RO 66

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Date: 12/20/05

Re: former BP Station # 11126, 1700 Powell Street, Emeryville CA

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

Submitted by:

Kyle A. Christie
Environmental Project Manager

SECOR

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December 20, 2005

Mr. Don Hwang
Alameda County Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: **Quarterly Groundwater Monitoring Report – Third Quarter 2005**
76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California
SECOR Project Nos.: 77CP.60126.01.0003/77BP.50126.00.0436

Dear Mr. Hwang:

On behalf of British Petroleum (BP) and ConocoPhillips, SECOR International Incorporated (SECOR) provides this quarterly groundwater monitoring report summarizing the results of the third quarter 2005 groundwater monitoring event at the site referenced above (Figure 1). A brief site background, a summary of historical investigations and remedial action, and a quarterly monitoring and sampling status report are presented below.

SITE BACKGROUND

The site is located on the northwest corner of Powell Street and Christie Avenue in Emeryville, California (Figure 1), and is currently utilized as a retail gasoline service station. Three single-walled, fiberglass, gasoline underground storage tanks (USTs), associated product lines, two dispenser islands, a station building, and a convenience store are present at the site. The three unleaded gasoline USTs, consisting of one 12,000-gallon UST, one 10,000-gallon UST, and one 6,000-gallon UST, were installed in 1982 (State Water Resources Control Board [SWRCB], 1992).

The properties in the vicinity of the site are a mixture of industrial and commercial developments. South of the site and across Powell Street is Powell Street Plaza, a retail commercial development with a number of groundwater monitoring wells on-site and around its perimeter. Immediately east of Powell Street Plaza and approximately 1,000 feet southeast of the site are monitoring wells installed in the immediate vicinity of Harcros Pigments, located at 4650 Shell Mound Street. The area surrounding the site was historically used for industrial purposes before being developed into a shopping center.

PREVIOUS INVESTIGATIONS AND REMEDIAL ACTION

A soil gas survey was conducted on April 10, 1989, by Target Environmental Services, Inc. (TES) on behalf of Mobil Oil Corporation prior to the transfer of ownership of the property to BP. Soil gas samples were collected from 19 sampling points at an approximate depth of four feet below ground surface (bgs) across the site. Results indicated that gasoline may

have entered the site subsurface at the pump islands, UST complex, or along the product supply lines. Total volatile hydrocarbons were detected in soil vapor using a flame-ionization detector (FID) at concentrations up to 932,000 micrograms per Liter (µg/L), with the highest detections detected in the vicinity of the pump islands and east of the USTs (TES, *Soil Gas Survey*, April 1989).

On April 24, 1989, one 550-gallon, waste oil UST was removed from the site, and was replaced with a suspected 1,000-gallon waste oil UST in a separate excavation. A soil sample collected from beneath the UST (seven feet bgs) and sidewalls (nine feet bgs, approximately six inches above groundwater) of the initial waste oil UST excavation contained total oil and grease (TOG), total petroleum hydrocarbons as diesel (TPHd), and total petroleum hydrocarbons as gasoline (TPHg) up to concentrations of 340 parts per million (ppm), 27 ppm, and 9.6 ppm, respectively. A capillary fringe soil sample (six inches above groundwater) collected on April 27, 1989 from the sidewall of the new waste oil UST excavation, located approximately 20 feet south of the former waste oil UST location, contained TOG and TPHd at respective concentrations of 10,000 ppm and 370 ppm. An *Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report* dated May 2, 1989 documenting the past occurrence of a release of unknown quantity was subsequently submitted to Alameda County Environmental Health Department (ACEHD), Hazardous Materials Division (EMCON, *Baseline Assessment Report*, December 27, 1994).

In October 1992, Alisto Engineering (Alisto) performed a preliminary site assessment to investigate the extent of petroleum hydrocarbon impacts beneath the site. Eight soil borings (B-1 through B-3, B-4A, B-4B, B-4, B-5A, and B-5) were advanced to depths ranging from four feet to 20 feet bgs. Auger refusal was encountered during the drilling of borings B-1, B-4A, B-4B, and B-5A, and borings B-2 through B-5 were converted to monitoring wells MW-1 through MW-4, respectively. Soil samples collected to a depth of 5.5 feet bgs from the borings advanced in the immediate vicinity of the USTs and dispenser islands contained TPHg and benzene at maximum concentrations of 280 ppm and 0.94 ppm, respectively. Groundwater samples collected from the wells in November 1992 contained elevated concentrations of TPHg (12,000 parts per billion [ppb]) and benzene (3,900 ppb). Groundwater from well MW-3 contained TPHd at 690 ppb. The direction of groundwater flow was established toward the southwest (Alisto, *Supplemental Site Investigation Report*, April 8, 1994).

In September 1993, Alisto installed five additional groundwater monitoring wells (MW-5 through MW-9). Soil samples collected from approximately 4.5 feet bgs from borings MW-5 and MW-9 contained TPHg and benzene, toluene, ethylbenzene, and xylenes (BTEX) up to respective concentrations of 4,600 ppm, 76 ppm, 330 ppm, 130 ppm, and 420 ppm. The highest concentrations of petroleum hydrocarbons were found in groundwater from well MW-2; maximum concentrations of TPHg and benzene were detected at 4,500 µg/L and 3,400 µg/L, respectively. Well MW-9, which is located in the area of the product dispensers contained liquid phase hydrocarbons (LPH) at an initial thickness of 0.08 feet. A product recovery canister was subsequently installed to assist in the removal of LPH from beneath the site. The direction of groundwater flow was generally toward the east to southeast. Off-site sources identified in the site vicinity included former Pabco Products, a paint, roofing, and floor coverings manufacturing facility, which stored oil in aboveground tanks (ASTs) at

the site (located on and northeast of the site); former Auto Freight Depot (southeast corner of Shellmound Road and Powell Street, approximately 450 feet east of the site); former Truck Repair Shop (approximately 480 feet east to southeast of the site), which stored diesel and gasoline in ASTs; and former Pacific Intermountain Express Truck Terminal (approximately 440 feet southeast of the site), which utilized ASTs and USTs.

In October 1994, EMCON conducted a supplementary site assessment to establish baseline subsurface conditions prior to the purchase of the site by Tosco Corporation (Tosco) from BP. Three soil borings (THP-1, TB-2 and THP-3, and also respectively referred to as TB-1, TB-2 and TB-3) were advanced on-site using cone penetrometer testing (CPT) equipment. Refusal was encountered in TB-2 and TPH-3 at 10 feet and 4.5 feet bgs, respectively. Soil samples from borings THP-1 and THP-3 contained TPHg and benzene up to 290 ppm and 1.6 ppm, respectively; TPHd was detected in soil from THP-1 (33 ppm); and TOG was detected in the 4.5-foot sample from THP-3 (1,800 ppm). Hydropunch groundwater samples from borings THP-1 and THP-3 contained concentrations of TPHg up to 4,600 ppb, and benzene up to 800 ppb. TOG (3,300 ppb), trans-1,2-dichloroethane (DCE, 2.4 ppb), cis-1,2-DCE (41 ppb), and 1,2-dichloroethane (1,2-DCA, 6.4 ppb) were also detected in the groundwater sample from boring THP-1. EMCON personnel returned to the site on December 5, 1994 to inspect the fuel dispensers for the presence of spill containment boxes, and for indications of leakage. No spill containment boxes were in place, and staining was observed beneath the northeast and southwest fuel dispensers. Photoionization detector (PID) readings collected from backfill material beneath the dispensers indicated the presence of volatile organic compounds (VOCs) ranging from 27 ppm to 1,063 ppm. Grab soil samples collected from beneath the fuel dispensers (TD-1, TD-2, TD-3 and TD-4) confirmed the presence of TPHg and TPHd up to concentrations of 1,400 ppm and 4,600 ppm, respectively (EMCON, *Baseline Assessment Report*, December 27, 1994).

In February 1995, Alisto performed baildown testing at the site. Using the Aqtesolv groundwater modeling program (Geraghty and Miller, 1991), the average hydraulic conductivity (K) and transmissivity (T) were estimated at 5.97E-05 centimeters per second (cm/sec), and 1.16E-06 square meters per second, respectively. The calculated K value was consistent with the expected K values for the soil type encountered beneath the site (1×10^{-1} to 10^{-6} cm/sec), which consisted predominantly of silty clay containing interbedded layers of sand (Alisto, *Baildown Test Results*, February 10, 1995).

In April 1999, Environmental Resolutions Inc. (ERI) performed a five-day soil vapor extraction (SVE) test at the site (ERI, 1999). UST backfill wells (TP-1 and TP-2) were used for SVE, and wells MW-1, MW-2 and MW-4 were utilized as observation wells. Results of vapor samples from well TP-1 indicated a decrease in methyl tertiary butyl ether (MtBE) concentrations from an initial concentration of 4,820 µg/L to 300 µg/L during the test. TPHg concentrations also decreased from an initial concentration of 12,800 µg/L to 464 µg/L during the test. ERI estimated that approximately 21.5 pounds of TPHg and 16.7 pounds of MtBE were removed by SVE. SVE flow rates ranged from 88 to 98 standard cubic feet per minute (scfm) at an applied vacuum of 12 inches of mercury. No effective radius of influence was measured in native soil outside the UST backfill (ERI, *Extended Soil Vapor Extraction Test Report*, July 20, 1999).

Following the performance of the SVE test by ERI, SECOR observed the removal of one 550-gallon, fiberglass, waste oil UST, along with a clarifier and two hoists (Hoist No. 1 and Hoist No. 2) from the former service bays as part of site remodeling activities on April 28, 1999. The waste oil UST and Hoist No. 2, were removed from two separate excavations, and the clarifier and Hoist No. 1 were removed from another excavation. One soil sample (OILT-1) from the waste oil UST excavation contained TPHg (180 milligrams per kilogram [mg/kg]), benzene (0.19 mg/kg), TPHd (370 mg/kg), and total petroleum hydrocarbons as motor oil (TPHmo, 7,000 mg/kg). A grab groundwater sample collected from 7.5 feet bgs from the waste oil UST excavation contained TPHd (560 µg/L), TPHmo (710 µg/L), benzene (10 µg/L), and MtBE (2,400 µg/L). Soil samples were collected from beneath the former clarifier (4 feet bgs), former Hoist No. 1 (8 feet bgs), and the former Hoist No. 2 (8 feet bgs); TPHg, TPHd, TPHmo, benzene, and lead were detected at maximum respective concentrations of 3.0 mg/kg (clarifier), 870 mg/kg (Hoist No. 1), 4,200 mg/kg (Hoist No. 1), 0.013 mg/kg (clarifier), and 22,000 mg/kg (clarifier). MtBE was not detected in soil from the excavations (SECOR, *Removal of Waste Oil UST, Hoists No. 1 and No. 2 and Clarifier Sump*, June 29, 1999).

Based on the presence of petroleum hydrocarbons in soil, the clarifier and hoist areas were over-excavated on May 7, 1999. Soil samples collected from the clarifier excavation at 5 feet bgs, and the hoist excavations at 5 feet bgs contained concentrations of TPHg up to 1,200 mg/kg (Hoist No. 1), TPHd up to 1,200 mg/kg (Hoist No. 1), TPHmo up to 5,000 mg/kg (Hoist No. 1), and lead up to 410 mg/kg (clarifier). Over-excavation confirmation soil samples were not analyzed for the presence of BTEX and other metals. A composite sample collected from the pea gravel was also analyzed for the presence of petroleum hydrocarbons; based on the relatively minor levels of TPHd and TPHmo and relatively low to non-detectable levels of BTEX, and non-detectable concentrations of MtBE, the excavated pea gravel was used as backfill for the waste oil UST excavation. Approximately 17.41 tons of soil were removed from the site as a result of the initial excavation and over-excavation activities (SECOR, *Removal of Waste Oil UST, Hoists No. 1 and No. 2 and Clarifier Sump*, June 29, 1999).

On March 28 and 30, 2001, Gettler-Ryan Incorporated (GRI) oversaw the removal and replacement of product lines, dispensers, and the station canopy. During the removal of the product lines, petroleum hydrocarbon-stained soil and odors were observed within the excavated trench. The entire length of the former product line trench was subsequently over-excavated an additional 1.5 feet to 3.5 feet bgs prior to sampling, resulting in the removal of approximately 150 cubic yards of soil from beneath the site. The former trenches were backfilled with clean, imported backfill as it was discovered that the former trenches were not suitable for re-use due to insufficient grading. An additional 100 cubic yards of soil were excavated to accommodate the new product lines. A total of 13 confirmation soil samples were collected from product line, dispenser and trench excavations by SECOR from the initial excavation and following over-excavation of soil. TPHg and TPHd were detected in the 13 samples at concentrations up to 5,300 mg/kg and 630 mg/kg in the initial excavation soil samples, respectively. The highest concentrations of petroleum hydrocarbons were detected in a 3.5-foot soil sample from a former product line location near well MW-9. MtBE was detected in 12 of the 13 samples up to 8.4 mg/kg. A total of 400 cubic yards of soil were removed from the site, and approximately 15,000 gallons of groundwater were removed from beneath the site during the dewatering of the

UST cavity (SECOR, *Removal and Replacement of Product Lines, Dispensers and Canopy*, May 4, 2001).

Between June and October 2004 in accordance with their July 11, 2003 *Interim Remedial Action and Off-Site Assessment Workplan* and the April 20, 2004 *Modifications to Interim Remedial Action and Offsite Assessment Work Plan*, URS Corporation (URS) implemented biweekly groundwater batch extraction at the site utilizing a vacuum truck (URS, *Off-Site Soil and Water Investigation Report*, June 15, 2005). Over this time period, groundwater was periodically extracted from wells MW-1, MW-2, MW-4, MW-8, and MW-9, which resulted in the removal of approximately 125 gallons of groundwater. Due to the limited groundwater recovery and the slow recharge of groundwater levels in the wells, URS discontinued groundwater batch extraction upon approval of Alameda County Health Care Services Agency (ACHCSA). Based on information within the Regional Water Quality Control Board – San Francisco Bay Region's (RWQCB-SFBR) June 1999 *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report* classifying the area of the site as a Zone B Groundwater Management Zone, an area where groundwater is unlikely to be used as a drinking water source and monitored natural attenuation (MNA) was the recommended remedial alternative based on this designation, URS recommended the submittal of a corrective action plan (CAP) proposing MNA as a potential remedial option for the site (URS, *Discontinuation of Interim Remedial Action, ACEH Case #RO0000066*, October 7, 2004).

In June 2005, URS supervised the installation of two off-site, downgradient groundwater monitoring wells (MW-10 and MW-11) on the Powell Street Plaza property, located south of the site (URS, 2005). Soil samples from both of the borings at depths of seven feet bgs (MW-10), and 18 and 23.5 feet bgs did not contain petroleum hydrocarbons or fuel oxygenates at or above laboratory method reporting limits (MRLs). With the exception of a concentration of MtBE in well MW-10 (1.5 µg/L), petroleum hydrocarbons and fuel oxygenates were not detected in groundwater from the wells. The direction of groundwater flow was toward the southwest at a calculated hydraulic gradient of 0.02 feet per foot (ft/ft). URS concluded that the off-site, lateral extent of dissolved impacts had been delineated during this investigation. URS again recommended the submittal of a CAP that will include an outline of possible remedial alternatives, and a proposal for implementing a selected remedial strategy based on the evaluation of historical and current subsurface site conditions, and the past performance of remedial feasibility testing and interim remedial action at the site (URS, *Off-Site Soil and Water Investigation Report*, June 15, 2005).

SENSITIVE RECEPTOR SURVEY

A sensitive receptor survey was initially performed by Alisto during site assessment activities in October 1992. The results of the survey indicated the presence of a surface water body within 1,000 feet of the site. Alisto further indicated that the aquifer beneath the site was not a potential source of drinking water (EMCON, *Baseline Assessment Report*, December 27, 1994).

QUARTERLY MONITORING AND SAMPLING STATUS REPORT

Completed Activities – Third Quarter 2005

- SECOR performed groundwater monitoring and sampling of wells MW-1 through MW-11 on September 30, 2005.
- On September 15, 2005, SECOR submitted a letter requesting an extension of the deadline for the submittal of a CAP, which was proposed by URS in their June 15, 2005 *Off-Site Soil and Water Investigation Report.* The CAP was to be submitted approximately 90 days after the submittal of URS' June 15, 2005 report by September 15, 2005. SECOR requested an extension of the September 15, 2005 deadline to October 31, 2005. To date, a response has not been received from the ACEHD. During that time, a new ACEHD case worker was assigned to the site.

Summary of Groundwater Monitoring and Sampling Activities

The groundwater monitoring well network at the site consists of 11 wells (MW-1 through MW-11). Depth to water levels are measured, and groundwater samples are collected from the wells on a quarterly basis. During the third quarter 2005, groundwater samples were collected from the wells on September 30, 2005.

Groundwater samples were submitted to Severn Trent Laboratories (STL) for analysis of gasoline range organics (GRO), BTEX, fuel oxygenates (MtBE, tertiary amyl methyl ether [TAME], di-isopropyl ether [DIPE], ethyl tertiary butyl ether [EtBE], tertiary butyl alcohol [TBA], and ethanol), and lead scavengers 1,2-DCA and ethylene dibromide (EDB) by U.S. Environmental Protection Agency (EPA) Method 8260B. Additional groundwater samples were collected from well MW-3, and were submitted for analysis of TPHd by EPA Method 8015M, and TOG by EPA Method 1664A.

DISCUSSION

Depth to Water and Groundwater Flow Direction

During the third quarter 2005, depth to groundwater within the site wells ranged from 3.54 feet to a historical low level of 10.23 feet bgs in well MW-10. Historical depth to groundwater levels have ranged between approximately 3.00 feet and 10.23 feet bgs. The direction of groundwater beneath and in the site vicinity of the site was toward the southwest at a hydraulic gradient of 0.081 ft/ft, which was generally consistent with the historical groundwater flow direction over previous quarters since 2003. The historical groundwater flow direction has reportedly been variable since 2001; however, the groundwater flow patterns were most consistently toward the south and southwest. Depth to groundwater measurements, calculated groundwater elevation data, and historical groundwater gradient data are presented in Tables 1 and 2. Groundwater elevation data were used to construct a potentiometric surface map, which is included as Figure 1. SECOR's standard procedures for groundwater monitoring and equipment decontamination

are included in Attachment 1. Field data sheets showing recorded depth to groundwater levels are included in Attachment 2.

Contaminant Concentrations

Evaluation of historical groundwater analytical data results through the third quarter 2005 indicates that the highest concentrations of GRO, BTEX, MtBE, TAME, and TBA have been detected in wells located in the immediate vicinity (MW-1 and MW-9) and northwest (MW-2) of the USTs. Based on the southwesterly groundwater flow direction reported over previous sampling events, concentrations of BTEX have been present over the last two sampling events, and elevated concentrations of TBA have been present in downgradient well MW-4. As discussed above, the direction of groundwater flow has historically varied beneath the site, which is evidenced by the elevated TBA concentrations in well MW-8 located along the northern site boundary, and TBA concentrations in wells MW-3, MW-6, and MW-7 located along the western perimeter of the site.

During the third quarter 2005, the highest concentrations of GRO were detected in wells MW-1 (4,600 µg/L), MW-2 (98,000 µg/L), off-site well MW-5 (4,100 µg/L) south of the site, and MW-9 (26,000 µg/L). Benzene was detected in wells MW-1 (1,000 µg/L), MW-2 (7,700 µg/L), MW-4 (63 µg/L), MW-5 (5.3 µg/L), and MW-9 (2,400 µg/L). MtBE was detected in the site wells except for off-site well MW-11, with the highest concentrations detected in wells MW-1 (250 µg/L), MW-2 (16,000 µg/L), MW-4 (110 µg/L), and MW-9 (2,400 µg/L). TBA was detected in wells MW-1 through MW-9, with the highest concentrations detected in wells MW-1 (1,200 µg/L), MW-2 (4,700 µg/L), MW-4 (30,000 µg/L), and MW-8 (8,500 µg/L). Except for well MW-2, which contained TAME at 270 µg/L, relatively lower levels of the analyte were detected in wells MW-3, MW-6, MW-7, and MW-9. Well MW-3 has historically been analyzed for TPHd and TOG since 1992; during the third quarter 2005, TPHd was detected in the well at a concentration of 300 µg/L, while TOG was not detected at or above the laboratory MRL.

