | 6,111 | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 4.98 | 0.00 | 2.78 | 17,000 | -- | 4,200 | 510 | 360 | 1,600 | 5,495 | -- | -- | 3.9 | -- | |
| 5/11/1994 | -- | | 4.55 | 0.00 | 3.21 | 5,500 | -- | 2,900 | 37 | 56 | 64 | 705 | -- | -- | 8.0 | -- | |
| 8/1/1994 | -- | | 5.51 | 0.00 | 2.25 | 15,000 | -- | 3,600 | 740 | 510 | 2,800 | 9,718 | -- | -- | 2.9 | -- | |
| 8/1/1994 | -- | | 5.51 | 0.00 | 2.25 | 16,000 | -- | 3,600 | 750 | 510 | 2,800 | 9,800 | -- | -- | -- | -- | DUP |
| 10/18/1994 | -- | | 5.11 | 0.00 | 2.65 | 16,000 | -- | 1,800 | 61 | 160 | 890 | 15,668 | -- | -- | 2.9 | -- | |
| 10/18/1994 | -- | | 5.11 | 0.00 | 2.65 | 16,000 | -- | 1,900 | 64 | 170 | 950 | -- | -- | -- | -- | -- | DUP |
| 1/13/1995 | -- | | 3.05 | 0.00 | 4.71 | 590 | -- | 88 | 0.70 | <0.50 | 55 | -- | -- | -- | -- | -- | DUP |
| 1/13/1995 | -- | | 3.05 | 0.00 | 4.71 | 220 | -- | 7.0 | <0.50 | 1.0 | 23 | -- | -- | -- | 6.6 | -- | |
| 4/13/1995 | -- | | 3.84 | 0.00 | 3.92 | 9,300 | -- | 4,000 | 300 | 200 | 950 | -- | -- | -- | 7.7 | -- | |
| 7/11/1995 | -- | | 3.60 | 0.00 | 4.16 | 15,000 | -- | 2,200 | 84 | <25 | 2,500 | -- | -- | -- | 8.8 | -- | |
| 11/2/1995 | -- | | 4.58 | 0.00 | 3.18 | 19,000 | -- | 920 | <100 | <100 | 430 | 52,000 | -- | -- | 7.3 | -- | |
| 2/5/1996 | -- | | 4.43 | 0.00 | 3.33 | 4,600 | -- | 1,400 | 330 | 54 | 247 | 8,700 | -- | -- | 3.2 | -- | |
| 4/24/1996 | -- | | 4.00 | 0.00 | 3.76 | 2,000 | -- | 510 | 33 | 61 | 228 | 4,500 | -- | -- | 7.5 | -- | |
| 7/15/1996 | -- | | 4.30 | 0.00 | 3.46 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/16/1996 | -- | | -- | -- | -- | 12,000 | -- | 2,800 | 160 | 390 | 1,610 | 63,000 | -- | -- | -- | -- | DUP |
| 7/16/1996 | -- | | -- | -- | -- | 12,000 | -- | 2,800 | 170 | 390 | 1,630 | 64,000 | -- | -- | 7.9 | -- | |
| 7/30/1996 | -- | | 4.64 | 0.00 | 3.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/12/1996 | -- | | -- | -- | -- | 11,000 | -- | 2,500 | 160 | <10 | 1,740 | 440,000 | -- | -- | 7.0 | -- | |
| 11/4/1996 | -- | | 5.98 | 0.00 | 1.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | 53,000 | -- | 1,300 | 43 | 100 | 349 | 42,000 | -- | -- | 6.6 | -- | |
| 5/17/1997 | -- | | 4.65 | 0.00 | 3.11 | 52,000 | -- | 1,958 | 55 | 305 | 1,216 | 140,198 | -- | -- | 5.7 | -- | |
| 8/11/1997 | -- | | 4.90 | 0.00 | 2.86 | 25,000 | -- | 540 | 6.7 | <5.0 | 57 | 360,000 | -- | -- | 7.9 | -- | |
| 11/17/1997 | -- | | 6.12 | 0.00 | 1.64 | 93,000 | -- | 1,200 | 31 | 180 | 40 | 400,000 | -- | -- | 7.6 | -- | |
| 1/29/1998 | -- | | 4.90 | 0.00 | 2.86 | 4,800 | -- | 320 | 24 | 52 | 20 | <50 | -- | -- | 6.6 | -- | |
| 6/22/1998 | -- | | 4.62 | 0.00 | 3.14 | 63,000 | -- | 180 | <5.0 | 15 | 69 | 57,000 | -- | -- | 6.0 | -- | |
| 12/30/1998 | -- | | 5.41 | 0.00 | 2.35 | 22,000 | -- | 2,500 | 24 | 120 | 400 | 15,000 | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 3.40 | 0.00 | 4.36 | 16,000 | -- | 2,000 | 84 | 290 | 510 | 13,000 | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 4.60 | 0.00 | 3.16 | 9,600 | -- | 4,500 | 21 | 160 | 260 | 24,000 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|---------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-1 Cont. | | | | | | | | | | | | | | | | | |
| 9/23/1999 | -- | 7.76 | 4.21 | 0.00 | 3.55 | 3,800 | -- | 1,600 | 32 | 150 | 240 | 7,100 | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 4.10 | 0.00 | 3.66 | 3,400 | -- | <2,200 | 17 | 53 | 130 | 5,500 | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 5.51 | 0.00 | 2.25 | 6,400 | -- | 1,100 | 45 | 190 | 330 | 4,900 | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 4.79 | 0.00 | 2.97 | 110,000 | -- | 700 | 44 | 140 | 250 | 320,000 | -- | -- | -- | -- | |
| 9/6/2000 | -- | | 5.19 | 0.00 | 2.57 | 5,600 | -- | 1,000 | 13 | 57 | 90 | 19,000 | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 5.73 | 0.00 | 2.03 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 5.82 | 0.00 | 1.94 | 5,500 | -- | 1,160 | 47 | 155 | 292 | 3,900 | -- | -- | -- | -- | |
| 3/29/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | | 5.49 | 0.00 | 2.27 | 6,100 | -- | 1,200 | 13 | 17 | 78 | 1,780 | -- | -- | -- | -- | |
| 9/19/2001 | -- | | 6.19 | 0.00 | 1.57 | 1,800 | -- | 102 | <12.5 | <12.5 | <37.5 | 1,090 | -- | -- | -- | -- | |
| 12/28/2001 | -- | | 5.27 | 0.00 | 2.49 | 4,000 | -- | 540 | 12 | 20 | 65 | 1,120 | -- | -- | -- | -- | |
| 3/12/2002 | -- | | 5.68 | 0.00 | 2.08 | 3,700 | -- | 491 | 8.4 | 12 | 27 | 1,020 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 5.54 | 0.00 | 2.22 | 1,900 | -- | 255 | <12.5 | <12.5 | <25 | 6,490 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 5.56 | 0.00 | 2.20 | 1,100 | -- | 170 | 5.1 | 2.2 | 20 | 550 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 5.45 | 0.00 | 2.31 | 2,700 | -- | 610 | 10 | 18 | 67 | 470 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 3.00 | 0.00 | 4.76 | 1,500 | -- | 180 | <5.0 | <5.0 | 15 | 610 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 5.52 | 0.00 | 2.24 | 4,600 | -- | 620 | <25 | <25 | 55 | 1,400 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 5.55 | 0.00 | 2.21 | 2,000 | -- | 290 | <5.0 | <5.0 | 15 | 920 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 5.41 | 0.00 | 2.35 | 2,800 | -- | 420 | 11 | 11 | 53 | 250 | -- | -- | -- | -- | Past holding time |
| 4/28/2004 | -- | | 5.33 | 0.00 | 2.43 | 1,600 | -- | 100 | 5.3 | <5.0 | 8.8 | 200 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 4.03 | 0.00 | 3.73 | 1,700 | -- | 220 | 7.2 | 15 | 35 | 180 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 4.03 | 0.00 | 3.73 | 1,700 | -- | 220 | 7.2 | 15 | 35 | 180 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 3.93 | 0.00 | 3.83 | 2,100 | -- | 380 | 8.0 | 34 | 76 | 170 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 3.61 | 0.00 | 4.15 | 1,100 | -- | 150 | 3.0 | 12 | 14 | 160 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 10.16 | 3.75 | 0.00 | 6.41 | 930 | -- | 140 | 3.6 | 5.3 | 11 | 200 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 3.54 | 0.00 | 6.62 | 4,600 | -- | 1,000 | 15 | 78 | 150 | 250 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 3.26 | 0.00 | 6.90 | 1,500 | -- | 200 | 5.7 | 32 | 58 | 140 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 3.40 | 0.00 | 6.76 | 580 | -- | 42 | <5.0 | 10 | 20 | 40 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 2.97 | 0.00 | 7.19 | 900 | -- | 230 | 2.5 | 28 | 71 | 160 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 3.67 | 0.00 | 6.49 | 1,600 | -- | 240 | 3.4 | 11 | 23 | 180 | -- | -- | -- | -- | Well purged dry |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|-----------|-----------|-------------|---------------|---------------|-----------|-----------|-----------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-1 Cont. | | | | | | | | | | | | | | | | | |
| 12/1/2006 | -- | 10.16 | 3.64 | 0.00 | 6.52 | 1,400 | -- | 86 | 4.3 | 7.0 | 19 | 150 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 3.55 | 0.00 | 6.61 | 4,200 | -- | 340 | 7.0 | 34 | 46 | 160 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 3.53 | 0.00 | 6.63 | 2,100 | -- | 200 | 3.4 | 34 | 59 | 140 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 4.88 | 0.00 | 5.28 | 540 | -- | 74 | 2.4 | 5.4 | 10 | 59 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 3.70 | 0.00 | 6.46 | 1,800 | -- | 67 | 6.2 | 3.5 | 12 | 200 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 3.49 | 0.00 | 6.67 | 970 | -- | 100 | 1.9 | 37 | 32 | 25 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 4.26 | 0.00 | 5.90 | 1,300 | -- | 170 | 3.5 | 15 | 26 | 120 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 4.29 | 0.00 | 5.87 | 1,800 | -- | 26 | 6.1 | <1.0 | 10 | 120 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 3.79 | 0.00 | 6.37 | 1,600 | -- | 14 | 6.1 | 1.2 | 9.7 | 75 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 3.29 | 0.00 | 6.87 | 2,100 | -- | 200 | 5.6 | 16 | 29 | 88 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 4.02 | 0.00 | 6.14 | 880 | -- | 64 | 1.5 | 3.4 | 9.4 | 48 | -- | -- | 0.46 | -- | |
| 12/10/2009 | -- | | 3.92 | 0.00 | 6.24 | 1300 | -- | 46 | 6.9 | 2.6 | 10 | 65 | -- | -- | 0.47 | -- | |
| 6/29/2010 | P | | 3.60 | 0.00 | 6.56 | 530 | -- | 18 | 1.3 | <0.50 | 4.3 | <0.50 | -- | -- | 0.53 | 7.09 | |
| 12/30/2010 | P | | 3.55 | 0.00 | 6.61 | 1,000 | -- | 19 | 3.2 | 1.4 | 8.2 | 46 | -- | -- | 0.57 | 7.30 | |
| 6/29/2011 | P | | 3.58 | 0.00 | 6.58 | 60 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 3.9 | -- | -- | 0.40 | 7.6 | |
| 1/30/2012 | P | | 3.82 | 0.00 | 6.34 | 1,100 | -- | 42 | 4.5 | 0.90 | 7.2 | 64 | -- | -- | 0.66 | 7.36 | |
| 6/27/2012 | P | | 3.79 | 0.00 | 6.37 | 420 | -- | 15 | 0.74 | -- | 3.1 | 18 | -- | -- | 1.62 | 6.86 | |
| MW-2 | | | | | | | | | | | | | | | | | |
| 11/4/1992 | -- | 8.56 | 5.88 | 0.00 | 2.68 | 12,000 | -- | 3,900 | 1,300 | <0.50 | 2,300 | -- | -- | -- | -- | -- | |
| 11/4/1992 | -- | | 5.88 | 0.00 | 2.68 | 12,000 | -- | 3,200 | 980 | <0.50 | 1,900 | -- | -- | -- | -- | -- | DUP |
| 10/12/1993 | -- | | 6.29 | 0.00 | 2.27 | 4,500 | -- | 3,400 | 180 | 230 | 940 | 442 | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 5.56 | 0.00 | 3.00 | 1,800 | -- | 290 | 160 | 14 | 250 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 5.56 | 0.00 | 3.00 | 2,000 | -- | 430 | 270 | 28 | 390 | 127 | -- | -- | 4.0 | -- | DUP |
| 5/11/1994 | -- | | 5.17 | 0.00 | 3.39 | 15,000 | -- | 5,600 | 1,500 | 470 | 2,000 | 740 | -- | -- | -- | -- | DUP |
| 5/11/1994 | -- | | 5.17 | 0.00 | 3.39 | 14,000 | -- | 3,900 | 1,200 | 440 | 1,900 | 953 | -- | -- | 8.9 | -- | |
| 8/1/1994 | -- | | 5.43 | 0.00 | 3.13 | 8,200 | -- | 3,000 | 420 | 230 | 680 | 1,676 | -- | -- | 2.6 | -- | |
| 10/18/1994 | -- | | 5.71 | 0.00 | 2.85 | 9,000 | -- | 2,000 | 140 | 150 | 420 | 2,417 | -- | -- | 7.2 | -- | |
| 1/13/1995 | -- | | 4.67 | 0.00 | 3.89 | 7,900 | -- | 2,200 | 42 | <5.0 | 770 | -- | -- | -- | 6.8 | -- | |
| 4/13/1995 | -- | | 4.37 | 0.00 | 4.19 | 33,000 | -- | 8,000 | 2,500 | 1,100 | 6,600 | -- | -- | -- | 7.5 | -- | |
| 4/13/1995 | -- | | 4.37 | 0.00 | 4.19 | 25,000 | -- | 6,500 | 1,500 | 110 | 5,300 | -- | -- | -- | -- | -- | DUP |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|--------|-----|------|-----------|----|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-2 Cont. | | | | | | | | | | | | | | | | | |
| 7/11/1995 | -- | 8.56 | 4.51 | 0.00 | 4.05 | 19,000 | -- | 3,300 | 99 | 7.5 | 4,600 | -- | -- | -- | 7.8 | -- | |
| 7/11/1995 | -- | | 4.51 | 0.00 | 4.05 | 28,000 | -- | 6,800 | 1,000 | 900 | 4,900 | -- | -- | -- | -- | -- | DUP |
| 11/2/1995 | -- | | 5.55 | 0.00 | 3.01 | 20,000 | -- | 3,800 | 1,200 | 570 | 2,700 | 15,000 | -- | -- | 7.3 | -- | |
| 11/2/1995 | -- | | 5.55 | 0.00 | 3.01 | 22,000 | -- | 4,000 | 1,200 | 600 | 2,700 | 19,000 | -- | -- | -- | -- | DUP |
| 2/5/1996 | -- | | 5.10 | 0.00 | 3.46 | 1,200 | -- | 320 | 220 | 26 | 187 | 99 | -- | -- | 2.2 | -- | |
| 2/5/1996 | -- | | 5.10 | 0.00 | 3.46 | 910 | -- | 290 | 180 | 19 | 137 | 93 | -- | -- | -- | -- | DUP |
| 4/24/1996 | -- | | 4.95 | 0.00 | 3.61 | <500 | -- | 100 | 30 | <10 | 71 | <100 | -- | -- | -- | -- | |
| 4/24/1996 | -- | | 4.95 | 0.00 | 3.61 | <500 | -- | 70 | 22 | <10 | 61 | <50 | -- | -- | 7.0 | -- | DUP |
| 7/15/1996 | -- | | 5.40 | 0.00 | 3.16 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/16/1996 | -- | | -- | -- | -- | 12,000 | -- | 3,300 | 1,400 | 250 | 2,610 | 1,400 | -- | -- | 7.8 | -- | |
| 7/30/1996 | -- | | 5.44 | 0.00 | 3.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 7.06 | 0.00 | 1.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | 9,200 | -- | 1,300 | 170 | <25 | 2,240 | 1,100 | -- | -- | -- | -- | DUP |
| 11/5/1996 | -- | | -- | -- | -- | 7,200 | -- | 1,400 | 230 | 38 | 2,110 | 1,100 | -- | -- | 7.4 | -- | |
| 5/17/1997 | -- | | 5.77 | 0.00 | 2.79 | 570 | -- | 42 | <5.0 | 5.0 | 60 | 210 | -- | -- | 6.9 | -- | |
| 8/11/1997 | -- | | 5.71 | 0.00 | 2.85 | 6,300 | -- | 1,800 | 130 | 86 | 397 | 2,400 | -- | -- | 8.5 | -- | |
| 11/17/1997 | -- | | 6.91 | 0.00 | 1.65 | 2,400 | -- | 220 | 30 | 33 | 259 | 130 | -- | -- | 7.9 | -- | |
| 1/29/1998 | -- | | 4.61 | 0.00 | 3.95 | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 6.2 | -- | |
| 6/22/1998 | -- | | 4.80 | 0.00 | 3.76 | 4,200 | -- | 640 | 150 | 120 | 650 | 560 | -- | -- | 5.4 | -- | |
| 12/30/1998 | -- | | 5.21 | 0.00 | 3.35 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 5.30 | 0.00 | 3.26 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 4.75 | 0.00 | 3.81 | 3,800 | -- | 760 | 19 | 210 | 960 | 910 | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 4.51 | 0.00 | 4.05 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 4.21 | 0.00 | 4.35 | 2,500 | -- | 780 | 17 | 44 | 270 | 2,800 | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 4.66 | 0.00 | 3.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/6/2000 | -- | | 4.71 | 0.00 | 3.85 | 3,700 | -- | 1,200 | 5.5 | 12 | 170 | 12,000 | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 4.74 | 0.00 | 3.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 4.79 | 0.00 | 3.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|--------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-2 Cont. | | | | | | | | | | | | | | | | | |
| 9/19/2001 | -- | 8.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 12/28/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/12/2002 | -- | | 4.25 | 0.00 | 4.31 | 26,000 | -- | 1,160 | 4.4 | 61 | 171 | 37,300 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 4.94 | 0.00 | 3.62 | 18,000 | -- | 578 | <50 | <50 | <100 | 84,600 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 5.23 | 0.00 | 3.33 | 26,000 | -- | 440 | <50 | <50 | <50 | 45,000 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 4.94 | 0.00 | 3.62 | 69,000 | -- | 1,200 | <500 | <500 | <500 | 98,000 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 4.14 | 0.00 | 4.42 | 78,000 | -- | 1,100 | <500 | <500 | <500 | 81,000 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 4.66 | 0.00 | 3.90 | 120,000 | -- | 1,100 | <1,000 | <1,000 | <1,000 | 72,000 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 4.90 | Sheen | 3.66 | 71,000 | -- | 590 | <500 | <500 | <500 | 83,000 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 4.59 | 0.00 | 3.97 | 22,000 | -- | 720 | <100 | <100 | <100 | 18,000 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 4.37 | 0.00 | 4.19 | <25,000 | -- | 690 | <250 | <250 | <250 | 31,000 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 4.59 | 0.00 | 3.97 | 140,000 | -- | 8,200 | 18,000 | 4,200 | 19,000 | 11,000 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 4.59 | 0.00 | 3.97 | 140,000 | -- | 8,200 | 18,000 | 4,200 | 19,000 | 11,000 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 4.79 | 0.00 | 3.77 | 98,000 | -- | 8,400 | 13,000 | 4,600 | 21,000 | 10,000 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 4.27 | Sheen | 4.29 | 92,000 | -- | 6,600 | 9,900 | 4,400 | 18,000 | 10,000 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 11.39 | 4.00 | 0.00 | 7.39 | 80,000 | -- | 6,700 | 4,900 | 4,400 | 17,000 | 8,200 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 4.86 | 0.00 | 6.53 | 98,000 | -- | 7,700 | 7,400 | 4,700 | 20,000 | 16,000 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 4.28 | 0.00 | 7.11 | 210,000 | -- | 15,000 | 21,000 | 7,300 | 31,000 | 22,000 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 3.60 | 0.00 | 7.79 | 79,000 | -- | 9,100 | 12,000 | 4,300 | 17,000 | 13,000 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 4.28 | Sheen | 7.11 | 79,000 | -- | 9,700 | 8,700 | 4,900 | 20,000 | 8,000 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 4.61 | 0.00 | 6.78 | 68,000 | -- | 12,000 | 9,300 | 4,100 | 14,000 | 16,000 | -- | -- | -- | -- | |
| 12/1/2006 | -- | | 4.55 | 0.00 | 6.84 | 61,000 | -- | 15,000 | 6,900 | 4,400 | 17,000 | 10,000 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 4.14 | 0.00 | 7.25 | 80,000 | -- | 9,300 | 5,500 | 4,100 | 15,000 | 8,300 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 4.34 | 0.00 | 7.05 | 120,000 | -- | 12,000 | 6,400 | 4,200 | 11,000 | 17,000 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 5.35 | 0.00 | 6.04 | <5,000 | -- | 770 | <50 | 140 | <100 | 2,300 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 5.19 | 0.00 | 6.20 | 27,000 | -- | 4,500 | 220 | 1,600 | 2,800 | 5,200 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 4.41 | 0.00 | 6.98 | 44,000 | -- | 6,100 | 320 | 3,800 | 6,600 | 4,900 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 5.25 | 0.00 | 6.14 | 13,000 | -- | 1,700 | <50 | 300 | 210 | 2,500 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 5.81 | 0.00 | 5.58 | 4,800 | -- | 220 | 12 | 20 | 42 | 960 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 5.50 | 0.00 | 5.89 | 5,700 | -- | 950 | 19 | 170 | 70 | 1,800 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|-----------|--------------|------------|---------------|---------------|--------------|-----------|-----------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-2 Cont. | | | | | | | | | | | | | | | | | |
| 3/9/2009 | -- | 11.39 | 4.35 | 0.00 | 7.04 | 25,000 | -- | 3,200 | 73 | 2,800 | 2,200 | 2,200 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 4.90 | 0.00 | 6.49 | 55,000 | -- | 4,700 | 740 | 3,800 | 8,100 | 2,800 | -- | -- | 0.27 | -- | |
| 12/10/2009 | -- | | 5.29 | 0.00 | 6.10 | 2200 | -- | 250 | 7.3 | 13 | 14 | 360 | -- | -- | 0.65 | -- | |
| 6/29/2010 | P | | 5.03 | 0.00 | 6.36 | 5,300 | -- | 800 | <25 | 250 | 300 | 770 | -- | -- | 0.60 | 6.91 | Odor |
| 12/30/2010 | P | | 4.22 | 0.00 | 7.17 | 19,000 | -- | 3,500 | 58 | 2,000 | 1,000 | 1,700 | -- | -- | -- | 7.25 | |
| 6/29/2011 | P | | 4.51 | 0.00 | 6.88 | 12,000 | -- | 3,200 | 41 | 920 | 150 | 2,100 | -- | -- | 0.41 | 7.1 | |
| 1/30/2012 | P | | 4.93 | 0.00 | 6.46 | 13,000 | -- | 3,000 | 45 | 640 | 370 | 1,700 | -- | -- | 0.63 | 7.21 | |
| 6/27/2012 | P | | 4.72 | 0.00 | 6.67 | 23,000 | -- | 3,900 | 110 | 2,300 | 2,000 | 2,600 | -- | -- | 1.24 | 6.46 | |
| MW-3 | | | | | | | | | | | | | | | | | |
| 11/4/1992 | -- | 8.25 | 6.38 | 0.00 | 1.87 | 200 | 690 | 1.6 | <0.50 | <0.50 | 1.1 | -- | <5,000 | ND | -- | -- | |
| 10/12/1993 | -- | | 5.84 | 0.00 | 2.41 | 270 | 2,100 | 5.0 | 0.70 | <0.50 | 2.6 | 96 | <5,000 | ND | -- | -- | DUP |
| 10/12/1993 | -- | | 5.84 | 0.00 | 2.41 | 150 | -- | 5.6 | 0.60 | <0.50 | 1.6 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 6.60 | 0.00 | 1.65 | 140 | 2.3 | 5.7 | <0.50 | <0.50 | <0.50 | 30 | 90 | ND | 3.9 | -- | |
| 5/11/1994 | -- | | 5.86 | 0.00 | 2.39 | 190 | 2,500 | 2.7 | 1.9 | <0.50 | 1.9 | 51 | <5,000 | ND | 9.2 | -- | |
| 8/1/1994 | -- | | 6.13 | 0.00 | 2.12 | 120 | 1,300 | 1.3 | <0.50 | 0.50 | 1.1 | 18 | <5,000 | ND | 2.9 | -- | |
| 10/18/1994 | -- | | 6.39 | 0.00 | 1.86 | 100 | 2,200 | 2.3 | <0.50 | <0.50 | <0.50 | 21 | <5,000 | ND | 3.6 | -- | |
| 1/13/1995 | -- | | 5.47 | 0.00 | 2.78 | <50 | 970 | 0.80 | <0.50 | <0.50 | <1.0 | -- | -- | ND | 7.7 | -- | |
| 4/13/1995 | -- | | 5.17 | 0.00 | 3.08 | 530 | <500 | 8.7 | 1.9 | <0.50 | 3.9 | -- | 2,100 | ND | 8.4 | -- | |
| 7/11/1995 | -- | | 5.37 | 0.00 | 2.88 | 78 | 2,100 | 0.57 | <0.50 | <0.50 | <1.0 | -- | 1,900 | ND | 8.3 | -- | |
| 11/2/1995 | -- | | 6.29 | 0.00 | 1.96 | 250 | 2,000 | 0.73 | <0.50 | <0.50 | 1.8 | 270 | 1,400 | ND | 8.3 | -- | |
| 2/5/1996 | -- | | 5.80 | 0.00 | 2.45 | <50 | 1,600 | <0.50 | <1.0 | <1.0 | 2.7 | 11 | 9,000 | ND | 3.5 | -- | |
| 4/24/1996 | -- | | 5.69 | 0.00 | 2.56 | <50 | 2,800 | <5.0 | <10 | <10 | <10 | 150 | 6,000 | ND | 8.6 | -- | |
| 7/15/1996 | -- | | 6.18 | 0.00 | 2.07 | <250 | 3,700 | <2.5 | <5.0 | <5.0 | <5.0 | <50 | 1,000 | ND | 7.7 | -- | |
| 7/30/1996 | -- | | 6.04 | 0.00 | 2.21 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 7.84 | 0.00 | 0.41 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | 90 | 890 | <0.50 | <1.0 | <1.0 | <1.0 | 30 | 2,000 | ND | 6.8 | -- | |
| 5/17/1997 | -- | | 6.49 | 0.00 | 1.76 | <50 | 2,100 | <0.50 | <1.0 | <1.0 | <1.0 | 52 | 700 | ND | 6.3 | -- | |
| 8/11/1997 | -- | | 6.15 | 0.00 | 2.10 | 490 | 1,900 | <2.5 | <5.0 | <5.0 | <5.0 | 170 | <5,000 | ND | 7.4 | -- | |
| 11/17/1997 | -- | | 7.15 | 0.00 | 1.10 | 120 | 2,500 | <0.50 | <1.0 | <1.0 | <1.0 | 46 | <5,000 | ND | 7.0 | -- | |
| 1/29/1998 | -- | | 5.10 | 0.00 | 3.15 | 270 | 1,700 | 0.53 | <1.0 | <1.0 | <1.0 | 330 | 2,000 | ND | 6.4 | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|-------|--------|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-3 Cont. | | | | | | | | | | | | | | | | | |
| 6/22/1998 | -- | 8.25 | 5.50 | 0.00 | 2.75 | 200 | 2,200 | <0.50 | <1.0 | <1.0 | <1.0 | 130 | <5.0 | ND | 5.5 | -- | |
| 12/30/1998 | -- | | 6.68 | 0.00 | 1.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 5.53 | 0.00 | 2.72 | 60 | 840 | <1.0 | <1.0 | <1.0 | <1.0 | 19 | 7,600 | -- | -- | -- | |
| 6/23/1999 | -- | | 6.60 | 0.00 | 1.65 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 6.17 | 0.00 | 2.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 6.00 | 0.00 | 2.25 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 4.77 | 0.00 | 3.48 | 690 | <58 | 4.2 | 3.1 | 0.81 | 2.7 | 2,900 | 13,000 | -- | -- | -- | |
| 5/26/2000 | -- | | 5.28 | 0.00 | 2.97 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 5.58 | 0.00 | 2.67 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 11.74 | 0.00 | -3.49 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | DTW anomalous |
| 3/29/2001 | -- | | 5.04 | 0.00 | 3.21 | 650 | <50 | <2.5 | <2.5 | <2.5 | <7.5 | 680 | 6,540 | -- | -- | -- | |
| 6/27/2001 | -- | | 5.62 | 0.00 | 2.63 | 460 | 690 | <2.5 | <2.5 | <2.5 | <7.5 | 560 | <5,000 | -- | -- | -- | |
| 9/19/2001 | -- | | 5.80 | 0.00 | 2.45 | <500 | 520 | <5.0 | <5.0 | <5.0 | <15 | 464 | <5,000 | -- | -- | -- | |
| 12/28/2001 | -- | | 4.85 | 0.00 | 3.40 | 180 | 550 | <0.50 | <0.50 | <0.50 | <1.0 | 180 | <5,000 | -- | -- | -- | |
| 3/12/2002 | -- | | 4.39 | 0.00 | 3.86 | 410 | 1,300 | <2.5 | <2.5 | <2.5 | <5.0 | 443 | <5,000 | -- | -- | -- | |
| 6/13/2002 | -- | | 5.38 | 0.00 | 2.87 | <250 | 2,600 | <2.5 | <2.5 | <2.5 | <5.0 | 395 | <5,000 | -- | -- | -- | |
| 9/6/2002 | -- | | 5.68 | 0.00 | 2.57 | <200 | -- | <2.0 | <2.0 | <2.0 | <2.0 | 650 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 5.37 | 0.00 | 2.88 | <50 | 980 | <0.50 | <0.50 | <0.50 | <0.50 | 60 | 7,000 | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 4.80 | 0.00 | 3.45 | <1,000 | 380 | <10 | <10 | <10 | <10 | 120 | 6,700 | -- | -- | -- | |
| 6/6/2003 | -- | | 5.13 | 0.00 | 3.12 | <500 | 620 | <5.0 | <5.0 | <5.0 | <5.0 | 180 | 7.9 | -- | -- | -- | |
| 8/7/2003 | -- | | 5.43 | 0.00 | 2.82 | <500 | 820 | 5.7 | <5.0 | <5.0 | <5.0 | 290 | 5.4 | -- | -- | -- | b (DRO) |
| 11/20/2003 | -- | | 4.72 | 0.00 | 3.53 | <50 | 1,200 | <0.50 | <0.50 | <0.50 | <0.50 | 17 | -- | -- | -- | -- | b (DRO) |
| 4/28/2004 | -- | | 4.87 | 0.00 | 3.38 | <100 | 240 | <1.0 | <1.0 | <1.0 | <1.0 | 87 | -- | -- | -- | -- | b (DRO) |
| 8/26/2004 | -- | | 5.42 | 0.00 | 2.83 | 56 | 250 | <0.50 | <0.50 | <0.50 | <0.50 | 34 | -- | -- | -- | -- | b (DRO) |
| 8/26/2004 | -- | | 5.42 | 0.00 | 2.83 | 56 | 250 | <0.50 | <0.50 | <0.50 | <0.50 | 34 | -- | -- | -- | -- | b (DRO) |
| 12/1/2004 | -- | | 5.69 | 0.00 | 2.56 | <100 | 690 | <1.0 | <1.0 | <1.0 | <1.0 | 7.4 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 4.72 | 0.00 | 3.53 | <100 | 730 | <1.0 | <1.0 | <1.0 | <1.0 | 20 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 10.73 | 4.75 | 0.00 | 5.98 | <250 | 520 | <2.5 | <2.5 | <2.5 | <2.5 | 220 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 5.30 | 0.00 | 5.43 | <50 | 300 | <0.50 | <0.50 | <0.50 | <1.0 | 8.2 | -- | -- | -- | -- | b (DRO) |