Groundwater analytical data are presented in Tables 1 and 3, and are included on Figure 2. SECOR's standard procedures for groundwater sampling and equipment decontamination are included in Attachment 1. Groundwater sampling field data sheets are included in Attachment 2.

Concentration Trends

Concentrations of GRO and BTEX have remained stable or have declined over time, while decreases in MtBE have been observed in the site wells over time. Since analysis for the presence of fuel oxygenates was initiated in June 2003, concentrations of TBA have fluctuated in wells MW-1, MW-3, and MW-8; have steadily declined in wells MW-2, MW-7, and MW-9; have significantly increased in downgradient well MW-4 to a peak concentration of 30,000 µg/L this quarter, and have increased over the previous three quarters in well MW-6 to a peak concentration of 280 µg/L this quarter. Concentrations of TAME have steadily decreased to low levels in well MW-3, MW-4, MW-6, MW-7, and MW-9; while TAME concentrations in well MW-2 have been stable since 2003.

Plume Status

The lateral extent of the dissolved plume has been defined to the southwest by non-detectable levels of petroleum hydrocarbons and fuel oxygenates other than MtBE, and low to non-detectable levels of MtBE in wells MW-10 and MW-11. While the lateral extent of dissolved GRO and BTEX has been delineated in the westerly direction by low to non-detectable concentrations in wells MW-3, MW-6, and MW-7, the presence of dissolved MtBE and TBA has not been delineated in the westerly direction. The lateral extent of dissolved impacts has also not been delineated north of well MW-8, and to the east and southeast of the site. The presence of dissolved TPHg and TOG has not been delineated in the vicinity of well MW-3. Review of historical investigations indicate that the vertical extent of dissolved contaminants has not been investigated beyond the maximum completed depth of the wells at 17 feet bgs.

Waste Disposal

Approximately 52 gallons of groundwater generated during the third quarter 2005 groundwater sampling event were temporarily stored in 55-gallon drums on-site. The drums containing the purge water are periodically removed from the site by Filter Recycling Services, Inc. (FRS), and transferred to their facility for recycling/disposal.

Planned Activities – Fourth Quarter 2005

- Prepare and submit the *Quarterly Monitoring Report – Third Quarter 2005.*
- Perform quarterly groundwater monitoring and sampling.
- Per discussion with the ACEHD on December 15, 2005, SECOR will submit a *Remedial Action Plan,* which will include recommendations for mitigating and investigating the extent of the dissolved plume beneath the site.

LIMITATIONS

This report presents our understanding of existing conditions at the subject site. The conclusions contained herein are based on the analytical results, and professional judgment in accordance with current standards of professional practice; no other warranty is expressed or implied. SECOR assumes no responsibility for data reported by other consultants or contractors.

SECOR

Should you have any questions or concerns regarding these activities, please feel free to contact us at (916) 861-0400.

Sincerely,
SECOR International Incorporated

Kristen Flesoras
Associate Scientist

Rusty Benkosky, P.E.
Principal Engineer

Attachments: Table 1 – Groundwater Elevation and Analytical Data
Table 2 – Historical Groundwater Gradient Data
Table 3 – Groundwater Analytical Data – Additional Fuel Oxygenates, 1,2-DCA, and EDB
Figure 1 – Groundwater Elevation Contour Map – September 30, 2005
Figure 2 – Groundwater Chemical Concentration Map – September 30, 2005
Attachment 1 – SECOR's Procedures for Groundwater Monitoring and Sampling, and Equipment Decontamination
Attachment 2 – Groundwater Sampling Field Data Sheets, Certified Laboratory Analytical Report, and Chain-of-Custody Documentation

cc: Mr. Kyle Christie, BP (Electronic Upload to Enfos)
Ms. Shelby Lathrop, ConocoPhillips (Electronic Upload to Webex)

TABLES

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-1	11/04/92	7.76	4.96	--	2.80	--	e	5,300	--	--	1,100	480	<0.50	1,500	--	--	--
	10/12/93		5.26	--	2.50	-0.30	e	3,600	--	--	970	71	100	550	6,111	--	--
	02/15/94		4.98	--	2.78	0.28	e	17,000	--	--	4,200	510	360	1,600	5,495	--	3.9
	05/11/94		4.55	--	3.21	0.43	e	5,500	--	--	2,900	37	56	64	705	--	8.0
	08/01/94		--	--	--	--	c	16,000	--	--	3,600	750	510	2,800	9,800	--	--
	08/01/94		5.51	--	2.25	-0.96	e	15,000	--	--	3,600	740	510	2,800	9,718	--	2.9
	10/18/94		--	--	--	--	c	16,000	--	--	1,900	64	170	950	--	--	--
	10/18/94		5.11	--	2.65	0.40	e	16,000	--	--	1,800	61	160	890	15,668	--	2.9
	01/13/95		--	--	--	--	c	590	--	--	88	0.70	<0.50	55	--	--	--
	01/13/95		3.05	--	4.71	2.06		220	--	--	7.0	<0.50	1.0	23	--	--	6.6
	04/13/95		3.84	--	3.92	-0.79		9,300	--	--	4,000	300	200	950	--	--	7.7
	07/11/95		3.60	--	4.16	0.24		15,000	--	--	2,200	84	<25	2,500	--	--	8.8
	11/02/95		4.58	--	3.18	-0.98		1,900	--	--	920	<100	<100	430	52,000	--	7.3
	02/05/96		4.43	--	3.33	0.15		4,600	--	--	1,400	330	54	247	8,700	--	3.2
	04/24/96		4.00	--	3.76	0.43		2,000	--	--	510	33	61	228	4,500	--	7.5
	07/15/96		4.30	--	3.46	-0.30		--	--	--	--	--	--	--	--	--	--
	07/16/96		--	--	--	--	c	12,000	--	--	2,800	160	390	1,610	63,000	--	--
	07/16/96		--	--	--	--		12,000	--	--	2,800	170	390	1,630	64,000	--	7.9
	07/30/96		4.64	--	3.12	--		--	--	--	--	--	--	--	--	--	--
	08/12/96		--	--	--	--		11,000	--	--	2,500	160	<10	1,740	440,000	--	7.0
	11/04/96		5.98	--	1.78	-1.34		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		53,000	--	--	1,300	43	100	349	42,000/190,000	--	6.6
	05/17/97		4.65	--	3.11	--		52,000	--	--	1,958	55	305	1,216	140,198	--	5.7
	08/11/97		4.90	--	2.86	-0.25		25,000	--	--	540	6.7	<5.0	57	360,000	--	7.9
	11/17/97		6.12	--	1.64	-1.22		93,000	--	--	1,200	31	180	40	400,000	--	7.6
	01/29/98		4.90	--	2.86	1.22		4,800	--	--	320	24	52	20	<50	--	6.6
	06/22/98		4.62	--	3.14	0.28		63,000	--	--	180	<5.0	15	69	57,000	--	6.0
	12/30/98		5.41	--	2.35	-0.79		22,000	--	--	2,500	24	120	400	15,000/13,000	--	--
	03/09/99		3.40	--	4.36	2.01		16,000	--	--	2,000	84	290	510	13,000	--	--
	06/23/99		4.60	--	3.16	-1.20		9,600	--	--	4,500	21	160	260	24,000	--	--
	09/23/99		4.21	--	3.55	0.39		3,800	--	--	1,600	32	150	240	7,100	--	--
	12/28/99		4.10	--	3.66	0.11		3,400	--	--	<2,200	17	53	130	5,500	--	--
	03/22/00		5.51	--	2.25	-1.41		6,400	--	--	1,100	45	190	330	4,900	--	--
	05/26/00		4.79	--	2.97	0.72		110,000	--	--	700	44	140	250	320,000	--	--

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-1	09/06/00		5.19	--	2.57	-0.40		5,600	--	--	1,000	13	57	90	19,000	--	--
(cont.)	09/15/00		5.73	--	2.03	--		--	--	--	--	--	--	--	--	--	--
	12/11/00		5.82	--	1.94	-0.63		5,500	--	--	1,160	47.1	155	292	3,900	--	--
	03/29/01			Well Inaccessible													
	06/27/01		5.49	--	2.27	--		6,100	--	--	1,200	12.9	17.3	77.9	1,780	--	--
	09/19/01		6.19	--	1.57	-0.70		1,800	--	--	102	<12.5	<12.5	<37.5	1,090	--	--
	12/28/01		5.27	--	2.49	0.92		4,000	--	--	540	11.8	20.4	64.6	1,120	--	--
	03/12/02		5.68	--	2.08	-0.41		3,700	--	--	491	8.39	12.4	27.3	1,020	--	--
	6/13/2002*		5.54	--	2.22	0.14		1,900	--	--	255	<12.5	<12.5	<25	6,490	--	--
	09/06/02		5.56	--	2.20	-0.02		1,100	--	--	170	5.1	2.2	20	550	--	--
	12/13/02		5.45	--	2.31	0.11	h	2,700	--	--	610	10	18	67	470	--	--
	02/19/03		3.00	--	4.76	2.45	i	1,500	--	--	180	<5.0	<5.0	15	610	--	--
	06/06/03		5.52	--	2.24	-2.52		4,600	--	--	620	<25	<25	55	1,400	--	--
	08/07/03		5.55	--	2.21	-0.03		2,000	--	--	290	<5.0	<5.0	15	920	--	--
	11/20/03		5.41	--	2.35	0.14		2,800	--	--	420	11	11	53	250	--	--
	04/28/04		5.33	--	2.43	--		1,600	--	--	100	5.3	<5.0	8.8	200	--	--
	08/26/04		4.03	--	3.73	1.30		1,700	--	--	220	7.2	15	35	180	<2.5	--
	12/01/04		3.93	--	3.83	0.10		2,100	--	--	380	8.0	34	76	170	--	--
	02/02/05		3.61	--	4.15	0.32		1,100	--	--	150	3.0	12	14	160	--	--
	04/25/05	10.16	3.75	--	6.41	--		930	--	--	140	3.6	5.3	11	200	--	--
	09/30/05		**3.54**	**--**	**6.62**	**0.21**	**m**	**4,600**	**--**	**--**	**1,000**	**15**	**78**	**150**	**250**	**--**	**--**
MW-2	11/04/92		--	--	--	--	c	12,000	--	--	3,200	980	<0.50	1,900	--	--	--
	11/04/92	8.56	5.88	--	2.68	--	e	12,000	--	--	3,900	1,300	<0.50	2,300	--	--	--
	10/12/93		6.29	--	2.27	-0.41	e	4,500	--	--	3,400	180	230	940	442	--	--
	02/15/94		--	--	--	--	c	1,800	--	--	290	160	14	250	--	--	--
	02/15/94		5.56	--	3.00	0.73	e	2,000	--	--	430	270	28	390	127	--	4.0
	05/11/94		--	--	--	--	c	15,000	--	--	5,600	1,500	470	2,000	740	--	--
	05/11/94		5.17	--	3.39	0.39	e	14,000	--	--	3,900	1,200	440	1,900	953	--	8.9
	08/01/94		5.43	--	3.13	-0.26	e	8,200	--	--	3,000	420	230	680	1,676	--	2.6
	10/18/94		5.71	--	2.85	-0.28	e	9,000	--	--	2,000	140	150	420	2,417	--	7.2
	01/13/95		4.67	--	3.89	1.04		7,900	--	--	2,200	42	<5.0	770	--	--	6.8
	04/13/95		--	--	--	--	c	25,000	--	--	6,500	1,500	110	5,300	--	--	--
	04/13/95		4.37	--	4.19	0.30		33,000	--	--	8,000	2,500	1,100	6,600	--	--	7.5

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-2	07/11/95		--	--	--	--	c	28,000	--	--	6,800	1,000	900	4,900	--	--	--
(cont.)	07/11/95		4.51	--	4.05	-0.14		19,000	--	--	3,300	99	7.5	4,600	--	--	7.8
	11/02/95		--	--	--	--	c	22,000	--	--	4,000	1,200	600	2,700	19,000	--	--
	11/02/95		5.55	--	3.01	-1.04		20,000	--	--	3,800	1,200	570	2,700	15,000	--	7.3
	02/05/96		--	--	--	--	c	910	--	--	290	180	19	137	93	--	--
	02/05/96		5.10	--	3.46	0.45		1,200	--	--	320	220	26	187	99	--	2.2
	04/24/96		--	--	--	--	c	<500	--	--	100	30	<10	71	<100	--	--
	04/24/96		4.95	--	3.61	0.15		<500	--	--	70	22	<10	61	<50	--	7.0
	07/15/96		5.40	--	3.16	-0.45		--	--	--	--	--	--	--	--	--	--
	07/16/96		--	--	--	--		12,000	--	--	3,300	1,400	250	2,610	1,400	--	7.8
	07/30/96		5.44	--	3.12	--		--	--	--	--	--	--	--	--	--	--
	11/04/96		7.06	--	1.50	-1.66		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--	c	9,200	--	--	1,300	170	<25	2,240	1,100	--	--
	11/05/96		--	--	--	--		7,200	--	--	1,400	230	38	2,110	1,100	--	7.4
	05/17/97		5.77	--	2.79	--		570	--	--	42	<5.0	5.0	60	210	--	6.9
	08/11/97		5.71	--	2.85	0.06		6,300	--	--	1,800	130	86	397	2,400	--	8.5
	11/17/97		6.91	--	1.65	-1.20		2,400	--	--	220	30	33	259	130	--	7.9
	01/29/98		4.61	--	3.95	2.30		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	6.2
	06/22/98		4.80	--	3.76	-0.19		4,200	--	--	640	150	120	650	560	--	5.4
	12/30/98		5.21	--	3.35	--		--	--	--	--	--	--	--	--	--	--
	06/23/99		5.30	--	3.26	--		--	--	--	--	--	--	--	--	--	--
	09/23/99		4.75	--	3.81	0.55		3,800	--	--	760	19	210	960	910	--	--
	12/28/99		4.51	--	4.05	0.24		--	--	--	--	--	--	--	--	--	--
	03/22/00		4.21	--	4.35	0.30		2,500	--	--	780	17	44	270	2,800	--	--
	05/26/00		4.66	--	3.90	-0.45		--	--	--	--	--	--	--	--	--	--
	09/06/00		4.71	--	3.85	-0.05		3,700	--	--	1,200	5.5	12	170	12,000	--	--
	09/15/00		4.74	--	3.82	--		--	--	--	--	--	--	--	--	--	--
	12/11/00		4.79	--	3.77	-0.08		--	--	--	--	--	--	--	--	--	--
	03/29/01			Well Inaccessible													
	06/27/01			Well Inaccessible													
	09/19/01			Well Inaccessible													
	12/28/01			Well Inaccessible													
	03/12/02		4.25	--	4.31	--		26,000	--	--	1,160	4.39	61.1	171	37,300	--	--
	6/13/2002*		4.94	--	3.62	-0.69		18,000	--	--	578	<50	<50	<100	84,600	--	--

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76 (Former BP) Service Station No. 11126
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Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-2	09/06/02		5.23	--	3.33	-0.29		26,000	--	--	440	<50	<50	<50	45,000	--	--
(cont.)	12/13/02		4.94	--	3.62	0.29	h	69,000	--	--	1,200	<500	<500	<500	98,000	--	--
	02/19/03		4.14	--	4.42	0.80	i	78,000	--	--	1,100	<500	<500	<500	81,000	--	--
	06/06/03		4.66	--	3.90	-0.52		120,000	--	--	1,100	<1,000	<1,000	<1,000	72,000	--	--
	08/07/03		4.90	Sheen	3.66	-0.24		71,000	--	--	590	<500	<500	<500	83,000	--	--
	11/20/03		4.59	--	3.97	0.31		22,000	--	--	720	<100	<100	<100	18,000	--	--
	04/28/04		4.37	--	4.19	--		<25,000	--	--	690	<250	<250	<250	31,000	--	--
	08/26/04		4.59	--	3.97	0.00		140,000	--	--	8,200	--	4,200	19,000	11,000	<250	--
	12/01/04		4.79	--	3.77	-0.20		98,000	--	--	8,400	--	4,600	21,000	10,000	--	--
	02/02/05		4.27	Sheen	4.29	0.52		92,000	--	--	6,600	9,900	4,400	18,000	10,000	--	--
	04/25/05	11.39	4.00	--	7.39	--		80,000	--	--	6,700	4,900	4,400	17,000	8,200	--	--
	09/30/05		**4.86**	**--**	**6.53**	**-0.86**	**m**	**98,000**	**--**	**--**	**7,700**	**7,400**	**4,700**	**20,000**	**16,000**	**--**	**--**
MW-3	11/04/92	8.25	6.38	--	1.87	--	e	200	690	<5,000	1.6	<0.50	<0.50	1.1	--	ND	--
	10/12/93		--	--	--	--	c	150	--	--	5.6	0.60	<0.50	1.6	--	--	--
	10/12/93		5.84	--	2.41	--	e	270	2,100	<5,000	5.0	0.70	<0.50	2.6	96.3	ND	--
	02/15/94		6.60	--	1.65	-0.76	e	140	2.3	90	5.7	<0.50	<0.50	<0.50	30.1	ND	3.9
	05/11/94		5.86	--	2.39	0.74	e	190	2,500	<5,000	2.7	1.9	<0.50	1.9	51	ND	9.2
	08/01/94		6.13	--	2.12	-0.27	e	120	1,300	<5,000	1.3	<0.50	0.50	1.1	17.6	ND	2.9
	10/18/94		6.39	--	1.86	-0.26	e	100	2,200	<5,000	2.3	<0.50	<0.50	<0.50	21	ND	3.6
	01/13/95		5.47	--	2.78	0.92		<50	970	--	0.80	<0.50	<0.50	<1.0	--	ND	7.7
	04/13/95		5.17	--	3.08	0.30		530	<500	2,100	8.7	1.9	<0.50	3.9	--	ND	8.4
	07/11/95		5.37	--	2.88	-0.20		78	2,100	1,900	0.57	<0.50	<0.50	<1.0	--	ND	8.3
	11/02/95		6.29	--	1.96	-0.92		250	2,000	1,400	0.73	<0.50	<0.50	1.8	270	ND	8.3
	02/05/96		5.80	--	2.45	0.49		<50	1,600	9,000	<0.50	<1.0	<1.0	2.7	11	ND	3.5
	04/24/96		5.69	--	2.56	0.11		<50	2,800	6,000	<5.0	<10	<10	<10	150	ND	8.6
	07/15/96		6.18	--	2.07	-0.49		<250	3,700	1,000	<2.5	<5.0	<5.0	<5.0	<50	ND	7.7
	07/30/96		6.04	--	2.21	--		--	--	--	--	--	--	--	--	--	--
	11/04/96		7.84	--	0.41	-1.66		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		90	890	2,000	<0.50	<1.0	<1.0	<1.0	30	ND	6.8
	05/17/97		6.49	--	1.76	--		<50	2,100	700	<0.50	<1.0	<1.0	<1.0	52	ND	6.3
	08/11/97		6.15	--	2.10	0.34		490	1,900	<5,000	<2.5	<5.0	<5.0	<5.0	170	ND	7.4
	11/17/97		7.15	--	1.10	-1.00		120	2,500	<5,000	<0.50	<1.0	<1.0	<1.0	46	ND	7.0
	01/29/98		5.10	--	3.15	2.05		270	1,700	2,000	0.53	<1.0	<1.0	<1.0	330	ND	6.4