| 12/28/2005 | -- | | 4.41 | 0.00 | 6.32 | <50 | 100 | <0.50 | <0.50 | <0.50 | <1.0 | 0.66 | <2.0 | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|------------|-----------|-----------|---------------|---------------|------------|-----------|-----------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-3 Cont. | | | | | | | | | | | | | | | | | |
| 3/23/2006 | -- | 10.73 | 4.43 | 0.00 | 6.30 | <50 | 260 | <0.50 | <0.50 | <0.50 | <1.0 | 13 | <2.0 | -- | -- | -- | |
| 6/5/2006 | -- | | 4.95 | 0.00 | 5.78 | 61 | 340 | 0.69 | 1.4 | 0.85 | 3.6 | 29 | <2.0 | -- | -- | -- | |
| 9/19/2006 | -- | | 5.19 | 0.00 | 5.54 | <50 | 330 | <0.50 | <0.50 | <0.50 | <1.0 | 4.1 | <2.0 | -- | -- | -- | |
| 12/1/2006 | -- | | 5.37 | 0.00 | 5.36 | <50 | 130 | <0.50 | <0.50 | <0.50 | <1.0 | 2.0 | <2.0 | -- | -- | -- | |
| 3/1/2007 | -- | | 4.62 | 0.00 | 6.11 | <50 | 120 | <0.50 | <0.50 | <0.50 | <1.0 | 3.8 | <2.0 | -- | -- | -- | |
| 6/1/2007 | -- | | 5.53 | 0.00 | 5.20 | <50 | 350 | <0.50 | <0.50 | <0.50 | <1.0 | 3.7 | <2.0 | -- | -- | -- | |
| 9/13/2007 | -- | | 6.17 | 0.00 | 4.56 | <250 | 1,200 | <2.5 | <2.5 | <2.5 | <5.0 | 2.6 | <2.0 | -- | -- | -- | |
| 11/21/2007 | -- | | 6.16 | 0.00 | 4.57 | <250 | 1,600 | <2.5 | <2.5 | <2.5 | <5.0 | 3.4 | <2.0 | -- | -- | -- | |
| 2/29/2008 | -- | | 5.38 | 0.00 | 5.35 | <50 | 350 | <0.50 | <0.50 | <0.50 | <1.0 | 0.90 | <2.0 | -- | -- | -- | |
| 5/23/2008 | -- | | 6.07 | 0.00 | 4.66 | <500 | 1,100 | <5.0 | <5.0 | <5.0 | <10 | <5.0 | <2.0 | -- | -- | -- | |
| 9/26/2008 | -- | | 6.46 | 0.00 | 4.27 | 120 | 3,000 | <1.0 | <1.0 | <1.0 | <1.0 | 4.8 | <5,000 | -- | -- | -- | |
| 12/23/2008 | -- | | 6.36 | 0.00 | 4.37 | 87 | 2,800 | <1.0 | <1.0 | <1.0 | <1.0 | 4.9 | <5,000 | -- | -- | -- | |
| 3/9/2009 | -- | | 5.31 | 0.00 | 5.42 | <50 | 900 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <5,000 | -- | -- | -- | |
| 5/28/2009 | -- | | 5.77 | 0.00 | 4.96 | <50 | 1,600 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | <5,000 | -- | 0.19 | -- | |
| 12/10/2009 | -- | | 5.67 | 0.00 | 5.06 | <50 | 450 | <0.50 | <0.50 | <0.50 | <1.0 | 0.86 | 790 | -- | 0.72 | -- | a |
| 6/29/2010 | P | | 5.85 | 0.00 | 4.88 | <50 | 2,700 | <0.50 | <0.50 | <0.50 | <1.0 | 1.9 | -- | -- | 0.52 | 7.36 | |
| 12/30/2010 | P | | 4.33 | 0.00 | 6.40 | <50 | 520 | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | 7.31 | |
| 6/29/2011 | P | | 5.00 | 0.00 | 5.73 | <50 | 250 | -- | -- | -- | -- | 0.73 | -- | -- | 0.45 | 7.4 | |
| 1/30/2012 | P | | 5.22 | 0.00 | 5.51 | <50 | 160 | -- | -- | -- | -- | <0.50 | -- | -- | 1.21 | 7.50 | |
| 6/27/2012 | P | | 5.19 | 0.00 | 5.54 | <50 | 270 | -- | -- | -- | -- | 1.6 | -- | -- | 1.14 | 7.05 | |
| MW-4 | | | | | | | | | | | | | | | | | |
| 11/4/1992 | -- | 8.12 | 6.66 | 0.00 | 1.46 | 340 | -- | 4.5 | <0.50 | 4.3 | <0.50 | -- | -- | -- | -- | -- | |
| 10/12/1993 | -- | | 6.87 | 0.00 | 1.25 | 160 | -- | 5.8 | 1.4 | 0.80 | 2.7 | 261 | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 6.61 | 0.00 | 1.51 | 110 | -- | 4.4 | 0.70 | <0.50 | 2.5 | 118 | -- | -- | 4.3 | -- | |
| 5/11/1994 | -- | | 5.89 | 0.00 | 2.23 | 120 | -- | 0.50 | 0.80 | <0.50 | <0.50 | 137 | -- | -- | 9.3 | -- | |
| 8/1/1994 | -- | | 6.87 | 0.00 | 1.25 | 140 | -- | 0.70 | 2.0 | 5.2 | 15 | 138 | -- | -- | 3.3 | -- | |
| 10/18/1994 | -- | | 6.62 | 0.00 | 1.50 | 140 | -- | 3.5 | <0.50 | 0.50 | <0.50 | 197 | -- | -- | 3.0 | -- | |
| 1/13/1995 | -- | | 7.27 | 0.00 | 0.85 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 7.9 | -- | |
| 4/13/1995 | -- | | 6.51 | 0.00 | 1.61 | 73 | -- | 1.2 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 9.9 | -- | |
| 7/11/1995 | -- | | 6.21 | 0.00 | 1.91 | 82 | -- | 0.57 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 7.2 | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|-------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-4 Cont. | | | | | | | | | | | | | | | | | |
| 11/2/1995 | -- | 8.12 | 6.78 | 0.00 | 1.34 | 71 | -- | 1.4 | 0.96 | 0.99 | 2.8 | 140 | -- | -- | 8.6 | -- | |
| 2/5/1996 | -- | | 6.41 | 0.00 | 1.71 | <50 | -- | <5.0 | <10 | <10 | <10 | 200 | -- | -- | 4.4 | -- | |
| 4/24/1996 | -- | | 6.18 | 0.00 | 1.94 | <250 | -- | <2.5 | <5.0 | <5.0 | <5.0 | 510 | -- | -- | 8.3 | -- | |
| 7/15/1996 | -- | | 6.63 | 0.00 | 1.49 | <50 | -- | 5.7 | <1.0 | <1.0 | <1.0 | 550 | -- | -- | 7.4 | -- | |
| 7/30/1996 | -- | | 6.34 | 0.00 | 1.78 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 8.27 | 0.00 | -0.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | 460 | -- | <2.5 | 11 | <5.0 | <5.0 | 620 | -- | -- | 7.3 | -- | |
| 5/17/1997 | -- | | 7.00 | 0.00 | 1.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | | 6.81 | 0.00 | 1.31 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | | 9.19 | 0.00 | -1.07 | 840 | -- | <0.50 | <1.0 | <1.0 | <1.0 | 880 | -- | -- | 7.3 | -- | |
| 1/29/1998 | -- | | 7.94 | 0.00 | 0.18 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | | 7.49 | 0.00 | 0.63 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | | 8.21 | 0.00 | -0.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 7.70 | 0.00 | 0.42 | 1,200 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 2,000 | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 8.81 | 0.00 | -0.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 8.32 | 0.00 | -0.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 8.21 | 0.00 | -0.09 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 6.74 | 0.00 | 1.38 | 910 | -- | <0.50 | <0.50 | 0.54 | 1.7 | 3,800 | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 5.13 | 0.00 | 2.99 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 8.20 | 0.00 | -0.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 8.31 | 0.00 | -0.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | | 7.57 | 0.00 | 0.55 | 2,800 | -- | 19 | <2.5 | <2.5 | <7.5 | 4,220 | -- | -- | -- | -- | |
| 9/19/2001 | -- | | 7.87 | 0.00 | 0.25 | 2,500 | -- | <5.0 | <5.0 | <5.0 | <15 | 3,340 | -- | -- | -- | -- | |
| 12/28/2001 | -- | | 7.80 | 0.00 | 0.32 | 4,400 | -- | <5.0 | <5.0 | <5.0 | <10 | 5,330 | -- | -- | -- | -- | |
| 3/12/2002 | -- | | 4.53 | 0.00 | 3.59 | 6,400 | -- | 72 | <5.0 | <5.0 | <10 | 8,440 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 6.21 | 0.00 | 1.91 | 1,800 | -- | 7.5 | <5.0 | 5.0 | 13 | 6,870 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 7.78 | 0.00 | 0.34 | <2,000 | -- | <20 | <20 | <20 | <20 | 9,600 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 7.87 | 0.00 | 0.25 | 5,600 | -- | <50 | <50 | <50 | <50 | 8,600 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 4.84 | 0.00 | 3.28 | <10,000 | -- | <100 | <100 | <100 | <100 | 8,000 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|------------|---------|---------|---------------|---------------|------------|-----|------|-------------|-------------|-----------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-4 Cont. | | | | | | | | | | | | | | | | | |
| 6/6/2003 | -- | 8.12 | 7.98 | 0.00 | 0.14 | 13,000 | -- | <50 | <50 | <50 | <50 | 6,800 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 7.24 | 0.00 | 0.88 | 6,200 | -- | <50 | <50 | <50 | <50 | 6,600 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 7.02 | 0.00 | 1.10 | 10,000 | -- | <100 | <100 | <100 | <100 | 11,000 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 4.81 | 0.00 | 3.31 | <25,000 | -- | <250 | <250 | <250 | <250 | 3,600 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 5.65 | 0.00 | 2.47 | <2,500 | -- | <25 | <25 | <25 | <25 | 1,800 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 7.34 | 0.00 | 0.78 | 1,100 | -- | <10 | <10 | <10 | <10 | 450 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 7.61 | 0.00 | 0.51 | 1,000 | -- | <5.0 | <5.0 | <5.0 | <5.0 | 410 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 10.58 | 7.25 | 0.00 | 3.33 | 720 | -- | 8.0 | 5.3 | <5.0 | 16 | 170 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 7.72 | 0.00 | 2.86 | <2,500 | -- | 63 | 58 | 46 | 140 | 110 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 7.48 | 0.00 | 3.10 | <2,500 | -- | <25 | <25 | <25 | <50 | 34 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 4.42 | 0.00 | 6.16 | <2,500 | -- | <25 | <25 | <25 | <50 | 120 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 4.97 | 0.00 | 5.61 | <5,000 | -- | <50 | <50 | <50 | <100 | <50 | -- | -- | -- | -- | Well purged dry |
| 9/19/2006 | -- | | 5.45 | 0.00 | 5.13 | <5,000 | -- | <50 | <50 | <50 | <100 | 110 | -- | -- | -- | -- | Well purged dry |
| 12/1/2006 | -- | | 5.14 | 0.00 | 5.44 | <5,000 | -- | <50 | <50 | <50 | <100 | 68 | -- | -- | -- | -- | Well purged dry |
| 3/1/2007 | -- | | 7.60 | 0.00 | 2.98 | <5,000 | -- | <50 | <50 | <50 | <100 | <50 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 5.21 | 0.00 | 5.37 | 2,700 | -- | <25 | <25 | <25 | <50 | 31 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 6.45 | 0.00 | 4.13 | <2,500 | -- | <25 | <25 | <25 | <50 | <25 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 5.68 | 0.00 | 4.90 | <2,500 | -- | <25 | <25 | <25 | <50 | <25 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 6.44 | 0.00 | 4.14 | <5,000 | -- | <50 | <50 | <50 | <100 | <50 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 6.01 | 0.00 | 4.57 | <5,000 | -- | <50 | <50 | <50 | <100 | <50 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 7.37 | 0.00 | 3.21 | 370 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 14 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 6.04 | 0.00 | 4.54 | 270 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 15 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 5.30 | 0.00 | 5.28 | 140 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 18 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 7.06 | 0.00 | 3.52 | 330 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 21 | -- | -- | 0.41 | -- | |
| 12/10/2009 | -- | | 6.24 | 0.00 | 4.34 | 660 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 10 | -- | -- | 0.49 | -- | Well purged dry |
| 6/29/2010 | P | | 6.57 | 0.00 | 4.01 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 7.3 | -- | -- | -- | 7.43 | Well purged dry |
| 12/30/2010 | P | | 7.32 | 0.00 | 3.26 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 11 | -- | -- | -- | 7.01 | Well purged dry |
| 6/29/2011 | P | | 6.43 | 0.00 | 4.15 | <500 | 610 | -- | -- | -- | -- | 11 | -- | -- | 0.45 | 7.6 | |
| 1/30/2012 | P | | 6.72 | 0.00 | 3.86 | 72 | 530 | -- | -- | -- | -- | 11 | -- | -- | 0.55 | 7.71 | |
| 6/29/2012 | P | | 5.50 | 0.00 | 5.08 | <500 | 480 | -- | -- | -- | -- | 9.3 | -- | -- | 1.21 | 6.72 | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|---------|-----|------|-----------|----|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-5 | | | | | | | | | | | | | | | | | |
| 10/12/1993 | -- | 7.69 | 6.01 | 0.00 | 1.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/13/1993 | -- | | -- | -- | -- | 2,300 | -- | 160 | 10 | <0.50 | 26 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 5.74 | 0.00 | 1.95 | 5,100 | -- | 710 | 16 | 33 | 35 | 153 | -- | -- | 4.0 | -- | |
| 5/11/1994 | -- | | 5.28 | 0.00 | 2.41 | 11,000 | -- | 1,100 | 39 | 110 | 57 | 165 | -- | -- | 8.0 | -- | |
| 8/1/1994 | -- | | 5.84 | 0.00 | 1.85 | 9,000 | -- | 730 | 35 | 61 | 41 | 196 | -- | -- | 2.6 | -- | |
| 10/18/1994 | -- | | 6.01 | 0.00 | 1.68 | 7,800 | -- | 330 | 30 | 27 | 27 | 559 | -- | -- | 5.6 | -- | |
| 1/13/1995 | -- | | 4.74 | 0.00 | 2.95 | <500 | -- | 290 | 6.0 | <5.0 | 18 | -- | -- | -- | 6.8 | -- | |
| 4/13/1995 | -- | | 5.50 | 0.00 | 2.19 | 9,100 | -- | 400 | 15 | 52 | 27 | -- | -- | -- | 7.4 | -- | |
| 7/11/1995 | -- | | 5.75 | 0.00 | 1.94 | 7,300 | -- | 390 | 13 | 28 | 23 | -- | -- | -- | 7.2 | -- | |
| 11/3/1995 | -- | | 6.65 | 0.00 | 1.04 | 7,200 | -- | 270 | 15 | 38 | 23 | 200 | -- | -- | 8.4 | -- | |
| 2/5/1996 | -- | | 4.83 | 0.00 | 2.86 | 4,600 | -- | 370 | 15 | 53 | 28 | <50 | -- | -- | 1.9 | -- | |
| 4/24/1996 | -- | | 6.09 | 0.00 | 1.60 | 3,000 | -- | 180 | <10 | 32 | 14 | <100 | -- | -- | 8.1 | -- | |
| 7/15/1996 | -- | | 6.57 | 0.00 | 1.12 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/16/1996 | -- | | -- | -- | -- | <50 | -- | 190 | <10 | 31 | 16 | <100 | -- | -- | 8.3 | -- | |
| 7/30/1996 | -- | | 5.61 | 0.00 | 2.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/12/1996 | -- | | -- | -- | -- | 2,000 | -- | 150 | 12 | 25 | 18 | <50 | -- | -- | 7.6 | -- | |
| 11/4/1996 | -- | | 8.25 | 0.00 | -0.56 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | 5,200 | -- | 42 | 5.5 | 13 | <5.0 | 1,700 | -- | -- | 7.4 | -- | |
| 5/17/1997 | -- | | 6.95 | 0.00 | 0.74 | 80 | -- | 0.56 | <1.0 | <1.0 | <1.0 | 46 | -- | -- | 6.7 | -- | |
| 8/11/1997 | -- | | 6.72 | 0.00 | 0.97 | 2,700 | -- | 20 | 12 | 6.7 | 9.7 | 1,900 | -- | -- | 8.5 | -- | |
| 11/17/1997 | -- | | 9.49 | 0.00 | -1.80 | 8,400 | -- | 25 | 12 | 8.7 | 5.4 | 13,000 | -- | -- | 7.9 | -- | |
| 1/29/1998 | -- | | 7.88 | 0.00 | -0.19 | 110,000 | -- | 2,500 | 110 | 180 | 589 | 180,000 | -- | -- | 6.8 | -- | |
| 6/22/1998 | -- | | 7.40 | 0.00 | 0.29 | 4,400 | -- | 47 | 10 | 29 | 21 | 47 | -- | -- | 6.6 | -- | |
| 12/30/1998 | -- | | 6.13 | 0.00 | 1.56 | 6,000 | -- | 18 | 9.1 | 22 | 16 | 63 | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 4.79 | 0.00 | 2.90 | 4,600 | -- | 8.8 | 5.5 | 12 | 11 | 24 | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 5.95 | 0.00 | 1.74 | 3,400 | -- | 1,500 | 8.9 | 54 | 87 | 7,500 | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 5.43 | 0.00 | 2.26 | 2,600 | -- | 510 | 14 | 140 | 650 | 580 | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 5.30 | 0.00 | 2.39 | 3,500 | -- | 900 | 18 | 57 | 140 | 4,800 | -- | -- | -- | -- | |
| 3/22/2000 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 5/26/2000 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-5 Cont. | | | | | | | | | | | | | | | | | |
| 9/6/2000 | -- | 7.69 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 9/15/2000 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 12/11/2000 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/29/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 9/19/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 12/28/2001 | -- | | 4.65 | 0.00 | 3.04 | 4,600 | -- | 20 | 25 | 16 | 57 | 72 | -- | -- | -- | -- | |
| 3/12/2002 | -- | | 5.35 | 0.00 | 2.34 | 5,100 | -- | 45 | 14 | 22 | 39 | 32 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 5.34 | 0.00 | 2.35 | 2,900 | -- | 32 | <12.5 | <12.5 | <25 | 616 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 5.46 | 0.00 | 2.23 | 3,400 | -- | 23 | 5.5 | <5.0 | 11 | 230 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 5.47 | 0.00 | 2.22 | 2,500 | -- | 12 | 9.3 | 4.6 | 8.8 | 110 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 5.29 | 0.00 | 2.40 | 2,800 | -- | 11 | 5.4 | 9.7 | 12 | 6.4 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 5.30 | 0.00 | 2.39 | 3,200 | -- | 9.1 | <5.0 | 7.6 | 9.3 | <5.0 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 5.33 | 0.00 | 2.36 | 2,200 | -- | 7.3 | <5.0 | <5.0 | 9.1 | 18 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 5.39 | 0.00 | 2.30 | 3,500 | -- | 12 | 5.4 | 6.4 | 12 | 12 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 5.53 | 0.00 | 2.16 | 5,700 | -- | 7.8 | 4.2 | 5.2 | 11 | 11 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 5.42 | 0.00 | 2.27 | 2,400 | -- | 23 | 4.0 | 3.6 | 11 | 74 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 5.38 | 0.00 | 2.31 | 4,300 | -- | 11 | <5.0 | 5.5 | 15 | <5.0 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 5.48 | 0.00 | 2.21 | 4,000 | -- | 8.4 | 4.8 | 4.0 | 10 | 11 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 10.18 | 5.52 | 0.00 | 4.66 | 5,200 | -- | 7.6 | 4.0 | 4.3 | 9.9 | 12 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 5.04 | 0.00 | 5.14 | 4,100 | -- | 5.3 | 2.7 | 2.1 | 8.0 | 16 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 4.85 | 0.00 | 5.33 | 7,700 | -- | 7.7 | 3.3 | 2.9 | 7.1 | 3.8 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 5.07 | 0.00 | 5.11 | 5,700 | -- | 11 | 3.3 | 2.4 | 8.1 | 8.6 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 5.39 | Sheen | 4.79 | 5,900 | -- | 36 | 5.0 | 3.7 | 15 | 11 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 4.75 | 0.00 | 5.43 | 4,600 | -- | 6.7 | <2.5 | <2.5 | <5.0 | 12 | -- | -- | -- | -- | |
| 12/1/2006 | -- | | 5.29 | 0.00 | 4.89 | 4,400 | -- | 5.0 | <2.5 | <2.5 | 5.8 | 14 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 5.01 | 0.00 | 5.17 | 6,400 | -- | 6.2 | 3.0 | <2.5 | 8.7 | <2.5 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 5.34 | 0.00 | 4.84 | 7,000 | -- | 3.4 | <2.5 | <2.5 | 6.6 | 11 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 5.11 | 0.00 | 5.07 | 7,000 | -- | 3.8 | <2.5 | <2.5 | <5.0 | 8.5 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 5.34 | 0.00 | 4.84 | 4,700 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 11 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|----------|------------|-----------------|-----------------|---------------|------------|-----|------|-------------|-------------|---------------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-5 Cont. | | | | | | | | | | | | | | | | | |
| 2/29/2008 | -- | 10.18 | 5.33 | 0.00 | 4.85 | 5,100 | -- | 1.9 | 1.8 | 0.93 | 4.2 | <0.50 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 5.38 | 0.00 | 4.80 | 4,600 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 3.9 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 5.26 | 0.00 | 4.92 | 3,400 | -- | 1.5 | <1.0 | <1.0 | 2.2 | 2.8 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 5.04 | 0.00 | 5.14 | 3,300 | -- | 2.7 | 1.1 | <1.0 | 3.4 | 1.0 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 4.79 | 0.00 | 5.39 | 4,300 | -- | 1.9 | 1.8 | <1.0 | 4.0 | <1.0 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 5.21 | 0.00 | 4.97 | 4,400 | -- | <1.0 | <1.0 | <1.0 | 1.8 | <1.0 | -- | -- | 2.15 | -- | |
| 12/10/2009 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA, Need traffic control |
| 6/29/2010 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA, Need traffic control |
| 12/30/2010 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA, Need traffic control |
| 6/29/2011 | P | | 5.38 | 0.00 | 4.80 | 3,300 | -- | 1.7 | 0.60 | <0.50 | 2.4 | 1.9 | -- | -- | 0.46 | 7.3 | |
| 1/30/2012 | P | | 5.24 | 0.00 | 4.94 | 3,200 | -- | 2.4 | 1.1 | <0.50 | 3.6 | 2.1 | -- | -- | 1.09 | 7.46 | |
| 6/27/2012 | P | | 5.39 | 0.00 | 4.79 | 3,000 | -- | 1.5 | <0.50 | <0.50 | 3.5 | 2.0 | -- | -- | 1.52 | 6.93 | Sampled 6/29/2012 |
| MW-6 | | | | | | | | | | | | | | | | | |
| 10/12/1993 | -- | 8.52 | 6.59 | 0.00 | 1.93 | 63 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 44 | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 6.31 | 0.00 | 2.21 | 68 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 38 | -- | -- | 3.1 | -- | |
| 5/11/1994 | -- | | 6.15 | 0.00 | 2.37 | 68 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 49 | -- | -- | 8.7 | -- | |
| 8/1/1994 | -- | | 6.46 | 0.00 | 2.06 | 91 | -- | <0.50 | <0.50 | <0.50 | 0.60 | 60 | -- | -- | 2.4 | -- | |
| 10/18/1994 | -- | | 6.72 | 0.00 | 1.80 | <50 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 85 | -- | -- | 6.0 | -- | |
| 1/13/1995 | -- | | 5.95 | 0.00 | 2.57 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 7.0 | -- | |
| 4/13/1995 | -- | | 5.44 | 0.00 | 3.08 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 8.5 | -- | |
| 7/11/1995 | -- | | 5.68 | 0.00 | 2.84 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 8.4 | -- | |
| 11/2/1995 | -- | | 6.57 | 0.00 | 1.95 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 35 | -- | -- | 8.3 | -- | |
| 2/5/1996 | -- | | 6.27 | 0.00 | 2.25 | <50 | -- | <5.0 | <10 | <10 | <10 | <100 | -- | -- | 2.2 | -- | |
| 4/24/1996 | -- | | 5.95 | 0.00 | 2.57 | <250 | -- | <2.5 | <5.0 | <5.0 | <5.0 | 62 | -- | -- | 8.0 | -- | |
| 7/15/1996 | -- | | 6.39 | 0.00 | 2.13 | <250 | -- | <2.5 | <5.0 | <5.0 | <5.0 | <50 | -- | -- | 8.0 | -- | |
| 7/30/1996 | -- | | 6.44 | 0.00 | 2.08 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 8.05 | 0.00 | 0.47 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 7.3 | -- | |
| 5/17/1997 | -- | | 6.75 | 0.00 | 1.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | | 6.48 | 0.00 | 2.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-6 Cont. | | | | | | | | | | | | | | | | | |
| 11/17/1997 | -- | 8.52 | 9.27 | 0.00 | -0.75 | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 7.7 | -- | |
| 1/29/1998 | -- | | 7.98 | 0.00 | 0.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | | 7.68 | 0.00 | 0.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | | 6.98 | 0.00 | 1.54 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 5.90 | 0.00 | 2.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 6.93 | 0.00 | 1.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 6.45 | 0.00 | 2.07 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 6.33 | 0.00 | 2.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 5.15 | 0.00 | 3.37 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 5.72 | 0.00 | 2.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 6.02 | 0.00 | 2.50 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 6.20 | 0.00 | 2.32 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | | 5.34 | 0.00 | 3.18 | 750 | -- | <2.5 | 2.9 | <2.5 | 12 | 820 | -- | -- | -- | -- | |
| 6/27/2001 | -- | | 6.00 | 0.00 | 2.52 | 760 | -- | 33 | <2.5 | <2.5 | <7.5 | 968 | -- | -- | -- | -- | |
| 9/19/2001 | -- | | 6.22 | 0.00 | 2.30 | <500 | -- | <5.0 | <5.0 | <5.0 | <15 | 879 | -- | -- | -- | -- | |
| 12/28/2001 | -- | | 4.71 | 0.00 | 3.81 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | NS |
| 3/12/2002 | -- | | 4.96 | 0.00 | 3.56 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 244 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 5.78 | 0.00 | 2.74 | <250 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 413 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 6.14 | 0.00 | 2.38 | 130 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 240 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 6.05 | 0.00 | 2.47 | 140 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 200 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 5.40 | 0.00 | 3.12 | <500 | -- | <5.0 | <5.0 | <5.0 | <5.0 | 150 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 5.54 | 0.00 | 2.98 | 1,100 | -- | <5.0 | <5.0 | <5.0 | <5.0 | 140 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 5.94 | 0.00 | 2.58 | <500 | -- | <5.0 | <5.0 | <5.0 | <5.0 | 160 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 5.85 | 0.00 | 2.67 | 95 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 74 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 5.45 | 0.00 | 3.07 | <250 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 120 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 6.06 | 0.00 | 2.46 | <250 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 110 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 6.06 | 0.00 | 2.46 | <250 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 110 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 6.19 | 0.00 | 2.33 | <250 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 86 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 5.20 | 0.00 | 3.32 | 55 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 41 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 11.01 | 5.22 | 0.00 | 5.79 | 64 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 50 | -- | -- | -- | -- | |

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Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|--------------|---------|---------|---------------|---------------|------------|-----|------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-6 Cont. | | | | | | | | | | | | | | | | | |
| 9/30/2005 | -- | 11.01 | 5.93 | 0.00 | 5.08 | 200 | -- | <2.0 | <2.0 | <2.0 | <4 | 51 | -- | -- | -- | -- | b (GRO) |
| 12/28/2005 | -- | | 5.49 | 0.00 | 5.52 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 16 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 4.59 | 0.00 | 6.42 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 5.6 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 5.38 | 0.00 | 5.63 | <50 | -- | <0.50 | 0.54 | <0.50 | <1.0 | 14 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 5.93 | 0.00 | 5.08 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 8.8 | -- | -- | -- | -- | |
| 12/1/2006 | -- | | 6.28 | 0.00 | 4.73 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 5.9 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 5.72 | 0.00 | 5.29 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 6.0 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 6.22 | 0.00 | 4.79 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 7.4 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 6.57 | 0.00 | 4.44 | 63 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 6.7 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 6.67 | 0.00 | 4.34 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 8.4 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 5.80 | 0.00 | 5.21 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 7.1 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 6.53 | 0.00 | 4.48 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 8.4 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 6.86 | 0.00 | 4.15 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 5.1 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 6.90 | 0.00 | 4.11 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 5.3 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 6.00 | 0.00 | 5.01 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 3.5 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 6.19 | 0.00 | 4.82 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 6.6 | -- | -- | 2.77 | -- | |
| 12/10/2009 | -- | | 6.15 | 0.00 | 4.86 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 2.0 | -- | -- | 0.60 | -- | |
| 6/29/2010 | P | | 6.18 | 0.00 | 4.83 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 2.7 | -- | -- | 0.57 | 7.20 | |
| 12/30/2010 | P | | 5.34 | 0.00 | 5.67 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 2.2 | -- | -- | 0.41 | 7.05 | |
| 6/29/2011 | P | | 5.53 | 0.00 | 5.48 | <50 | 2,100 | -- | -- | -- | -- | 3.6 | -- | -- | 0.03 | 7.4 | |
| 1/30/2012 | P | | 5.89 | 0.00 | 5.12 | <50 | 710 | -- | -- | -- | -- | 4.0 | -- | -- | 0.61 | 7.61 | |
| 6/27/2012 | P | | 5.68 | 0.00 | 5.33 | <50 | 1,200 | -- | -- | -- | -- | 2.2 | -- | -- | 0.94 | 6.58 | |
| MW-7 | | | | | | | | | | | | | | | | | |
| 10/12/1993 | -- | 7.61 | 6.14 | 0.00 | 1.47 | <50 | -- | <0.50 | <0.50 | <0.50 | 0.70 | <5.0 | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 5.88 | 0.00 | 1.73 | 78 | -- | <0.50 | <0.50 | <0.50 | 0.60 | <5.0 | -- | -- | 4.0 | -- | |
| 5/11/1994 | -- | | 5.76 | 0.00 | 1.85 | 70 | -- | <0.50 | <0.50 | <0.50 | 0.90 | 12 | -- | -- | 9.1 | -- | |
| 8/1/1994 | -- | | 5.97 | 0.00 | 1.64 | 77 | -- | <0.50 | <0.50 | <0.50 | 0.50 | 182 | -- | -- | 2.5 | -- | |
| 10/18/1994 | -- | | 6.24 | 0.00 | 1.37 | <50 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 52 | -- | -- | 6.3 | -- | |
| 1/13/1995 | -- | | 5.39 | 0.00 | 2.22 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 8.2 | -- | |
| 4/13/1995 | -- | | 5.17 | 0.00 | 2.44 | 63 | -- | <0.50 | <0.50 | <0.50 | 1.4 | -- | -- | -- | 8.4 | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|-------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-7 Cont. | | | | | | | | | | | | | | | | | |
| 7/11/1995 | -- | 7.61 | 5.25 | 0.00 | 2.36 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 7.9 | -- | |
| 11/2/1995 | -- | | 6.19 | 0.00 | 1.42 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 55 | -- | -- | 8.0 | -- | |
| 2/5/1996 | -- | | 5.69 | 0.00 | 1.92 | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | 40 | -- | -- | 1.9 | -- | |
| 4/24/1996 | -- | | 5.59 | 0.00 | 2.02 | <250 | -- | <2.5 | <5.0 | <5.0 | <5.0 | 53 | -- | -- | 8.2 | -- | |
| 7/15/1996 | -- | | 6.07 | 0.00 | 1.54 | <250 | -- | <2.5 | <5.0 | <5.0 | <5.0 | <50 | -- | -- | 7.8 | -- | |
| 7/30/1996 | -- | | 6.04 | 0.00 | 1.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 7.76 | 0.00 | -0.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 7.8 | -- | |
| 5/17/1997 | -- | | 6.42 | 0.00 | 1.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | | 6.06 | 0.00 | 1.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | | 9.07 | 0.00 | -1.46 | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 7.1 | -- | |
| 1/29/1998 | -- | | 7.44 | 0.00 | 0.17 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | | 7.39 | 0.00 | 0.22 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | | 5.51 | 0.00 | 2.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 5.57 | 0.00 | 2.04 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 6.69 | 0.00 | 0.92 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 6.23 | 0.00 | 1.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 6.08 | 0.00 | 1.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 4.88 | 0.00 | 2.73 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 5.42 | 0.00 | 2.19 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 5.79 | 0.00 | 1.82 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 5.93 | 0.00 | 1.68 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | | 5.24 | 0.00 | 2.37 | 600 | -- | <2.5 | <2.5 | <2.5 | <7.5 | 636 | -- | -- | -- | -- | |
| 6/27/2001 | -- | | 5.69 | 0.00 | 1.92 | 590 | -- | <2.5 | <2.5 | <2.5 | <7.5 | 739 | -- | -- | -- | -- | |
| 9/19/2001 | -- | | 5.89 | 0.00 | 1.72 | 560 | -- | <5.0 | <5.0 | <5.0 | <15 | 1,190 | -- | -- | -- | -- | |
| 12/28/2001 | -- | | 4.53 | 0.00 | 3.08 | 910 | -- | 23 | <2.5 | <2.5 | <5.0 | 856 | -- | -- | -- | -- | |
| 3/12/2002 | -- | | 4.71 | 0.00 | 2.90 | 620 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 675 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 5.21 | 0.00 | 2.40 | 860 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 1,470 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 5.77 | 0.00 | 1.84 | 350 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 690 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 5.65 | 0.00 | 1.96 | 1,300 | -- | <10 | <10 | <10 | <10 | 1,800 | -- | -- | -- | -- | EPA 8015B/8021B used |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|-------|-----|------|-----------|------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-7 Cont. | | | | | | | | | | | | | | | | | |
| 2/19/2003 | -- | 7.61 | 5.07 | 0.00 | 2.54 | 1,700 | -- | <10 | <10 | <10 | <10 | 1,600 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 5.27 | 0.00 | 2.34 | 1,000 | -- | <5.0 | <5.0 | <5.0 | <5.0 | 510 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 5.52 | 0.00 | 2.09 | 510 | -- | <5.0 | <5.0 | <5.0 | <5.0 | 520 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 5.79 | 0.00 | 1.82 | 330 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 270 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 5.20 | 0.00 | 2.41 | <250 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 71 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 5.65 | 0.00 | 1.96 | 450 | -- | <2.5 | <2.5 | <2.5 | 2.8 | 150 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 5.65 | 0.00 | 1.96 | 450 | -- | <2.5 | <2.5 | <2.5 | 2.8 | 150 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 5.79 | 0.00 | 1.82 | 100 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 25 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 4.92 | 0.00 | 2.69 | 81 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 31 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 10.11 | 4.88 | 0.00 | 5.23 | 67 | -- | <0.50 | <0.50 | <0.50 | 0.64 | 41 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 5.62 | 0.00 | 4.49 | 58 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 18 | -- | -- | -- | -- | b (GRO) |
| 12/28/2005 | -- | | 4.93 | 0.00 | 5.18 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 7.4 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 4.63 | 0.00 | 5.48 | 71 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 25 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 5.08 | 0.00 | 5.03 | 57 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 14 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 5.60 | 0.00 | 4.51 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 14 | -- | -- | -- | -- | |
| 12/1/2006 | -- | | 6.00 | 0.00 | 4.11 | <250 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 6.7 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 5.69 | 0.00 | 4.42 | <250 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 4.0 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 5.97 | 0.00 | 4.14 | 120 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 7.5 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 6.31 | 0.00 | 3.80 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 10 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 6.39 | 0.00 | 3.72 | 55 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 8.4 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 5.78 | 0.00 | 4.33 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 6.2 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 6.27 | 0.00 | 3.84 | 53 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 9.6 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 6.52 | 0.00 | 3.59 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 7.5 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 6.40 | 0.00 | 3.71 | 59 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 5.7 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 5.65 | 0.00 | 4.46 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 4.4 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 5.91 | 0.00 | 4.20 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 5.7 | -- | -- | 1.77 | -- | |
| 12/10/2009 | -- | | 5.88 | 0.00 | 4.23 | 62 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 6.5 | -- | -- | 0.56 | -- | |
| 6/29/2010 | P | | 5.48 | 0.00 | 4.63 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 3.0 | -- | -- | 0.63 | 7.32 | |
| 12/30/2010 | P | | 4.80 | 0.00 | 5.31 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 5.6 | -- | -- | 0.65 | 7.28 | |
| 6/29/2011 | P | | 5.18 | 0.00 | 4.93 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | <5.0 | -- | -- | 0.47 | 7.5 | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|-----------|-----------------|-----------------|-----------------|----------------|------------|-----------|-----------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-7 Cont. | | | | | | | | | | | | | | | | | |
| 1/30/2012 | P | 10.11 | 5.29 | 0.00 | 4.82 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 4.0 | -- | -- | 0.69 | 7.69 | |
| 6/27/2012 | P | | 5.19 | 0.00 | 4.92 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 2.7 | -- | -- | 1.23 | 7.01 | |
| MW-8 | | | | | | | | | | | | | | | | | |
| 10/12/1993 | -- | 8.60 | 5.86 | 0.00 | 2.74 | <50 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 11 | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 5.50 | 0.00 | 3.10 | 380 | -- | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | -- | -- | 3.3 | -- | |
| 5/11/1994 | -- | | 5.09 | 0.00 | 3.51 | 330 | -- | <0.50 | 1.2 | <0.50 | 1.9 | <5.0 | -- | -- | 8.5 | -- | |
| 8/1/1994 | -- | | 5.20 | 0.00 | 3.40 | 260 | -- | <0.50 | 1.2 | 2.9 | 5.8 | <5.0 | -- | -- | 2.3 | -- | |
| 10/18/1994 | -- | | 5.70 | 0.00 | 2.90 | 82 | -- | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | -- | -- | 6.4 | -- | |
| 1/13/1995 | -- | | 4.96 | 0.00 | 3.64 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | -- | -- | -- | 6.9 | -- | |
| 4/13/1995 | -- | | 5.40 | 0.00 | 3.20 | 270 | -- | <0.50 | <0.50 | <0.50 | 4.4 | -- | -- | -- | 8.4 | -- | |
| 7/11/1995 | -- | | 6.01 | 0.00 | 2.59 | 320 | -- | <0.50 | <0.50 | <0.50 | 3.5 | -- | -- | -- | 8.0 | -- | |
| 11/2/1995 | -- | | 6.81 | 0.00 | 1.79 | 100 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <5.0 | -- | -- | 8.7 | -- | |
| 2/5/1996 | -- | | 6.12 | 0.00 | 2.48 | <50 | -- | <5.0 | <10 | <10 | <10 | <100 | -- | -- | 1.5 | -- | |
| 4/24/1996 | -- | | 6.23 | 0.00 | 2.37 | <50 | -- | <5.0 | <10 | <10 | <10 | <100 | -- | -- | 8.7 | -- | |
| 7/15/1996 | -- | | 6.70 | 0.00 | 1.90 | <250 | -- | <2.5 | <5.0 | <5.0 | <5.0 | <50 | -- | -- | 8.4 | -- | |
| 7/30/1996 | -- | | 6.64 | 0.00 | 1.96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 8.36 | 0.00 | 0.24 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | | -- | -- | -- | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 7.2 | -- | |
| 5/17/1997 | -- | | 7.03 | 0.00 | 1.57 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | | 6.05 | 0.00 | 2.55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | | 9.14 | 0.00 | -0.54 | <50 | -- | <0.50 | <1.0 | <1.0 | <1.0 | <10 | -- | -- | 7.7 | -- | |
| 1/29/1998 | -- | | 7.90 | 0.00 | 0.70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | | 7.72 | 0.00 | 0.88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/9/1999 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/23/1999 | -- | | 4.70 | 0.00 | 3.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 4.22 | 0.00 | 4.38 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 4.12 | 0.00 | 4.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 4.71 | 0.00 | 3.89 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 4.98 | 0.00 | 3.62 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|--------|-----|------|-----------|----|----------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-8 Cont. | | | | | | | | | | | | | | | | | |
| 9/15/2000 | -- | 8.60 | 4.62 | 0.00 | 3.98 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 4.77 | 0.00 | 3.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | | 5.11 | 0.00 | 3.49 | 570 | -- | <2.5 | <2.5 | 2.6 | <7.5 | 3.4 | -- | -- | -- | -- | |
| 9/19/2001 | -- | | 5.00 | 0.00 | 3.60 | <500 | -- | <5.0 | <5.0 | <5.0 | <15 | <5.0 | -- | -- | -- | -- | |
| 12/28/2001 | -- | | 4.15 | 0.00 | 4.45 | 440 | -- | <0.50 | <0.50 | 0.98 | <1.0 | 6.3 | -- | -- | -- | -- | |
| 3/12/2002 | -- | | 4.35 | 0.00 | 4.25 | 330 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 8.7 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 5.09 | 0.00 | 3.51 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 16 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 5.18 | 0.00 | 3.42 | 98 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 76 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 4.84 | 0.00 | 3.76 | 120 | -- | <0.50 | <0.50 | 0.94 | 0.52 | 140 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 4.45 | 0.00 | 4.15 | <2,500 | -- | <25 | <25 | <25 | <25 | 800 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 5.00 | 0.00 | 3.60 | <50,000 | -- | <500 | <500 | <500 | <500 | 17,000 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 4.84 | 0.00 | 3.76 | <2,500 | -- | <25 | <25 | <25 | <25 | 2,400 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 4.48 | 0.00 | 4.12 | <2,500 | -- | <25 | <25 | <25 | <25 | 1,400 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 9.66 | 0.00 | -1.06 | 730 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 170 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 4.73 | 0.00 | 3.87 | <2,500 | -- | <25 | <25 | <25 | <25 | 170 | -- | -- | -- | -- | |
| 12/1/2004 | -- | | 4.80 | 0.00 | 3.80 | <250 | -- | <2.5 | <2.5 | <2.5 | <2.5 | 36 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 4.50 | 0.00 | 4.10 | 810 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 41 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 11.08 | 4.99 | 0.00 | 6.09 | 1,400 | -- | <12 | <12 | <12 | <12 | 32 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 4.89 | 0.00 | 6.19 | 840 | -- | <5.0 | <5.0 | <5.0 | <10 | 17 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 4.81 | 0.00 | 6.27 | <250 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 17 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 4.22 | 0.00 | 6.86 | 660 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 21 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 4.63 | 0.00 | 6.45 | <2,500 | -- | <25 | <25 | <25 | <50 | 30 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 4.82 | 0.00 | 6.26 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 17 | -- | -- | -- | -- | Well purged dry |
| 12/1/2006 | -- | | 4.83 | 0.00 | 6.25 | 350 | -- | <2.5 | <2.5 | <2.5 | <5.0 | 16 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 4.43 | 0.00 | 6.65 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 20 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 4.74 | 0.00 | 6.34 | <500 | -- | <5.0 | <5.0 | <5.0 | <10 | 8.7 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 5.25 | 0.00 | 5.83 | 230 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 9.4 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 5.13 | 0.00 | 5.95 | 350 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 8.7 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 4.75 | 0.00 | 6.33 | <1,000 | -- | <10 | <10 | <10 | <20 | 16 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|--------------|---------|---------|---------------|---------------|------------|-----|------|-------------|-------------|----------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-8 Cont. | | | | | | | | | | | | | | | | | |
| 5/23/2008 | -- | 11.08 | 5.01 | 0.00 | 6.07 | <1,000 | -- | <10 | <10 | <10 | <20 | 15 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 5.43 | 0.00 | 5.65 | 190 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 14 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 5.25 | 0.00 | 5.83 | 270 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 10 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 4.36 | 0.00 | 6.72 | 210 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 15 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 4.98 | 0.00 | 6.10 | 270 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 6.5 | -- | -- | 2.14 | -- | |
| 12/10/2009 | -- | | 5.06 | 0.00 | 6.02 | 90 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 9.0 | -- | -- | 0.47 | -- | |
| 6/29/2010 | P | | 4.71 | 0.00 | 6.37 | 170 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 10 | -- | -- | 0.38 | 6.94 | |
| 12/30/2010 | P | | 4.37 | 0.00 | 6.71 | 190 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 6.6 | -- | -- | 0.52 | 7.02 | |
| 6/29/2011 | P | | 4.57 | 0.00 | 6.51 | 140 | 1,000 | -- | -- | -- | -- | 4.7 | -- | -- | 0.62 | 7.2 | |
| 1/30/2012 | P | | 4.63 | 0.00 | 6.45 | 240 | 1,500 | -- | -- | -- | -- | 3.8 | -- | -- | 1.52 | 7.37 | |
| 6/27/2012 | P | | 4.49 | 0.00 | 6.59 | 300 | 1,100 | -- | -- | -- | -- | 2.2 | -- | -- | 1.09 | 6.72 | |
| MW-9 | | | | | | | | | | | | | | | | | |
| 10/12/1993 | -- | 8.08 | 5.66 | 0.08 | 2.48 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | | 5.32 | 0.05 | 2.80 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | | 5.57 | 0.00 | 2.51 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | | 6.25 | 0.00 | 1.83 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | | 5.59 | 0.13 | 2.59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 1/13/1995 | -- | | 4.42 | 0.14 | 3.77 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 4/13/1995 | -- | | 4.06 | 0.11 | 4.10 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/11/1995 | -- | | 4.21 | 0.08 | 3.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | | 5.22 | 0.05 | 2.90 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | | 4.76 | 0.01 | 3.33 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | | 4.62 | 0.09 | 3.53 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/15/1996 | -- | | 5.11 | 0.04 | 3.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/30/1996 | -- | | 5.15 | 0.00 | 2.93 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11/4/1996 | -- | | 6.75 | 0.01 | 1.34 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 5/17/1997 | -- | | 5.42 | 0.00 | 2.66 | 97,000 | -- | 16,000 | 8,200 | 2,300 | 17,300 | 39,000 | -- | -- | -- | -- | DUP |
| 5/17/1997 | -- | | 5.42 | 0.00 | 2.66 | 97,000 | -- | 16,000 | 7,700 | 2,300 | 18,400 | 40,000 | -- | -- | 7.0 | -- | |
| 8/11/1997 | -- | | 5.37 | 0.00 | 2.71 | 71,000 | -- | 12,000 | 340 | 2,100 | 4,300 | 26,000 | -- | -- | 9.1 | -- | |
| 8/11/1997 | -- | | 5.37 | 0.00 | 2.71 | 100,000 | -- | 14,000 | 360 | 3,200 | 5,790 | 27,000 | -- | -- | -- | -- | DUP |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|------|----------------------|------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|---------|-----|------|-----------|----|-------------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-9 Cont. | | | | | | | | | | | | | | | | | |
| 11/17/1997 | -- | 8.08 | 5.62 | Sheen | 2.46 | 100,000 | -- | 22,000 | 4,800 | 3,100 | 17,900 | 32,000 | -- | -- | 8.3 | -- | |
| 11/17/1997 | -- | | 5.62 | Sheen | 2.46 | 100,000 | -- | 24,000 | 5,300 | 3,500 | 19,300 | 35,000 | -- | -- | -- | -- | DUP |
| 1/29/1998 | -- | | 4.07 | Sheen | 4.01 | 250,000 | -- | 20,000 | 21,000 | 3,100 | 18,500 | 110,000 | -- | -- | 6.6 | -- | |
| 1/29/1998 | -- | | 4.07 | Sheen | 4.01 | 250,000 | -- | 20,000 | 20,000 | 3,100 | 18,400 | 110,000 | -- | -- | -- | -- | DUP |
| 6/22/1998 | -- | | 4.28 | 0.00 | 3.80 | 280,000 | -- | 21,000 | 18,000 | 3,800 | 21,200 | 110,000 | -- | -- | 5.8 | -- | |
| 6/22/1998 | -- | | 4.28 | 0.00 | 3.80 | 290,000 | -- | 20,000 | 17,000 | 3,800 | 21,200 | 110,000 | -- | -- | -- | -- | DUP |
| 12/30/1998 | -- | | 4.95 | 0.00 | 3.13 | 150,000 | -- | 10,000 | 3,800 | 2,000 | 9,600 | 86,000 | -- | -- | -- | -- | |
| 3/9/1999 | -- | | 3.95 | 0.00 | 4.13 | 82,000 | -- | 6,800 | 570 | 1,400 | 4,700 | 100,000 | -- | -- | -- | -- | |
| 6/23/1999 | -- | | 5.12 | 0.00 | 2.96 | 41,000 | -- | 11,000 | 820 | 2,300 | 5,200 | 92,000 | -- | -- | -- | -- | |
| 9/23/1999 | -- | | 4.74 | 0.00 | 3.34 | 57,000 | -- | 12,000 | 5,400 | 1,900 | 9,500 | 89,000 | -- | -- | -- | -- | |
| 12/28/1999 | -- | | 4.58 | 0.00 | 3.50 | 46,000 | -- | 15,000 | 490 | 2,500 | 3,500 | 100,000 | -- | -- | -- | -- | |
| 3/22/2000 | -- | | 3.90 | 0.00 | 4.18 | 86,000 | -- | 18,000 | 1,800 | 2,300 | 6,800 | 120,000 | -- | -- | -- | -- | |
| 5/26/2000 | -- | | 4.15 | 0.00 | 3.93 | 82,000 | -- | 17,000 | 680 | 1,800 | 3,800 | 100,000 | -- | -- | -- | -- | |
| 9/6/2000 | -- | | 4.47 | 0.00 | 3.61 | 100,000 | -- | 19,000 | 280 | 2,400 | 6,400 | 84,000 | -- | -- | -- | -- | |
| 9/15/2000 | -- | | 4.34 | 0.00 | 3.74 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | | 4.41 | 0.00 | 3.67 | 110,000 | -- | 14,400 | 768 | 2,610 | 6,670 | 123,000 | -- | -- | -- | -- | |
| 3/29/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/26/2001 | -- | | 5.03 | 0.13 | 3.15 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | GW Elev. Estimated |
| 9/19/2001 | -- | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | | 3.73 | 0.00 | 4.35 | 110,000 | -- | 15,000 | 1,500 | 2,280 | 5,530 | 60,900 | -- | -- | -- | -- | |
| 3/12/2002 | -- | | 4.93 | 0.00 | 3.15 | 88,000 | -- | 12,500 | 2,600 | 2,800 | 8,950 | 44,000 | -- | -- | -- | -- | |
| 6/13/2002 | -- | | 4.13 | 0.00 | 3.95 | 59,000 | -- | 9,870 | 161 | 2,560 | 5,560 | 35,600 | -- | -- | -- | -- | |
| 9/6/2002 | -- | | 4.39 | 0.00 | 3.69 | 47,000 | -- | 10,000 | <100 | 2,100 | 4,600 | 31,000 | -- | -- | -- | -- | |
| 12/13/2002 | -- | | 3.97 | 0.00 | 4.11 | 57,000 | -- | 11,000 | 1,000 | 2,300 | 5,800 | 28,000 | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | | 3.25 | 0.00 | 4.83 | 76,000 | -- | 10,000 | 2,100 | 3,000 | 8,900 | 11,000 | -- | -- | -- | -- | |
| 6/6/2003 | -- | | 3.94 | 0.00 | 4.14 | 66,000 | -- | 9,000 | <500 | 2,500 | 4,400 | 17,000 | -- | -- | -- | -- | |
| 8/7/2003 | -- | | 3.92 | Sheen | 4.16 | 53,000 | -- | 7,600 | <250 | 2,600 | 4,700 | 17,000 | -- | -- | -- | -- | |
| 11/20/2003 | -- | | 4.89 | 0.00 | 3.19 | 40,000 | -- | 6,800 | <250 | 860 | 1,100 | 16,000 | -- | -- | -- | -- | |
| 4/28/2004 | -- | | 3.19 | Sheen | 4.89 | 47,000 | -- | 5,600 | 690 | 2,300 | 6,800 | 8,500 | -- | -- | -- | -- | |
| 8/26/2004 | -- | | 3.61 | 0.00 | 4.47 | 35,000 | -- | 3,700 | 500 | 1,300 | 5,300 | 6,500 | -- | -- | -- | -- | Past holding time (TBA) |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|-----------|-----------|----------------|---------------|---------------|------------|-----------|-----------|-------------|-------------|-------------------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-9 Cont. | | | | | | | | | | | | | | | | | |
| 8/26/2004 | -- | 8.08 | 3.61 | 0.00 | 4.47 | 35,000 | -- | 3,700 | 500 | 1,300 | 5,300 | 6,500 | -- | -- | -- | -- | Past holding time (TBA) |
| 12/1/2004 | -- | | 3.99 | 0.00 | 4.09 | 36,000 | -- | 3,500 | <250 | 1,200 | 4,300 | 8,300 | -- | -- | -- | -- | |
| 2/2/2005 | -- | | 3.71 | Sheen | 4.37 | 21,000 | -- | 1,800 | 130 | 670 | 2,000 | 3,600 | -- | -- | -- | -- | |
| 4/25/2005 | -- | 10.55 | 3.31 | Sheen | 7.24 | 5,900 | -- | 190 | <5.0 | 120 | 77 | 540 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 4.02 | 0.00 | 6.53 | 26,000 | -- | 2,400 | 360 | 1,600 | 4,200 | 2,400 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 2.99 | 0.00 | 7.56 | 14,000 | -- | 1,400 | 22 | 350 | 450 | 2,200 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 2.50 | 0.00 | 8.05 | 4,100 | -- | 250 | <10 | 130 | 110 | 330 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 3.34 | 0.00 | 7.21 | 8,200 | -- | 2,200 | 79 | 500 | 1,200 | 1,800 | -- | -- | -- | -- | Well purged dry |
| 9/19/2006 | -- | | 4.06 | 0.00 | 6.49 | 9,000 | -- | 2,600 | 15 | 440 | 370 | 3,100 | -- | -- | -- | -- | Well purged dry |
| 12/1/2006 | -- | | 3.88 | 0.00 | 6.67 | 5,400 | -- | 1,600 | 15 | 310 | 140 | 1,400 | -- | -- | -- | -- | Well purged dry |
| 3/1/2007 | -- | | 2.79 | 0.00 | 7.76 | 6,300 | -- | 250 | <13 | 270 | 75 | 240 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 3.53 | 0.00 | 7.02 | 6,500 | -- | 980 | 16 | 250 | 95 | 1,800 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 4.78 | 0.00 | 5.77 | 4,500 | -- | 170 | 14 | 79 | 27 | 640 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 4.41 | 0.00 | 6.14 | 4,600 | -- | 790 | <13 | 97 | 34 | 2,000 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 3.41 | 0.00 | 7.14 | 6,800 | -- | 700 | 19 | 250 | 98 | 1,100 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 4.53 | 0.00 | 6.02 | 5,300 | -- | 390 | 22 | 130 | 68 | 1,200 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 5.07 | 0.00 | 5.48 | 10,000 | -- | 94 | 11 | 26 | 35 | 280 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 4.04 | 0.00 | 6.51 | 2,600 | -- | 420 | 7.9 | 110 | 84 | 870 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 3.45 | 0.00 | 7.10 | 3,400 | -- | 45 | 2.2 | 51 | 18 | 180 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 4.17 | 0.00 | 6.38 | 4,400 | -- | 420 | 14 | 270 | 170 | 720 | -- | -- | 0.94 | -- | |
| 12/10/2009 | -- | | 4.11 | Sheen | 6.44 | 4400 | -- | 240 | 7.9 | 17 | 19 | 780 | -- | -- | -- | -- | |
| 6/29/2010 | P | | 4.30 | 0.00 | 6.25 | 4,200 | -- | 680 | 15 | 110 | 130 | 1,200 | -- | -- | 0.37 | 6.98 | |
| 12/30/2010 | P | | 2.79 | 0.00 | 7.76 | 420 | -- | 6.7 | <0.50 | 2.1 | 2.0 | 13 | -- | -- | 0.79 | 7.23 | |
| 6/29/2011 | P | | 3.72 | 0.00 | 6.83 | 4,700 | -- | 600 | 13 | 370 | 120 | 900 | -- | -- | 0.48 | 7.2 | |
| 1/30/2012 | P | | 4.09 | 0.00 | 6.46 | 2,300 | -- | 210 | 5.1 | 10 | 20 | 630 | -- | -- | 0.75 | 7.35 | |
| 6/27/2012 | P | | 3.51 | 0.00 | 7.04 | 810 | -- | 78 | <2.5 | 4.6 | 7.9 | 130 | -- | -- | 1.43 | 6.88 | |
| MW-10 | | | | | | | | | | | | | | | | | |
| 4/25/2005 | -- | 12.53 | 8.37 | 0.00 | 4.16 | <50 | -- | <0.50 | <0.50 | <0.50 | <0.50 | 1.5 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 8.41 | 0.00 | 4.12 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 1.5 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 7.78 | 0.00 | 4.75 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 0.78 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|-----------------|-----|------|-------------|-------------|-----------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-10 Cont. | | | | | | | | | | | | | | | | | |
| 3/23/2006 | -- | 12.53 | 7.77 | 0.00 | 4.76 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 0.67 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 8.38 | 0.00 | 4.15 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 1.8 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 7.99 | 0.00 | 4.54 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 0.59 | -- | -- | -- | -- | |
| 12/1/2006 | -- | | 5.47 | 0.00 | 7.06 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 0.89 | -- | -- | -- | -- | Well purged dry |
| 3/1/2007 | -- | | 7.92 | 0.00 | 4.61 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 8.55 | 0.00 | 3.98 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 1.2 | -- | -- | -- | -- | |
| 9/13/2007 | -- | | 8.71 | 0.00 | 3.82 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 0.94 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 8.84 | 0.00 | 3.69 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 2.2 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 8.20 | 0.00 | 4.33 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 8.49 | 0.00 | 4.04 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 2.2 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 9.91 | 0.00 | 2.62 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 3.0 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 8.60 | 0.00 | 3.93 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 2.7 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 7.68 | 0.00 | 4.85 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 8.71 | 0.00 | 3.82 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | -- | -- | 2.76 | -- | |
| 12/10/2009 | -- | | 8.35 | 0.00 | 4.18 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 1.5 | -- | -- | 1.81 | -- | |
| 6/29/2010 | P | | 8.43 | 0.00 | 4.10 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | 1.6 | -- | -- | 1.00 | 7.05 | |
| 12/30/2010 | P | | 6.62 | 0.00 | 5.91 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | 1.26 | 6.95 | |
| 6/29/2011 | P | | 7.16 | 0.00 | 5.37 | -- | -- | -- | -- | -- | -- | <0.50 | -- | -- | 0.49 | 7.4 | |
| 1/30/2012 | -- | | 7.33 | 0.00 | 5.20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/27/2012 | P | | 7.70 | 0.00 | 4.83 | -- | -- | -- | -- | -- | -- | <0.50 | -- | -- | 1.14 | 6.46 | |
| MW-11 | | | | | | | | | | | | | | | | | |
| 4/25/2005 | -- | 14.55 | 9.29 | 0.00 | 5.26 | <50 | -- | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | -- | -- | -- | -- | |
| 9/30/2005 | -- | | 10.23 | 0.00 | 4.32 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 12/28/2005 | -- | | 9.09 | 0.00 | 5.46 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 3/23/2006 | -- | | 8.75 | 0.00 | 5.80 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 6/5/2006 | -- | | 9.47 | 0.00 | 5.08 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 9/19/2006 | -- | | 10.16 | 0.00 | 4.39 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 12/1/2006 | -- | | 10.46 | 0.00 | 4.09 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 3/1/2007 | -- | | 9.62 | 0.00 | 4.93 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 6/1/2007 | -- | | 9.97 | 0.00 | 4.58 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |