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Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-3	06/22/98		5.50	--	2.75	-0.40		200	2,200	<5.0	<0.50	<1.0	<1.0	<1.0	130	ND	5.5
(cont.)	12/30/98		6.68	--	1.57	--		--	--	--	--	--	--	--	--	--	--
	03/09/99		5.53	--	2.72	-0.03		60	840	7,600	<1.0	<1.0	<1.0	<1.0	19	--	--
	06/23/99		6.60	--	1.65	-1.07		--	--	--	--	--	--	--	--	--	--
	09/23/99		6.17	--	2.08	0.43		--	--	--	--	--	--	--	--	--	--
	12/28/99		6.00	--	2.25	0.17		--	--	--	--	--	--	--	--	--	--
	03/22/00		4.77	--	3.48	1.23		690	<58	13,000	4.2	3.1	0.81	2.7	2,900	--	--
	05/26/00		5.28	--	2.97	-0.51		--	--	--	--	--	--	--	--	--	--
	09/15/00		5.58	--	2.67	-0.30		--	--	--	--	--	--	--	--	--	--
	12/11/00		11.74	--	-3.49	-6.16	d	--	--	--	--	--	--	--	--	--	--
	03/29/01		5.04	--	3.21	6.70		650	<50	6,540	<2.5	<2.5	<2.5	<7.5	680	--	--
	06/27/01		5.62	--	2.63	-0.58		460	690	<5,000	<2.5	<2.5	<2.5	<7.5	560	--	--
	09/19/01		5.80	--	2.45	-0.18		<500	520	<5,000	<5.0	<5.0	<5.0	<15	464	--	--
	12/28/01		4.85	--	3.40	0.95		180	550	<5,000	<0.50	<0.50	<0.50	<1.0	180	--	--
	03/12/02		4.39	--	3.86	0.46		410	1,300	<5,000	<2.5	<2.5	<2.5	<5.0	443	--	--
	06/13/02		5.38	--	2.87	-0.99		<250	2,600	<5,000	<2.5	<2.5	<2.5	<5.0	395	--	--
	09/06/02		5.68	--	2.57	-0.30		<200	--	--	<2.0	<2.0	<2.0	<2.0	650	--	--
	12/13/02		5.37	--	2.88	0.31	h	<50	980	7,000	<0.50	<0.50	<0.50	<0.50	60	--	--
	02/19/03		4.80	--	3.45	0.57	i	<1,000	380	6,700	<10	<10	<10	<!0	120	--	--
	06/06/03		5.13	--	3.12	-0.33		<500	620	7.9	<5.0	<5.0	<5.0	<5.0	180	--	--
	08/07/03		5.43	--	2.82	-0.30	j	<500	820	5.4	5.7	<5.0	<5.0	<5.0	290	--	--
	11/20/03		4.72	--	3.53	0.71	j	<50	1,200	<4.8	<0.50	<0.50	<0.50	<0.50	17	--	--
	04/28/04		4.87	--	3.38	--	j	<100	240	<5,100	<1.0	<1.0	<1.0	<1.0	87	--	--
	08/26/04		5.42	--	2.83	-0.55	j	56	250	<10,000	<0.50	<0.50	<0.50	<0.50	34	<0.50	--
	12/01/04		5.69	--	2.56	-0.27		<100	690	<5.0	<1.0	<1.0	<1.0	<1.0	7.4	--	--
	02/02/05		4.72	--	3.53	0.97		<100	730	<4,800	<1.0	<1.0	<1.0	<1.0	20	--	--
	04/25/05	10.73	4.75	--	5.98	--	q	<250	520	6,300	<2.5	<2.5	<2.5	<2.5	220	--	--
	09/30/05		**5.30**	**--**	**5.43**	**-0.55**	**l**	**<50**	**300**	**<2,000**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**8.2**	**--**	**--**
MW-4	11/04/92	8.12	6.66	--	1.46	--	e	340	--	--	4.5	<0.50	4.3	<0.50	--	--	--
	10/12/93		6.87	--	1.25	-0.21	e	160	--	--	5.8	1.4	0.80	2.7	261	--	--
	02/15/94		6.61	--	1.51	0.26	e	110	--	--	4.4	0.70	<0.50	2.5	118	--	4.3
	05/11/94		5.89	--	2.23	0.72	e	120	--	--	0.50	0.80	<0.50	<0.50	137	--	9.3
	08/01/94		6.87	--	1.25	-0.98	e	140	--	--	0.70	2.0	5.2	15	138	--	3.3

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1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-4	10/18/94		6.62	--	1.50	0.25	e	140	--	--	3.5	<0.50	0.50	<0.50	197	--	3.0
(cont.)	01/13/95		7.27	--	0.85	-0.65		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	7.9
	04/13/95		6.51	--	1.61	0.76		73	--	--	1.2	<0.50	<0.50	<1.0	--	--	9.9
	07/11/95		6.21	--	1.91	0.30		82	--	--	0.57	<0.50	<0.50	<1.0	--	--	7.2
	11/02/95		6.78	--	1.34	-0.57		71	--	--	1.4	0.96	0.99	2.8	140	--	8.6
	02/05/96		6.41	--	1.71	0.37		<50	--	--	<5.0	<10	<10	<10	200	--	4.4
	04/24/96		6.18	--	1.94	0.23		<250	--	--	<2.5	<5.0	<5.0	<5.0	510	--	8.3
	07/15/96		6.63	--	1.49	-0.45		<50	--	--	5.7	<1.0	<1.0	<1.0	550	--	7.4
	07/30/96		6.34	--	1.78	--		--	--	--	--	--	--	--	--	--	--
	11/04/96		8.27	--	-0.15	-1.64		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		460	--	--	<2.5	11.00	<5.0	<5.0	620/610	--	7.3
	05/17/97		7.00	--	1.12	--		--	--	--	--	--	--	--	--	--	--
	08/11/97		6.81	--	1.31	0.19		--	--	--	--	--	--	--	--	--	--
	11/17/97		9.19	--	-1.07	-2.38		840	--	--	<0.50	<1.0	<1.0	<1.0	880	--	7.3
	01/29/98		7.94	--	0.18	1.25		--	--	--	--	--	--	--	--	--	--
	06/22/98		7.49	--	0.63	0.45		--	--	--	--	--	--	--	--	--	--
	12/30/98		8.21	--	-0.09	--		--	--	--	--	--	--	--	--	--	--
	03/09/99		7.70	--	0.42	0.51		1,200	--	--	<1.0	<1.0	<1.0	<1.0	2,000	--	--
	06/23/99		8.81	--	-0.69	-1.11		--	--	--	--	--	--	--	--	--	--
	09/23/99		8.32	--	-0.20	0.49		--	--	--	--	--	--	--	--	--	--
	12/28/99		8.21	--	-0.09	0.11		--	--	--	--	--	--	--	--	--	--
	03/22/00		6.74	--	1.38	1.47		910	--	--	<0.50	<0.50	0.54	1.7	3,800	--	--
	05/26/00		5.13	--	2.99	1.61		--	--	--	--	--	--	--	--	--	--
	09/15/00		8.20	--	-0.08	-3.07		--	--	--	--	--	--	--	--	--	--
	12/11/00		8.31	--	-0.19	-0.11		--	--	--	--	--	--	--	--	--	--
	03/29/01			Well Inaccessible													
	06/27/01		7.57	--	0.55	--		2,800	--	--	18.9	<2.5	<2.5	<7.5	4,220	--	--
	09/19/01		7.87	--	0.25	-0.30		2,500	--	--	<5.0	<5.0	<5.0	<15	3,340	--	--
	12/28/01		7.80	--	0.32	0.07		4,400	--	--	<5.0	<5.0	<5.0	<10	5,330	--	--
	03/12/02		4.53	--	3.59	3.27		6,400	--	--	71.5	<5.0	<5.0	<10	8,440	--	--
	6/13/2002*		6.21	--	1.91	-1.68		1,800	--	--	7.5	<5.0	5.03	13.1	6,870	--	--
	09/06/02		7.78	--	0.34	-1.57		<2,000	--	--	<20	<20	<20	<20	9,600	--	--
	12/13/02		7.87	--	0.25	-0.09	h	5,600	--	--	<50	<50	<50	<50	8,600	--	--
	02/19/03		4.84	--	3.28	3.03	i	<10,000	--	--	<100	<100	<100	<100	8,000	--	--

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-4	06/06/03		7.98	--	0.14	-3.14		13,000	--	--	<50	<50	<50	<50	6,800	--	--
(cont.)	08/07/03		7.24	--	0.88	0.74		6,200	--	--	<50	<50	<50	<50	6,600	--	--
	11/20/03		7.02	--	1.10	0.22		10,000	--	--	<100	<100	<100	<100	11,000	--	--
	04/28/04		4.81	--	3.31	--		<25,000	--	--	<250	<250	<250	<250	3,600	--	--
	08/26/04		5.65	--	2.47	-0.84	k	<2,500	--	--	<25	<25	<25	<25	1,800	<25	--
	12/01/04		7.34	--	0.78	-1.69		1,100	--	--	<10	<10	<10	<10	450	--	--
	02/02/05		7.61	--	0.51	-0.27		1,000	--	--	<5.0	<5.0	<5.0	<5.0	410	--	--
	04/25/05	10.58	7.25	--	3.33	--		720	--	--	8.0	5.3	<5.0	16	170	--	--
	09/30/05		**7.72**	**--**	**2.86**	**-0.47**	**m**	**<2,500**	**--**	**--**	**63**	**58**	**46**	**140**	**110**	**--**	**--**
MW-5	10/12/93	7.69	6.01	--	1.68	--	e	--	--	--	--	--	--	--	--	--	--
	10/13/93		--	--	--	--	e	2,300	--	--	160	10	<0.50	26	--	--	--
	02/15/94		5.74	--	1.95	0.27	e	5,100	--	--	710	16	33	35	153	--	4.0
	05/11/94		5.28	--	2.41	0.46	e	11,000	--	--	1,100	39	110	57	165	--	8.0
	08/01/94		5.84	--	1.85	-0.56	e	9,000	--	--	730	35	61	41	196	--	2.6
	10/18/94		6.01	--	1.68	-0.17	e	7,800	--	--	330	30	27	27	559	--	5.6
	01/13/95		4.74	--	2.95	1.27		<500	--	--	290	6.0	<5.0	18	--	--	6.8
	04/13/95		5.50	--	2.19	-0.76		9,100	--	--	400	15	52	27	--	--	7.4
	07/11/95		5.75	--	1.94	-0.25		7,300	--	--	390	13	28	23	--	--	7.2
	11/03/95		6.65	--	1.04	-0.90		7,200	--	--	270	15	38	23	200	--	8.4
	02/05/96		4.83	--	2.86	1.82		4,600	--	--	370	15	53	28	<50	--	1.9
	04/24/96		6.09	--	1.60	-1.26		3,000	--	--	180	<10	32	14	<100	--	8.1
	07/15/96		6.57	--	1.12	-0.48		--	--	--	--	--	--	--	--	--	--
	07/16/96		--	--	--	--		<50	--	--	190	<10	31	16	<100	--	8.3
	07/30/96		5.61	--	2.08	--		--	--	--	--	--	--	--	--	--	--
	08/12/96		--	--	--	--		2,000	--	--	150	12	25	18.2	<50	--	7.6
	11/04/96		8.25	--	-0.56	-1.68		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		5,200	--	--	42	5.5	13	<5.0	1,700	--	7.4
	05/17/97		6.95	--	0.74	--		80	--	--	0.56	<1.0	<1.0	<1.0	46	--	6.7
	08/11/97		6.72	--	0.97	0.23		2,700	--	--	20	12	6.7	9.7	1,900	--	8.5
	11/17/97		9.49	--	-1.80	-2.77		8,400	--	--	25	12	8.7	5.4	13,000	--	7.9
	01/29/98		7.88	--	-0.19	1.61		110,000	--	--	2,500	110	180	589	--	--	6.8
	06/22/98		7.40	--	0.29	0.48		4,400	--	--	47	10	29	20.5	47	--	6.6
	12/30/98		6.13	--	1.56	--		6,000	--	--	18	9.1	22	16.00	63/44	--	--

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Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-5	03/09/99		4.79	--	2.90	1.34		4,600	--	--	8.8	5.5	12	11	24	--	--
(cont.)	06/23/99		5.95	--	1.74	-1.16		3,400	--	--	1,500	8.9	54	87	7,500	--	--
	09/23/99		5.43	--	2.26	0.52		2,600	--	--	510	14	140	650	580	--	--
	12/28/99		5.30	--	2.39	0.13		3,500	--	--	900	18	57	140	4,800	--	--
	03/22/00			Well Inaccessible													
	05/26/00			Well Inaccessible													
	09/06/00			Well Inaccessible													
	09/15/00			Well Inaccessible													
	12/11/00			Well Inaccessible													
	03/29/01			Well Inaccessible													
	06/27/01			Well Paved Over													
	09/19/01			Well Paved Over													
	12/28/01		4.65	--	3.04	--		4,600	--	--	19.9	24.6	16.2	57	72.3	--	--
	03/12/02		5.35	--	2.34	-0.70		5,100	--	--	45.4	13.7	22	38.9	31.6	--	--
	06/13/02		5.34	--	2.35	0.01		2,900	--	--	31.8	<12.5	<12.5	<25	616	--	--
	09/06/02		5.46	--	2.23	-0.12		3,400	--	--	23	5.5	<5.0	11	230	--	--
	12/13/02		5.47	--	2.22	-0.01	h	2,500	--	--	12	9.3	4.6	8.8	110	--	--
	02/19/03		5.29	--	2.40	0.18	i	2,800	--	--	11	5.4	9.7	12	6.4	--	--
	06/06/03		5.30	--	2.39	-0.01		3,200	--	--	9.1	<5.0	7.6	9.3	<5.0	--	--
	08/07/03		5.33	--	2.36	-0.03		2,200	--	--	7.3	<5.0	<5.0	9.1	18	--	--
	11/20/03		5.39	--	2.30	-0.06		3,500	--	--	12	5.4	6.4	12	12	--	--
	04/28/04		5.53	--	2.16	--		5,700	--	--	7.8	4.2	5.2	11	11	--	--
	08/26/04		5.42	--	2.27	0.11		2,400	--	--	23	4.0	3.6	11	74	<2.5	--
	12/01/04		5.38	--	2.31	0.04		4,300	--	--	11	<5.0	5.5	15	<5.0	--	--
	02/02/05		5.48	--	2.21	-0.10		4,000	--	--	8.4	4.8	4.0	10	11	--	--
	04/25/05	10.18	5.52	--	4.66	--		5,200	--	--	7.6	4.0	4.3	9.9	12	--	--
	09/30/05		**5.04**	**--**	**5.14**	**0.48**	**m**	**4,100**	**--**	**--**	**5.3**	**2.7**	**2.1**	**8.0**	**16**	**--**	**--**
MW-6	10/12/93	8.52	6.59	--	1.93	--	e	63	--	--	<0.50	<0.50	<0.50	<0.50	44.4	--	--
	02/15/94		6.31	--	2.21	0.28	e	68	--	--	<0.50	<0.50	<0.50	<0.50	38.1	--	3.1
	05/11/94		6.15	--	2.37	0.16	e	68	--	--	<0.50	<0.50	<0.50	<0.50	48.5	--	8.7
	08/01/94		6.46	--	2.06	-0.31	e	91	--	--	<0.50	<0.50	<0.50	0.60	59.6	--	2.4
	10/18/94		6.72	--	1.80	-0.26	e	<50	--	--	<0.50	<0.50	<0.50	<0.50	84.6	--	6.0
	01/13/95		5.95	--	2.57	0.77		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	7.0

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Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-6	04/13/95		5.44	--	3.08	0.51		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	8.5
(cont.)	07/11/95		5.68	--	2.84	-0.24		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	8.4
	11/02/95		6.57	--	1.95	-0.89		<50	--	--	<0.50	<0.50	<0.50	<1.0	35	--	8.3
	02/05/96		6.27	--	2.25	0.30		<50	--	--	<5.0	<10	<10	<10	<100	--	2.2
	04/24/96		5.95	--	2.57	0.32		<250	--	--	<2.5	<5.0	<5.0	<5.0	62	--	8.0
	07/15/96		6.39	--	2.13	-0.44		<250	--	--	<2.5	<5.0	<5.0	<5.0	<50	--	8.0
	07/30/96		6.44	--	2.08	--		--	--	--	--	--	--	--	--	--	--
	11/04/96		8.05	--	0.47	-1.66		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	7.3
	05/17/97		6.75	--	1.77	--		--	--	--	--	--	--	--	--	--	--
	08/11/97		6.48	--	2.04	0.27		--	--	--	--	--	--	--	--	--	--
	11/17/97		9.27	--	-0.75	-2.79		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	7.7
	01/29/98		7.98	--	0.54	1.29		--	--	--	--	--	--	--	--	--	--
	06/22/98		7.68	--	0.84	0.30		--	--	--	--	--	--	--	--	--	--
	12/30/98		6.98	--	1.54	--		--	--	--	--	--	--	--	--	--	--
	03/09/99		5.90	--	2.62	1.08		--	--	--	--	--	--	--	--	--	--
	06/23/99		6.93	--	1.59	-1.03		--	--	--	--	--	--	--	--	--	--
	09/23/99		6.45	--	2.07	0.48		--	--	--	--	--	--	--	--	--	--
	12/28/99		6.33	--	2.19	0.12		--	--	--	--	--	--	--	--	--	--
	03/22/00		5.15	--	3.37	1.18		--	--	--	--	--	--	--	--	--	--
	05/26/00		5.72	--	2.80	-0.57		--	--	--	--	--	--	--	--	--	--
	09/15/00		6.02	--	2.50	-0.30		--	--	--	--	--	--	--	--	--	--
	12/11/00		6.20	--	2.32	-0.18		--	--	--	--	--	--	--	--	--	--
	03/29/01		5.34	--	3.18	0.86		750	--	--	<2.5	2.91	<2.5	11.8	820	--	--
	06/27/01		6.00	--	2.52	-0.66		760	--	--	32.9	<2.5	<2.5	<7.5	968	--	--
	09/19/01		6.22	--	2.30	-0.22		<500	--	--	<5.0	<5.0	<5.0	<15	879	--	--
	12/28/01		4.71	--	3.81	1.51	g	--	--	--	--	--	--	--	--	--	--
	03/12/02		4.96	--	3.56	-0.25		<500	--	--	<5.0	<5.0	<5.0	<10	244	--	--
	06/13/02		5.78	--	2.74	-0.82		<250	--	--	<2.5	<2.5	<2.5	<5.0	413	--	--
	09/06/02		6.14	--	2.38	-0.36		130	--	--	<0.50	<0.50	<0.50	<0.50	240	--	--
	12/13/02		6.05	--	2.47	0.09	h	140	--	--	<1.0	<1.0	<1.0	<1.0	200	--	--
	02/19/03		5.40	--	3.12	0.65	i	<500	--	--	<5.0	<5.0	<5.0	<5.0	150	--	--
	06/06/03		5.54	--	2.98	-0.14		1,100	--	--	<5.0	<5.0	<5.0	<5.0	140	--	--
	08/07/03		5.94	--	2.58	-0.40		<500	--	--	<5.0	<5.0	<5.0	<5.0	160	--	--