**Table 1. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | P/NP | TOC Elevation (feet) | DTW (feet) | Product Thickness (feet) | Water Level Elevation (feet) | Concentrations in µg/L | | | | | | | | | DO (mg/L) | pH | Footnote |
|----------------------------|----------|----------------------|-------------|--------------------------|------------------------------|------------------------|----------|---------|---------|---------------|---------------|-----------------|-----|------|-------------|-------------|-------------|
| | | | | | | GRO/TPHg | DRO/TPHd | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | MtBE | TOG | HVOC | | | |
| MW-11 Cont. | | | | | | | | | | | | | | | | | |
| 9/13/2007 | -- | 14.55 | 10.42 | 0.00 | 4.13 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 11/21/2007 | -- | | 10.64 | 0.00 | 3.91 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 2/29/2008 | -- | | 9.76 | 0.00 | 4.79 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 5/23/2008 | -- | | 10.51 | 0.00 | 4.04 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | -- | -- | |
| 9/26/2008 | -- | | 10.51 | 0.00 | 4.04 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | -- | -- | |
| 12/23/2008 | -- | | 10.74 | 0.00 | 3.81 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | -- | -- | |
| 3/9/2009 | -- | | 9.50 | 0.00 | 5.05 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | -- | -- | |
| 5/28/2009 | -- | | 10.40 | 0.00 | 4.15 | <50 | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | -- | -- | 3.06 | -- | |
| 12/10/2009 | -- | | 10.41 | 0.00 | 4.14 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | 1.03 | -- | Obstruction |
| 6/29/2010 | P | | 10.19 | 0.00 | 4.36 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | 0.47 | 7.43 | |
| 12/30/2010 | P | | 9.22 | 0.00 | 5.33 | <50 | -- | <0.50 | <0.50 | <0.50 | <1.0 | <0.50 | -- | -- | 0.63 | 6.97 | |
| 6/29/2011 | P | | 9.40 | 0.00 | 5.15 | -- | -- | -- | -- | -- | -- | <0.50 | -- | -- | 0.75 | 7.4 | |
| 1/30/2012 | -- | | 9.49 | 0.00 | 5.06 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |
| 6/27/2012 | P | | 9.70 | 0.00 | 4.85 | -- | -- | -- | -- | -- | -- | <0.50 | -- | -- | 1.13 | 7.58 | |