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Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-6	11/20/03		5.85	--	2.67	0.09		95	--	--	<0.50	<0.50	<0.50	<0.50	74	--	--
(cont.)	04/28/04		5.45	--	3.07	--		<250	--	--	<2.5	<2.5	<2.5	<2.5	120	--	--
	08/26/04		6.06	--	2.46	-0.61		<250	--	--	<2.5	<2.5	<2.5	<2.5	110	<2.5	--
	12/01/04		6.19	--	2.33	-0.13		<250	--	--	<2.5	<2.5	<2.5	<2.5	86	--	--
	02/02/05		5.20	--	3.32	0.99		55	--	--	<0.50	<0.50	<0.50	<0.50	41	--	--
	04/25/05	11.01	5.22	--	5.79	--		64	--	--	<0.50	<0.50	<0.50	<0.50	50	--	--
	09/30/05		**5.93**	**--**	**5.08**	**-0.71**	**m,n**	**200**	**--**	**--**	**<2.0**	**<2.0**	**<2.0**	**<4.0**	**51**	**--**	**--**
MW-7	10/12/93	7.61	6.14	--	1.47	--	e	<50	--	--	<0.50	<0.50	<0.50	0.70	<5.0	--	--
	02/15/94		5.88	--	1.73	0.26	e	78	--	--	<0.50	<0.50	<0.50	0.60	<5.0	--	4.0
	05/11/94		5.76	--	1.85	0.12	e	70	--	--	<0.50	<0.50	<0.50	0.90	11.5	--	9.1
	08/01/94		5.97	--	1.64	-0.21	e	77	--	--	<0.50	<0.50	<0.50	0.50	182	--	2.5
	10/18/94		6.24	--	1.37	-0.27	e	<50	--	--	<0.50	<0.50	<0.50	<0.50	51.7	--	6.3
	01/13/95		5.39	--	2.22	0.85		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	8.2
	04/13/95		5.17	--	2.44	0.22		63	--	--	<0.50	<0.50	<0.50	1.4	--	--	8.4
	07/11/95		5.25	--	2.36	-0.08		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	7.9
	11/02/95		6.19	--	1.42	-0.94		<50	--	--	<0.50	<0.50	<0.50	<1.0	55	--	8.0
	02/05/96		5.69	--	1.92	0.50		<50	--	--	<0.50	<1.0	<1.0	<1.0	40	--	1.9
	04/24/96		5.59	--	2.02	0.10		<250	--	--	<2.5	<5.0	<5.0	<5.0	53	--	8.2
	07/15/96		6.07	--	1.54	-0.48		<250	--	--	<2.5	<5.0	<5.0	<5.0	<50	--	7.8
	07/30/96		6.04	--	1.57	--		--	--	--	--	--	--	--	--	--	--
	11/04/96		7.76	--	-0.15	-1.69		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	7.8
	05/17/97		6.42	--	1.19	--		--	--	--	--	--	--	--	--	--	--
	08/11/97		6.06	--	1.55	0.36		--	--	--	--	--	--	--	--	--	--
	11/17/97		9.07	--	-1.46	-3.01		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	7.1
	01/29/98		7.44	--	0.17	1.63		--	--	--	--	--	--	--	--	--	--
	06/22/98		7.39	--	0.22	0.05		--	--	--	--	--	--	--	--	--	--
	12/30/98		5.51	--	2.10	--		--	--	--	--	--	--	--	--	--	--
	03/09/99		5.57	--	2.04	-0.06		--	--	--	--	--	--	--	--	--	--
	06/23/99		6.69	--	0.92	-1.12		--	--	--	--	--	--	--	--	--	--
	09/23/99		6.23	--	1.38	0.46		--	--	--	--	--	--	--	--	--	--
	12/28/99		6.08	--	1.53	0.15		--	--	--	--	--	--	--	--	--	--
	03/22/00		4.88	--	2.73	1.20		--	--	--	--	--	--	--	--	--	--

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-7	05/26/00		5.42	--	2.19	-0.54		--	--	--	--	--	--	--	--	--	--
(cont.)	09/15/00		5.79	--	1.82	-0.37		--	--	--	--	--	--	--	--	--	--
	12/11/00		5.93	--	1.68	-0.14		--	--	--	--	--	--	--	--	--	--
	03/29/01		5.24	--	2.37	0.69		600	--	--	<2.5	<2.5	<2.5	<7.5	636	--	--
	06/27/01		5.69	--	1.92	-0.45		590	--	--	<2.5	<2.5	<2.5	<7.5	739	--	--
	09/19/01		5.89	--	1.72	-0.20		560	--	--	<5.0	<5.0	<5.0	<15	1,190	--	--
	12/28/01		4.53	--	3.08	1.36		910	--	--	22.7	<2.5	<2.5	<5.0	856	--	--
	03/12/02		4.71	--	2.90	-0.18		620	--	--	<2.5	<2.5	<2.5	<5.0	675	--	--
	06/13/02		5.21	--	2.40	-0.50		860	--	--	<2.5	<2.5	<2.5	<5.0	1,470	--	--
	09/06/02		5.77	--	1.84	-0.56		350	--	--	<2.5	<2.5	<2.5	<2.5	690	--	--
	12/13/02		5.65	--	1.96	0.12	h	1,300	--	--	<10	<10	<10	<10	1,800	--	--
	02/19/03		5.07	--	2.54	0.58	i	1,700	--	--	<10	<10	<10	<10	1,600	--	--
	06/06/03		5.27	--	2.34	-0.20		1,000	--	--	<5.0	<5.0	<5.0	<5.0	510	--	--
	08/07/03		5.52	--	2.09	-0.25		510	--	--	<5.0	<5.0	<5.0	<5.0	520	--	--
	11/20/03		5.79	--	1.82	-0.27		330	--	--	<2.5	<2.5	<2.5	<2.5	270	--	--
	04/28/04		5.20	--	2.41	--		<250	--	--	<2.5	<2.5	<2.5	<2.5	71	--	--
	08/26/04		5.65	--	1.96	-0.45		450	--	--	<2.5	<2.5	<2.5	2.8	150	<0.50	--
	12/01/04		5.79	--	1.82	-0.14		100	--	--	<1.0	<1.0	<1.0	<1.0	25	--	--
	02/02/05		4.92	--	2.69	0.87		81	--	--	<0.50	<0.50	<0.50	<0.50	31	--	--
	04/25/05	10.11	4.88	--	5.23	--		67	--	--	<0.50	<0.50	<0.50	0.64	41	--	--
	09/30/05		**5.62**	**--**	**4.49**	**-0.74**	**n**	**58**	**--**	**--**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**18**	**--**	**--**
MW-8	10/12/93	8.60	5.86	--	2.74	--	e	<50	--	--	<0.50	<0.50	<0.50	<0.50	11.1	--	--
	02/15/94		5.50	--	3.10	0.36	e	380	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	3.3
	05/11/94		5.09	--	3.51	0.41	e	330	--	--	<0.50	1.2	<0.50	1.9	<5.0	--	8.5
	08/01/94		5.20	--	3.40	-0.11	e	260	--	--	<0.50	1.2	2.9	5.8	<5.0	--	2.3
	10/18/94		5.70	--	2.90	-0.50	e	82	--	--	<0.50	<0.50	<0.50	<0.50	<5.0	--	6.4
	01/13/95		4.96	--	3.64	0.74		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	6.9
	04/13/95		5.40	--	3.20	-0.44		270	--	--	<0.50	<0.50	<0.50	4.4	--	--	8.4
	07/11/95		6.01	--	2.59	-0.61		320	--	--	<0.50	<0.50	<0.50	3.5	--	--	8.0
	11/02/95		6.81	--	1.79	-0.80		100	--	--	<0.50	<0.50	<0.50	<1.0	<5.0	--	8.7
	02/05/96		6.12	--	2.48	0.69		<50	--	--	<5.0	<10	<10	<10	<100	--	1.5
	04/24/96		6.23	--	2.37	-0.11		<50	--	--	<5.0	<10	<10	<10	<100	--	8.7
	07/15/96		6.70	--	1.90	-0.47		<250	--	--	<2.5	<5.0	<5.0	<5.0	<50	--	8.4

Table 1
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76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-8	07/30/96		6.64	--	1.96	--		--	--	--	--	--	--	--	--	--	--
(cont.)	11/04/96		8.36	--	0.24	-1.66		--	--	--	--	--	--	--	--	--	--
	11/05/96		--	--	--	--		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	7.2
	05/17/97		7.03	--	1.57	--		--	--	--	--	--	--	--	--	--	--
	08/11/97		6.05	--	2.55	0.98		--	--	--	--	--	--	--	--	--	--
	11/17/97		9.14	--	-0.54	-3.09		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	7.7
	01/29/98		7.90	--	0.70	1.24		--	--	--	--	--	--	--	--	--	--
	06/22/98		7.72	--	0.88	0.18		--	--	--	--	--	--	--	--	--	--
	12/30/98			Well Inaccessible													
	03/09/99			Well Inaccessible													
	06/23/99		4.70	--	3.90	--		--	--	--	--	--	--	--	--	--	--
	09/23/99		4.22	--	4.38	0.48		--	--	--	--	--	--	--	--	--	--
	12/28/99		4.12	--	4.48	0.10		--	--	--	--	--	--	--	--	--	--
	03/22/00		4.71	--	3.89	-0.59		--	--	--	--	--	--	--	--	--	--
	05/26/00		4.98	--	3.62	-0.27		--	--	--	--	--	--	--	--	--	--
	09/15/00		4.62	--	3.98	0.36		--	--	--	--	--	--	--	--	--	--
	12/11/00		4.77	--	3.83	-0.15		--	--	--	--	--	--	--	--	--	--
	03/29/01			Well Inaccessible													
	06/27/01		5.11	--	3.49	--		570	--	--	<2.5	<2.5	2.58	<7.5	3.43	--	--
	09/19/01		5.00	--	3.60	0.11		<500	--	--	<5.0	<5.0	<5.0	<15	<5.0	--	--
	12/28/01		4.15	--	4.45	0.85		440	--	--	<0.50	<0.50	0.98	<1.0	6.27	--	--
	03/12/02		4.35	--	4.25	-0.20		330	--	--	<2.5	<2.5	<2.5	<5.0	8.69	--	--
	06/13/02		5.09	--	3.51	-0.74		<500	--	--	<5.0	<5.0	<5.0	<10	16.4	--	--
	09/06/02		5.18	--	3.42	-0.09		98	--	--	<0.50	<0.50	<0.50	<0.50	76	--	--
	12/13/02		4.84	--	3.76	0.34	h	120	--	--	<0.50	<0.50	0.94	0.52	140	--	--
	02/19/03		4.45	--	4.15	0.39	i	<2,500	--	--	<25	<25	<25	<25	800	--	--
	06/06/03		5.00	--	3.60	-0.55		<50,000	--	--	<500	<500	<500	<500	17,000	--	--
	08/07/03		4.84	--	3.76	0.16		<2,500	--	--	<25	<25	<25	<25	2,400	--	--
	11/20/03		4.48	--	4.12	0.36		<2,500	--	--	<25	<25	<25	<25	1,400	--	--
	04/28/04		9.66	--	-1.06	--		730	--	--	<2.5	<2.5	<2.5	<2.5	170	--	--
	08/26/04		4.73	--	3.87	4.93		<2,500	--	--	<25	<25	<25	<25	170	<25	--
	12/01/04		4.80	--	3.80	-0.07		<250	--	--	<2.5	<2.5	<2.5	<2.5	36	--	--

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-8	02/02/05		4.50	--	4.10	0.30		810	--	--	<0.50	<0.50	<0.50	<0.50	41	--	--
(cont.)	04/25/05	11.08	4.99	--	6.09	--		1,400	--	--	<12	<12	<12	<12	32	--	--
	09/30/05		**4.89**	**--**	**6.19**	**0.10**	**m**	**840**	**--**	**--**	**<5.0**	**<5.0**	**<5.0**	**<10**	**17**	**--**	**--**
MW-9	10/12/93	8.08	5.66	0.08	2.36	--		--	--	--	--	--	--	--	--	--	--
	02/15/94		5.32	0.05	2.72	0.36		--	--	--	--	--	--	--	--	--	--
	05/11/94		5.57	--	2.51	-0.21		--	--	--	--	--	--	--	--	--	--
	08/01/94		6.25	--	1.83	-0.68		--	--	--	--	--	--	--	--	--	--
	10/18/94		5.59	0.13	2.39	0.56		--	--	--	--	--	--	--	--	--	--
	01/13/95		4.42	0.14	3.56	1.16		--	--	--	--	--	--	--	--	--	--
	04/13/95		4.06	0.11	3.94	0.38		--	--	--	--	--	--	--	--	--	--
	07/11/95		4.21	0.08	3.81	-0.13		--	--	--	--	--	--	--	--	--	--
	11/02/95		5.22	0.05	2.82	-0.99		--	--	--	--	--	--	--	--	--	--
	02/05/96		4.76	0.01	3.31	0.49		--	--	--	--	--	--	--	--	--	--
	04/24/96		4.62	0.09	3.39	0.08		--	--	--	--	--	--	--	--	--	--
	07/15/96		5.11	0.04	2.94	-0.45		--	--	--	--	--	--	--	--	--	--
	07/30/96		5.15	--	2.93	--		--	--	--	--	--	--	--	--	--	--
	11/04/96		6.75	0.01	1.32	-1.62		--	--	--	--	--	--	--	--	--	--
	05/17/97		--	--	--	--	c	97,000	--	--	16,000	8,200	2,300	--	39,000	--	--
	05/17/97		5.42	--	2.66	--		97,000	--	--	16,000	7,700	2,300	--	40,000	--	7.0
	08/11/97		--	--	--	--	c	100,000	--	--	14,000	360	3,200	5,790	27,000	--	--
	08/11/97		5.37	--	2.71	0.05		71,000	--	--	12,000	340	2,100	4,300	26,000	--	9.1
	11/17/97		--	--	--	--	c	100,000	--	--	24,000	5,300	3,500	--	35,000	--	--
	11/17/97		5.62	Sheen	2.46	-0.25		100,000	--	--	22,000	4,800	3,100	--	32,000	--	8.3
	01/29/98		--	--	--	--	c	250,000	--	--	20,000	--	3,100	--	--	--	--
	01/29/98		4.07	Sheen	4.01	1.55		250,000	--	--	20,000	--	3,100	--	--	--	6.6
	06/22/98		--	--	--	--	c	290,000	--	--	20,000	--	3,800	--	--	--	--
	06/22/98		4.28	--	3.80	-0.21		280,000	--	--	21,000	--	3,800	--	--	--	5.8
	12/30/98		4.95	--	3.13	--		150,000	--	--	10,000	3,800	2,000	9,600	86,000/89,000	--	--
	03/09/99		3.95	--	4.13	1.00		82,000	--	--	6,800	570	1,400	4,700	--	--	--
	06/23/99		5.12	--	2.96	-1.17		41,000	--	--	11,000	820	2,300	5,200	92,000	--	--
	09/23/99		4.74	--	3.34	0.38		57,000	--	--	12,000	5,400	1,900	9,500	89,000	--	--
	12/28/99		4.58	--	3.50	0.16		46,000	--	--	15,000	490	2,500	3,500	--	--	--
	03/22/00		3.90	--	4.18	0.68		86,000	--	--	18,000	1,800	2,300	6,800	--	--	--

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Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
MW-9	05/26/00		4.15	--	3.93	-0.25		82,000	--	--	17,000	680	1,800	3,800	--	--	--
(cont.)	09/06/00		4.47	--	3.61	-0.32		100,000	--	--	19,000	280	2,400	6,400	84,000	--	--
	09/15/00		4.34	--	3.74	--		--	--	--	--	--	--	--	--	--	--
	12/11/00		4.41	--	3.67	0.06		110,000	--	--	14,400	768	2,610	6,670	--	--	--
	03/29/01			Well Inaccessible													
	06/26/01		5.03	0.13	2.95	--	f		Not Sampled Due to the Presence of LPH								
	09/19/01		--	--	--	--			Not Sampled Due to the Presence of LPH								
	12/28/01		3.73	--	4.35	--		110,000	--	--	15,000	1,500	2,280	5,530	60,900	--	--
	03/12/02		4.93	--	3.15	-1.20		88,000	--	--	12,500	2,600	2,800	8,950	44,000	--	--
	06/13/02		4.13	--	3.95	0.80		59,000	--	--	9,870	161	2,560	5,560	35,600	--	--
	09/06/02		4.39	--	3.69	-0.26		47,000	--	--	10,000	<100	2,100	4,600	31,000	--	--
	12/13/02		3.97	--	4.11	0.42	h	57,000	--	--	11,000	1,000	2,300	5,800	28,000	--	--
	02/19/03		3.25	--	4.83	0.72	i	76,000	--	--	10,000	2,100	3,000	8,900	11,000	--	--
	06/06/03		3.94	--	4.14	-0.69		66,000	--	--	9,000	<500	2,500	4,400	17,000	--	--
	08/07/03		3.92	Sheen	4.16	0.02		53,000	--	--	7,600	<250	2,600	4,700	17,000	--	--
	11/20/03		4.89	--	3.19	-0.97		40000	--	--	6,800	<250	860	1,100	16,000	--	--
	04/28/04		3.19	Sheen	4.89	--		47000	--	--	5,600	690	2,300	6,800	8,500	--	--
	08/26/04		3.61	--	4.47	-0.42		35000	--	--	3,700	500	1,300	5,300	6,500	<50	--
	12/01/04		3.99	--	4.09	-0.38		36000	--	--	3,500	<250	1,200	4,300	8,300	--	--
	02/02/05		3.71	Sheen	4.37	0.28		21000	--	--	1,800	130	670	2,000	3,600	--	--
	04/25/05	10.55	3.31	Sheen	7.24	--		5,900	--	--	190	<5.0	120	77	540	--	--
	09/30/05		**4.02**	**--**	**6.53**	**-0.71**	**m**	**26,000**	**--**	**--**	**2,400**	**360**	**1,600**	**4,200**	**2,400**	**--**	**--**
MW-10	04/25/05	12.53	8.37	--	4.16	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	1.5	--	--
	09/30/05		**8.41**	**--**	**4.12**	**-0.04**	**o**	**<50**	**--**	**--**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**1.5**	**--**	**--**
MW-11	04/25/05	14.55	9.29	--	5.26	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50	--	--
	09/30/05		**10.23**	**--**	**4.32**	**-0.94**		**<50**	**--**	**--**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**--**	**--**
QC-2	11/05/92		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	--	--	--
	10/12/93		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	--	--	--
	02/15/94		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	--	--	--
	05/11/94		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	--	--	--
	08/01/94		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	--	--	--

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)
QC-2	10/18/94		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<0.50	--	--	--
(cont.)	01/13/95		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	04/13/95		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	07/11/95		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<1.0	--	--	--
	11/02/95		--	--	--	--		<50	--	--	<0.50	<0.50	<0.50	<1.0	<5.0	--	--
	02/05/96		--	--	--	--		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	--
	04/24/96		--	--	--	--		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	--
	07/16/96		--	--	--	--		<50	--	--	<0.50	<1.0	<1.0	<1.0	<10	--	--
QCTB	**09/30/05**		**--**	**--**	**--**	**--**		**<50**	**--**	**--**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**--**	**--**

Table 1
Groundwater Elevation and Analytical Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	TOC Well Elevation (ft, amsl)[a]	Depth to Water (ft, below TOC)	LPH Thickness (ft)	GWE[b] (ft, amsl)	GWE Change (ft)	Notes	TPHg or GRO (µg/L)	TPHd or DRO (µg/L)	TOG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Xylenes (µg/L)	MtBE (µg/L)	HVOCS (µg/L)	DO (mg/L)

Notes:

amsl	Above mean sea level	QC-2 or QCTB	Travel blank or Quality control trip blank
DO	Dissolved oxygen	TOC	Top of casing
DRO	Diesel range organics	TOG	Total petroleum hydrocarbons as oil and grease
EPA	Environmental Protection Agency	TPHd	Total petroleum hydrocarbons as diesel
ft	Feet	TPHg	Total petroleum hydrocarbons as gasoline
GRO	Gasoline range organics	mg/L	Milligrams per liter
GWE	Groundwater Elevation	µg/L	Micrograms per liter
HVOCs	Halogenated volatile organic compounds	89,000/86,000	Analyzed by EPA Method 8020/8260
LPH	Liquid phase hydrocarbons	--	Not measured, analyzed, or applicable
MtBE	Methyl tertiary butyl ether	<	Not detected at or above the stated laboratory method reporting limit
ND	Non-detectable		

a Top of casing elevations surveyed relative to an established benchmark with an elevation of 8.11 feet amsl.
b Groundwater elevations adjusted assuming a specific gravity of 0.75 for LPH.
c Blind duplicate.
d Depth to water anomalous; groundwater elevation not used in contouring.
e A copy of the documentation for this data can be found in Blaine Tech Services report 010627-Z-1. MtBE data for November 2, 1992 sampling event has been destroyed. No chromatograms could be located for MtBE data from well MW-5, sampled on October 12, 1993.
f Groundwater elevation is an estimate.
g Unable to sample.
h EPA Methods 8015B/8021B used.
i Beginning in the first quarter 2003, TPHg and VOCs analyzed by EPA Method 8260B.
j Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel (DRO).
k HVOC detected was methylene chloride.
l Laboratory indicated the presence of unidentified hydrocarbons based on diesel.
m Reporting limits raised due to the high level of analyte present in the sample.
n The concentration reported reflects individual or discrete unidentified peaks not matching a typical gasoline fuel pattern.
o Siloxane peaks, unrelated to gasoline, found in the sample. If quantified, the concentration would be 59 µg/L.

Between the second quarter 2002 and second quarter 2005, URS Corporation assumed groundwater monitoring activities for the site. The data in this table collected prior to June 2002 was provided to URS by RM and their previous consultants. SECOR took over groundwater monitoring activities beginning third quarter 2005; the historical data prior to the third quarter 2005 has not been verified.

Table 2
Historical Groundwater Gradient Data

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Date Sampled	Approximate Groundwater Flow Direction	Approximate Hydraulic Gradient (ft/ft)
03/29/01	S	0.020
06/27/01	S	0.020
09/19/01	S	0.020
12/28/01	S	0.035
03/12/02	S-SE	0.018
06/13/02	NW-SE	0.007
09/06/02	S	0.010
12/13/02	SE	0.020
02/19/03	W-SW	0.025
06/06/03	E-SW	0.018-0.041
08/07/03	E-SW	0.019-0.038
11/20/03	NW-SE	0.014-0.040
02/05/04	NW-SE	0.020
04/28/04	W-SW	0.023-0.025
08/26/04	S-SW	0.036
12/01/04	NW-SE	0.020
02/02/05	S	0.020
04/25/05	SW	0.020
09/30/05	**SW**	**0.081**

Notes:
--- = Historical quarterly report not available.
ft/ft = Feet per Foot

Table 3

Groundwater Analytical Data - Additional Fuel Oxygenates, 1,2-DCA, and EDB

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes
MW-1	06/06/03	<5,000	<1,000	<25	<25	<25	--	--	
	08/07/03	<1,000	560	<5.0	<5.0	12	<5.0	<5.0	
	11/20/03	1,800[a]	<200	<5.0	<5.0	<5.0	--	--	
	04/28/04	<1,000	950	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/26/04	<500	320	<2.5	<2.5	<2.5	<2.5	<2.5	b
	12/01/04	<1,000	300	<5.0	<5.0	<5.0	<5.0	<5.0	
	02/02/05	<500[b]	6,700	<2.5	<2.5	<2.5	<2.5	<2.5	
	04/25/05	<500	5,000	<2.5	<2.5	<2.5	<2.5	<2.5	
	09/30/05	**<500**	**1,200**	**13**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**e**
MW-2	06/06/03	<200,000	<40,000	<1,000	<1,000	1,300	--	--	
	08/07/03	<100,000	45,000	<500	<500	1,300	<500	<500	
	11/20/03	<20,000	48,000	<100	<100	200	--	--	
	04/28/04	<50,000	59,000	<250	<250	<250	<250	<250	
	08/26/04	23	<10,000	<250	<250	320	<250	<250	b
	12/01/04	<20,000	<4,000	<100	<100	230	<100	<100	
	02/02/05	<20,000[b]	4,000	<100	<100	260	<100	<100	
	04/25/05	<10,000	3,700	<50	<50	220	<50	<50	
	09/30/05	**<5,000**	**4,700**	**<50**	**<50**	**270**	**<50**	**<50**	e
MW-3	06/06/03	<1,000	<200	<5.0	<5.0	16	--	--	
	08/07/03	<1,000	<200	<5.0	<5.0	20	<5.0	<5.0	
	11/20/03	<100	<20	<0.50	<0.50	1.4	--	--	
	04/28/04	<200	<40	<1.0	<1.0	3.9	<1.0	<1.0	
	08/26/04	<5.0	260	<0.50	<0.50	2.0	<0.50	<0.50	b
	12/01/04	<200	610	<1.0	<1.0	<1.0	<1.0	<1.0	
	02/02/05	<200[b]	<40	<1.0	<1.0	1.1	<1.0	<1.0	
	04/25/05	<500[b]	160	<2.5	<2.5	10	<2.5	<2.5	
	09/30/05	**<50**	**270**	**<0.50**	**<0.50**	**0.68**	**<0.50**	**<0.50**	
MW-4	06/06/03	<10,000	2,500	<50	<50	190	--	--	
	08/07/03	<10,000	2,400	<50	<50	160	<50	<50	
	11/20/03	<20,000	<4,000	<100	<100	310	--	--	
	04/28/04	<50,000	15,000	<250	<250	<250	<250	<250	
	08/26/04	<5.0	16,000	<25	<25	60	<25	<25	
	12/01/04	<2,000	19,000	<10	<10	10	<10	<10	
	02/02/05	<1,000[b]	19,000	<5.0	<5.0	10	<5.0	<5.0	
	04/25/05	<1,000	18,000	<5.0	<5.0	<5.0	<5.0	<5.0	
	09/30/05	**<2,500**	**30,000**	**<25**	**<25**	**<25**	**<25**	**<25**	e
MW-5	06/06/03	<1,000	<200	<5.0	<5.0	<5.0	--	--	
	08/07/03	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/20/03	<500	<100	<2.5	<2.5	<2.5	--	--	
	04/28/04	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	
	08/26/04	8.3	<100	<2.5	<2.5	<2.5	<2.5	<2.5	
	12/01/04	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	

Table 3

Groundwater Analytical Data - Additional Fuel Oxygenates, 1,2-DCA, and EDB

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

Well No.	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes
MW-5	02/02/05	<500[b]	<100	<2.5	<2.5	<2.5	<2.5	<2.5	
(cont.)	04/25/05	<500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	
	09/30/05	**<100**	**27**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	e
MW-6	06/06/03	<1,000	<200	<5.0	<5.0	21	--	--	
	08/07/03	<1,000	<200	<5.0	<5.0	20	<5.0	<5.0	
	11/20/03	<100	<20	<0.50	<0.50	12	--	--	
	04/28/04	<500	<100	<2.5	<2.5	12	<2.5	<2.5	
	08/26/04	11	<100	<2.5	<2.5	12	<2.5	<2.5	b
	12/01/04	<500	<100	<2.5	<2.5	11	<2.5	<2.5	
	02/02/05	<100[b]	32	<0.50	<0.50	6.2	<0.50	<0.50	
	04/25/05	<100[b]	45	<0.50	<0.50	6.0	<0.50	<0.50	
	09/30/05	**<200**	**280**	**<2.0**	**<2.0**	**4.4**	**<2.0**	**<2.0**	e
MW-7	06/06/03	<1,000	<200	<5.0	<5.0	41	--	--	
	08/07/03	<1,000	<200	<5.0	<5.0	43	<5.0	<5.0	
	11/20/03	<500	1,300	<2.5	<2.5	8.9	--	--	
	04/28/04	<500	880	<2.5	<2.5	3.5	<2.5	<2.5	
	08/26/04	6.0	4,800	<2.5	<2.5	7.8	<0.50	<0.50	
	12/01/04	<200	1,400	<1.0	<1.0	1.1	<1.0	<1.0	
	02/02/05	<100[b]	830	<0.50	<0.50	1.8	<0.50	<0.50	
	04/25/05	<100[b]	520	<0.50	<0.50	2.1	<0.50	<0.50	
	09/30/05	**<50**	**450**	**<0.50**	**<0.50**	**1.5**	**<0.50**	**<0.50**	
MW-8	06/06/03	<100,000	<20,000	<500	<500	<500	--	--	
	08/07/03	<5,000	<1,000	<25	<25	44	<25	<25	
	11/20/03	<5,000	4,100	<25	<25	<25	--	--	b
	04/28/04	<500	42,000	<2.5	<2.5	<2.5	<2.5	<2.5	c
	08/26/04	<5.0	47,000	<25	<25	<25	<25	<25	
	12/01/04	<500	9,700	<2.5	<2.5	<2.5	<2.5	<2.5	
	02/02/05	<100[b]	<20	<0.50	0.72	0.64	<0.50	<0.50	
	04/25/05	<2,500	45,000	<12	<12	<12	<12	<12	
	09/30/05	**<500**	**8,500**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	e
MW-9	06/06/03	<100,000	<20,000	<500	<500	<500	--	--	
	08/07/03	<50,000	<10,000	<250	<250	350	<250	<250	
	11/20/03	<50,000	12,000	<250	<250	<250	--	--	
	04/28/04	<25,000	<5,000	<120	<120	170	<120	<120	
	08/26/04	13.00	2,600[d]	<50	<50	140	<50	<50	
	12/01/04	<50,000	<10,000	<250	<250	<250	<250	<250	
	02/02/05	<10,000[b]	5,600	<50	<50	88	<50	<50	
	04/25/05	<1,000[b]	1,400	<5.0	<5.0	14	<5.0	<5.0	
	09/30/05	**<2,000**	**520**	**<20**	**<20**	**61**	**<20**	**<20**	e

Table 3

Groundwater Analytical Data - Additional Fuel Oxygenates, 1,2-DCA, and EDB

76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California

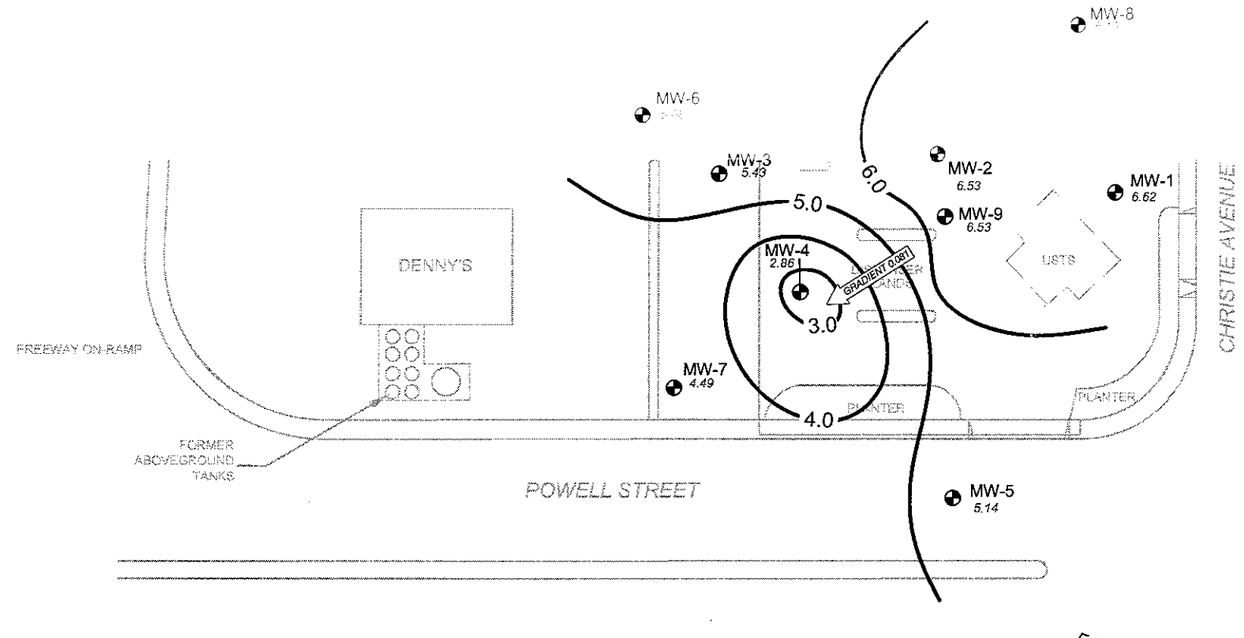
Well No.	Sampling Date	Ethanol (µg/L)	TBA (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Notes
MW-10	04/25/05	<100[b]	<20	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/05	**<50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-11	04/25/05	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/30/05	**<50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	

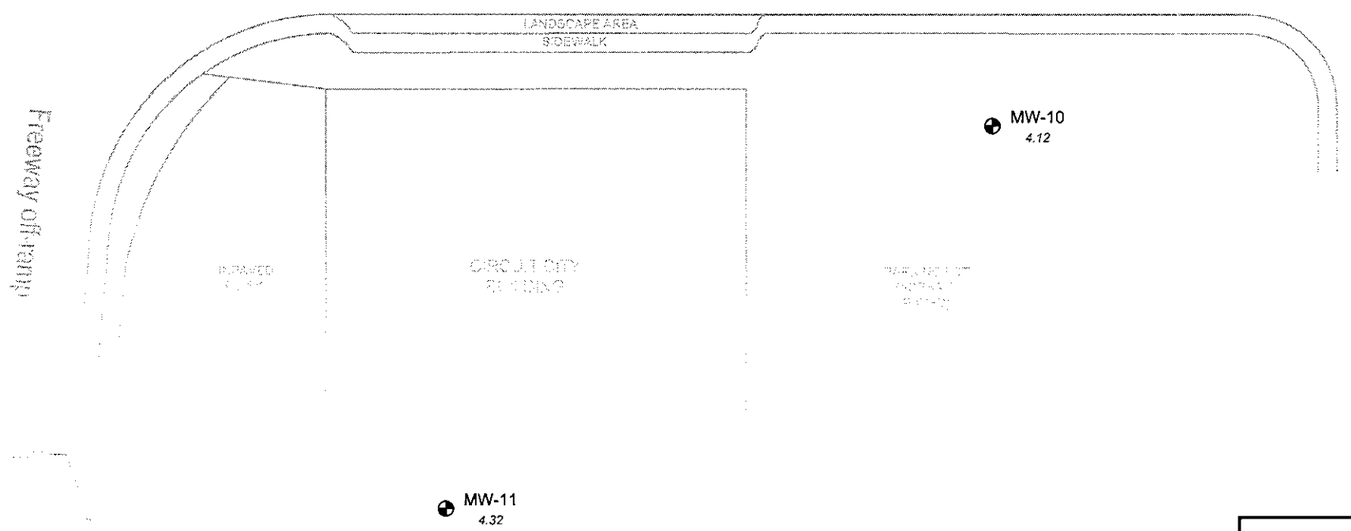
Notes:

DIPE	Di-isopropyl ether
EDB	Ethylene dibromide
EtBE	Ethyl tertiary butyl ether
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
1,2-DCA	1,2-Dichloroethane
µg/L	Micrograms per liter
<	Less than the stated laboratory method reporting limit
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	Reporting limits raised due to high level of analyte present in the sample.

Between the second quarter 2002 and second quarter 2005, URS Corporation assumed groundwater monitoring activities for the site. The data in this table collected prior to June 2002 was provided to URS by RM and their previous consultants. SECOR took over groundwater monitoring activities beginning third quarter 2005; the historical data prior to the third quarter 2005 has not been verified.

FIGURES





LEGEND:

MW-1 GROUNDWATER MONITORING WELL

GRADIENT APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)

0.0 GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)

0.0 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

N

0 50 100

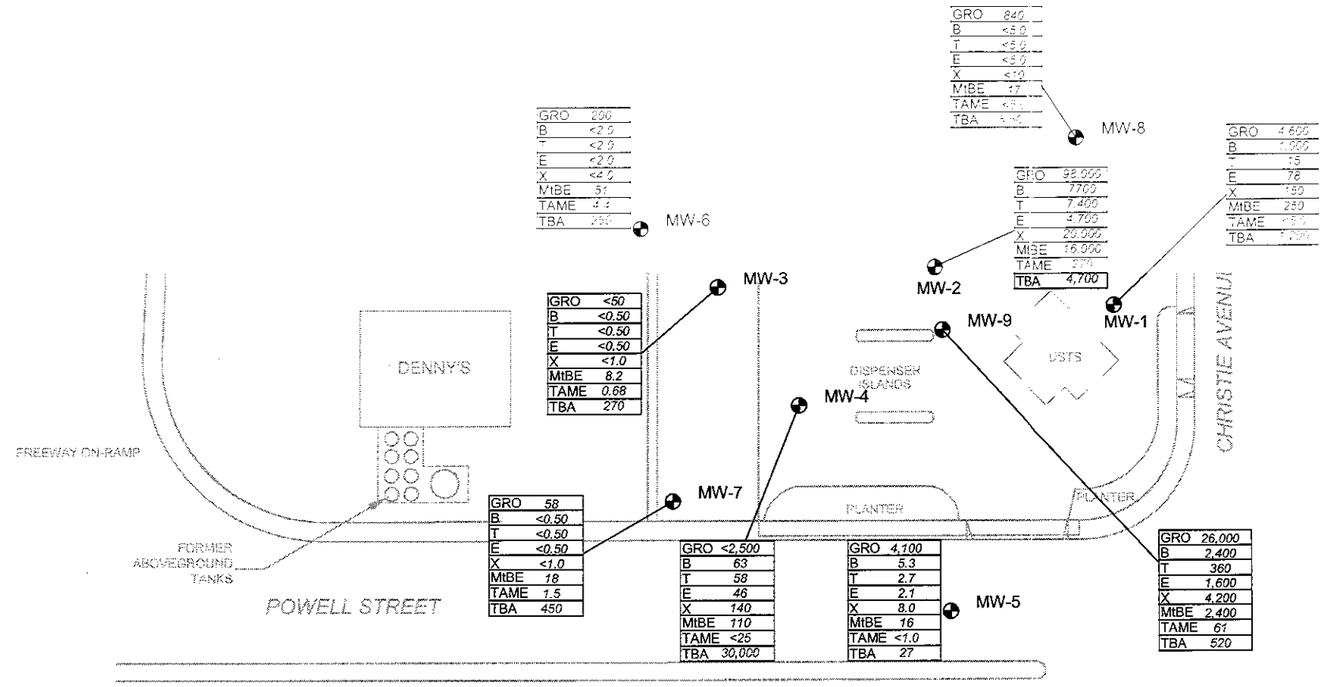
SCALE IN FEET

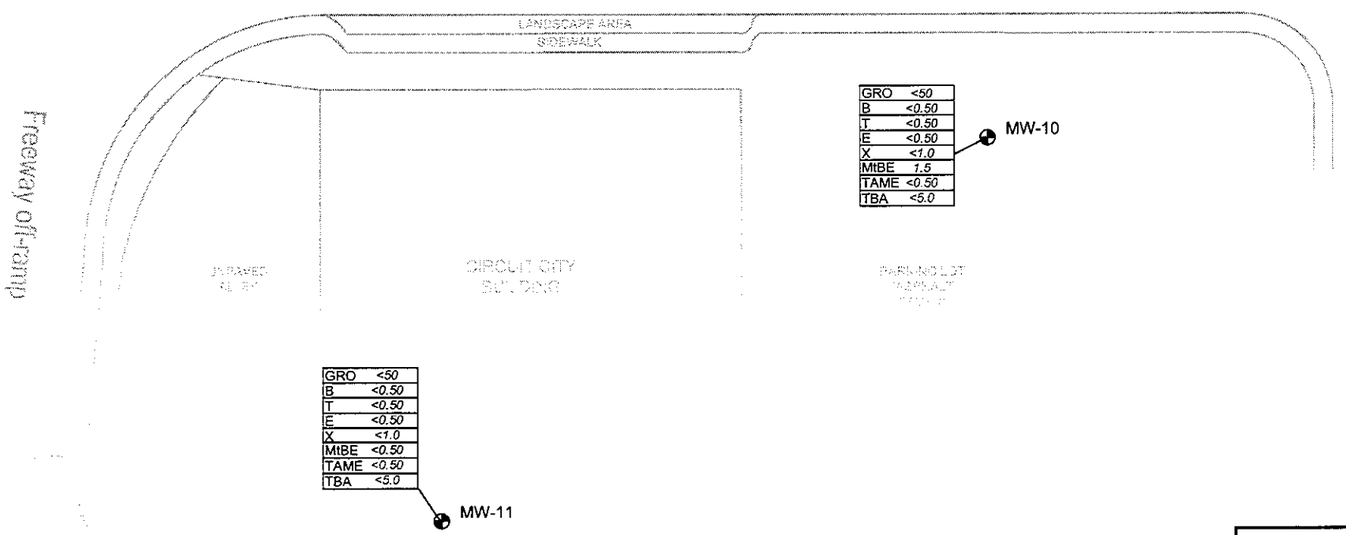
NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES
SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED.