Symbols & Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline

TPHd = Total petroleum hydrocarbons as diesel

GRO = Gasoline range organics

DRO = Diesel range organics

TOG = Total petroleum hydrocarbons as oil and grease

ORO = Motor oil range organics

MTBE = Methyl tert-butyl ether

HVOC = Halogenated volatile organic compounds

DO = Dissolved Oxygen; rounded to the nearest tenth

TOC = Top of casing

P/NP = Well purged/not purged prior to sampling

GWE adjusted assuming a specific gravity of 0.75 for free product.

mg/L = Milligrams per liter

µg/L = Micrograms per liter

< = Analyte was not detected above the specified method detection limit

-- = Not measured or analyzed

ND = Not detected (historical data; reporting limit not reported)

DUP = Duplicate sample

INA = Well inaccessible; not sampled

NS = Well not sampled

Footnotes:

a = DRO and ORO samples collected from MW-3 on 12/10/2009.

b = Identity of contaminant uncertain (hydrocarbon pattern atypical of indicated analyte); see lab report

Notes:

Beginning in the first quarter 2003, TPHg and VOCs analyzed by EPA Method 8260B

Beginning in the fourth quarter 2009, TOG replaced by ORO by EPA Method 8015B

The data within this table collected prior to December 2009 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|-----|---------|------|------|------|---------|-----|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-1 | | | | | | | | | |
| 10/12/1993 | -- | -- | 6,111 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | -- | 5,495 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | 705 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 9,718 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 9,800 | -- | -- | -- | -- | -- | DUP |
| 10/18/1994 | -- | -- | 15,668 | -- | -- | -- | -- | -- | DUP |
| 10/18/1994 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 1/13/1995 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 1/13/1995 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 11/2/1995 | -- | -- | 52,000 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | 8,700 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | 4,500 | -- | -- | -- | -- | -- | |
| 7/16/1996 | -- | -- | 63,000 | -- | -- | -- | -- | -- | DUP |
| 7/16/1996 | -- | -- | 64,000 | -- | -- | -- | -- | -- | |
| 8/12/1996 | -- | -- | 440,000 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | 42,000 | -- | -- | -- | -- | -- | |
| 5/17/1997 | -- | -- | 140,198 | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | -- | 360,000 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | 400,000 | -- | -- | -- | -- | -- | |
| 1/29/1998 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | -- | 57,000 | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | -- | 15,000 | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | -- | 13,000 | -- | -- | -- | -- | -- | |
| 6/23/1999 | -- | -- | 24,000 | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | -- | 7,100 | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | -- | 5,500 | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | -- | 4,900 | -- | -- | -- | -- | -- | |
| 5/26/2000 | -- | -- | 320,000 | -- | -- | -- | -- | -- | |
| 9/6/2000 | -- | -- | 19,000 | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | -- | 3,900 | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | -- | 1,780 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|--------|-------|------|-------|-------|---------|-------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-1 Cont. | | | | | | | | | |
| 9/19/2001 | -- | -- | 1,090 | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | -- | 1,120 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 1,020 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 6,490 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 550 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 470 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 610 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <5,000 | <1,000 | 1,400 | <25 | <25 | <25 | -- | -- | |
| 8/7/2003 | <1,000 | 560 | 920 | <5.0 | <5.0 | 12 | <5.0 | <5.0 | |
| 11/20/2003 | 1,800 | <200 | 250 | <5.0 | <5.0 | <5.0 | -- | -- | a (ethanol) |
| 4/28/2004 | <1,000 | 950 | 200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 8/26/2004 | <5.0 | 320 | 180 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | e (ethanol) |
| 8/26/2004 | <500 | 320 | 180 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | b (ethanol) |
| 12/1/2004 | <1,000 | 300 | 170 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 2/2/2005 | <500 | 6,700 | 160 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | b (ethanol) |
| 4/25/2005 | <500 | 5,000 | 200 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 9/30/2005 | <500 | 1,200 | 250 | 13 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 12/28/2005 | <1,000 | 1,800 | 140 | <10 | <5.0 | <5.0 | <5.0 | -- | |
| 3/23/2006 | <1,000 | 2,800 | 40 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 6/5/2006 | <500 | 1,900 | 160 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 9/19/2006 | <1,300 | 1,000 | 180 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | Well purged dry |
| 12/1/2006 | <1,300 | 930 | 150 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 3/1/2007 | <1,000 | 510 | 160 | <4.0 | <2.0 | 2.0 | <2.0 | <2.0 | |
| 6/1/2007 | <1,000 | 1,500 | 140 | <4.0 | <2.0 | 2.2 | <2.0 | <2.0 | |
| 9/13/2007 | 1,100 | 1,300 | 59 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | |
| 11/21/2007 | <1,000 | 1,300 | 200 | <4.0 | <2.0 | 2.7 | <2.0 | <2.0 | |
| 2/29/2008 | <250 | 1,200 | 25 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/23/2008 | <250 | 1,800 | 120 | <1.0 | <0.50 | 1.4 | <0.50 | <0.50 | |
| 9/26/2008 | <250 | 1,400 | 120 | <1.0 | <1.0 | 1.9 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 940 | 75 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 1,300 | 88 | <1.0 | <1.0 | 1.7 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 1,800 | 48 | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|--------------|-----------|-------|-------|-------------|---------|-------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-1 Cont. | | | | | | | | | |
| 12/10/2009 | <100 | 560 | 65 | <0.50 | <0.50 | 1.1 | <0.50 | <0.50 | |
| 6/29/2010 | <100 | 2,000 | <0.50 | <0.50 | <0.50 | 1.2 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | 1,900 | 46 | <0.50 | <0.50 | 1.0 | <0.50 | <0.50 | |
| 6/29/2011 | -- | 840 | 3.9 | -- | -- | <0.50 | -- | -- | |
| 1/30/2012 | -- | 900 | 64 | -- | -- | 1.3 | -- | -- | |
| 6/27/2012 | -- | 1,400 | 18 | -- | -- | 0.83 | -- | -- | |
| MW-2 | | | | | | | | | |
| 11/4/1992 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 11/4/1992 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 10/12/1993 | -- | -- | 442 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | -- | 127 | -- | -- | -- | -- | -- | DUP |
| 5/11/1994 | -- | -- | 740 | -- | -- | -- | -- | -- | DUP |
| 5/11/1994 | -- | -- | 953 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 1,676 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | 2,417 | -- | -- | -- | -- | -- | |
| 1/13/1995 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 4/13/1995 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 4/13/1995 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 7/11/1995 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 7/11/1995 | -- | -- | -- | -- | -- | -- | -- | -- | DUP |
| 11/2/1995 | -- | -- | 15,000 | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | -- | 19,000 | -- | -- | -- | -- | -- | DUP |
| 2/5/1996 | -- | -- | 99 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | 93 | -- | -- | -- | -- | -- | DUP |
| 4/24/1996 | -- | -- | <100 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | DUP |
| 7/16/1996 | -- | -- | 1,400 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | 1,100 | -- | -- | -- | -- | -- | DUP |
| 11/5/1996 | -- | -- | 1,100 | -- | -- | -- | -- | -- | DUP |
| 5/17/1997 | -- | -- | 210 | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | -- | 2,400 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|---------|--------|--------|--------|-------|---------|------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-2 Cont. | | | | | | | | | |
| 11/17/1997 | -- | -- | 130 | -- | -- | -- | -- | -- | |
| 1/29/1998 | -- | -- | <10 | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | -- | 560 | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | -- | 910 | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | -- | 2,800 | -- | -- | -- | -- | -- | |
| 9/6/2000 | -- | -- | 12,000 | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 9/19/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 12/28/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/12/2002 | -- | -- | 37,300 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 84,600 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 45,000 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 98,000 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 81,000 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <200,000 | <40,000 | 72,000 | <1,000 | <1,000 | 1,300 | -- | -- | |
| 8/7/2003 | <100,000 | 45,000 | 83,000 | <500 | <500 | 1,300 | <500 | <500 | |
| 11/20/2003 | <20,000 | 48,000 | 18,000 | <100 | <100 | 200 | -- | -- | |
| 4/28/2004 | <50,000 | 59,000 | 31,000 | <250 | <250 | <250 | <250 | <250 | |
| 8/26/2004 | <50,000 | <10,000 | 11,000 | <250 | <250 | 320 | <250 | <250 | b (ethanol) |
| 8/26/2004 | 23 | <10,000 | 11,000 | <250 | <250 | 320 | <250 | <250 | e (ethanol) |
| 12/1/2004 | <20,000 | <4,000 | 10,000 | <100 | <100 | 230 | <100 | <100 | |
| 2/2/2005 | <20,000 | 4,000 | 10,000 | <100 | <100 | 260 | <100 | <100 | b (ethanol) |
| 4/25/2005 | <10,000 | 3,700 | 8,200 | <50 | <50 | 220 | <50 | <50 | |
| 9/30/2005 | <5,000 | 4,700 | 16,000 | <50 | <50 | 270 | <50 | <50 | |
| 12/28/2005 | <20,000 | 6,300 | 22,000 | <200 | <100 | 410 | <100 | -- | |
| 3/23/2006 | <20,000 | 5,800 | 13,000 | <200 | <100 | 290 | <100 | <100 | |
| 6/5/2006 | <10,000 | 3,300 | 8,000 | <100 | <50 | 280 | <50 | <50 | |
| 9/19/2006 | <25,000 | 4,800 | 16,000 | <100 | <50 | 370 | <50 | <50 | |
| 12/1/2006 | <25,000 | 3,900 | 10,000 | <100 | <50 | 270 | <50 | <50 | |
| 3/1/2007 | <25,000 | 2,700 | 8,300 | <100 | <50 | 210 | <50 | <50 | |
| 6/1/2007 | <50,000 | 4,900 | 17,000 | 260 | <100 | 310 | <100 | <100 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|--------------|--------------|---------------|---------------|-----------|---------------|---------------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-2 Cont. | | | | | | | | | |
| 9/13/2007 | <25,000 | 42,000 | 2,300 | <100 | <50 | 50 | <50 | <50 | |
| 11/21/2007 | <25,000 | 5,000 | 5,200 | <100 | <50 | 160 | <50 | <50 | |
| 2/29/2008 | <25,000 | 2,500 | 4,900 | <100 | <50 | 120 | <50 | <50 | |
| 5/23/2008 | <25,000 | 29,000 | 2,500 | 140 | <50 | 60 | <50 | <50 | |
| 9/26/2008 | <250 | 77,000 | 960 | <1.0 | 2.8 | 42 | <1.0 | <1.0 | |
| 12/23/2008 | <500 | 57,000 | 1,800 | <2.0 | 2.4 | 51 | <2.0 | <2.0 | |
| 3/9/2009 | <5,000 | 21,000 | 2,200 | <20 | <20 | 82 | <20 | <20 | |
| 5/28/2009 | <2,500 | 2,000 | 2,800 | <10 | <10 | 110 | <10 | <10 | |
| 12/10/2009 | <100 | 44,000 | 360 | 0.52 | 1.4 | 8.7 | <0.50 | <0.50 | |
| 6/29/2010 | <5,000 | 31,000 | 770 | <25 | <25 | <25 | <25 | <25 | |
| 12/30/2010 | <12,000 | 4,700 | 1,700 | <25 | <25 | 56 | <25 | <25 | |
| 6/29/2011 | -- | 2,400 | 2,100 | <25 | <25 | 77 | <25 | <25 | |
| 1/30/2012 | -- | 1,900 | 1,700 | <20 | <20 | 60 | <20 | <20 | |
| 6/27/2012 | -- | 2,900 | 2,600 | <20 | <20 | 95 | <20 | <20 | |
| MW-3 | | | | | | | | | |
| 10/12/1993 | -- | -- | 96 | -- | -- | -- | -- | -- | DUP |
| 2/15/1994 | -- | -- | 30 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | 51 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 18 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | 21 | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | -- | 270 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | 11 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | 150 | -- | -- | -- | -- | -- | |
| 7/15/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | 30 | -- | -- | -- | -- | -- | |
| 5/17/1997 | -- | -- | 52 | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | -- | 170 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | 46 | -- | -- | -- | -- | -- | |
| 1/29/1998 | -- | -- | 330 | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | -- | 130 | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | -- | 19 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|-------|-------|-------|-------|-------|---------|-------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-3 Cont. | | | | | | | | | |
| 3/22/2000 | -- | -- | 2,900 | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | -- | -- | -- | -- | -- | -- | -- | DTW anomalous |
| 3/29/2001 | -- | -- | 680 | -- | -- | -- | -- | -- | |
| 6/27/2001 | -- | -- | 560 | -- | -- | -- | -- | -- | |
| 9/19/2001 | -- | -- | 464 | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | -- | 180 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 443 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 395 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 650 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 60 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 120 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <1,000 | <200 | 180 | <5.0 | <5.0 | 16 | -- | -- | |
| 8/7/2003 | <1,000 | <200 | 290 | <5.0 | <5.0 | 20 | <5.0 | <5.0 | |
| 11/20/2003 | <100 | <20 | 17 | <0.50 | <0.50 | 1.4 | -- | -- | |
| 4/28/2004 | <200 | <40 | 87 | <1.0 | <1.0 | 3.9 | <1.0 | <1.0 | |
| 8/26/2004 | <100 | 260 | 34 | <0.50 | <0.50 | 2.0 | <0.50 | <0.50 | b (ethanol) |
| 8/26/2004 | <5.0 | 260 | 34 | <0.50 | <0.50 | 2.0 | <0.50 | <0.50 | e (ethanol) |
| 12/1/2004 | <200 | 610 | 7.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 2/2/2005 | <200 | <40 | 20 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | b (ethanol) |
| 4/25/2005 | <500 | 160 | 220 | <2.5 | <2.5 | 10 | <2.5 | <2.5 | b (ethanol) |
| 9/30/2005 | <50 | 270 | 8.2 | <0.50 | <0.50 | 0.68 | <0.50 | <0.50 | |
| 12/28/2005 | <100 | <5.0 | 0.66 | <1.0 | <0.50 | <0.50 | <0.50 | -- | |
| 3/23/2006 | <100 | 130 | 13 | <1.0 | <0.50 | 0.63 | <0.50 | <0.50 | |
| 6/5/2006 | <100 | 510 | 29 | <1.0 | <0.50 | 1.6 | <0.50 | <0.50 | |
| 9/19/2006 | <250 | 420 | 4.1 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/1/2006 | <250 | 250 | 2.0 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 3/1/2007 | <250 | 77 | 3.8 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/1/2007 | <250 | 320 | 3.7 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/13/2007 | <1,300 | 2,000 | 2.6 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 11/21/2007 | <1,300 | 2,600 | 3.4 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 2/29/2008 | <250 | 540 | 0.90 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/23/2008 | <2,500 | 3,200 | <5.0 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------------|------------|-----------|-----------|-----------------|-----------|-----------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-3 Cont. | | | | | | | | | |
| 9/26/2008 | <250 | 6,900 | 4.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 8,200 | 4.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 55 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 580 | 2.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | 270 | 0.86 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2010 | <100 | 2,900 | 1.9 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | <4.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2011 | -- | 73 | 0.73 | -- | -- | <0.50 | -- | -- | |
| 1/30/2012 | -- | 65 | <0.50 | -- | -- | <0.50 | -- | -- | |
| 6/27/2012 | -- | 250 | 1.6 | -- | -- | <0.50 | -- | -- | |
| MW-4 | | | | | | | | | |
| 10/12/1993 | -- | -- | 261 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | -- | 118 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | 137 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 138 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | 197 | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | -- | 140 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | 200 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | 510 | -- | -- | -- | -- | -- | |
| 7/15/1996 | -- | -- | 550 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | 620 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | 880 | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | -- | 2,000 | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | -- | 3,800 | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | -- | 4,220 | -- | -- | -- | -- | -- | |
| 9/19/2001 | -- | -- | 3,340 | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | -- | 5,330 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 8,440 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 6,870 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 9,600 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|---------------|------------|-----------|-----------|----------------|-----------|-----------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-4 Cont. | | | | | | | | | |
| 12/13/2002 | -- | -- | 8,600 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 8,000 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <10,000 | 2,500 | 6,800 | <50 | <50 | 190 | -- | -- | |
| 8/7/2003 | <10,000 | 2,400 | 6,600 | <50 | <50 | 160 | <50 | <50 | |
| 11/20/2003 | <20,000 | <4,000 | 11,000 | <100 | <100 | 310 | -- | -- | |
| 4/28/2004 | <50,000 | 15,000 | 3,600 | <250 | <250 | <250 | <250 | <250 | |
| 8/26/2004 | <5.0 | 16,000 | 1,800 | <25 | <25 | 60 | <25 | <25 | |
| 12/1/2004 | <2,000 | 19,000 | 450 | <10 | <10 | 10 | <10 | <10 | |
| 2/2/2005 | <1,000 | 19,000 | 410 | <5.0 | <5.0 | 10 | <5.0 | <5.0 | b (ethanol) |
| 4/25/2005 | <1,000 | 18,000 | 170 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 9/30/2005 | <2,500 | 30,000 | 110 | <25 | <25 | <25 | <25 | <25 | |
| 12/28/2005 | <5,000 | 27,000 | 34 | <50 | <25 | <25 | <25 | -- | |
| 3/23/2006 | <5,000 | 34,000 | 120 | <50 | <25 | <25 | <25 | <25 | |
| 6/5/2006 | <10,000 | 34,000 | <50 | <100 | <50 | <50 | <50 | <50 | Well purged dry |
| 9/19/2006 | <25,000 | 27,000 | 110 | <100 | <50 | <50 | <50 | <50 | Well purged dry |
| 12/1/2006 | <25,000 | 31,000 | 68 | <100 | <50 | <50 | <50 | <50 | Well purged dry |
| 3/1/2007 | <25,000 | 31,000 | <50 | <100 | <50 | <50 | <50 | <50 | |
| 6/1/2007 | <13,000 | 32,000 | 31 | <50 | <25 | <25 | <25 | <25 | |
| 9/13/2007 | <13,000 | 10,000 | <25 | <50 | <25 | <25 | <25 | <25 | |
| 11/21/2007 | <13,000 | 38,000 | <25 | <50 | <25 | <25 | <25 | <25 | |
| 2/29/2008 | <25,000 | 32,000 | <50 | <100 | <50 | <50 | <50 | <50 | |
| 5/23/2008 | <25,000 | 42,000 | <50 | <100 | <50 | <50 | <50 | <50 | |
| 9/26/2008 | <250 | 39,000 | 14 | <1.0 | 2.8 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 37,000 | 15 | <1.0 | 3.2 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 27,000 | 18 | <1.0 | 3.5 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 36,000 | 21 | <1.0 | 2.9 | 1.1 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | 39,000 | 10 | <0.50 | 2.7 | <0.50 | <0.50 | <0.50 | Well purged dry |
| 6/29/2010 | <1,000 | 38,000 | 7.3 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 12/30/2010 | <2,500 | 31,000 | 11 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 6/29/2011 | -- | 30,000 | 11 | -- | -- | <5.0 | -- | -- | |
| 1/30/2012 | -- | 23,000 | 11 | -- | -- | 0.50 | -- | -- | |
| 6/29/2012 | -- | 28,000 | 9.3 | -- | -- | <5.0 | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|-----|---------|------|------|------|---------|-----|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-5 | | | | | | | | | |
| 2/15/1994 | -- | -- | 153 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | 165 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 196 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | 559 | -- | -- | -- | -- | -- | |
| 11/3/1995 | -- | -- | 200 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | <100 | -- | -- | -- | -- | -- | |
| 7/16/1996 | -- | -- | <100 | -- | -- | -- | -- | -- | |
| 8/12/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | 1,700 | -- | -- | -- | -- | -- | |
| 5/17/1997 | -- | -- | 46 | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | -- | 1,900 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | 13,000 | -- | -- | -- | -- | -- | |
| 1/29/1998 | -- | -- | 180,000 | -- | -- | -- | -- | -- | |
| 6/22/1998 | -- | -- | 47 | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | -- | 63 | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | -- | 24 | -- | -- | -- | -- | -- | |
| 6/23/1999 | -- | -- | 7,500 | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | -- | 580 | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | -- | 4,800 | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 5/26/2000 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 9/6/2000 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 9/15/2000 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 12/11/2000 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/29/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 9/19/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 12/28/2001 | -- | -- | 72 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 32 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 616 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 230 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|----------------|------------|------|-------|-----------------|---------|-------|---------------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-5 Cont. | | | | | | | | | |
| 12/13/2002 | -- | -- | 110 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 6.4 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <1,000 | <200 | <5.0 | <5.0 | <5.0 | <5.0 | -- | -- | |
| 8/7/2003 | <1,000 | <200 | 18 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 11/20/2003 | <500 | <100 | 12 | <2.5 | <2.5 | <2.5 | -- | -- | |
| 4/28/2004 | <500 | <100 | 11 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 8/26/2004 | 8.3 | <100 | 74 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 12/1/2004 | <1,000 | <200 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 2/2/2005 | <500 | <100 | 11 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | b (ethanol) |
| 4/25/2005 | <500 | <100 | 12 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 9/30/2005 | <100 | 27 | 16 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/28/2005 | <400 | <20 | 3.8 | 14 | <2.0 | <2.0 | <2.0 | -- | |
| 3/23/2006 | <400 | 37 | 8.6 | <4.0 | <2.0 | <2.0 | <2.0 | <2.0 | |
| 6/5/2006 | <500 | 90 | 11 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 9/19/2006 | <1,300 | 53 | 12 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 12/1/2006 | <1,300 | <25 | 14 | <5.0 | <2.5 | 2.7 | <2.5 | <2.5 | |
| 3/1/2007 | <1,300 | <25 | <2.5 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 6/1/2007 | <1,300 | 40 | 11 | 32 | <2.5 | <2.5 | <2.5 | 5.8 | |
| 9/13/2007 | <1,300 | <25 | 8.5 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 11/21/2007 | <1,300 | 310 | 11 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 2/29/2008 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/23/2008 | <1,200 | <25 | 3.9 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 9/26/2008 | <250 | <5.0 | 2.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | <5.0 | 1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | -- | -- | -- | -- | -- | -- | -- | -- | INA, Need traffic control |
| 6/29/2010 | -- | -- | -- | -- | -- | -- | -- | -- | INA, Need traffic control |
| 12/30/2010 | -- | -- | -- | -- | -- | -- | -- | -- | INA, Need traffic control |
| 6/29/2011 | -- | <4.0 | 1.9 | -- | -- | <0.50 | -- | -- | |
| 1/30/2012 | -- | 17 | 2.1 | -- | -- | <0.50 | -- | -- | |
| 6/27/2012 | -- | <4.0 | 2.0 | -- | -- | <0.50 | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------|------|-------|-------|------|---------|-------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-6 | | | | | | | | | |
| 10/12/1993 | -- | -- | 44 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | -- | 38 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | 49 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 60 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | 85 | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | -- | 35 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | <100 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | 62 | -- | -- | -- | -- | -- | |
| 7/15/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | <10 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | <10 | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | -- | 820 | -- | -- | -- | -- | -- | |
| 6/27/2001 | -- | -- | 968 | -- | -- | -- | -- | -- | |
| 9/19/2001 | -- | -- | 879 | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | -- | -- | -- | -- | -- | -- | -- | NS |
| 3/12/2002 | -- | -- | 244 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 413 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 240 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 200 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 150 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <1,000 | <200 | 140 | <5.0 | <5.0 | 21 | -- | -- | |
| 8/7/2003 | <1,000 | <200 | 160 | <5.0 | <5.0 | 20 | <5.0 | <5.0 | |
| 11/20/2003 | <100 | <20 | 74 | <0.50 | <0.50 | 12 | -- | -- | |
| 4/28/2004 | <500 | <100 | 120 | <2.5 | <2.5 | 12 | <2.5 | <2.5 | |
| 8/26/2004 | <500 | <100 | 110 | <2.5 | <2.5 | 12 | <2.5 | <2.5 | b (ethanol) |
| 8/26/2004 | 11 | <100 | 110 | <2.5 | <2.5 | 12 | <2.5 | <2.5 | e (ethanol) |
| 12/1/2004 | <500 | <100 | 86 | <2.5 | <2.5 | 11 | <2.5 | <2.5 | |
| 2/2/2005 | <100 | 32 | 41 | <0.50 | <0.50 | 6.2 | <0.50 | <0.50 | b (ethanol) |
| 4/25/2005 | <100 | 45 | 50 | <0.50 | <0.50 | 6.0 | <0.50 | <0.50 | b (ethanol) |
| 9/30/2005 | <200 | 280 | 51 | <2.0 | <2.0 | 4.4 | <2.0 | <2.0 | |
| 12/28/2005 | <100 | 160 | 16 | <1.0 | <0.50 | 2.0 | <0.50 | -- | |
| 3/23/2006 | <100 | 35 | 5.6 | <1.0 | <0.50 | 0.91 | <0.50 | <0.50 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|-----------|------------|-------|-------|-------------|---------|-------|----------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-6 Cont. | | | | | | | | | |
| 6/5/2006 | <100 | 110 | 14 | <1.0 | <0.50 | 1.5 | <0.50 | <0.50 | |
| 9/19/2006 | <250 | 190 | 8.8 | <1.0 | <0.50 | 1.4 | <0.50 | <0.50 | |
| 12/1/2006 | <250 | 98 | 5.9 | <1.0 | <0.50 | 0.94 | <0.50 | <0.50 | |
| 3/1/2007 | <250 | 96 | 6.0 | <1.0 | <0.50 | 0.68 | <0.50 | <0.50 | |
| 6/1/2007 | <250 | 160 | 7.4 | <1.0 | <0.50 | 0.77 | <0.50 | <0.50 | |
| 9/13/2007 | <250 | 120 | 6.7 | <1.0 | <0.50 | 0.87 | <0.50 | <0.50 | |
| 11/21/2007 | <250 | 210 | 8.4 | <1.0 | <0.50 | 1.0 | <0.50 | <0.50 | |
| 2/29/2008 | <250 | 46 | 7.1 | <1.0 | <0.50 | 0.92 | <0.50 | <0.50 | |
| 5/23/2008 | <250 | 53 | 8.4 | <1.0 | <0.50 | 0.95 | <0.50 | <0.50 | |
| 9/26/2008 | <250 | 56 | 5.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 54 | 5.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 62 | 3.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 55 | 6.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | 40 | 2.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2010 | <100 | 49 | 2.7 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | 44 | 2.2 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2011 | -- | 37 | 3.6 | -- | -- | <0.50 | -- | -- | |
| 1/30/2012 | -- | 110 | 4.0 | -- | -- | <0.50 | -- | -- | |
| 6/27/2012 | -- | 49 | 2.2 | -- | -- | 0.52 | -- | -- | |
| MW-7 | | | | | | | | | |
| 10/12/1993 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | 12 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | 182 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | 52 | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | -- | 55 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | 40 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | 53 | -- | -- | -- | -- | -- | |
| 7/15/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | <10 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | <10 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|-------|-------|-------|-------|------|---------|-------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-7 Cont. | | | | | | | | | |
| 3/29/2001 | -- | -- | 636 | -- | -- | -- | -- | -- | |
| 6/27/2001 | -- | -- | 739 | -- | -- | -- | -- | -- | |
| 9/19/2001 | -- | -- | 1,190 | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | -- | 856 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 675 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 1,470 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 690 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 1,800 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 1,600 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <1,000 | <200 | 510 | <5.0 | <5.0 | 41 | -- | -- | |
| 8/7/2003 | <1,000 | <200 | 520 | <5.0 | <5.0 | 43 | <5.0 | <5.0 | |
| 11/20/2003 | <500 | 1,300 | 270 | <2.5 | <2.5 | 8.9 | -- | -- | |
| 4/28/2004 | <500 | 880 | 71 | <2.5 | <2.5 | 3.5 | <2.5 | <2.5 | |
| 8/26/2004 | <500 | 4,800 | 150 | <2.5 | <2.5 | 7.8 | <0.50 | <0.50 | |
| 8/26/2004 | 6.0 | 4,800 | 150 | <2.5 | <2.5 | 7.8 | <0.50 | <0.50 | e (ethanol) |
| 12/1/2004 | <200 | 1,400 | 25 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | |
| 2/2/2005 | <100 | 830 | 31 | <0.50 | <0.50 | 1.8 | <0.50 | <0.50 | b (ethanol) |
| 4/25/2005 | <100 | 520 | 41 | <0.50 | <0.50 | 2.1 | <0.50 | <0.50 | b (ethanol) |
| 9/30/2005 | <50 | 450 | 18 | <0.50 | <0.50 | 1.5 | <0.50 | <0.50 | |
| 12/28/2005 | <1,000 | 1,600 | 7.4 | <10 | <5.0 | <5.0 | <5.0 | -- | |
| 3/23/2006 | <100 | 340 | 25 | <1.0 | <0.50 | 1.7 | <0.50 | <0.50 | |
| 6/5/2006 | <100 | 200 | 14 | <1.0 | <0.50 | 1.2 | <0.50 | <0.50 | |
| 9/19/2006 | <250 | 280 | 14 | <1.0 | <0.50 | 1.6 | <0.50 | <0.50 | |
| 12/1/2006 | <1,300 | 1,400 | 6.7 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 3/1/2007 | <1,300 | 1,000 | 4.0 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 6/1/2007 | <250 | 600 | 7.5 | <1.0 | <0.50 | 0.59 | <0.50 | <0.50 | |
| 9/13/2007 | <250 | 260 | 10 | <1.0 | <0.50 | 0.80 | <0.50 | <0.50 | |
| 11/21/2007 | <250 | 1,500 | 8.4 | <1.0 | <0.50 | 0.87 | <0.50 | <0.50 | |
| 2/29/2008 | <250 | 960 | 6.2 | <1.0 | <0.50 | 0.73 | <0.50 | <0.50 | |
| 5/23/2008 | <250 | 300 | 9.6 | <1.0 | <0.50 | 0.96 | <0.50 | <0.50 | |
| 9/26/2008 | <250 | 800 | 7.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 3,500 | 5.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|--------------|------------|-------|-------|-------------|---------|-------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-7 Cont. | | | | | | | | | |
| 3/9/2009 | <250 | 1,300 | 4.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 110 | 5.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | 1,200 | 6.5 | <0.50 | <0.50 | 0.56 | <0.50 | <0.50 | |
| 6/29/2010 | <100 | 2,000 | 3.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | 3,900 | 5.6 | <0.50 | <0.50 | 0.58 | <0.50 | <0.50 | |
| 6/29/2011 | -- | 2,200 | <5.0 | -- | -- | <5.0 | -- | -- | |
| 1/30/2012 | -- | 2,700 | 4.0 | -- | -- | <0.50 | -- | -- | |
| 6/27/2012 | -- | 1,400 | 2.7 | -- | -- | 0.56 | -- | -- | |
| MW-8 | | | | | | | | | |
| 10/12/1993 | -- | -- | 11 | -- | -- | -- | -- | -- | |
| 2/15/1994 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 5/11/1994 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 8/1/1994 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 10/18/1994 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 11/2/1995 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 2/5/1996 | -- | -- | <100 | -- | -- | -- | -- | -- | |
| 4/24/1996 | -- | -- | <100 | -- | -- | -- | -- | -- | |
| 7/15/1996 | -- | -- | <50 | -- | -- | -- | -- | -- | |
| 11/5/1996 | -- | -- | <10 | -- | -- | -- | -- | -- | |
| 11/17/1997 | -- | -- | <10 | -- | -- | -- | -- | -- | |
| 12/30/1998 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/9/1999 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 3/29/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/27/2001 | -- | -- | 3.4 | -- | -- | -- | -- | -- | |
| 9/19/2001 | -- | -- | <5.0 | -- | -- | -- | -- | -- | |
| 12/28/2001 | -- | -- | 6.3 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 8.7 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 16 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 76 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 140 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 800 | -- | -- | -- | -- | -- | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------------|------------|-----------|-----------|-----------------|-----------|-----------|-----------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-8 Cont. | | | | | | | | | |
| 6/6/2003 | <100,000 | <20,000 | 17,000 | <500 | <500 | <500 | -- | -- | |
| 8/7/2003 | <5,000 | <1,000 | 2,400 | <25 | <25 | 44 | <25 | <25 | |
| 11/20/2003 | <5,000 | 4,100 | 1,400 | <25 | <25 | <25 | -- | -- | b |
| 4/28/2004 | <500 | 42,000 | 170 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | c |
| 8/26/2004 | <5.0 | 47,000 | 170 | <25 | <25 | <25 | <25 | <25 | |
| 12/1/2004 | <500 | 9,700 | 36 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 2/2/2005 | <100 | <20 | 41 | <0.50 | 0.72 | 0.64 | <0.50 | <0.50 | b (ethanol) |
| 4/25/2005 | <2,500 | 45,000 | 32 | <12 | <12 | <12 | <12 | <12 | |
| 9/30/2005 | <500 | 8,500 | 17 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 12/28/2005 | <500 | 7,400 | 17 | <5.0 | <2.5 | <2.5 | <2.5 | -- | |
| 3/23/2006 | <500 | 11,000 | 21 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 6/5/2006 | <5,000 | 34,000 | 30 | <50 | <25 | <25 | <25 | <25 | |
| 9/19/2006 | <2,500 | 7,500 | 17 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | Well purged dry |
| 12/1/2006 | <1,300 | 1,900 | 16 | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | |
| 3/1/2007 | <2,500 | 6,200 | 20 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 6/1/2007 | <2,500 | 3,700 | 8.7 | <10 | <5.0 | <5.0 | <5.0 | <5.0 | |
| 9/13/2007 | <250 | 630 | 9.4 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/21/2007 | <250 | 360 | 8.7 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/29/2008 | <5,000 | 7,500 | 16 | <20 | <10 | <10 | <10 | <10 | |
| 5/23/2008 | <5,000 | 4,800 | 15 | <20 | <10 | <10 | <10 | <10 | |
| 9/26/2008 | <250 | 1,800 | 14 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 770 | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 3,300 | 15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 710 | 6.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | 960 | 9.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2010 | <100 | 1,700 | 10 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | 1,500 | 6.6 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2011 | -- | 2,000 | 4.7 | -- | -- | <0.50 | -- | -- | |
| 1/30/2012 | -- | 250 | 3.8 | -- | -- | <0.50 | -- | -- | |
| 6/27/2012 | -- | 270 | 2.2 | -- | -- | <0.50 | -- | -- | |
| MW-9 | | | | | | | | | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|---------|---------|------|------|------|---------|------|----------------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-9 Cont. | | | | | | | | | |
| 5/17/1997 | -- | -- | 39,000 | -- | -- | -- | -- | -- | DUP |
| 5/17/1997 | -- | -- | 40,000 | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | -- | 26,000 | -- | -- | -- | -- | -- | |
| 8/11/1997 | -- | -- | 27,000 | -- | -- | -- | -- | -- | DUP |
| 11/17/1997 | -- | -- | 32,000 | -- | -- | -- | -- | -- | DUP |
| 11/17/1997 | -- | -- | 35,000 | -- | -- | -- | -- | -- | DUP |
| 1/29/1998 | -- | -- | 110,000 | -- | -- | -- | -- | -- | DUP |
| 1/29/1998 | -- | -- | 110,000 | -- | -- | -- | -- | -- | DUP |
| 6/22/1998 | -- | -- | 110,000 | -- | -- | -- | -- | -- | DUP |
| 6/22/1998 | -- | -- | 110,000 | -- | -- | -- | -- | -- | DUP |
| 12/30/1998 | -- | -- | 86,000 | -- | -- | -- | -- | -- | |
| 3/9/1999 | -- | -- | 100,000 | -- | -- | -- | -- | -- | |
| 6/23/1999 | -- | -- | 92,000 | -- | -- | -- | -- | -- | |
| 9/23/1999 | -- | -- | 89,000 | -- | -- | -- | -- | -- | |
| 12/28/1999 | -- | -- | 100,000 | -- | -- | -- | -- | -- | |
| 3/22/2000 | -- | -- | 120,000 | -- | -- | -- | -- | -- | |
| 5/26/2000 | -- | -- | 100,000 | -- | -- | -- | -- | -- | |
| 9/6/2000 | -- | -- | 84,000 | -- | -- | -- | -- | -- | |
| 12/11/2000 | -- | -- | 123,000 | -- | -- | -- | -- | -- | |
| 3/29/2001 | -- | -- | -- | -- | -- | -- | -- | -- | INA |
| 6/26/2001 | -- | -- | -- | -- | -- | -- | -- | -- | GW Elev. Estimated |
| 12/28/2001 | -- | -- | 60,900 | -- | -- | -- | -- | -- | |
| 3/12/2002 | -- | -- | 44,000 | -- | -- | -- | -- | -- | |
| 6/13/2002 | -- | -- | 35,600 | -- | -- | -- | -- | -- | |
| 9/6/2002 | -- | -- | 31,000 | -- | -- | -- | -- | -- | |
| 12/13/2002 | -- | -- | 28,000 | -- | -- | -- | -- | -- | EPA 8015B/8021B used |
| 2/19/2003 | -- | -- | 11,000 | -- | -- | -- | -- | -- | |
| 6/6/2003 | <100,000 | <20,000 | 17,000 | <500 | <500 | <500 | -- | -- | |
| 8/7/2003 | <50,000 | <10,000 | 17,000 | <250 | <250 | 350 | <250 | <250 | |
| 11/20/2003 | <50,000 | 12,000 | 16,000 | <250 | <250 | <250 | -- | -- | |
| 4/28/2004 | <25,000 | <5,000 | 8,500 | <120 | <120 | 170 | <120 | <120 | |
| 8/26/2004 | 13 | 2,600 | 6,500 | <50 | <50 | 140 | <50 | <50 | e (ethanol) |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------------|------------|-----------|-----------|------------|-----------|-----------|-----------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-9 Cont. | | | | | | | | | |
| 8/26/2004 | -- | 2,600 | 6,500 | <50 | <50 | 140 | <50 | <50 | d (TBA) |
| 12/1/2004 | <50,000 | <10,000 | 8,300 | <250 | <250 | <250 | <250 | <250 | |
| 2/2/2005 | <10,000 | 5,600 | 3,600 | <50 | <50 | 88 | <50 | <50 | b (ethanol) |
| 4/25/2005 | <1,000 | 1,400 | 540 | <5.0 | <5.0 | 14 | <5.0 | <5.0 | b (ethanol) |
| 9/30/2005 | <2,000 | 520 | 2,400 | <20 | <20 | 61 | <20 | <20 | |
| 12/28/2005 | <2,000 | 1,800 | 2,200 | <20 | <10 | 49 | <10 | -- | |
| 3/23/2006 | <2,000 | 2,400 | 330 | <20 | <10 | <10 | <10 | <10 | |
| 6/5/2006 | <2,500 | 1,100 | 1,800 | <25 | <13 | 75 | <13 | <13 | Well purged dry |
| 9/19/2006 | <6,300 | 3,900 | 3,100 | <25 | <13 | 100 | <13 | <13 | Well purged dry |
| 12/1/2006 | <6,300 | 2,400 | 1,400 | <25 | <13 | 46 | <13 | <13 | Well purged dry |
| 3/1/2007 | <6,300 | 580 | 240 | <25 | <13 | <13 | <13 | <13 | |
| 6/1/2007 | <6,300 | 2,300 | 1,800 | <25 | <13 | 50 | <13 | <13 | |
| 9/13/2007 | <6,300 | 7,300 | 640 | <25 | <13 | 28 | <13 | <13 | |
| 11/21/2007 | <6,300 | 3,500 | 2,000 | <25 | <13 | 42 | <13 | <13 | |
| 2/29/2008 | <6,300 | 2,400 | 1,100 | <25 | <13 | 35 | <13 | <13 | |
| 5/23/2008 | <6,200 | 6,800 | 1,200 | <25 | <12 | 33 | <12 | <12 | |
| 9/26/2008 | <250 | 12,000 | 280 | <1.0 | <1.0 | 6.2 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | 1,000 | 870 | <1.0 | <1.0 | 23 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 610 | 180 | <1.0 | <1.0 | 4.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | 840 | 720 | <1.0 | <1.0 | 21 | <1.0 | <1.0 | |
| 12/10/2009 | <500 | 4,200 | 780 | <2.5 | <2.5 | 15 | <2.5 | <2.5 | |
| 6/29/2010 | <2,000 | 4,200 | 1,200 | <10 | <10 | 30 | <10 | <10 | |
| 12/30/2010 | <250 | 22 | 13 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2011 | -- | 960 | 900 | -- | -- | 29 | -- | -- | |
| 1/30/2012 | -- | 1,600 | 630 | -- | -- | 20 | -- | -- | |
| 6/27/2012 | -- | 160 | 130 | -- | -- | 4.9 | -- | -- | |
| MW-10 | | | | | | | | | |
| 4/25/2005 | <100 | <20 | 1.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | b (ethanol) |
| 9/30/2005 | <50 | <5.0 | 1.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/28/2005 | <100 | <5.0 | 0.78 | <1.0 | <0.50 | <0.50 | <0.50 | -- | |
| 3/23/2006 | <100 | <5.0 | 0.67 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------|-----------------|-------|-------|-------|---------|-------|-----------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-10 Cont. | | | | | | | | | |
| 6/5/2006 | <100 | <5.0 | 1.8 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/19/2006 | <250 | <5.0 | 0.59 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/1/2006 | <250 | <5.0 | 0.89 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | Well purged dry |
| 3/1/2007 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/1/2007 | <250 | <5.0 | 1.2 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/13/2007 | <250 | <5.0 | 0.94 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/21/2007 | <250 | <5.0 | 2.2 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/29/2008 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 5/23/2008 | <250 | <5.0 | 2.2 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/26/2008 | <250 | <5.0 | 3.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | <5.0 | 2.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | 6.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | <5.0 | 1.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | <4.0 | 1.5 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2010 | <100 | <4.0 | 1.6 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | <4.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2011 | -- | -- | <0.50 | -- | -- | -- | -- | -- | |
| 6/27/2012 | -- | -- | <0.50 | -- | -- | -- | -- | -- | |
| MW-11 | | | | | | | | | |
| 4/25/2005 | <100 | <20 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/30/2005 | <50 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/28/2005 | <100 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | -- | |
| 3/23/2006 | <100 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/5/2006 | <100 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/19/2006 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/1/2006 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 3/1/2007 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/1/2007 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/13/2007 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 11/21/2007 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 2/29/2008 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |

**Table 2. Summary of Fuel Additives Analytical Data
Former BP Station #11126, 1700 Powell Street, Emeryville, CA**

| Well ID and Date Monitored | Concentrations in µg/L | | | | | | | | Footnote |
|-------------------------------|------------------------|------|-----------------|-------|-------|-------|---------|-------|-------------|
| | Ethanol | TBA | MTBE | DIPE | ETBE | TAME | 1,2-DCA | EDB | |
| MW-11 Cont. | | | | | | | | | |
| 5/23/2008 | <250 | <5.0 | <0.50 | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 9/26/2008 | <250 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/23/2008 | <250 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 3/9/2009 | <250 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 5/28/2009 | <250 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | |
| 12/10/2009 | <100 | <4.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | Obstruction |
| 6/29/2010 | <100 | <4.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 12/30/2010 | <250 | <4.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | |
| 6/29/2011 | -- | -- | <0.50 | -- | -- | -- | -- | -- | |
| 6/27/2012 | -- | -- | <0.50 | -- | -- | -- | -- | -- | |

Symbols & Abbreviations:

MTBE = Methyl tert-butyl ether

TBA = Tert-butyl alcohol

DIPE = Diisopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = Tert-amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

mg/L = Milligrams per liter

µg/L = Micrograms per liter

< = Analyte was not detected above the specified method detection limit; except after 2008 Quarter 3 where reporting limits are used.

-- = Not measured or analyzed

N = Identity of contaminant uncertain (hydrocarbon pattern atypical of indicated analyte); see lab report

ND = Not detected (historical data; reporting limit not reported)

DUP = Duplicate sample

INA = Well inaccessible; not sampled

NS = Well not sampled

Footnotes:

a = Confirmatory analysis was past holding time

b = The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose

c = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument

d = Initial analysis within holding time but required dilution

e = Split samples analyzed by EPA Method 8260B SIM

Notes:

Beginning in the first quarter 2003, VOCs analyzed by EPA Method 8260B

The data within this table collected prior to December 2009 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information

Table 3. Historical Groundwater Gradient - Direction and Magnitude
Former BP Station #11126, 1700 Powell Street, Emeryville, CA

| Date Measured | Approximate Gradient Direction | Approximate Gradient Magnitude (ft/ft) |
|----------------------|---------------------------------------|---|
| 3/29/2001 | South | 0.020 |
| 6/27/2001 | South | 0.020 |
| 9/19/2001 | South | 0.020 |
| 12/28/2001 | South | 0.035 |
| 3/12/2002 | South-Southeast | 0.018 |
| 6/13/2002 | Northwest to Southeast | 0.007 |
| 9/6/2002 | South | 0.010 |
| 12/13/2002 | Southeast | 0.020 |
| 2/19/2003 | West-Southwest | 0.025 |
| 6/6/2003 | East-Southwest | - |
| 8/7/2003 | East-Southwest | - |
| 11/20/2003 | Northwest to Southeast | - |
| 2/5/2004 | Northwest to Southeast | 0.020 |
| 4/28/2004 | West-Southwest | - |
| 8/26/2004 | South-Southwest | 0.036 |
| 12/1/2004 | Northwest to Southeast | 0.020 |
| 2/2/2005 | South | 0.020 |
| 4/25/2005 | Southwest | 0.020 |
| 9/30/2005 | Southwest | 0.081 |
| 12/28/2005 | Southwest | 0.081 |
| 3/23/2006 | Southwest | 0.040 |
| 6/5/2006 | Southwest | 0.020 |
| 9/19/2006 | Southwest | 0.013 |
| 12/1/2006 | Southwest | 0.030 |
| 3/1/2007 | Southwest | 0.010 |
| 6/1/2007 | Southwest | 0.025 |
| 9/13/2007 | Southwest | 0.025 |
| 11/21/2007 | Southwest | 0.025 |
| 2/29/2008 | Southwest | 0.060 |
| 5/23/2008 | Southwest | 0.067 |
| 9/26/2008 | South | 0.020 |
| 12/23/2008 | Southwest | 0.020 |
| 3/9/2009 | Southwest | 0.025 |
| 5/28/2009 | Southwest | 0.017 |
| 12/10/2009 | Southwest | 0.020 |
| 6/29/2010 | Southwest | 0.010 |
| 12/30/2010 | Southwest | 0.008 |
| 6/29/2011 | South-Southwest | 0.01 |
| 1/30/2012 | Southwest | 0.009 |
| 6/27/2012 | Southwest | 0.003 |

Table 3. Historical Groundwater Gradient - Direction and Magnitude
Former BP Station #11126, 1700 Powell Street, Emeryville, CA

| Date Measured | Approximate Gradient Direction | Approximate Gradient Magnitude (ft/ft) |
|----------------------|---------------------------------------|---|
|----------------------|---------------------------------------|---|

Notes:

The groundwater was flowing in two directions (Northwest and Southeast) during the second quarter of 2002, the fourth quarter of 2003, and the first and fourth quarters of 2004

The data within this table collected prior to December 2009 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information

Table 4. Bio-Degradation Parameters
Former BP Station #11126, 1700 Powell Street, Emeryville, CA

| Well ID and Date Monitored | Concentrations in mg/L | | | | | | | | | ORP (mV) | pH | Temp (F) | Conductivity (µS/cm) | Footnote |
|----------------------------|------------------------|---------------|-----------|--------------|---------------|---------------|---------|------------------|-----------|----------|------|----------|----------------------|----------|
| | Dissolved Oxygen | Nitrate (NO3) | Manganese | Ferrous Iron | Sulfate (SO4) | Dissolved CO2 | Methane | Total Alkalinity | Magnesium | | | | | |
| MW-1 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.40 | <1.0 | 1.4 | 3.7 | 4.5 | 29 | 0.76 | 340 | 22 | -- | 7.6 | 68.72 | 668 | |
| 1/30/2012 | 0.66 | -- | -- | -- | -- | -- | -- | -- | -- | -68 | 7.36 | 61.88 | 1,628 | |
| 6/27/2012 | 1.62 | -- | -- | -- | -- | -- | -- | -- | -- | 79 | 6.86 | 67.10 | 932 | |
| MW-2 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.41 | <1.0 | 4.5 | 25 | <1.0 | 180 | 6.3 | 660 | 49 | -- | 7.1 | 68.9 | 1,104 | |
| 1/30/2012 | 0.63 | -- | -- | -- | -- | -- | -- | -- | -- | -61 | 7.21 | 62.78 | 995 | |
| 6/27/2012 | 1.24 | -- | -- | -- | -- | -- | -- | -- | -- | 20 | 6.46 | 71.96 | 1,487 | |
| MW-3 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.45 | <1.0 | 0.63 | 0.79 | 24 | 62 | 0.26 | 400 | 20 | -- | 7.4 | 66.02 | 852 | |
| 1/30/2012 | 1.21 | -- | -- | -- | -- | -- | -- | -- | -- | 92 | 7.50 | 62.96 | 861 | |
| 6/27/2012 | 1.14 | -- | -- | -- | -- | -- | -- | -- | -- | 111 | 7.05 | 67.82 | 1,253 | |
| MW-4 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.45 | <1.0 | 0.67 | 5.8 | <1.0 | 73 | 7.3 | 1,200 | 52 | -- | 7.6 | 63.86 | 2,310 | |
| 1/30/2012 | 0.55 | -- | -- | -- | -- | -- | -- | -- | -- | -103 | 7.71 | 64.76 | 1,856 | |
| 6/29/2012 | 1.21 | -- | -- | -- | -- | -- | -- | -- | -- | 123 | 6.72 | 64.58 | 2,227 | |
| MW-5 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.46 | <1.0 | 2.1 | 16 | <1.0 | 73 | 6.2 | 370 | 30 | -- | 7.3 | 67.64 | 764 | |
| 1/30/2012 | 1.09 | -- | -- | -- | -- | -- | -- | -- | -- | -76 | 7.46 | 62.78 | 715 | |
| 6/27/2012 | 1.52 | -- | -- | -- | -- | -- | -- | -- | -- | 54 | 6.93 | 71.24 | 694 | |
| MW-6 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.03 | <1.0 | 0.63 | 14 | 12 | 81 | 5.8 | 590 | 48 | -- | 7.4 | 69.26 | 6,060 | |
| 1/30/2012 | 0.61 | -- | -- | -- | -- | -- | -- | -- | -- | -101 | 7.61 | 64.76 | 5,090 | |
| 6/27/2012 | 0.94 | -- | -- | -- | -- | -- | -- | -- | -- | 55 | 6.58 | 73.22 | 2,552 | |
| MW-7 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.47 | <1.0 | 0.64 | 3.0 | <1.0 | 74 | 7.4 | 790 | 41 | -- | 7.5 | 70.52 | 7,650 | |
| 1/30/2012 | 0.69 | -- | -- | -- | -- | -- | -- | -- | -- | -90 | 7.69 | 66.2 | 4,540 | |
| 6/27/2012 | 1.23 | -- | -- | -- | -- | -- | -- | -- | -- | 67 | 7.01 | 24.0 | 2,278 | |

Table 4. Bio-Degradation Parameters
Former BP Station #11126, 1700 Powell Street, Emeryville, CA

| Well ID and Date Monitored | Concentrations in mg/L | | | | | | | | | ORP (mV) | pH | Temp (F) | Conductivity (µS/cm) | Footnote |
|----------------------------|------------------------|---------------|-----------|--------------|---------------|---------------|---------|------------------|-----------|----------|------|----------|----------------------|----------|
| | Dissolved Oxygen | Nitrate (NO3) | Manganese | Ferrous Iron | Sulfate (SO4) | Dissolved CO2 | Methane | Total Alkalinity | Magnesium | | | | | |
| MW-8 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.62 | <1.0 | 3.2 | 17 | <1.0 | 110 | 5.9 | 780 | 64 | -- | 7.2 | 69.8 | 1,627 | |
| 1/30/2012 | 1.52 | -- | -- | -- | -- | -- | -- | -- | -- | -101 | 7.37 | 65.3 | 1,407 | |
| 6/27/2012 | 1.09 | -- | -- | -- | -- | -- | -- | -- | -- | 48 | 6.72 | 71.78 | 1,075 | |
| MW-9 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.48 | <1.0 | 0.95 | 8.6 | <1.0 | 75 | 8.2 | 350 | 18 | -- | 7.2 | 68 | 644 | |
| 1/30/2012 | 0.75 | -- | -- | -- | -- | -- | -- | -- | -- | -4 | 7.35 | 62.96 | 609 | |
| 6/27/2012 | 1.43 | -- | -- | -- | -- | -- | -- | -- | -- | 106 | 6.88 | 70.34 | 318 | |
| MW-10 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.49 | <1.0 | 0.99 | 5.5 | 17 | 43 | 2.1 | 470 | 30 | -- | 7.4 | 65.3 | 1,018 | |
| 6/27/2012 | 1.14 | -- | -- | -- | -- | -- | -- | -- | -- | 59 | 6.46 | 68.0 | 2,135 | |
| MW-11 | | | | | | | | | | | | | | |
| 6/29/2011 | 0.75 | <1.0 | 0.045 | <0.10 | 73 | 48 | 0.0037 | 470 | 27 | -- | 7.4 | 64.22 | 1,143 | |
| 6/27/2012 | 1.13 | -- | -- | -- | -- | -- | -- | -- | -- | 112 | 7.58 | 68.18 | 367 | |

Symbols & Abbreviations:

< = Not detected at or above specified laboratory reporting limit

ORP = Oxygen reduction potential

DO = Dissolved oxygen

CO₂ = Carbon dioxide

S₂- = Soluble Sulfide

mV = Millivolts

µg/L = Micrograms per liter

mg/L = Milligrams per liter

BV = Sample received after holding time expired

APPENDIX A
FIELD METHODS

QUALITY ASSURANCE/QUALITY CONTROL FIELD METHODS

Field methods discussed herein were implemented to provide for accuracy and reliability of field activities, data collection, sample collection, and handling. Discussion of these methods is provided below.

1.0 Equipment Calibration

Equipment calibration was performed per equipment manufacturer specifications before use.

2.0 Depth to Groundwater and Light Non-Aqueous Phase Liquid Measurement

Depth to groundwater was measured in wells identified for gauging in the scope of work using a decontaminated water level indicator. The depth to water measurement was taken from a cut notch or permanent mark at the top of the well casing to which the well head elevation was originally surveyed.

Once depth to water was measured, an oil/water interface meter or a new disposable bailer was utilized to evaluate the presence and, if present, to measure the “apparent” thickness of light non-aqueous phase liquid (LNAPL) in the well. If LNAPL was present in the well, groundwater purging and sampling were not performed, unless sampling procedures in the scope of work specified collection of samples in the presence of LNAPL. Otherwise, time allowing, LNAPL was bailed from the well using either a new disposable bailer, or the disposal bailer previously used for initial LNAPL assessment. Bailing of LNAPL continued until the thickness of LNAPL (or volume) stabilized in each bailer pulled from the well, or LNAPL was no longer present. After LNAPL thickness either stabilized or was eliminated, periodic depth to water and depth to LNAPL measurements were collected as product came back into the well to evaluate product recovery rate and to aid in further assessment of LNAPL in the subsurface. LNAPL thickness measurements were recorded as “apparent.” If a bailer was used for LNAPL thickness measurement, the field sampler noted the bailer entry diameter and chamber diameter to enable correction of thickness measurements. Recovered LNAPL was stored on-site in a labeled steel drum(s) or other appropriate container(s) prior to disposal.

3.0 Well Purging and Groundwater Sample Collection

Well purging and groundwater sampling were performed in wells specified in the scope of work after measuring depth to groundwater and evaluating the presence of LNAPL. Purging and sampling were performed using one of the methods detailed below. The method used was noted in the field records. Purge water was stored on-site in labeled steel drum(s) or other appropriate container(s) prior to disposal or on-site treatment (in cases where treatment using an on-site system is authorized).

3.1 Purging a Predetermined Well Volume

Purging a predetermined well volume is performed per ASTM International (ASTM) D4448-01. This purging method has the objective of removing a predetermined volume of stagnant water from the well prior to sampling. The volume of stagnant water

is defined as either the volume of water contained within the well casing, or the volume within the well casing and sand/gravel in the annulus if natural flow through these is deemed insufficient to keep them flushed out.

This purging method involves removal of a minimum of three stagnant water volumes from the well using a decontaminated pump with new disposable plastic discharge or suction tubing, dedicated well tubing, or using a new disposable or decontaminated reusable bailer. If a new disposable bailer was used for assessment of LNAPL, that bailer may be used for purging. The withdrawal rate used is one that minimizes drawdown while satisfying time constraints.

To evaluate when purging is complete, one or more groundwater stabilization parameters are monitored and recorded during purging activities until stabilization is achieved. Most commonly, stabilization parameters include temperature, conductivity, and pH, but field procedures detailed in the scope of work may also include monitoring of dissolved oxygen concentrations, oxidation reduction potential, and/or turbidity¹. Parameters are considered stable when two (2) consecutive readings recorded three (3) minutes apart fall within ranges provided below in Table 1. In the event that the parameters have not stabilized and five (5) well casing volumes have been removed, purging activities will cease and be considered complete. Once the well is purged, a groundwater sample(s) is collected from the well using a new disposable bailer. If a new disposable bailer was used for purging, that bailer may be used to collect the sample(s). A sample is not collected if the well is inadvertently purged dry.

Table 1. Criteria for Defining Stabilization of Water-Quality Indicator Parameters

| Parameter | Stabilization Criterion |
|-------------------------------|---|
| Temperature | ± 0.2°C (± 0.36°F) |
| pH | ± 0.1 standard units |
| Conductivity | ± 3% |
| Dissolved oxygen | ± 10% |
| Oxidation reduction potential | ± 10 mV |
| Turbidity ¹ | ± 10% or 1.0 NTU (whichever is greater) |

3.2 Low-Flow Purging and Sampling

“Low-Flow”, “Minimal Drawdown”, or “Low-Stress” purging is performed per ASTM D6771-02. It is a method of groundwater removal from within a well’s screened interval that is intended to minimize drawdown and mixing of the water column in the well casing. This is accomplished by pumping the well using a decontaminated pump with new disposable plastic discharge or suction tubing or dedicated well tubing at a low flow rate while evaluating the groundwater elevation during pumping.

¹ As stated in ASTM D6771-02, turbidity is not a chemical parameter and not indicative of when formation-quality water is being purged; however, turbidity may be helpful in evaluating stress on the formation during purging. Turbidity measurements are taken at the same time that stabilization parameter measurements are made, or, at a minimum, once when purging is initiated and again just prior to sample collection, after stabilization parameters have stabilized. To avoid artifacts in sample analysis, turbidity should be as low as possible when samples are collected. If turbidity values are persistently high, the withdrawal rate is lowered until turbidity decreases. If high turbidity persists even after lowering the withdrawal rate, the purging is stopped for a period of time until turbidity settles, and the purging process is then restarted. If this fails to solve the problem, the purging/sampling process for the well is ceased, and well maintenance or redevelopment is considered.

The low flow pumping rate is well specific and is generally established at a volume that is less than or equal to the natural recovery rate of the well. A pump with adjustable flow rate control is positioned with the intake at or near the mid-point of the submerged well screen. The pumping rate used during low-flow purging is low enough to minimize mobilization of particulate matter and drawdown (stress) of the water column. Low-flow purging rates will vary based on the individual well characteristics; however, the purge rate should not exceed 1.0 Liter per minute (L/min) or 0.25 gallon per minute (gal/min). Low-flow purging should begin at a rate of approximately 0.1 L/min (0.03 gal/min)², or the lowest rate possible, and be adjusted based on an evaluation of drawdown. Water level measurements should be recorded at approximate one (1) to two (2) minute intervals until the low-flow rate has been established, and drawdown is minimized. As a general rule, drawdown should not exceed 25% of the distance between the top of the water column and the pump in-take.

To evaluate when purging is complete, one or more groundwater stabilization parameters are monitored and recorded during purging activities until stabilization is achieved. Most commonly, stabilization parameters include temperature, conductivity, and pH, but field procedures detailed in the scope of work may also include monitoring of dissolved oxygen concentrations, oxidation reduction potential, and/or turbidity¹. The frequency between measurements will be at an interval of one (1) to three (3) minutes; however, if a flow cell is used, the frequency will be determined based on the time required to evacuate one cell volume. Stabilization is defined as three (3) consecutive readings recorded several minutes apart falling within ranges provided in Table 1. Samples will be collected by filling appropriate containers from the pump discharge tubing at a rate not to exceed the established pumping rate.