3017 KILGORE ROAD, SUITE 100
RANCHO CORDOVA, CA 95670
PHONE:(916) 861-0400 FAX:(916) 861-0430

FOR:				FIGURE:
76 (FORMER BP) SERVICE STATION NO. 11126 1700 POWELL STREET EMERYVILLE, CALIFORNIA		GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 30, 2005		1
JOB NUMBER: 77CP.11126	DRAWN BY: DWR	CHECKED BY: KF	APPROVED BY: RB	DATE: 11/30/05

Q:\CADD-77\BP-ARCO\11126\AUTOPOSTING\11126-GW ELEV.dwg, 12/16/2005 8:37:10 AM, mramirez





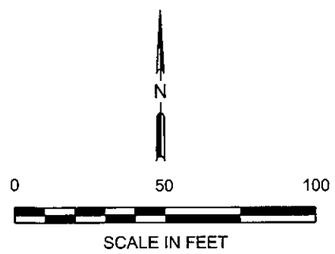
LEGEND:

MW-1 GROUNDWATER MONITORING WELL

CHEMICAL ANALYTICAL RESULTS:

ANALYTES:

GRO —— GASOLINE RANGE ORGANICS
BTEX —— BENZENE, TOLUENE, ETHYLBENZENE, XYLENE
MtBE —— METHYL TERTIARY BUTYL ETHER
TAME —— TERTIARY AMYL METHYL ETHER
TBA —— TERT-BUTANOL
µg/L MICROGRAMS PER LITER
< LESS THAN STATED LABORATORY METHOD DETECTION LIMIT



NOTE SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES
SITE DIMENSIONS AND FIGURES FACILITY LOCATIONS NOT VERIFIED

SECOR
3017 KILGORE ROAD, SUITE 100
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FOR:
76 (FORMER BP)
SERVICE STATION NO. 11126
1700 POWELL STREET
EMERYVILLE, CALIFORNIA

GROUNDWATER CHEMICAL CONCENTRATION MAP
SEPTEMBER 30, 2005

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
77CP.11126	DWR	KF	RB	11/30/05

Q:\CADD-77\BP-ARCO\11126\AUTOPOSTING\11126-GW CONC.dwg, 12/15/2005 2:29:14 PM, mramirez

SECOR INTERNATIONAL INCORPORATED

STANDARD PROCEDURE FOR EQUIPMENT DECONTAMINATION

Equipment that could potentially contact subsurface media and compromise the integrity of the samples is carefully decontaminated prior to sampling. Samplers, groundwater pumps, liners and other equipment are decontaminated in an Alconox scrub solution and double rinsed in clean tap water rinse followed by a final distilled water rinse.

Waste water generated during decontamination of equipment is pumped into a SECOR truck-mounted water tank. The water is then transferred into 55-gallon, steel, Department of Transportation (DOT)-approved drums that are temporarily stored on-site. The waste water is removed from the site by FRS, and transported to their facility for recycling/disposal.

SECOR INTERNATIONAL INCORPORATED

STANDARD PROCEDURE FOR GROUNDWATER SAMPLING

Depth to Groundwater/LPH Thickness Measurements

Prior to purging each of the wells, the depth to groundwater and thickness of liquid phase hydrocarbons (LPH), if present, within each well casing is measured to the nearest 0.01 foot using either an electronic Solinst water level indicator or an electronic oil-water interface probe. Measurements are taken from a point of known elevation on the top of each well casing as determined in accordance with previous surveys.

Groundwater Monitoring Well Purging

Where purging is conducted prior to sampling wells that do not contain LPH, a dedicated 1-inch diameter polyvinyl chloride (PVC) "stinger," bailer, or groundwater pump may be used to purge the wells. During purging a minimum of three well volumes, measured as the annular space of the well casing below the groundwater surface, are removed from each well. However, in the case of very slow recharging wells, purging is deemed sufficient if the well contents are evacuated during purge operations. Unless recharge takes more than two hours, wells are sampled once the well is recharged to within 80 percent of pre-purge groundwater elevation. For very slow recharging wells (wells pumped dry during purging), samples may be collected after two hours of recharge.

To help assure that the collected samples are representative of fresh formation water, the conductivity, temperature, and pH of the delivered effluent are monitored and recorded using a Cambridge Hydac meter, or another meter similar in nature during purge operations. Purge operations are determined to be sufficient once successive measurements of pH, conductivity, and temperature stabilize to within +/- 10 percent.

Groundwater Sample Acquisition and Handling

Following purging operations, groundwater samples are collected from each of the wells, using pre-cleaned, single-sample polypropylene, disposable bailers. The groundwater sample is discharged from the bailer to the sample container through a bottom emptying flow control valve to minimize volatilization.

Collected water samples are discharged directly into laboratory provided, pre-cleaned, 40 milliliter (ml) glass vials and sealed with Teflon-lined septum, screw-on lids. Labels documenting sample number, well identification, collection date and time, type of sample and type of preservative (if applicable) are affixed to each sample. The samples are then placed into an ice-filled cooler for delivery under chain-of-custody to a laboratory certified by the State of California Department of Health Services Environmental Laboratory Accreditation Programs to perform the specified tests.

Trip Blanks

To help assure the quality of the collected samples and to evaluate the potential for cross contamination during transport to the laboratory, a distilled-water trip blank accompanies the samples in the cooler. The trip blank is analyzed for the presence of volatile organic compounds of concern. For petroleum hydrocarbons, the trip blank is typically analyzed for GRO, BTEX, and MtBE by EPA Method 8260B.

Containment and Disposal of Waste Water

Waste water generated during decontamination of equipment and purging is pumped into a SECOR truck-mounted water tank. The purge water is then transferred into 55-gallon, steel, DOT-approved drums that are temporarily stored on-site. The waste water is removed from the site by FRS, and transported to their facility for recycling/disposal.

Related Procedures:

- *Standard Procedure for Equipment Decontamination*

ATTACHMENT 2
GROUNDWATER SAMPLING FIELD DATA SHEETS, CERTIFIED LABORATORY ANALYTICAL REPORT, AND CHAIN-OF-CUSTODY DOCUMENTATION

Quarterly Groundwater Monitoring Report - Third Quarter 2005
76 (Former BP) Service Station No. 11126
1700 Powell Street
Emeryville, California
SECOR Project Nos.: 77CP.60126.01.0003/
77BP.50126.00.0436

SECOR International Incorporated

HYDROLOGIC DATA SHEET

Gauge Date: 9/30/05 **Project Name:** *76 Former BP 11126*

Field Technician: *Adrian Anguillara* **Project Number:** *77CP.60126.01.0001*

TOC = Top of Well Casing Elevation
DTP = Depth to Free Product (FP or NAPH) Below TOC
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC
DIA = Well Casing Diameter
ELEV = Groundwater Elevation
DUP = Duplicate

WELL OR LOCATION	TIME	MEASUREMENT						PURGE & SAMPLE	SHEEN CONFIRMATION	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV	3Q05	(w/bailer)	
MW-1	0823	10.16		3.54	12	2.0		Yes		
MW-2	0835	11.39		4.86	12	2.0		Yes		
MW-3	0810	10.73		5.30	12	2.0		Yes		
MW-4	0813	10.58		7.72	11?	2.0		Yes		
MW-5	0801	10.18		5.04	13.5	2.0		Yes		
MW-6	0817	11.01		5.93	14	2.0		Yes		
MW-7	0820	10.11		5.62	14	2.0		Yes		
MW-8	0831	11.08		4.89	14	2.0		Yes		
MW-9	0827	10.55		4.02	14	4.0		Yes		
MW-10	0806	12.53		8.41	17	2.0		Yes		
MW-11	0804	14.55		10.23	17	2.0		Yes		

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: ~~MW-1~~ MW-1

CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-1

LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: No

DATE PURGED 9/30/05 | START (2400hr) 1553 | END (2400hr) 1605

DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1615

SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ | 3" ____ | 4" ____ | 5" ____ | 6" ____ | 8" ____ | Other ____

Casing Volume: (gallons per foot) (0.17) | (0.38) | (0.67) | (1.02) | (1.50) | (2.60) | ( )

DEPTH TO BOTTOM (feet) = 12.00 | CASING VOLUME (gal) = 1.40

DEPTH TO WATER (feet) = 3.54 | CALCULATED PURGE (gal) = 4.20

WATER COLUMN HEIGHT (feet) = 8.46 | ACTUAL PURGE (gal) = 4.20

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1558	1.40	21.7 °C	349	6.86	Clear	Low
✓	1602	2.80	21.6 °C	190.6	6.69	"	"
	1605	4.20	21.6 °C	294	6.81	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.80 | SAMPLE TURBIDITY: Low

80% RECHARGE: ___ YES ___ NO | ANALYSES: See Work Order

ODOR: Yes | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: Adrian Anguillara

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-2
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-2
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: No

DATE PURGED 9/30/05 | START (2400hr) 1702 | END (2400hr) 1715
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1720
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )
Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 12.00 | CASING VOLUME (gal) = 1.20
DEPTH TO WATER (feet) = 4.86 | CALCULATED PURGE (gal) = 3.60
WATER COLUMN HEIGHT (feet) = 7.14 | ACTUAL PURGE (gal) = 3.60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1706	1.20	21.9°C	144.5	7.01	Gray	med
↓	1712	2.40	21.7°C	143.0	7.05	Gray	High
✓	1715	3.60	21.6°C	135.9	[illegible]	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ✓ 5.08 | SAMPLE TURBIDITY: High

80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order

ODOR: Yes | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-3

CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-3

LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: No

DATE PURGED 9/30/05 | START (2400hr) 1350 | END (2400hr) 1406

DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1415

SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 12.00 | CASING VOLUME (gal) = 1.10

DEPTH TO WATER (feet) = 5.30 | CALCULATED PURGE (gal) = 3.30

WATER COLUMN HEIGHT (feet) = 6.70 | ACTUAL PURGE (gal) = 3.30

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1358	1.10	21.5°C	177.1	6.86	Clear	Low
✓	1402	2.20	21.2°C	175.8	6.74	L. Grey	Med
✓	1406	3.30	21.2°C	175.1	6.77	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.40 | SAMPLE TURBIDITY: Med - Low

80% RECHARGE: ___ YES ___ NO | ANALYSES: See Work Order

ODOR: Yes | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____

Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-4
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-4
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: MS

DATE PURGED 9/30/05 | START (2400hr) 0938 | END (2400hr) 0940
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 0944
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )
Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 11 | CASING VOLUME (gal) = 0.55
DEPTH TO WATER (feet) = 7.72 | CALCULATED PURGE (gal) = 1.67
WATER COLUMN HEIGHT (feet) = 3.28 | ACTUAL PURGE (gal) = 1.67

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	~~0935~~ 0938	0.55	19.3 °C	665	6.85	Clear	Low
✓	~~0940~~ 0940	1.10	19.4°C	708	6.85	"	"
	~~0942~~ 0942	1.67	19.4°C	710	6.85	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ | SAMPLE TURBIDITY: ____

80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order

ODOR: yes | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-5
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-5
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: NO

DATE PURGED 9/30/05 | START (2400hr) 1000 | END (2400hr) 1018
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1012
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )
Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 13.50 | CASING VOLUME (gal) = 1.41
DEPTH TO WATER (feet) = 5.04 | CALCULATED PURGE (gal) = 4.31
WATER COLUMN HEIGHT (feet) = 8.46 | ACTUAL PURGE (gal) = 4.31

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1005	1.40	[illegible]	364	[illegible]	Grey	High
↓	1008	3.80	20.0°C	[illegible] 315	[illegible]	↓	↓
✓	1012	4.30	23.6°C	325	[illegible]		

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: ____ | SAMPLE TURBIDITY: ____

80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order
ODOR: No | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

- ✓ Bladder Pump
- ___ Centrifugal Pump
- ___ Submersible Pump
- ___ Peristaltic Pump
- ___ Bailer (Teflon)
- ___ Bailer (PVC)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ____

Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

- ✓ Bladder Pump
- ___ Centrifugal Pump
- ___ Submersible Pump
- ___ Peristaltic Pump
- ___ Bailer (Teflon)
- ___ Bailer (___ PVC or ___ disposable)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ____

Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-6
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-6
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES:

DATE PURGED 9/30/05 | START (2400hr) 1510 | END (2400hr) 1522
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1530
SAMPLE TYPE: Groundwater X | Surface Water ___ | Treatment Effluent ___ | Other ___

CASING DIAMETER: 2" ✓ | 3" ___ | 4" ___ | 5" ___ | 6" ___ | 8" ___ | Other ___ ( )
Casing Volume: (gallons per foot) (0.17) | (0.38) | (0.67) | (1.02) | (1.50) | (2.60)

DEPTH TO BOTTOM (feet) = 14.00
DEPTH TO WATER (feet) = 5.93
WATER COLUMN HEIGHT (feet) = 8.07

CASING VOLUME (gal) = 1.30
CALCULATED PURGE (gal) = 4.10
ACTUAL PURGE (gal) = 4.10

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1516	1.30	24.90c	4147	7.01	Clear	Low
✓	1519	2.60	24.70c	435	6.98	"	"
	1527	4.10	24.5 tc	405	6.96	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 6.10 | SAMPLE TURBIDITY: med
80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order
ODOR: YES | SAMPLE VESSEL / PRESERVATIVE: ___

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated
Other: ___
Pump Depth: ___

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated
Other: ___

WELL INTEGRITY: Good | LOCK#: YES

REMARKS: ___

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-7
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-7
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: No

DATE PURGED 9/30/05 | START (2400hr) 0846 | END (2400hr) 0906
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 0910
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ | 3" ____ | 4" ____ | 5" ____ | 6" ____ | 8" ____ | Other ____
Casing Volume: (gallons per foot) (0.17) | (0.38) | (0.67) | (1.02) | (1.50) | (2.60) | ( )

DEPTH TO BOTTOM (feet) = 14.00 | CASING VOLUME (gal) = 1.42
DEPTH TO WATER (feet) = 5.62 | CALCULATED PURGE (gal) = 4.27
WATER COLUMN HEIGHT (feet) = 8.38 | ACTUAL PURGE (gal) = 4.27

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	0850	1.42	23.9°C	734	7.14	Clear	Low
↓	0857	2.84	24.6°C	680	[illegible]	"	"
✓	0906	4.27	23.8°C	670	7.02	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 6.12 | SAMPLE TURBIDITY: Low

80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order
ODOR: No | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristalic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-8
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-8
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: NO

DATE PURGED 9/30/05 | START (2400hr) 1629 | END (2400hr) 1643
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1745
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ | 3" ____ | 4" ____ | 5" ____ | 6" ____ | 8" ____ | Other ____
Casing Volume: (gallons per foot) (0.17) | (0.38) | (0.67) | (1.02) | (1.50) | (2.60) | ( )

DEPTH TO BOTTOM (feet) = 14.00
DEPTH TO WATER (feet) = 4.89
WATER COLUMN HEIGHT (feet) = 9.11
CASING VOLUME (gal) = 1.50
CALCULATED PURGE (gal) = 4.60
ACTUAL PURGE (gal) = 4.60

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	~~1636~~	1.50	~~24.7~~	190.5	7.10	Clear	Low
✓	1639	3.00	23.9	185.5	7.04	"	"
	1643	4.60	24.0	185.3	~~7.07~~	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 6.20 | SAMPLE TURBIDITY: Low
80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order
ODOR: Slight | SAMPLE VESSEL / PRESERVATIVE: ____

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____

WELL INTEGRITY: Good | LOCK#: Yes
REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-9

CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-9

LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES:

DATE PURGED 9/30/05 | START (2400hr) 1030 | END (2400hr) 1113

DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1725

SAMPLE TYPE: Groundwater X | Surface Water ___ | Treatment Effluent ___ | Other ___

CASING DIAMETER: 2" ___ (0.17) | 3" ___ (0.38) | 4" √ (0.67) | 5" ___ (1.02) | 6" ___ (1.50) | 8" ___ (2.60) | Other ___ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 14 | CASING VOLUME (gal) = 6.68

DEPTH TO WATER (feet) = 4.02 | CALCULATED PURGE (gal) = 20.00

WATER COLUMN HEIGHT (feet) = 9.98 | ACTUAL PURGE (gal) = 19.00

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1106	6.68	20.0C	360	6.80	Lt Brown	Mod
√	1113	13.36	20.0C	363	6.83	"	"
		20.00					
		Well	Dry C	H	gal		

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 4.50 | SAMPLE TURBIDITY: Low

80% RECHARGE: √ YES ___ NO | ANALYSES: See Work Order

ODOR: Slight | SAMPLE VESSEL / PRESERVATIVE: ___

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Bladder Pump	√ Bailer (Teflon)	___ Bladder Pump	√ Bailer (Teflon)
___ Centrifugal Pump	___ Bailer (PVC)	___ Centrifugal Pump	___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristaltic Pump	___ Dedicated ___	___ Peristaltic Pump	___ Dedicated ___
Other: ___		Other: ___	
Pump Depth: ___			

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ___

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-10
CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-10
LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: No

DATE PURGED 9/30/05 | START (2400hr) 1248 | END (2400hr) 1306
DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1310
SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )
Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 17.00 | CASING VOLUME (gal) = 1.46
DEPTH TO WATER (feet) = 8.41 | CALCULATED PURGE (gal) = 4.38
WATER COLUMN HEIGHT (feet) = 8.59 | ACTUAL PURGE (gal) = 4.38

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1255	1.46	22.0°C	408	6.88	Grey	High
✓	1301	2.92	22.0°C	413	6.87	"	"
✓	1306	4.38	21.9°C	405	6.84	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 8.63 | SAMPLE TURBIDITY: Yes

80% RECHARGE: ___ YES ___ NO | ANALYSES: See Work Order
ODOR: No | SAMPLE VESSEL / PRESERVATIVE: HCL

PURGING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (PVC)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____
Pump Depth: ____

SAMPLING EQUIPMENT

___ Bladder Pump
___ Centrifugal Pump
___ Submersible Pump
___ Peristaltic Pump
✓ Bailer (Teflon)
___ Bailer (___ PVC or ___ disposable)
___ Bailer (Stainless Steel)
___ Dedicated ____
Other: ____

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: [signature]

SECOR International Inc.