3.3 Minimal Purge, Discrete Depth, and Passive Sampling

Per ASTM D4448-01, sampling techniques that do not rely on purging, or require only minimal purging, may be used if a particular zone within a screened interval is to be sampled or if a well is not capable of yielding sufficient groundwater for purging. To properly use these sampling techniques, a water sample is collected within the screened interval with little or no mixing of the water column within the casing. These techniques include minimal purge sampling which uses a dedicated sampling pump capable of pumping rates of less than 0.1 L/min (0.03 gal/min)², discrete depth sampling using a bailer that allows groundwater entry at a controlled depth (e.g. differential pressure bailer), or passive (diffusion) sampling. These techniques are based on certain studies referenced in ASTM D4448-01 that indicate that under certain conditions, natural groundwater flow is laminar and horizontal with little or no mixing within the well screen.

² According to ASTM D4448-01, studies have indicated that at flow rates of 0.1 L/min, low-density polyethylene (LDPE) and plasticized polypropylene tubing materials are prone to sorption. Therefore, TFE-fluorocarbon or other appropriate tubing material is used, particularly when tubing lengths of 50 feet or longer are used.

4.0 Decontamination

Reusable groundwater sampling equipment were cleaned using a solution of Alconox or other acceptable detergent, rinsed with tap water, and finally rinsed with distilled water prior to use in each well. Decontamination water was stored on-site in labeled steel drum(s) or other appropriate container(s) prior to disposal.

5.0 Sample Containers, Labeling, and Storage

Samples were collected in laboratory prepared containers with appropriate preservative (if preservative was required). Samples were properly labeled (site name, sample I.D., sampler initials, date, and time of collection) and stored chilled (refrigerator or ice chest with ice) until delivery to a certified laboratory, under chain of custody procedures.

6.0 Chain of Custody Record and Procedure

The field sampler was personally responsible for care and custody of the samples collected until they were properly transferred to another party. To document custody and transfer of samples, a Chain of Custody Record was prepared. The Chain of Custody Record provided identification of the samples corresponding to sample labels and specified analyses to be performed by the laboratory. The original Chain of Custody Record accompanied the shipment, and a copy of the record was stored in the project file. When the samples were transferred, the individuals relinquishing and receiving them signed, dated, and noted the time of transfer on the record.

7.0 Field Records

Daily Report and data forms were completed by staff personnel to provide daily record of significant events, observations, and measurements. Field records were signed, dated, and stored in the project file.

APPENDIX B

FIELD DATA SHEETS AND NON-HAZARDOUS WASTE DATA FORM



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 11126 Project No.: 09-88-662 Date: 6/27/12
Field Representative: Alex Martinez
Well ID: MW-3 Start Time: End Time: Total Time (minutes):

PURGE EQUIPMENT
[X] Disp. Bailer 120V Pump Flow Cell
Disp. Tubing 12V Pump Peristaltic Pump Other/ID#:

WELL HEAD INTEGRITY (cap, lock, vault, etc.)
Good Improvement Needed (circle one)
Comments:

PURGING/SAMPLING METHOD
Predetermined Well Volume Low-Flow Other: (circle one)
PREDETERMINED WELL VOLUME
Casing Diameter | Unit Volume (gal/ft) (circle one)
1" | (0.04) 1.25" | (0.08) 2" | (0.17) 3" | (0.38) Other:
4" | (0.66) 6" | (1.50) 8" | (2.60) 12" | (5.81)
Total Well Depth (a): 12.00 (ft)
Initial Depth to Water (b): 5.19 (ft)
Water Column Height (WCH) = (a - b): 6.81 (ft)
Water Column Volume (WCV) = WCH x Unit Volume: 1.15 (gal)
Three Casing Volumes = WCV x 3: 3.47 (gal)
Five Casing Volumes = WCV x 5: (gal)
Pump Depth (if pump used): (ft)

GROUNDWATER STABILIZATION PARAMETER RECORD
Table with columns: Time (24:00), Cumulative Volume (gal), Temperature (°C), pH, Conductivity (µS), Other, NOTES.
Data rows: 1102, 1104, 1106, 1109

PURGE COMPLETION RECORD
Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
[X] Other: 3 gallon purge / stable parameters

SAMPLE COLLECTION RECORD
Depth to Water at Sampling: 5.33 (ft)
Sample Collected Via: [X] Disp. Bailer Dedicated Pump Tubing
Sample ID: MW-3 Sample Collection Time: 1113 (24:00)
Containers (#): 3 VOA [X] preserved or unpreserved 2 Liter Amber
GEOCHEMICAL PARAMETERS
Parameter Time Measurement
DO (mg/L) 1102 1.19
Ferrous Iron (mg/L)
Redox Potential (mV)
Alkalinity (mg/L)
Other:
Other:

Signature: Alex Martinez



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 11126 Project No.: 09-88-662 Date: 6/27/12
 Field Representative: Alex Martinez
 Well ID: MW-4 Start Time: _____ End Time: _____ Total Time (minutes): _____

| | | | | |
|--|--|---|------------------------------------|---|
| PURGE EQUIPMENT | | <input checked="" type="checkbox"/> Disp. Bailer | <input type="checkbox"/> 120V Pump | <input type="checkbox"/> Flow Cell |
| | | <input type="checkbox"/> Disp. Tubing | <input type="checkbox"/> 12V Pump | <input type="checkbox"/> Peristaltic Pump |
| WELL HEAD INTEGRITY (cap, lock, vault, etc.) | | Comments: _____ | | |
| Good | | Improvement Needed (circle one) | | |
| PURGING/SAMPLING METHOD | | <input checked="" type="checkbox"/> Predetermined Well Volume | <input type="checkbox"/> Low-Flow | Other: _____ (circle one) |
| PREDETERMINED WELL VOLUME | | LOW-FLOW | | |
| Casing Diameter Unit Volume (gal/ft) (circle one) | | Previous Low-Flow Purge Rate: _____ (gpm) | | |
| 1" (0.04) 1.25" (0.08) 2" (0.17) 3" (0.38) Other: _____ | | Total Well Depth (a): _____ (ft) | | |
| 4" (0.66) 6" (1.50) 8" (2.60) 12" (5.81) _____ () | | Initial Depth to Water (b): _____ (ft) | | |
| Total Well Depth (a): _____ (ft) | | Pump In-take Depth = b + (a-b)/2: _____ (ft) | | |
| Initial Depth to Water (b): _____ (ft) | | Maximum Allowable Drawdown = (a-b)/8: _____ (ft) | | |
| Water Column Height (WCH) = (a - b): _____ (ft) | | Low-Flow Purge Rate: _____ (gpm)* | | |
| Water Column Volume (WCV) = WCH x Unit Volume: _____ (gal) | | Comments: _____ | | |
| Three Casing Volumes = WCV x 3: _____ (gal) | | | | |
| Five Casing Volumes = WCV x 5: _____ (gal) | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | |
| *Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown. | | | | |

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (gal) | Temperature (°C) | pH | Conductivity (µS) | Other ORP | NOTES Odor, color, sheen, turbidity, or other |
|--------------|-------------------------|------------------|------|-------------------|-----------|--|
| 0822 | 0.0 | 17.8 | 6.76 | 2122 | 134 | Clear |
| 0824 | 1.0 | 18.1 | 6.72 | 2227 | 123 | Slightly Cloudy |
| | 2.0 | | | | | |
| | 3.0 | | | | | |
| | | | | | | Water Levels decreased greatly after purging 1 gallon. Per PM's request a grab sample will be taken. |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes

Other: Grab sample after 1 gallon purged

SAMPLE COLLECTION RECORD

GEOCHEMICAL PARAMETERS

| | | | |
|--|----------------------|-------------|-------------|
| Depth to Water at Sampling: <u>10.14</u> (ft) | Parameter | Time | Measurement |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer <input type="checkbox"/> Dedicated Pump Tubing | DO (mg/L) | <u>0822</u> | <u>1.21</u> |
| <input type="checkbox"/> Disp. Pump Tubing Other: _____ | Ferrous Iron (mg/L) | | |
| Sample ID: <u>MW-4</u> Sample Collection Time: <u>0832</u> (24:00) | Redox Potential (mV) | | |
| Containers (#): <u>3</u> VOA (<input checked="" type="checkbox"/> preserved or <input type="checkbox"/> unpreserved) <u>2</u> Liter Amber | Alkalinity (mg/L) | | |
| Other: _____ Other: _____ | Other: _____ | | |
| Other: _____ Other: _____ | Other: _____ | | |

Signature: Alex Martinez



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 11126 Project No.: 09-88-662 Date: 6/27/12
 Field Representative: Alex Martinez
 Well ID: MW-7 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer _____ 120V Pump _____ Flow Cell _____
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump _____ Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | LOW-FLOW | | |
|--|----------------------|-------------------|-------------|-------------|--|---------------------------------------|--------------|
| Casing Diameter | Unit Volume (gal/ft) | (circle one) | | | Previous Low-Flow Purge Rate: | (gpm) | |
| 1" (0.04) | 1.25" (0.08) | <u>2" (0.17)</u> | 3" (0.38) | | Total Well Depth (a): | _____ (ft) | |
| 4" (0.66) | 6" (1.50) | 8" (2.60) | 12" (5.81) | | Initial Depth to Water (b): | _____ (ft) | |
| Total Well Depth (a): | | | | | <u>14.00</u> | Pump In-take Depth = b + (a-b)/2: | _____ (ft) |
| Initial Depth to Water (b): | | | | | <u>5.19</u> | Maximum Allowable Drawdown = (a-b)/8: | _____ (ft) |
| Water Column Height (WCH) = (a - b): | | | | | <u>8.81</u> | Low-Flow Purge Rate: | _____ (gpm)* |
| Water Column Volume (WCV) = WCH x Unit Volume: | | | | <u>1.49</u> | Comments: | _____ | |
| Three Casing Volumes = WCV x 3: | | | | <u>4.49</u> | *Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown. | | |
| Five Casing Volumes = WCV x 5: | | | | _____ | | | |
| Pump Depth (if pump used): | | | | _____ (ft) | | | |

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (gal) | Temperature (°C) | pH | Conductivity (µS) | Other | NOTES |
|--------------|-------------------------|------------------|-------------|-------------------|------------|---|
| <u>1031</u> | <u>0.0</u> | <u>23.6</u> | <u>6.89</u> | <u>8307</u> | <u>ORP</u> | Odor, color, sheen, turbidity, or other |
| <u>1033</u> | <u>1.0</u> | <u>24.2</u> | <u>7.13</u> | <u>3254</u> | <u>78</u> | <u>Clear</u> |
| <u>1036</u> | <u>2.0</u> | <u>24.2</u> | <u>6.98</u> | <u>2773</u> | <u>72</u> | <u>"</u> |
| <u>1038</u> | <u>3.0</u> | <u>24.0</u> | <u>7.01</u> | <u>2278</u> | <u>67</u> | <u>Slightly Cloudy</u> |
| | | | | | | <u>"</u> |

Previous Stabilized Parameters _____

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other: _____

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|--|--|------------------------|-------------|
| Depth to Water at Sampling: _____ (ft) | Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer _____ Dedicated Pump Tubing _____ | Parameter | Time |
| _____ Disp. Pump Tubing _____ Other: _____ | Sample ID: <u>MW-7</u> Sample Collection Time: <u>1043</u> (24:00) | DO (mg/L) | <u>1031</u> |
| Containers (#): <u>3</u> VOA (<input checked="" type="checkbox"/> preserved or _____ unpreserved) _____ Liter Amber | _____ Other: _____ _____ Other: _____ | Ferrous Iron (mg/L) | <u>1.23</u> |
| _____ Other: _____ _____ Other: _____ | _____ Other: _____ _____ Other: _____ | Redox Potential (mV) | |
| | | Alkalinity (mg/L) | |
| | | Other: | |
| | | Other: | |

Signature: Alex Martinez



GROUNDWATER SAMPLING DATA SHEET

Project: Arcadis 11126 Project No.: 09-88-662 Date: 6/27/12
Field Representative: Alex Martinez
Well ID: Mw-9 Start Time: End Time: Total Time (minutes):

PURGE EQUIPMENT: [X] Disp. Bailer, 120V Pump, Flow Cell
Disp. Tubing, 12V Pump, Peristaltic Pump, Other/ID#:

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments:
Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD: [X] Predetermined Well Volume, Low-Flow, Other: (circle one)

PREDETERMINED WELL VOLUME section including casing diameter table, well depth calculations, and a well diagram with labels 'a' and 'b'.

GROUNDWATER STABILIZATION PARAMETER RECORD

Table with columns: Time (24:00), Cumulative Volume (gal), Temperature (C), pH, Conductivity (µS), Other (ORP), and NOTES (Odor, color, sheen, turbidity, or other). Contains handwritten data for five samples.

Previous Stabilized Parameters

PURGE COMPLETION RECORD: [] Low Flow & Parameters Stable, [] 3 Casing Volumes & Parameters Stable, [] 5 Casing Volumes
[X] Other: 3 gallon purge / static parameters

SAMPLE COLLECTION RECORD and GEOCHEMICAL PARAMETERS sections. Includes depth to water (6.44 ft), sample collection time (0938), and geochemical data (DO: 1.93 mg/L).

Signature: Alex Martinez Revision: 1/24/2012



GROUNDWATER SAMPLING DATA SHEET

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Project: Arcadis 11126 Project No.: 09-88-662 Date: 6/27/12

Field Representative: Alex Martinez

Well ID: MW-10 Start Time: - End Time: - Total Time (minutes): -

PURGE EQUIPMENT Disp. Bailer 120V Pump Flow Cell
 Disp. Tubing 12V Pump Peristaltic Pump Other/ID#:

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments:
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: (circle one)

| PREDETERMINED WELL VOLUME | | | | | LOW-FLOW | |
|--|---------------|-------------------|-------------|--------|-----------------------------------|--|
| Casing Diameter Unit Volume (gal/ft) (circle one) | | | | | | Previous Low-Flow Purge Rate: _____ (gpm) |
| 1" (0.04) | 1.25" (0.08) | <u>2" (0.17)</u> | 3" (0.38) | Other: | | Total Well Depth (a): _____ (ft) |
| 4" (0.66) | 6" (1.50) | 8" (2.60) | 12" (5.81) | " () | | Initial Depth to Water (b): _____ (ft) |
| Total Well Depth (a): <u>20.00</u> (ft) | | | | | | Pump In-take Depth = b + (a-b)/2: _____ (ft) |
| Initial Depth to Water (b): <u>7.70</u> (ft) | | | | | | Maximum Allowable Drawdown = (a-b)/8: _____ (ft) |
| Water Column Height (WCH) = (a - b): <u>12.3</u> (ft) | | | | | Low-Flow Purge Rate: _____ (gpm)* | |
| Water Column Volume (WCV) = WCH x Unit Volume: <u>2.09</u> (gal) | | | | | Comments: | |
| Three Casing Volumes = WCV x 3: <u>6.27</u> (gal) | | | | | | |
| Five Casing Volumes = WCV x 5: _____ (gal) | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | |

*Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown.

GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (gal) | Temperature (°C) | pH | Conductivity (µS) | Other | NOTES |
|--------------|-------------------------|------------------|-------------|-------------------|------------|--------------|
| <u>0727</u> | <u>0.0</u> | <u>18.3</u> | <u>6.61</u> | <u>2249</u> | <u>ORP</u> | |
| <u>0729</u> | <u>1.0</u> | <u>19.8</u> | <u>6.53</u> | <u>2251</u> | <u>103</u> | <u>Clear</u> |
| <u>0731</u> | <u>2.0</u> | <u>19.9</u> | <u>6.48</u> | <u>2199</u> | <u>64</u> | " |
| <u>0734</u> | <u>3.0</u> | <u>20.0</u> | <u>6.46</u> | <u>2155</u> | <u>59</u> | " |

Previous Stabilized Parameters

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes
 Other: 3 gallon purge / stable parameters

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | |
|---|---|------------------------|-------------|
| Depth to Water at Sampling: <u>7.89</u> (ft) | | Parameter | Time |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer <input type="checkbox"/> Dedicated Pump Tubing | | DO (mg/L) | <u>0727</u> |
| <input type="checkbox"/> Disp. Pump Tubing Other: | | Ferrous Iron (mg/L) | <u>1.14</u> |
| Sample ID: <u>MW-10</u> | Sample Collection Time: <u>0740</u> (24:00) | Redox Potential (mV) | |
| Containers (#): <u>3</u> VOA (<input checked="" type="checkbox"/> preserved or <input type="checkbox"/> unpreserved) <input type="checkbox"/> Liter Amber | | Alkalinity (mg/L) | |
| Other: _____ | Other: _____ | Other: | |
| Other: _____ | Other: _____ | Other: | |

Signature: Alex Martinez



GROUNDWATER SAMPLING DATA SHEET

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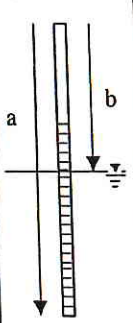
Project: Arcadis 1112b Project No.: 09-88-662 Date: 6/27/12
 Field Representative: Alex Martinez
 Well ID: MW-11 Start Time: _____ End Time: _____ Total Time (minutes): _____

PURGE EQUIPMENT Disp. Bailer _____ 120V Pump _____ Flow Cell _____
 _____ Disp. Tubing _____ 12V Pump _____ Peristaltic Pump _____ Other/ID#: _____

WELL HEAD INTEGRITY (cap, lock, vault, etc.) Comments: _____
 Good Improvement Needed (circle one)

PURGING/SAMPLING METHOD Predetermined Well Volume Low-Flow Other: _____ (circle one)

| PREDETERMINED WELL VOLUME | | | | | LOW-FLOW | | | | |
|--|----------------|---|--------------|----------------|--|--|--|--|--|
| Casing Diameter Unit Volume (gal/ft) (circle one) | | | | | Previous Low-Flow Purge Rate: _____ (gpm) | | | | |
| 1" (0.04) | 1.25" (0.08) | <input checked="" type="checkbox"/> 2" (0.17) | 3" (0.38) | Other: _____ | Total Well Depth (a): _____ (ft) | | | | |
| 4" (0.66) | 6" (1.50) | 8" (2.60) | 12" (5.81) | ____" (____) | Initial Depth to Water (b): _____ (ft) | | | | |
| Total Well Depth (a): <u>24.00</u> (ft) | | | | | Pump In-take Depth = b + (a-b)/2: _____ (ft) | | | | |
| Initial Depth to Water (b): <u>9.70</u> (ft) | | | | | Maximum Allowable Drawdown = (a-b)/8: _____ (ft) | | | | |
| Water Column Height (WCH) = (a - b): <u>14.3</u> (ft) | | | | | Low-Flow Purge Rate: _____ (gpm)* | | | | |
| Water Column Volume (WCV) = WCH x Unit Volume: <u>2.93</u> (gal) | | | | | Comments: _____ | | | | |
| Three Casing Volumes = WCV x 3: <u>7.29</u> (gal) | | | | | *Low-flow purge rate should be within range of instruments used but should not exceed 0.25 gpm. Drawdown should not exceed Maximum Allowable Drawdown. | | | | |
| Five Casing Volumes = WCV x 5: _____ (gal) | | | | | | | | | |
| Pump Depth (if pump used): _____ (ft) | | | | | | | | | |



GROUNDWATER STABILIZATION PARAMETER RECORD

| Time (24:00) | Cumulative Volume (gal) | Temperature (°C) | pH | Conductivity (µS) | Other | NOTES |
|--------------------------------|-------------------------|------------------|------|-------------------|--------|-----------------|
| 1202 | 0.0 | 19.7 | 7.99 | 363 | ORP 93 | Slightly Cloudy |
| 1205 | 1.0 | 20.3 | 7.82 | 360 | 101 | " |
| 1207 | 2.0 | 20.4 | 7.68 | 356 | 106 | " |
| 1210 | 3.0 | 20.1 | 7.58 | 367 | 112 | |
| Previous Stabilized Parameters | | | | | | |

PURGE COMPLETION RECORD Low Flow & Parameters Stable 3 Casing Volumes & Parameters Stable 5 Casing Volumes

Other: 3 gallon purge / stable parameters

| SAMPLE COLLECTION RECORD | | GEOCHEMICAL PARAMETERS | | |
|--|--|------------------------|-------------|-------------|
| Depth to Water at Sampling: <u>9.74</u> (ft) | | Parameter | Time | Measurement |
| Sample Collected Via: <input checked="" type="checkbox"/> Disp. Bailer _____ Dedicated Pump Tubing _____ | | DO (mg/L) | <u>1202</u> | <u>1.13</u> |
| _____ Disp. Pump Tubing _____ Other: _____ | | Ferrous Iron (mg/L) | | |
| Sample ID: <u>MW-11</u> Sample Collection Time: <u>1213</u> (24:00) | | Redox Potential (mV) | | |
| Containers (#): <u>3</u> VOA (<input checked="" type="checkbox"/> preserved or _____ unpreserved) _____ Liter Amber | | Alkalinity (mg/L) | | |
| _____ Other: _____ _____ Other: _____ | | Other: | | |
| _____ Other: _____ _____ Other: _____ | | Other: | | |

Signature: Alex Martinez

APPENDIX C

**LABORATORY REPORT
AND CHAIN-OF-CUSTODY DOCUMENTATION**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

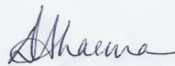
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-42987-1
Client Project/Site: BP #11126, Emeryville

For:
ARCADIS U.S., Inc.
100 Montgomery Street
Suite 300
San Francisco, California 94104

Attn: Hollis Phillips



Authorized for release by:
7/9/2012 3:58:06 PM

Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|--|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CNF | Contains no Free Liquid |
| DL, RA, RE, IN | Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| EDL | Estimated Detection Limit |
| EPA | United States Environmental Protection Agency |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RL | Reporting Limit |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Job ID: 720-42987-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-42987-1

Comments

No additional comments.

Receipt

The samples were received on 6/27/2012 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.4° C.

GC/MS VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

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Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-1

Lab Sample ID: 720-42987-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 18 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Benzene | 15 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Toluene | 0.74 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Xylenes, Total | 3.1 | | 1.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Gasoline Range Organics (GRO) -C6-C12 | 420 | | 50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 1400 | | 4.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 0.83 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: MW-2

Lab Sample ID: 720-42987-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| MTBE | 2600 | | 20 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| Benzene | 3900 | | 20 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| Ethylbenzene | 2300 | | 20 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| Toluene | 110 | | 20 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| Xylenes, Total | 2000 | | 40 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| Gasoline Range Organics (GRO) -C6-C12 | 23000 | | 2000 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 2900 | | 160 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 95 | | 20 | | ug/L | 40 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: MW-3

Lab Sample ID: 720-42987-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 1.6 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 250 | | 4.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Diesel Range Organics [C10-C28] | 270 | | 51 | | ug/L | 1 | | 8015B | Total/NA |

Client Sample ID: MW-8

Lab Sample ID: 720-42987-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 2.2 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Gasoline Range Organics (GRO) -C6-C12 | 300 | | 50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 270 | | 4.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Diesel Range Organics [C10-C28] | 1100 | | 50 | | ug/L | 1 | | 8015B | Total/NA |

Client Sample ID: MW-6

Lab Sample ID: 720-42987-5

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-6 (Continued)

Lab Sample ID: 720-42987-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 2.2 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 0.52 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 49 | | 4.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| Diesel Range Organics [C10-C28] | 1200 | | 50 | | ug/L | 1 | | 8015B | Total/NA |

Client Sample ID: MW-7

Lab Sample ID: 720-42987-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|------|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 2.7 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 1400 | | 4.0 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 0.56 | | 0.50 | | ug/L | 1 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: MW-9

Lab Sample ID: 720-42987-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|-----|-----|------|---------|---|---------------------|-----------|
| Methyl tert-butyl ether | 130 | | 2.5 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |
| Benzene | 78 | | 2.5 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |
| Ethylbenzene | 4.6 | | 2.5 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |
| Xylenes, Total | 7.9 | | 5.0 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |
| Gasoline Range Organics (GRO) -C6-C12 | 810 | | 250 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |
| TBA | 160 | | 20 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |
| TAME | 4.9 | | 2.5 | | ug/L | 5 | | 8260B/CA_LUFT MS | Total/NA |

Client Sample ID: MW-10

Lab Sample ID: 720-42987-8

No Detections

Client Sample ID: MW-11

Lab Sample ID: 720-42987-9

No Detections

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-1
Date Collected: 06/27/12 07:08
Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-1
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Methyl tert-butyl ether | 18 | | 0.50 | | ug/L | | | 07/02/12 12:11 | 1 |
| Benzene | 15 | | 0.50 | | ug/L | | | 07/02/12 12:11 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 07/02/12 12:11 | 1 |
| Toluene | 0.74 | | 0.50 | | ug/L | | | 07/02/12 12:11 | 1 |
| Xylenes, Total | 3.1 | | 1.0 | | ug/L | | | 07/02/12 12:11 | 1 |
| Gasoline Range Organics (GRO) | 420 | | 50 | | ug/L | | | 07/02/12 12:11 | 1 |
| -C6-C12 | | | | | | | | | |
| TBA | 1400 | | 4.0 | | ug/L | | | 07/02/12 12:11 | 1 |
| TAME | 0.83 | | 0.50 | | ug/L | | | 07/02/12 12:11 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 102 | | 67 - 130 | | | | | 07/02/12 12:11 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 75 - 138 | | | | | 07/02/12 12:11 | 1 |
| Toluene-d8 (Surr) | 99 | | 70 - 130 | | | | | 07/02/12 12:11 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-2
Date Collected: 06/27/12 09:07
Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-2
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| MTBE | 2600 | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| Benzene | 3900 | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| EDB | ND | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| 1,2-DCA | ND | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| Ethylbenzene | 2300 | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| Toluene | 110 | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| Xylenes, Total | 2000 | | 40 | | ug/L | | | 07/02/12 13:39 | 40 |
| Gasoline Range Organics (GRO) | 23000 | | 2000 | | ug/L | | | 07/02/12 13:39 | 40 |
| -C6-C12 | | | | | | | | | |
| TBA | 2900 | | 160 | | ug/L | | | 07/02/12 13:39 | 40 |
| DIPE | ND | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| TAME | 95 | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| Ethyl t-butyl ether | ND | | 20 | | ug/L | | | 07/02/12 13:39 | 40 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | | | | 07/02/12 13:39 | 40 |
| 1,2-Dichloroethane-d4 (Surr) | 92 | | 75 - 138 | | | | | 07/02/12 13:39 | 40 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 | | | | | 07/02/12 13:39 | 40 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-3

Lab Sample ID: 720-42987-3

Date Collected: 06/27/12 11:13

Matrix: Water

Date Received: 06/27/12 17:20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------------------------|------------|-----------|------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | 1.6 | | 0.50 | | ug/L | | | 07/02/12 14:08 | 1 |
| Gasoline Range Organics (GRO) | ND | | 50 | | ug/L | | | 07/02/12 14:08 | 1 |
| -C6-C12 | | | | | | | | | |
| TAME | ND | | 0.50 | | ug/L | | | 07/02/12 14:08 | 1 |
| TBA | 250 | | 4.0 | | ug/L | | | 07/02/12 14:08 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 97 | | 67 - 130 | | 07/02/12 14:08 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 75 - 138 | | 07/02/12 14:08 | 1 |
| Toluene-d8 (Surr) | 96 | | 70 - 130 | | 07/02/12 14:08 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------|-----------|----|-----|------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 270 | | 51 | | ug/L | | 07/02/12 10:21 | 07/06/12 19:35 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| p-Terphenyl | 67 | | 23 - 156 | 07/02/12 10:21 | 07/06/12 19:35 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-8
Date Collected: 06/27/12 08:43
Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-4
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Methyl tert-butyl ether | 2.2 | | 0.50 | | ug/L | | | 07/02/12 14:38 | 1 |
| Gasoline Range Organics (GRO) -C6-C12 | 300 | | 50 | | ug/L | | | 07/02/12 14:38 | 1 |
| TAME | ND | | 0.50 | | ug/L | | | 07/02/12 14:38 | 1 |
| TBA | 270 | | 4.0 | | ug/L | | | 07/02/12 14:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | | | | 07/02/12 14:38 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 138 | | | | | 07/02/12 14:38 | 1 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | | | | 07/02/12 14:38 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Diesel Range Organics [C10-C28] | 1100 | | 50 | | ug/L | | 07/02/12 10:21 | 07/06/12 19:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| p-Terphenyl | 65 | | 23 - 156 | | | | 07/02/12 10:21 | 07/06/12 19:59 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-6
Date Collected: 06/27/12 10:10
Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-5
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | 2.2 | | 0.50 | | ug/L | | | 07/02/12 15:07 | 1 |
| Gasoline Range Organics (GRO) -C6-C12 | ND | | 50 | | ug/L | | | 07/02/12 15:07 | 1 |
| TAME | 0.52 | | 0.50 | | ug/L | | | 07/02/12 15:07 | 1 |
| TBA | 49 | | 4.0 | | ug/L | | | 07/02/12 15:07 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | 07/02/12 15:07 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 75 - 138 | | 07/02/12 15:07 | 1 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | 07/02/12 15:07 | 1 |

Method: 8015B - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|----|-----|------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 1200 | | 50 | | ug/L | | 07/02/12 10:21 | 07/06/12 20:24 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| p-Terphenyl | 54 | | 23 - 156 | 07/02/12 10:21 | 07/06/12 20:24 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-7
Date Collected: 06/27/12 10:43
Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-6
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Methyl tert-butyl ether | 2.7 | | 0.50 | | ug/L | | | 07/02/12 15:36 | 1 |
| Benzene | ND | | 0.50 | | ug/L | | | 07/02/12 15:36 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 07/02/12 15:36 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 07/02/12 15:36 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 07/02/12 15:36 | 1 |
| Gasoline Range Organics (GRO) -C6-C12 | ND | | 50 | | ug/L | | | 07/02/12 15:36 | 1 |
| TBA | 1400 | | 4.0 | | ug/L | | | 07/02/12 15:36 | 1 |
| TAME | 0.56 | | 0.50 | | ug/L | | | 07/02/12 15:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | | | | 07/02/12 15:36 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 75 - 138 | | | | | 07/02/12 15:36 | 1 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 | | | | | 07/02/12 15:36 | 1 |



Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-9
Date Collected: 06/27/12 09:38
Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-7
Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Methyl tert-butyl ether | 130 | | 2.5 | | ug/L | | | 07/02/12 16:06 | 5 |
| Benzene | 78 | | 2.5 | | ug/L | | | 07/02/12 16:06 | 5 |
| Ethylbenzene | 4.6 | | 2.5 | | ug/L | | | 07/02/12 16:06 | 5 |
| Toluene | ND | | 2.5 | | ug/L | | | 07/02/12 16:06 | 5 |
| Xylenes, Total | 7.9 | | 5.0 | | ug/L | | | 07/02/12 16:06 | 5 |
| Gasoline Range Organics (GRO) -C6-C12 | 810 | | 250 | | ug/L | | | 07/02/12 16:06 | 5 |
| TBA | 160 | | 20 | | ug/L | | | 07/02/12 16:06 | 5 |
| TAME | 4.9 | | 2.5 | | ug/L | | | 07/02/12 16:06 | 5 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 101 | | 67 - 130 | | | | | 07/02/12 16:06 | 5 |
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 75 - 138 | | | | | 07/02/12 16:06 | 5 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 | | | | | 07/02/12 16:06 | 5 |



Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-10

Lab Sample ID: 720-42987-8

Date Collected: 06/27/12 07:40

Matrix: Water

Date Received: 06/27/12 17:20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 06/29/12 11:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 100 | | 67 - 130 | | | | | 06/29/12 11:25 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 75 - 138 | | | | | 06/29/12 11:25 | 1 |
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | | | | 06/29/12 11:25 | 1 |

Client Sample Results

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-11

Lab Sample ID: 720-42987-9

Date Collected: 06/27/12 12:13

Matrix: Water

Date Received: 06/27/12 17:20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 06/29/12 11:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 99 | | 67 - 130 | | | | | 06/29/12 11:55 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 75 - 138 | | | | | 06/29/12 11:55 | 1 |
| Toluene-d8 (Surr) | 104 | | 70 - 130 | | | | | 06/29/12 11:55 | 1 |

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-116329/6

Matrix: Water

Analysis Batch: 116329

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|--------------|----------|-----|------|---|----------|----------------|---------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 06/29/12 09:39 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 100 | | 67 - 130 | | | | | 06/29/12 09:39 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 75 - 138 | | | | | 06/29/12 09:39 | 1 |
| Toluene-d8 (Surr) | 103 | | 70 - 130 | | | | | 06/29/12 09:39 | 1 |

Lab Sample ID: LCS 720-116329/7

Matrix: Water

Analysis Batch: 116329

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|-------------|---------------|---------------|------|---|------|--------------|
| Methyl tert-butyl ether | 25.0 | 27.1 | | ug/L | | 108 | 62 - 130 |
| Surrogate | %Recovery | LCS Qualifier | Limits | | | | |
| 4-Bromofluorobenzene | 109 | | 67 - 130 | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 75 - 138 | | | | |
| Toluene-d8 (Surr) | 102 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 720-116329/8

Matrix: Water

Analysis Batch: 116329

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|-------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| Methyl tert-butyl ether | 25.0 | 28.3 | | ug/L | | 113 | 62 - 130 | 4 | 20 |
| Surrogate | %Recovery | LCSD Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene | 106 | | 67 - 130 | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 75 - 138 | | | | | | |
| Toluene-d8 (Surr) | 104 | | 70 - 130 | | | | | | |

Lab Sample ID: 720-42987-9 MS

Matrix: Water

Analysis Batch: 116329

Client Sample ID: MW-11

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Methyl tert-butyl ether | ND | | 25.0 | 29.0 | | ug/L | | 116 | 60 - 138 |
| Surrogate | %Recovery | MS Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene | 106 | | 67 - 130 | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 104 | | 75 - 138 | | | | | | |
| Toluene-d8 (Surr) | 106 | | 70 - 130 | | | | | | |

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-42987-9 MSD

Matrix: Water

Analysis Batch: 116329

Client Sample ID: MW-11

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|------------------|----------------------|---------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Methyl tert-butyl ether | ND | | 25.0 | 30.1 | | ug/L | | 120 | 60 - 138 | 4 | 20 |
| Surrogate | %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene | 95 | | 67 - 130 | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 75 - 138 | | | | | | | | |
| Toluene-d8 (Surr) | 104 | | 70 - 130 | | | | | | | | |

Lab Sample ID: MB 720-116415/5

Matrix: Water

Analysis Batch: 116415

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|---------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Methyl tert-butyl ether | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| MTBE | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| Benzene | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| EDB | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| 1,2-DCA | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 07/02/12 09:12 | 1 |
| Gasoline Range Organics (GRO) | ND | | 50 | | ug/L | | | 07/02/12 09:12 | 1 |
| -C6-C12 | | | | | | | | | |
| DIPE | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| Ethyl t-butyl ether | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| TAME | ND | | 0.50 | | ug/L | | | 07/02/12 09:12 | 1 |
| TBA | ND | | 4.0 | | ug/L | | | 07/02/12 09:12 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene | 97 | | 67 - 130 | | | | | 07/02/12 09:12 | 1 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 75 - 138 | | | | | 07/02/12 09:12 | 1 |
| Toluene-d8 (Surr) | 94 | | 70 - 130 | | | | | 07/02/12 09:12 | 1 |

Lab Sample ID: LCS 720-116415/6

Matrix: Water

Analysis Batch: 116415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl tert-butyl ether | 25.0 | 28.5 | | ug/L | | 114 | 62 - 130 |
| MTBE | 25.0 | 28.5 | | ug/L | | 114 | 62 - 130 |
| Benzene | 25.0 | 23.7 | | ug/L | | 95 | 79 - 130 |
| EDB | 25.0 | 26.6 | | ug/L | | 106 | 70 - 130 |
| 1,2-DCA | 25.0 | 25.0 | | ug/L | | 100 | 61 - 132 |
| Ethylbenzene | 25.0 | 24.2 | | ug/L | | 97 | 80 - 120 |
| Toluene | 25.0 | 23.3 | | ug/L | | 93 | 78 - 120 |
| m-Xylene & p-Xylene | 50.0 | 48.9 | | ug/L | | 98 | 70 - 142 |
| o-Xylene | 25.0 | 25.1 | | ug/L | | 100 | 70 - 130 |
| DIPE | 25.0 | 26.0 | | ug/L | | 104 | 69 - 134 |
| Ethyl t-butyl ether | 25.0 | 27.5 | | ug/L | | 110 | 70 - 130 |
| TAME | 25.0 | 29.7 | | ug/L | | 119 | 79 - 130 |

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-116415/6

Matrix: Water

Analysis Batch: 116415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| TBA | 500 | 519 | | ug/L | | 104 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 101 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 75 - 138 |
| Toluene-d8 (Surr) | 100 | | 70 - 130 |

Lab Sample ID: LCS 720-116415/8

Matrix: Water

Analysis Batch: 116415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--|-------------|------------|---------------|------|---|------|--------------|
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 501 | | ug/L | | 100 | 58 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 101 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 103 | | 75 - 138 |
| Toluene-d8 (Surr) | 98 | | 70 - 130 |

Lab Sample ID: LCSD 720-116415/7

Matrix: Water

Analysis Batch: 116415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| Methyl tert-butyl ether | 25.0 | 28.6 | | ug/L | | 114 | 62 - 130 | 0 | 20 |
| MTBE | 25.0 | 28.6 | | ug/L | | 114 | 62 - 130 | 0 | 20 |
| Benzene | 25.0 | 23.8 | | ug/L | | 95 | 79 - 130 | 0 | 20 |
| EDB | 25.0 | 26.6 | | ug/L | | 106 | 70 - 130 | 0 | 20 |
| 1,2-DCA | 25.0 | 24.7 | | ug/L | | 99 | 61 - 132 | 1 | 20 |
| Ethylbenzene | 25.0 | 24.1 | | ug/L | | 96 | 80 - 120 | 0 | 20 |
| Toluene | 25.0 | 23.3 | | ug/L | | 93 | 78 - 120 | 0 | 20 |
| m-Xylene & p-Xylene | 50.0 | 48.3 | | ug/L | | 97 | 70 - 142 | 1 | 20 |
| o-Xylene | 25.0 | 25.0 | | ug/L | | 100 | 70 - 130 | 0 | 20 |
| DIPE | 25.0 | 26.2 | | ug/L | | 105 | 69 - 134 | 1 | 20 |
| Ethyl t-butyl ether | 25.0 | 27.9 | | ug/L | | 112 | 70 - 130 | 1 | 20 |
| TAME | 25.0 | 30.0 | | ug/L | | 120 | 79 - 130 | 1 | 20 |
| TBA | 500 | 502 | | ug/L | | 100 | 70 - 130 | 3 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene | 99 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 75 - 138 |
| Toluene-d8 (Surr) | 99 | | 70 - 130 |

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-116415/9

Matrix: Water

Analysis Batch: 116415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO) -C6-C12 | 500 | 491 | | ug/L | | 98 | 58 - 120 | 2 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|------------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene | 99 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 99 | | 75 - 138 |
| Toluene-d8 (Surr) | 97 | | 70 - 130 |

Lab Sample ID: 720-42987-1 MS

Matrix: Water

Analysis Batch: 116415

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Methyl tert-butyl ether | 18 | | 25.0 | 44.7 | | ug/L | | 107 | 60 - 138 |
| MTBE | 18 | | 25.0 | 44.7 | | ug/L | | 107 | 60 - 138 |
| Benzene | 15 | | 25.0 | 37.6 | | ug/L | | 92 | 60 - 140 |
| EDB | ND | | 25.0 | 25.9 | | ug/L | | 104 | 60 - 140 |
| 1,2-DCA | ND | | 25.0 | 24.1 | | ug/L | | 96 | 60 - 140 |
| Ethylbenzene | ND | | 25.0 | 25.0 | | ug/L | | 99 | 60 - 140 |
| Toluene | 0.74 | | 25.0 | 24.9 | | ug/L | | 97 | 60 - 140 |
| m-Xylene & p-Xylene | 2.6 | | 50.0 | 52.1 | | ug/L | | 99 | 60 - 140 |
| o-Xylene | 0.51 | | 25.0 | 26.1 | | ug/L | | 102 | 60 - 140 |
| DIPE | ND | | 25.0 | 26.8 | | ug/L | | 107 | 60 - 140 |
| Ethyl t-butyl ether | ND | | 25.0 | 28.6 | | ug/L | | 114 | 60 - 140 |
| TAME | 0.83 | | 25.0 | 31.2 | | ug/L | | 121 | 60 - 140 |
| TBA | 1400 | | 500 | 1960 | | ug/L | | 114 | 60 - 140 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene | 100 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 95 | | 75 - 138 |
| Toluene-d8 (Surr) | 99 | | 70 - 130 |

Lab Sample ID: 720-42987-1 MSD

Matrix: Water

Analysis Batch: 116415

Client Sample ID: MW-1

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Methyl tert-butyl ether | 18 | | 25.0 | 44.2 | | ug/L | | 105 | 60 - 138 | 1 | 20 |
| MTBE | 18 | | 25.0 | 44.2 | | ug/L | | 105 | 60 - 138 | 1 | 20 |
| Benzene | 15 | | 25.0 | 37.2 | | ug/L | | 90 | 60 - 140 | 1 | 20 |
| EDB | ND | | 25.0 | 24.7 | | ug/L | | 99 | 60 - 140 | 5 | 20 |
| 1,2-DCA | ND | | 25.0 | 23.0 | | ug/L | | 92 | 60 - 140 | 5 | 20 |
| Ethylbenzene | ND | | 25.0 | 24.3 | | ug/L | | 96 | 60 - 140 | 3 | 20 |
| Toluene | 0.74 | | 25.0 | 24.5 | | ug/L | | 95 | 60 - 140 | 2 | 20 |
| m-Xylene & p-Xylene | 2.6 | | 50.0 | 50.7 | | ug/L | | 96 | 60 - 140 | 3 | 20 |
| o-Xylene | 0.51 | | 25.0 | 25.3 | | ug/L | | 99 | 60 - 140 | 3 | 20 |
| DIPE | ND | | 25.0 | 26.4 | | ug/L | | 106 | 60 - 140 | 2 | 20 |
| Ethyl t-butyl ether | ND | | 25.0 | 27.9 | | ug/L | | 112 | 60 - 140 | 2 | 20 |
| TAME | 0.83 | | 25.0 | 30.5 | | ug/L | | 119 | 60 - 140 | 2 | 20 |

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-42987-1 MSD
Matrix: Water
Analysis Batch: 116415

Client Sample ID: MW-1
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|------------------------------|------------------|------------------|---------------|------------|---------------|------|---|------|--------------|-----|-------|
| TBA | 1400 | | 500 | 1930 | | ug/L | | 107 | 60 - 140 | 2 | 20 |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene | 97 | | 67 - 130 | | | | | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 91 | | 75 - 138 | | | | | | | | |
| Toluene-d8 (Surr) | 99 | | 70 - 130 | | | | | | | | |

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-116427/1-A
Matrix: Water
Analysis Batch: 116685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 116427

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|------------------|------------------|---------------|-----|------|---|-----------------|-----------------|----------------|
| Diesel Range Organics [C10-C28] | ND | | 50 | | ug/L | | 07/02/12 10:21 | 07/06/12 11:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| p-Terphenyl | 85 | | 23 - 156 | | | | 07/02/12 10:21 | 07/06/12 11:55 | 1 |

Lab Sample ID: LCS 720-116427/2-A
Matrix: Water
Analysis Batch: 116685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 116427

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------|------------------|------------------|---------------|------|---|------|--------------|
| Diesel Range Organics [C10-C28] | 2500 | 1350 | | ug/L | | 54 | 40 - 150 |
| Surrogate | %Recovery | Qualifier | Limits | | | | |
| p-Terphenyl | 65 | | 23 - 156 | | | | |

Lab Sample ID: LCSD 720-116427/3-A
Matrix: Water
Analysis Batch: 116685

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 116427

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------------------|------------------|------------------|----------------|------|---|------|--------------|-----|-------|
| Diesel Range Organics [C10-C28] | 2500 | 1380 | | ug/L | | 55 | 40 - 150 | 2 | 35 |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| p-Terphenyl | 79 | | 23 - 156 | | | | | | |

QC Association Summary

Client: ARCADIS U.S., Inc.
 Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

GC/MS VOA

Analysis Batch: 116329

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| 720-42987-8 | MW-10 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-9 | MW-11 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-9 MS | MW-11 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-9 MSD | MW-11 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-116329/7 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-116329/8 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-116329/6 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

Analysis Batch: 116415

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|---------------------|------------|
| 720-42987-1 | MW-1 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-1 MS | MW-1 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-1 MSD | MW-1 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-2 | MW-2 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-3 | MW-3 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-4 | MW-8 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-5 | MW-6 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-6 | MW-7 | Total/NA | Water | 8260B/CA_LUFT MS | |
| 720-42987-7 | MW-9 | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-116415/6 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCS 720-116415/8 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-116415/7 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| LCSD 720-116415/9 | Lab Control Sample Dup | Total/NA | Water | 8260B/CA_LUFT MS | |
| MB 720-116415/5 | Method Blank | Total/NA | Water | 8260B/CA_LUFT MS | |

GC Semi VOA

Prep Batch: 116427

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-42987-3 | MW-3 | Total/NA | Water | 3510C | |
| 720-42987-4 | MW-8 | Total/NA | Water | 3510C | |
| 720-42987-5 | MW-6 | Total/NA | Water | 3510C | |
| LCS 720-116427/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 720-116427/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |
| MB 720-116427/1-A | Method Blank | Total/NA | Water | 3510C | |

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

GC Semi VOA (Continued)

Analysis Batch: 116685

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 720-42987-3 | MW-3 | Total/NA | Water | 8015B | 116427 |
| 720-42987-4 | MW-8 | Total/NA | Water | 8015B | 116427 |
| 720-42987-5 | MW-6 | Total/NA | Water | 8015B | 116427 |
| LCS 720-116427/2-A | Lab Control Sample | Total/NA | Water | 8015B | 116427 |
| LCSD 720-116427/3-A | Lab Control Sample Dup | Total/NA | Water | 8015B | 116427 |
| MB 720-116427/1-A | Method Blank | Total/NA | Water | 8015B | 116427 |



Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-1

Date Collected: 06/27/12 07:08

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116415 | 07/02/12 12:11 | AC | TAL SF |

Client Sample ID: MW-2

Date Collected: 06/27/12 09:07

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 40 | 116415 | 07/02/12 13:39 | AC | TAL SF |

Client Sample ID: MW-3

Date Collected: 06/27/12 11:13

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116415 | 07/02/12 14:08 | AC | TAL SF |
| Total/NA | Prep | 3510C | | | 116427 | 07/02/12 10:21 | JRM | TAL SF |
| Total/NA | Analysis | 8015B | | 1 | 116685 | 07/06/12 19:35 | JZ | TAL SF |

Client Sample ID: MW-8

Date Collected: 06/27/12 08:43

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116415 | 07/02/12 14:38 | AC | TAL SF |
| Total/NA | Prep | 3510C | | | 116427 | 07/02/12 10:21 | JRM | TAL SF |
| Total/NA | Analysis | 8015B | | 1 | 116685 | 07/06/12 19:59 | JZ | TAL SF |

Client Sample ID: MW-6

Date Collected: 06/27/12 10:10

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116415 | 07/02/12 15:07 | AC | TAL SF |
| Total/NA | Prep | 3510C | | | 116427 | 07/02/12 10:21 | JRM | TAL SF |
| Total/NA | Analysis | 8015B | | 1 | 116685 | 07/06/12 20:24 | JZ | TAL SF |

Client Sample ID: MW-7

Date Collected: 06/27/12 10:43

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116415 | 07/02/12 15:36 | AC | TAL SF |

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

Client Sample ID: MW-9

Date Collected: 06/27/12 09:38

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-7

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 5 | 116415 | 07/02/12 16:06 | AC | TAL SF |

Client Sample ID: MW-10

Date Collected: 06/27/12 07:40

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-8

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116329 | 06/29/12 11:25 | AC | TAL SF |

Client Sample ID: MW-11

Date Collected: 06/27/12 12:13

Date Received: 06/27/12 17:20

Lab Sample ID: 720-42987-9

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|-----------------|-----|-----------------|--------------|----------------------|---------|--------|
| Total/NA | Analysis | 8260B/CA_LUFTMS | | 1 | 116329 | 06/29/12 11:55 | AC | TAL SF |

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

| Laboratory | Authority | Program | EPA Region | Certification ID |
|------------------------|------------|---------------|------------|------------------|
| TestAmerica Pleasanton | California | State Program | 9 | 2496 |

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

| Method | Method Description | Protocol | Laboratory |
|---------------------|----------------------------------|----------|------------|
| 8260B/CA_LUFTM S | 8260B / CA LUFT MS | SW846 | TAL SF |
| 8015B | Diesel Range Organics (DRO) (GC) | SW846 | TAL SF |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: BP #11126, Emeryville

TestAmerica Job ID: 720-42987-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 720-42987-1 | MW-1 | Water | 06/27/12 07:08 | 06/27/12 17:20 |
| 720-42987-2 | MW-2 | Water | 06/27/12 09:07 | 06/27/12 17:20 |
| 720-42987-3 | MW-3 | Water | 06/27/12 11:13 | 06/27/12 17:20 |
| 720-42987-4 | MW-8 | Water | 06/27/12 08:43 | 06/27/12 17:20 |
| 720-42987-5 | MW-6 | Water | 06/27/12 10:10 | 06/27/12 17:20 |
| 720-42987-6 | MW-7 | Water | 06/27/12 10:43 | 06/27/12 17:20 |
| 720-42987-7 | MW-9 | Water | 06/27/12 09:38 | 06/27/12 17:20 |
| 720-42987-8 | MW-10 | Water | 06/27/12 07:40 | 06/27/12 17:20 |
| 720-42987-9 | MW-11 | Water | 06/27/12 12:13 | 06/27/12 17:20 |

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Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 720-42987-1

Login Number: 42987

List Number: 1

Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity either was not measured or, if measured, is at or below background | N/A | |
| The cooler's custody seal, if present, is intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | True | |



APPENDIX D

GEOTRACKER UPLOAD CONFIRMATION RECEIPTS

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

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

| | |
|------------------------------------|---|
| <u>Submittal Type:</u> | GEO_WELL |
| <u>Submittal Title:</u> | 2Q12 GEO_WELL 11126 |
| <u>Facility Global ID:</u> | T0600100208 |
| <u>Facility Name:</u> | BP #11126 |
| <u>File Name:</u> | GEO_WELL.zip |
| <u>Organization Name:</u> | Broadbent & Associates, Inc. |
| <u>Username:</u> | BROADBENT-C |
| <u>IP Address:</u> | 67.118.40.90 |
| <u>Submittal Date/Time:</u> | 8/1/2012 1:17:29 PM |
| <u>Confirmation Number:</u> | 9707822680 |

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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

| | |
|------------------------------------|--|
| <u>Submittal Type:</u> | EDF - Monitoring Report - Quarterly |
| <u>Submittal Title:</u> | 2Q12 GW Monitoring |
| <u>Facility Global ID:</u> | T0601300036 |
| <u>Facility Name:</u> | BP #11149 (FORMER) |
| <u>File Name:</u> | 720-43281-1.zip |
| <u>Organization Name:</u> | Broadbent & Associates, Inc. |
| <u>Username:</u> | BROADBENT-C |
| <u>IP Address:</u> | 67.118.40.90 |
| <u>Submittal Date/Time:</u> | 8/1/2012 1:13:27 PM |
| <u>Confirmation Number:</u> | 9575897157 |

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