WATER SAMPLE FIELD DATA SHEET

PROJECT #: See Work Order | PURGED BY: Adrian Anguillara | WELL I.D.: MW-11

CLIENT NAME: 76 (Former BP) #11126 | SAMPLED BY: Adrian Anguillara | SAMPLE I.D.: MW-11

LOCATION: 1700 Powell St., Emeryville CA | QA SAMPLES: No

DATE PURGED 9/30/05 | START (2400hr) 1205 | END (2400hr) 1221

DATE SAMPLED 9/30/05 | SAMPLE TIME (2400hr) 1228

SAMPLE TYPE: Groundwater X | Surface Water ____ | Treatment Effluent ____ | Other ____

CASING DIAMETER: 2" ✓ (0.17) | 3" ____ (0.38) | 4" ____ (0.67) | 5" ____ (1.02) | 6" ____ (1.50) | 8" ____ (2.60) | Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 17.00 | CASING VOLUME (gal) = 1.15

DEPTH TO WATER (feet) = 10.23 | CALCULATED PURGE (gal) = 3.45

WATER COLUMN HEIGHT (feet) = 6.77 | ACTUAL PURGE (gal) = 3.45

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
9/30/05	1213	1.15	20.3 °C	~~1700~~ 1700	6.94	Grey	High
✓	1218	2.30	20.4 °C	1670	6.98	"	"
✓	1221	3.45	~~20.6 °C~~	1674	6.95	"	"

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 10.67 | SAMPLE TURBIDITY: High

80% RECHARGE: ✓ YES ___ NO | ANALYSES: See Work Order

ODOR: No | SAMPLE VESSEL / PRESERVATIVE: HCl

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
___ Bladder Pump	✓ Bailer (Teflon)	___ Bladder Pump	✓ Bailer (Teflon)
___ Centrifugal Pump	___ Bailer (PVC)	___ Centrifugal Pump	___ Bailer (___ PVC or ___ disposable)
___ Submersible Pump	___ Bailer (Stainless Steel)	___ Submersible Pump	___ Bailer (Stainless Steel)
___ Peristalic Pump	___ Dedicated ____	___ Peristalic Pump	___ Dedicated ____
Other: ____		Other: ____	
Pump Depth: ____			

WELL INTEGRITY: Good | LOCK#: Yes

REMARKS: ____

SIGNATURE: Adrian Anguillara

SEVERN TRENT STL

Submission#: 2005-10-0059

SECOR-Sacramento

October 25, 2005

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Krissy Flesoras

Project#: 77CP.60126.01.0001
Project: Conoco Philips Site #11126
Site: 1700 Powell Ave., Emeryville, CA

Attached is our report for your samples received on 10/05/2005 15:10
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/19/2005 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,

Afsaneh Salimpour
Project Manager

SEVERN TRENT STL

Submission: 2005-10-0059

Oil & Grease (Total) by EPA 1664A

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	09/30/2005 14:15	Water	3

Oil & Grease (Total) by EPA 1664A

SECOR-Sacramento

Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 1664A
Sample ID: **MW-3**
Sampled: 09/30/2005 14:15
Matrix: Water

Test(s): 1664A
Lab ID: 2005-10-0059 - 3
Extracted: 10/10/2005 12:28
QC Batch#: 2005/10/10-02.23

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Oil & Grease (total)	ND	2.0	mg/L	1.00	10/11/2005 15:15	

Oil & Grease (Total) by EPA 1664A

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 1664A
Method Blank
MB: 2005/10/10-02.23-001

Water

Test(s): 1664A
QC Batch # 2005/10/10-02.23
Date Extracted: 10/10/2005 12:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Oil & Grease (total)	ND	2	mg/L	10/11/2005 15:15	

Oil & Grease (Total) by EPA 1664A

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 1664A

Test(s): 1664A

Laboratory Control Spike **Water** **QC Batch # 2005/10/10-02.23**

LCS 2005/10/10-02.23-002 Extracted: 10/10/2005 Analyzed: 10/11/2005 15:15
LCSD 2005/10/10-02.23-003 Extracted: 10/10/2005 Analyzed: 10/11/2005 15:15

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Oil & Grease (total)	36.4	34.7	40.0	91.0	86.8	4.7	79-114	18		

SEVERN TRENT STL

Submission: 2005-10-0059

Diesel

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	09/30/2005 14:15	Water	3

Diesel

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 3510/8015M
Sample ID: **MW-3**
Sampled: 09/30/2005 14:15
Matrix: Water

Test(s): 8015M
Lab ID: 2005-10-0059 - 3
Extracted: 10/12/2005 09:37
QC Batch#: 2005/10/12-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	300	50	ug/L	1.00	10/12/2005 18:11	Q2
Surrogate(s)						
o-Terphenyl	74.8	60-130	%	1.00	10/12/2005 18:11	

Diesel

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 3510/8015M
Method Blank DIESEL, DRO
MB: 2005/10/12-04.10-001

Water

Test(s): 8015M
QC Batch # 2005/10/12-04.10
Date Extracted: 10/12/2005 09:37

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/12/2005 17:44	
Surrogates(s)					
o-Terphenyl	76.4	60-130	%	10/12/2005 17:44	

Diesel

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 3510/8015M

Test(s): 8015M

Laboratory Control Spike DIESEL, DRO **Water** **QC Batch # 2005/10/12-04.10**

LCS 2005/10/12-04.10-002 Extracted: 10/12/2005 Analyzed: 10/12/2005 15:27
LCSD 2005/10/12-04.10-003 Extracted: 10/12/2005 Analyzed: 10/12/2005 15:54

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	742	725	1000	74.2	72.5	2.3	60-130	25		
Surrogates(s)										
o-Terphenyl	16.5	16.2	20.0	82.7	81.1		60-130	0		

Diesel

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Legend and Notes

Result Flag

Q2

Quantit. of unknown hydrocarbon(s) in sample based on diesel.

SEVERN TRENT STL

Submission: 2005-10-0059

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/30/2005 16:15	Water	1
MW-2	09/30/2005 17:20	Water	2
MW-3	09/30/2005 14:15	Water	3
MW-4	09/30/2005 09:44	Water	4
MW-5	09/30/2005 10:12	Water	5
MW-6	09/30/2005 15:30	Water	6
MW-7	09/30/2005 09:10	Water	7
MW-8	09/30/2005 17:45	Water	8
MW-10	09/30/2005 13:10	Water	9
MW-11	09/30/2005 12:28	Water	10
QCTB	09/30/2005	Water	11
MW-9	09/30/2005 17:35	Water	12

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Test(s): 8260B

Sample ID: **MW-1**
Lab ID: 2005-10-0059 - 1

Sampled: 09/30/2005 16:15
Extracted: 10/11/2005 23:26

Matrix: Water
QC Batch#: 2005/10/11-2B.69

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	4600	500	ug/L	10.00	10/11/2005 23:26	
Benzene	1000	5.0	ug/L	10.00	10/11/2005 23:26	
Toluene	15	5.0	ug/L	10.00	10/11/2005 23:26	
Ethylbenzene	78	5.0	ug/L	10.00	10/11/2005 23:26	
Total xylenes	150	10	ug/L	10.00	10/11/2005 23:26	
tert-Butyl alcohol (TBA)	1200	50	ug/L	10.00	10/11/2005 23:26	
Methyl tert-butyl ether (MTBE)	250	5.0	ug/L	10.00	10/11/2005 23:26	
Di-isopropyl Ether (DIPE)	13	5.0	ug/L	10.00	10/11/2005 23:26	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/L	10.00	10/11/2005 23:26	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/L	10.00	10/11/2005 23:26	
1,2-DCA	ND	5.0	ug/L	10.00	10/11/2005 23:26	
EDB	ND	5.0	ug/L	10.00	10/11/2005 23:26	
Ethanol	ND	500	ug/L	10.00	10/11/2005 23:26	
Surrogate(s)						
1,2-Dichloroethane-d4	98.2	73-130	%	10.00	10/11/2005 23:26	
Toluene-d8	95.2	81-114	%	10.00	10/11/2005 23:26	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-2**
Sampled: 09/30/2005 17:20
Matrix: Water

Test(s): 8260B
Lab ID: 2005-10-0059 - 2
Extracted: 10/12/2005 22:15
QC Batch#: 2005/10/12-2A.69

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	98000	5000	ug/L	100.00	10/12/2005 22:15	
Benzene	7700	50	ug/L	100.00	10/12/2005 22:15	
Toluene	7400	50	ug/L	100.00	10/12/2005 22:15	
Ethylbenzene	4700	50	ug/L	100.00	10/12/2005 22:15	
Total xylenes	20000	100	ug/L	100.00	10/12/2005 22:15	
tert-Butyl alcohol (TBA)	4700	500	ug/L	100.00	10/12/2005 22:15	
Methyl tert-butyl ether (MTBE)	16000	50	ug/L	100.00	10/12/2005 22:15	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	100.00	10/12/2005 22:15	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	100.00	10/12/2005 22:15	
tert-Amyl methyl ether (TAME)	270	50	ug/L	100.00	10/12/2005 22:15	
1,2-DCA	ND	50	ug/L	100.00	10/12/2005 22:15	
EDB	ND	50	ug/L	100.00	10/12/2005 22:15	
Ethanol	ND	5000	ug/L	100.00	10/12/2005 22:15	
Surrogate(s)						
1,2-Dichloroethane-d4	95.2	73-130	%	100.00	10/12/2005 22:15	
Toluene-d8	95.8	81-114	%	100.00	10/12/2005 22:15	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-3**
Sampled: 09/30/2005 14:15
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0059 - 3
Extracted: 10/11/2005 23:47
QC Batch#: 2005/10/11-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	10/11/2005 23:47	
Benzene	ND	0.50	ug/L	1.00	10/11/2005 23:47	
Toluene	ND	0.50	ug/L	1.00	10/11/2005 23:47	
Ethylbenzene	ND	0.50	ug/L	1.00	10/11/2005 23:47	
Total xylenes	ND	1.0	ug/L	1.00	10/11/2005 23:47	
tert-Butyl alcohol (TBA)	270	5.0	ug/L	1.00	10/11/2005 23:47	
Methyl tert-butyl ether (MTBE)	8.2	0.50	ug/L	1.00	10/11/2005 23:47	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	10/11/2005 23:47	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/11/2005 23:47	
tert-Amyl methyl ether (TAME)	0.68	0.50	ug/L	1.00	10/11/2005 23:47	
1,2-DCA	ND	0.50	ug/L	1.00	10/11/2005 23:47	
EDB	ND	0.50	ug/L	1.00	10/11/2005 23:47	
Ethanol	ND	50	ug/L	1.00	10/11/2005 23:47	
Surrogate(s)						
1,2-Dichloroethane-d4	94.4	73-130	%	1.00	10/11/2005 23:47	
Toluene-d8	96.7	81-114	%	1.00	10/11/2005 23:47	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-4**
Sampled: 09/30/2005 09:44
Matrix: Water

Test(s): 8260B
Lab ID: 2005-10-0059 - 4
Extracted: 10/13/2005 01:21
QC Batch#: 2005/10/12-2B.64

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	2500	ug/L	50.00	10/13/2005 01:21	
Benzene	63	25	ug/L	50.00	10/13/2005 01:21	
Toluene	58	25	ug/L	50.00	10/13/2005 01:21	
Ethylbenzene	46	25	ug/L	50.00	10/13/2005 01:21	
Total xylenes	140	50	ug/L	50.00	10/13/2005 01:21	
tert-Butyl alcohol (TBA)	30000	250	ug/L	50.00	10/13/2005 01:21	
Methyl tert-butyl ether (MTBE)	110	25	ug/L	50.00	10/13/2005 01:21	
Di-isopropyl Ether (DIPE)	ND	25	ug/L	50.00	10/13/2005 01:21	
Ethyl tert-butyl ether (ETBE)	ND	25	ug/L	50.00	10/13/2005 01:21	
tert-Amyl methyl ether (TAME)	ND	25	ug/L	50.00	10/13/2005 01:21	
1,2-DCA	ND	25	ug/L	50.00	10/13/2005 01:21	
EDB	ND	25	ug/L	50.00	10/13/2005 01:21	
Ethanol	ND	2500	ug/L	50.00	10/13/2005 01:21	
Surrogate(s)						
1,2-Dichloroethane-d4	110.7	73-130	%	50.00	10/13/2005 01:21	
Toluene-d8	107.8	81-114	%	50.00	10/13/2005 01:21	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Test(s): 8260B

Sample ID: **MW-5**
Lab ID: 2005-10-0059 - 5

Sampled: 09/30/2005 10:12
Extracted: 10/14/2005 05:05

Matrix: Water
QC Batch#: 2005/10/13-2A.65

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	4100	100	ug/L	2.00	10/14/2005 05:05	
Benzene	5.3	1.0	ug/L	2.00	10/14/2005 05:05	
Toluene	2.7	1.0	ug/L	2.00	10/14/2005 05:05	
Ethylbenzene	2.1	1.0	ug/L	2.00	10/14/2005 05:05	
Total xylenes	8.0	2.0	ug/L	2.00	10/14/2005 05:05	
tert-Butyl alcohol (TBA)	27	10	ug/L	2.00	10/14/2005 05:05	
Methyl tert-butyl ether (MTBE)	16	1.0	ug/L	2.00	10/14/2005 05:05	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	2.00	10/14/2005 05:05	
Ethyl tert-butyl ether (ETBE)	ND	1.0	ug/L	2.00	10/14/2005 05:05	
tert-Amyl methyl ether (TAME)	ND	1.0	ug/L	2.00	10/14/2005 05:05	
1,2-DCA	ND	1.0	ug/L	2.00	10/14/2005 05:05	
EDB	ND	1.0	ug/L	2.00	10/14/2005 05:05	
Ethanol	ND	100	ug/L	2.00	10/14/2005 05:05	
Surrogate(s)						
1,2-Dichloroethane-d4	89.4	73-130	%	2.00	10/14/2005 05:05	
Toluene-d8	90.2	81-114	%	2.00	10/14/2005 05:05	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-6**
Sampled: 09/30/2005 15:30
Matrix: Water

Test(s): 8260B
Lab ID: 2005-10-0059 - 6
Extracted: 10/10/2005 11:34
QC Batch#: 2005/10/10-1A.69

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	200	200	ug/L	4.00	10/10/2005 11:34	Q6
Benzene	ND	2.0	ug/L	4.00	10/10/2005 11:34	
Toluene	ND	2.0	ug/L	4.00	10/10/2005 11:34	
Ethylbenzene	ND	2.0	ug/L	4.00	10/10/2005 11:34	
Total xylenes	ND	4.0	ug/L	4.00	10/10/2005 11:34	
tert-Butyl alcohol (TBA)	280	20	ug/L	4.00	10/10/2005 11:34	
Methyl tert-butyl ether (MTBE)	51	2.0	ug/L	4.00	10/10/2005 11:34	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	4.00	10/10/2005 11:34	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	4.00	10/10/2005 11:34	
tert-Amyl methyl ether (TAME)	4.4	2.0	ug/L	4.00	10/10/2005 11:34	
1,2-DCA	ND	2.0	ug/L	4.00	10/10/2005 11:34	
EDB	ND	2.0	ug/L	4.00	10/10/2005 11:34	
Ethanol	ND	200	ug/L	4.00	10/10/2005 11:34	
Surrogate(s)						
1,2-Dichloroethane-d4	106.1	73-130	%	4.00	10/10/2005 11:34	
Toluene-d8	101.2	81-114	%	4.00	10/10/2005 11:34	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7**	Lab ID:	2005-10-0059 - 7
Sampled:	09/30/2005 09:10	Extracted:	10/10/2005 11:55
Matrix:	Water	QC Batch#:	2005/10/10-1A.69
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	58	50	ug/L	1.00	10/10/2005 11:55	Q6
Benzene	ND	0.50	ug/L	1.00	10/10/2005 11:55	
Toluene	ND	0.50	ug/L	1.00	10/10/2005 11:55	
Ethylbenzene	ND	0.50	ug/L	1.00	10/10/2005 11:55	
Total xylenes	ND	1.0	ug/L	1.00	10/10/2005 11:55	
tert-Butyl alcohol (TBA)	450	5.0	ug/L	1.00	10/10/2005 11:55	
Methyl tert-butyl ether (MTBE)	18	0.50	ug/L	1.00	10/10/2005 11:55	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	10/10/2005 11:55	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/10/2005 11:55	
tert-Amyl methyl ether (TAME)	1.5	0.50	ug/L	1.00	10/10/2005 11:55	
1,2-DCA	ND	0.50	ug/L	1.00	10/10/2005 11:55	
EDB	ND	0.50	ug/L	1.00	10/10/2005 11:55	
Ethanol	ND	50	ug/L	1.00	10/10/2005 11:55	
Surrogate(s)						
1,2-Dichloroethane-d4	99.9	73-130	%	1.00	10/10/2005 11:55	
Toluene-d8	96.6	81-114	%	1.00	10/10/2005 11:55	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-8**
Sampled: 09/30/2005 17:45
Matrix: Water

Test(s): 8260B
Lab ID: 2005-10-0059 - 8
Extracted: 10/12/2005 00:50
QC Batch#: 2005/10/11-2B.69

Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	840	500	ug/L	10.00	10/12/2005 00:50	
Benzene	ND	5.0	ug/L	10.00	10/12/2005 00:50	
Toluene	ND	5.0	ug/L	10.00	10/12/2005 00:50	
Ethylbenzene	ND	5.0	ug/L	10.00	10/12/2005 00:50	
Total xylenes	ND	10	ug/L	10.00	10/12/2005 00:50	
tert-Butyl alcohol (TBA)	8500	50	ug/L	10.00	10/12/2005 00:50	
Methyl tert-butyl ether (MTBE)	17	5.0	ug/L	10.00	10/12/2005 00:50	
Di-isopropyl Ether (DIPE)	ND	5.0	ug/L	10.00	10/12/2005 00:50	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/L	10.00	10/12/2005 00:50	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/L	10.00	10/12/2005 00:50	
1,2-DCA	ND	5.0	ug/L	10.00	10/12/2005 00:50	
EDB	ND	5.0	ug/L	10.00	10/12/2005 00:50	
Ethanol	ND	500	ug/L	10.00	10/12/2005 00:50	
Surrogate(s)						
1,2-Dichloroethane-d4	99.9	73-130	%	10.00	10/12/2005 00:50	
Toluene-d8	95.0	81-114	%	10.00	10/12/2005 00:50	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-10**
Sampled: 09/30/2005 13:10
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0059 - 9
Extracted: 10/12/2005 01:11
QC Batch#: 2005/10/11-2B.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	10/12/2005 01:11	
Benzene	ND	0.50	ug/L	1.00	10/12/2005 01:11	
Toluene	ND	0.50	ug/L	1.00	10/12/2005 01:11	
Ethylbenzene	ND	0.50	ug/L	1.00	10/12/2005 01:11	
Total xylenes	ND	1.0	ug/L	1.00	10/12/2005 01:11	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/12/2005 01:11	
Methyl tert-butyl ether (MTBE)	1.5	0.50	ug/L	1.00	10/12/2005 01:11	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	10/12/2005 01:11	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/12/2005 01:11	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/12/2005 01:11	
1,2-DCA	ND	0.50	ug/L	1.00	10/12/2005 01:11	
EDB	ND	0.50	ug/L	1.00	10/12/2005 01:11	
Ethanol	ND	50	ug/L	1.00	10/12/2005 01:11	
Surrogate(s)						
1,2-Dichloroethane-d4	97.7	73-130	%	1.00	10/12/2005 01:11	
Toluene-d8	94.0	81-114	%	1.00	10/12/2005 01:11	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **MW-11**
Sampled: 09/30/2005 12:28
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0059 - 10
Extracted: 10/10/2005 12:59
QC Batch#: 2005/10/10-1A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	10/10/2005 12:59	
Benzene	ND	0.50	ug/L	1.00	10/10/2005 12:59	
Toluene	ND	0.50	ug/L	1.00	10/10/2005 12:59	
Ethylbenzene	ND	0.50	ug/L	1.00	10/10/2005 12:59	
Total xylenes	ND	1.0	ug/L	1.00	10/10/2005 12:59	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/10/2005 12:59	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/10/2005 12:59	
Di-isopropyl Ether (DIPE)	ND	0.50	ug/L	1.00	10/10/2005 12:59	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/10/2005 12:59	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/10/2005 12:59	
1,2-DCA	ND	0.50	ug/L	1.00	10/10/2005 12:59	
EDB	ND	0.50	ug/L	1.00	10/10/2005 12:59	
Ethanol	ND	50	ug/L	1.00	10/10/2005 12:59	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	73-130	%	1.00	10/10/2005 12:59	
Toluene-d8	96.9	81-114	%	1.00	10/10/2005 12:59	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Sample ID: **QCTB**
Sampled: 09/30/2005
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-10-0059 - 11
Extracted: 10/8/2005 20:14
QC Batch#: 2005/10/08-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	10/08/2005 20:14	
Benzene	ND	0.50	ug/L	1.00	10/08/2005 20:14	
Toluene	ND	0.50	ug/L	1.00	10/08/2005 20:14	
Ethylbenzene	ND	0.50	ug/L	1.00	10/08/2005 20:14	
Total xylenes	ND	1.0	ug/L	1.00	10/08/2005 20:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/08/2005 20:14	
Surrogate(s)						
1,2-Dichloroethane-d4	88.2	73-130	%	1.00	10/08/2005 20:14	
Toluene-d8	98.0	81-114	%	1.00	10/08/2005 20:14	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-9**
Lab ID: 2005-10-0059 - 12
Sampled: 09/30/2005 17:35
Extracted: 10/12/2005 01:32
Matrix: Water
QC Batch#: 2005/10/11-2B.69
Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	26000	2000	ug/L	40.00	10/12/2005 01:32	
Benzene	2400	20	ug/L	40.00	10/12/2005 01:32	
Toluene	360	20	ug/L	40.00	10/12/2005 01:32	
Ethylbenzene	1600	20	ug/L	40.00	10/12/2005 01:32	
Total xylenes	4200	40	ug/L	40.00	10/12/2005 01:32	
tert-Butyl alcohol (TBA)	520	200	ug/L	40.00	10/12/2005 01:32	
Methyl tert-butyl ether (MTBE)	2400	20	ug/L	40.00	10/12/2005 01:32	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	40.00	10/12/2005 01:32	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	40.00	10/12/2005 01:32	
tert-Amyl methyl ether (TAME)	61	20	ug/L	40.00	10/12/2005 01:32	
1,2-DCA	ND	20	ug/L	40.00	10/12/2005 01:32	
EDB	ND	20	ug/L	40.00	10/12/2005 01:32	
Ethanol	ND	2000	ug/L	40.00	10/12/2005 01:32	
Surrogate(s)						
1,2-Dichloroethane-d4	98.7	73-130	%	40.00	10/12/2005 01:32	
Toluene-d8	95.8	81-114	%	40.00	10/12/2005 01:32	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/10/08-1B.62**

MB: 2005/10/08-1B.62-013 — Date Extracted: 10/08/2005 11:13

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	10/08/2005 11:13	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/08/2005 11:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/08/2005 11:13	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	10/08/2005 11:13	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/08/2005 11:13	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/08/2005 11:13	
1,2-DCA	ND	0.5	ug/L	10/08/2005 11:13	
EDB	ND	0.5	ug/L	10/08/2005 11:13	
Benzene	ND	0.5	ug/L	10/08/2005 11:13	
Toluene	ND	0.5	ug/L	10/08/2005 11:13	
Ethylbenzene	ND	0.5	ug/L	10/08/2005 11:13	
Total xylenes	ND	1.0	ug/L	10/08/2005 11:13	
Ethanol	ND	50	ug/L	10/08/2005 11:13	
Surrogates(s)					
1,2-Dichloroethane-d4	83.8	73-130	%	10/08/2005 11:13	
Toluene-d8	98.2	81-114	%	10/08/2005 11:13	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/10/10-1A.69-008

Water

Test(s): 8260B
QC Batch # 2005/10/10-1A.69
Date Extracted: 10/10/2005 07:08

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	10/10/2005 07:08	
Benzene	ND	0.5	ug/L	10/10/2005 07:08	
Toluene	ND	0.5	ug/L	10/10/2005 07:08	
Ethylbenzene	ND	0.5	ug/L	10/10/2005 07:08	
Total xylenes	ND	1.0	ug/L	10/10/2005 07:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/10/2005 07:08	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/10/2005 07:08	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	10/10/2005 07:08	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/10/2005 07:08	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/10/2005 07:08	
1,2-DCA	ND	0.5	ug/L	10/10/2005 07:08	
EDB	ND	0.5	ug/L	10/10/2005 07:08	
Ethanol	ND	50	ug/L	10/10/2005 07:08	
Surrogates(s)					
1,2-Dichloroethane-d4	91.4	73-130	%	10/10/2005 07:08	
Toluene-d8	98.6	81-114	%	10/10/2005 07:08	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/10/11-2B.69-054

Water

Test(s): 8260B
QC Batch # 2005/10/11-2B.69
Date Extracted: 10/11/2005 19:54

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	10/11/2005 19:54	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/11/2005 19:54	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/11/2005 19:54	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	10/11/2005 19:54	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/11/2005 19:54	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/11/2005 19:54	
1,2-DCA	ND	0.5	ug/L	10/11/2005 19:54	
EDB	ND	0.5	ug/L	10/11/2005 19:54	
Benzene	ND	0.5	ug/L	10/11/2005 19:54	
Toluene	ND	0.5	ug/L	10/11/2005 19:54	
Ethylbenzene	ND	0.5	ug/L	10/11/2005 19:54	
Total xylenes	ND	1.0	ug/L	10/11/2005 19:54	
Ethanol	ND	50	ug/L	10/11/2005 19:54	
Surrogates(s)					
1,2-Dichloroethane-d4	88.4	73-130	%	10/11/2005 19:54	
Toluene-d8	92.2	81-114	%	10/11/2005 19:54	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/10/12-2A.69-031

Water

Test(s): 8260B
QC Batch # 2005/10/12-2A.69
Date Extracted: 10/12/2005 18:31

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	10/12/2005 18:31	
Benzene	ND	0.5	ug/L	10/12/2005 18:31	
Toluene	ND	0.5	ug/L	10/12/2005 18:31	
Ethylbenzene	ND	0.5	ug/L	10/12/2005 18:31	
Total xylenes	ND	1.0	ug/L	10/12/2005 18:31	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/12/2005 18:31	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/12/2005 18:31	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	10/12/2005 18:31	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/12/2005 18:31	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/12/2005 18:31	
1,2-DCA	ND	0.5	ug/L	10/12/2005 18:31	
EDB	ND	0.5	ug/L	10/12/2005 18:31	
Ethanol	ND	50	ug/L	10/12/2005 18:31	
Surrogates(s)					
1,2-Dichloroethane-d4	93.6	73-130	%	10/12/2005 18:31	
Toluene-d8	96.0	81-114	%	10/12/2005 18:31	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/10/12-2B.64**

MB: 2005/10/12-2B.64-028 — Date Extracted: 10/12/2005 18:28

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	10/12/2005 18:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/12/2005 18:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/12/2005 18:28	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	10/12/2005 18:28	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/12/2005 18:28	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/12/2005 18:28	
1,2-DCA	ND	0.5	ug/L	10/12/2005 18:28	
EDB	ND	0.5	ug/L	10/12/2005 18:28	
Benzene	ND	0.5	ug/L	10/12/2005 18:28	
Toluene	ND	0.5	ug/L	10/12/2005 18:28	
Ethylbenzene	ND	0.5	ug/L	10/12/2005 18:28	
Total xylenes	ND	1.0	ug/L	10/12/2005 18:28	
Ethanol	ND	50	ug/L	10/12/2005 18:28	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	73-130	%	10/12/2005 18:28	
Toluene-d8	103.6	81-114	%	10/12/2005 18:28	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/10/13-2A.65-008

Water

Test(s): 8260B
QC Batch # 2005/10/13-2A.65
Date Extracted: 10/13/2005 19:08

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	10/13/2005 19:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/13/2005 19:08	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/13/2005 19:08	
Di-isopropyl Ether (DIPE)	ND	0.5	ug/L	10/13/2005 19:08	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/13/2005 19:08	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/13/2005 19:08	
1,2-DCA	ND	0.5	ug/L	10/13/2005 19:08	
EDB	ND	0.5	ug/L	10/13/2005 19:08	
Benzene	ND	0.5	ug/L	10/13/2005 19:08	
Toluene	ND	0.5	ug/L	10/13/2005 19:08	
Ethylbenzene	ND	0.5	ug/L	10/13/2005 19:08	
Total xylenes	ND	1.0	ug/L	10/13/2005 19:08	
Ethanol	ND	50	ug/L	10/13/2005 19:08	
Surrogates(s)					
1,2-Dichloroethane-d4	82.4	73-130	%	10/13/2005 19:08	
Toluene-d8	91.0	81-114	%	10/13/2005 19:08	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Krissy Flesoras

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/10/08-1B.62**

LCS 2005/10/08-1B.62-021 Extracted: 10/08/2005 Analyzed: 10/08/2005 10:21

LCSD 2005/10/08-1B.62-047 Extracted: 10/08/2005 Analyzed: 10/08/2005 10:47

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.7	22.2	25	90.8	88.8	2.2	65-165	20		
Benzene	25.4	25.4	25	101.6	101.6	0.0	69-129	20		
Toluene	26.2	25.7	25	104.8	102.8	1.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	382	391	500	76.4	78.2		73-130			
Toluene-d8	490	497	500	98.0	99.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/10/10-1A.69**

LCS 2005/10/10-1A.69-047 Extracted: 10/10/2005 Analyzed: 10/10/2005 06:47
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.3		25	101.2			65-165	20		
Benzene	23.1		25	92.4			69-129	20		
Toluene	24.1		25	96.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	432		500	86.4			73-130			
Toluene-d8	481		500	96.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/11-2B.69

LCS 2005/10/11-2B.69-033
LCSD

Extracted: 10/11/2005

Analyzed: 10/11/2005 19:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.8		25	103.2			65-165	20		
Benzene	24.2		25	96.8			69-129	20		
Toluene	25.8		25	103.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	422		500	84.4			73-130			
Toluene-d8	472		500	94.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/10/12-2A.69**

LCS 2005/10/12-2A.69-010 Extracted: 10/12/2005 Analyzed: 10/12/2005 18:10

LCSD 2005/10/12-2A.69-052 Extracted: 10/12/2005 Analyzed: 10/12/2005 18:52

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.0	25.9	25	108.0	103.6	4.2	65-165	20		
Benzene	23.5	23.1	25	94.0	92.4	1.7	69-129	20		
Toluene	24.4	24.1	25	97.6	96.4	1.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	447	478	500	89.4	95.6		73-130			
Toluene-d8	471	468	500	94.2	93.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/10/12-2B.64**

LCS 2005/10/12-2B.64-007 Extracted: 10/12/2005 Analyzed: 10/12/2005 18:07

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.9		25	95.6			65-165	20		
Benzene	25.3		25	101.2			69-129	20		
Toluene	25.0		25	100.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	470		500	94.0			73-130			
Toluene-d8	521		500	104.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/10/13-2A.65**

LCS 2005/10/13-2A.65-042 Extracted: 10/13/2005 Analyzed: 10/13/2005 18:42

LCSD 2005/10/13-2A.65-032 Extracted: 10/13/2005 Analyzed: 10/13/2005 20:32

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	22.6	23.3	25	90.4	93.2	3.1	65-165	20		
Benzene	22.7	23.2	25	90.8	92.8	2.2	69-129	20		
Toluene	22.8	23.7	25	91.2	94.8	3.9	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	386	374	500	77.2	74.8		73-130			
Toluene-d8	449	444	500	89.8	88.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Krissy Flesoras

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/10/08-1B.62**

MS/MSD

Lab ID: 2005-10-0066 - 011

MS: 2005/10/08-1B.62-024 Extracted: 10/08/2005 Analyzed: 10/08/2005 12:24

Dilution: 1.00

MSD: 2005/10/08-1B.62-050 Extracted: 10/08/2005 Analyzed: 10/08/2005 12:50

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	20.1	19.4	ND	25	80.4	77.6	3.5	65-165	20		
Benzene	23.8	23.5	ND	25	95.2	94.0	1.3	69-129	20		
Toluene	24.2	23.3	ND	25	96.8	93.2	3.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	396	400		500	79.2	80.0		73-130			
Toluene-d8	492	506		500	98.4	101.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Krissy Flesoras

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/10/10-1A.69**

MS/MSD

Lab ID: 2005-10-0072 - 004

MS: 2005/10/10-1A.69-007 Extracted: 10/10/2005 Analyzed: 10/10/2005 09:07

Dilution: 1.00

MSD: 2005/10/10-1A.69-028 Extracted: 10/10/2005 Analyzed: 10/10/2005 09:28

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.3	30.3	ND	25	109.2	121.2	10.4	65-165	20		
Benzene	24.1	27.7	1.21	25	91.6	106.0	14.6	69-129	20		
Toluene	24.2	28.7	0.694	25	94.0	112.0	17.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	508	478		500	101.6	95.6		73-130			
Toluene-d8	484	502		500	96.8	100.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
Attn.: Krissy Flesoras

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Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/10/11-2B.69**

MS/MSD

Lab ID: 2005-10-0151 - 003

MS: 2005/10/11-2B.69-058 Extracted: 10/11/2005 Analyzed: 10/11/2005 20:58
Dilution: 1.00

MSD: 2005/10/11-2B.69-019 Extracted: 10/11/2005 Analyzed: 10/11/2005 21:19
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	28.9	28.9	ND	25	115.6	115.6	0.0	65-165	20		
Benzene	25.9	25.8	ND	25	103.6	103.2	0.4	69-129	20		
Toluene	26.3	26.7	ND	25	105.2	106.8	1.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	456	460		500	91.2	92.0		73-130			
Toluene-d8	474	496		500	94.8	99.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/12-2A.69

MS/MSD

Lab ID: 2005-10-0187 - 001

MS: 2005/10/12-2A.69-026 Extracted: 10/12/2005 Analyzed: 10/12/2005 19:26
Dilution: 10.00

MSD: 2005/10/12-2A.69-048 Extracted: 10/12/2005 Analyzed: 10/12/2005 19:48
Dilution: 10.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.1	24.3	ND	25	108.4	97.2	10.9	65-165	20		
Benzene	23.2	23.2	ND	25	92.8	92.8	0.0	69-129	20		
Toluene	24.4	23.1	ND	25	97.6	92.4	5.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	438	410		500	87.6	82.0		73-130			
Toluene-d8	462	452		500	92.4	90.4		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/10/12-2B.64**

MS/MSD

Lab ID: 2005-10-0197 - 001

MS: 2005/10/12-2B.64-049 Extracted: 10/12/2005 Analyzed: 10/12/2005 20:49
Dilution: 1.00

MSD: 2005/10/12-2B.64-010 Extracted: 10/12/2005 Analyzed: 10/12/2005 21:10
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.8	26.7	ND	25	103.2	106.8	3.4	65-165	20		
Benzene	27.0	27.8	ND	25	108.0	111.2	2.9	69-129	20		
Toluene	28.8	28.6	6.95	25	87.4	86.6	0.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	484	473		500	96.8	94.6		73-130			
Toluene-d8	532	529		500	106.4	105.8		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento
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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/10/13-2A.65**

MS/MSD

Lab ID: 2005-10-0157 - 006

MS: 2005/10/13-2A.65-015 Extracted: 10/13/2005 Analyzed: 10/13/2005 22:15
Dilution: 1.00

MSD: 2005/10/13-2A.65-041 Extracted: 10/13/2005 Analyzed: 10/13/2005 22:41
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	22.1	22.8	ND	25	88.4	91.2	3.1	65-165	20		
Benzene	20.6	20.4	ND	25	82.4	81.6	1.0	69-129	20		
Toluene	21.0	21.9	ND	25	84.0	87.6	4.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	435	408		500	87.0	81.6		73-130			
Toluene-d8	454	456		500	90.8	91.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

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Project: 77CP.60126.01.0001
Conoco Philips Site #11126

Received: 10/05/2005 15:10

Site: 1700 Powell Ave., Emeryville, CA

Legend and Notes

Sample Comment

Lab ID: 2005-10-0059 -9

Siloxane peaks were found in the sample which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 59g/L.

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

ConocoPhillips Chain Of Custody Record

100128

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2005-10-0059

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number: 1731SEC002

ConocoPhillips Cost Object: WNO.1731.EO.R

DATE 10/3/05

PAGE 1 of 2

SAMPLING COMPANY: SECOR International, Inc	Valid Value ID:
ADDRESS: 3017 Kilgore Road, Suite 100	
PROJECT CONTACT (Hardcopy or PDF Report to): Rancho Cordova, CA 95670	
TELEPHONE: (916) 861-0400	FAX: (916) 861-0430
E-MAIL: kflesoras@secor.com	
SAMPLER NAME(S) (Print): Adrian Anguillara	CONSULTANT PROJECT NUMBER: 77CP.60126.01.0001

CONOCOPHILLIPS SITE NUMBER: 76 (Former BP) Service Station #11126	GLOBAL ID NO.: TO600100208
SITE ADDRESS (Street and City): 1700 Powell Ave., Emeryville CA	
EDF DELIVERABLE TO (RP or Designee): Krissy Flesoras	PHONE NO.: (916) 861-0400 x282
E-MAIL: kflesoras@secor.com	LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

(1) Oxygenates include MtBE, DIPE, TAME, EtBE, TBA, ethanol, 1,2-DCA, and EDB.

(2) Please bill SECOR for analytical costs.

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable (1 1-L Amber)	1664A - TOG (1 1-L Amber)	8260B - GROg / BTEX / 5 Oxygenates (1) - 6 HCL-preserved VOAs	8260B - TBA	8260B - Full Scan VOCs (does not include oxygenates)	Ethanol By EPA Method 8260B	Methanol by EPA 8015M	Lead ☐Total ☐STLC ☐TCLP	8260B - TPHg / BTEX / 5 Oxys*	8260B - TPHg / BTEX / 5 Oxys* + Ethanol
	MW-1	9/30	1615	Water	3			X							
	MW-2		1720	Water	3			X							
	MW-3		1415	Water	2/3	X	X	X							
	MW-4		0944	Water	3			X							
	MW-5		1012	Water	3			X							
	MW-6		1530	Water	3			X							
	MW-7		0910	Water	3			X							
	MW-8		1745	Water	3			X							
	MW-10		1310	Water	3			X							

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C° 2

Relinquished by: (Signature)	Received by: (Signature)	Date: 10/4/05	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/5/05	Time: 12:10
Relinquished by: (Signature)	Received by: (Signature)	Date: 10-5-05	Time: 1510

9/18/03 Revision

ConocoPhillips Chain Of Custody Record

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number: 1731SEC002

ConocoPhillips Cost Object: WNO.1731.EO.R

DATE 10/3/05

PAGE 2 of 2

SAMPLING COMPANY: SECOR International, Inc	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: 76 (Former BP) Service Station #11126	GLOBAL ID NO.: TO600100208
ADDRESS: 3017 Kilgore Road, Suite 100		SITE ADDRESS (Street and City): 1700 Powell Ave., Emeryville CA	
PROJECT CONTACT (Hardcopy or PDF Report to): Rancho Cordova, CA 95670		EDF DELIVERABLE TO (RP or Designee): Krissy Flesoras	PHONE NO.: (916) 861-0400 x282
TELEPHONE: (916) 861-0400	FAX: (916) 861-0430	E-MAIL: kflesoras@secor.com	E-MAIL: kflesoras@secor.com
SAMPLER NAME(S) (Print): Adrian Anguillara	CONSULTANT PROJECT NUMBER: 77CP.60126.01.0001		LAB USE ONLY

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* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	GRO/BTEX/MtBE By EPA 8260B	8260B - GROg / BTEX / 8 Oxygenates (1)	8260B - TBA	8260B - Full Scan VOCs (does not include oxygenates)	Ethanol By EPA Method 8260B	Methanol by EPA 8015M	Lead ☐Total ☐STLC ☐TCLP	Dissolved Lead By EPA 7421	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-11	9/30	1228	Water	3			X							TEMPERATURE ON RECEIPT C° 2
	QCTB	9/30/05	—	Water	3		X								
	MW-9	9/30	1735	↓	3			X							

Relinquished by: (Signature)	Received by: (Signature)	Date: 10/3/05	Time: 14:20
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/5/05	Time: 1210
Relinquished by: (Signature)	Received by: (Signature)	Date: 10-5-05	Time: 1510

8/1003 Revision