Atlantic Richfield Company
(a BP affiliated company)

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November 30, 2005

Re: Soil and Water Investigation
Former BP Service Station #11117
7210 Bancroft Ave.
Oakland, CA
ACEHS Case No. RO0000356

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

Submitted by:

Kyle Christie
Environmental Business Manager

URS

November 30, 2005

Ms. Donna Drogos
Hazardous Material Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

SUBJECT: Soil and Water Investigation Report
Former BP Service Station #11117
7210 Bancroft Avenue
Oakland, California
ACEHS Case No. RO0000356

Dear Ms. Drogos:

On behalf of the Atlantic Richfield Company, RM - a BP affiliated company, URS Corporation (URS) has prepared this *Soil and Water Investigation (SWI) Report* for additional soil and water characterization at the above referenced facility (the Site, Figure 1). The purpose of the work was to further assess the extent of dissolved-phase hydrocarbons in soil and groundwater, on- and off-site, at the request of Alameda County Environmental Health Services (ACEHS). The work was proposed in URS' *Soil and Groundwater Investigation Work Plan* dated May 9, 2005 and approved by ACEHS on May 11, 2005. This *SWI Report* discusses the Site background, describes the scope of investigation and fieldwork performed, and presents conclusions and recommendations based on the findings. A copy of the ACEHS correspondences are provided as Attachment A.

1.0 SITE BACKGROUND

The Site is an active 76-branded gasoline retail outlet located on the northern corner of Bancroft Avenue and 73rd Avenue in Oakland, California (Figure 1). The land use in the immediate vicinity of the Site is mixed commercial and residential. BP acquired the facility from Mobil Oil Corporation in 1989. In January 1994, BP transferred the property to TOSCO Marketing Company (TOSCO) and has not operated the facility since that time.

The Site consists of a service station building and three 12,000-gallon gasoline underground storage tanks (USTs) and one 10,000-gallon diesel UST with associated piping and dispensers. The Site is covered with asphalt or concrete surfacing except for planters along the southeastern and southwestern property boundaries and at the north corner of the property (Figures 2).

In 1984, the preexisting USTs at the Site were removed and three gasoline USTs (6,000-gallon, 10,000-gallon, and 12,000-gallon) and one 6,000-gallon diesel UST were installed immediately to the east. The newly installed USTs were single-walled fiberglass USTs. An associated UST removal report is not on file and may not have been prepared. No documentation was found

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referencing the conditions of the removed USTs or reporting evidence of hydrocarbon impacts in the soil and groundwater, if any, at the time of the UST removal.

In December 1989, a Phase II environmental audit was conducted on the adjacent Eastmont Town Center site located to the north and the northwest of the former BP Site. Part of the respective Phase II study relevant to the former BP Site included installing monitoring well MW-3 near the western boundary of the former BP Site. The analytical results of soil samples collected from 10 and 20 feet below ground surface (bgs) from MW-3 reported total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and xylenes (BTEX), and oil and grease concentrations below their respective laboratory reporting limits. The analytical results of groundwater samples from MW-3 reported TPH and benzene concentrations of 2,700 micrograms per liter (µg/L) and 530 µg/L, respectively.

In December 1991, two soil borings (MW-1 and MW-2) were drilled on-site to total depths of 40 feet bgs, soil samples were collected at 10 foot intervals between 5 and 25 feet bgs and the respective borings were subsequently converted into monitoring wells MW-1 and MW-2. First groundwater was encountered at approximately 30 feet bgs. The analytical results of the soil samples from MW-1 and MW-2 reported total petroleum hydrocarbons as gasoline (TPH-g) and BTEX at concentrations below their respective laboratory reporting limits.

Borings MW-4 and MW-6 were advanced to total depths of 40 feet bgs, and boring B-5 were advanced to 50 feet bgs. First groundwater was encountered at approximately 30 feet bgs in borings MW-4 and MW-6, and no free water was encountered in boring B-5. The analytical results of soil samples collected at 30 feet bgs from B-5 and MW-6 reported TPH-g and BTEX at concentrations below their respective laboratory reporting limits. The maximum TPH-g and BTEX concentrations reported in MW-4 were 6,000 milligrams per kilograms (mg/kg) and 34 mg/kg, respectively, from 20 feet bgs. Borings MW-4 and MW-6 were subsequently converted into monitoring wells.

In September 1994, a supplemental Site assessment was conducted at the Site. Four exploratory soil borings (THP-1, TB-2, TB-3 and TB-4) were advanced to a maximum depth of 45 feet bgs, north of the former and existing UST complexes (THP-1), at the former service bays (TB-2), north of the northern pump island (TB-3), and at a former pump island (TB-4). Additionally, one soil sample was collected from beneath each of the five dispensers (TD-1 through TD-5). Groundwater was encountered in TB-2 and TB-3 at approximately 33 to 36 feet bgs and groundwater samples were collected from TB-2 and TB-3 via temporary well points. Maximum concentrations of 16 mg/kg TPH-g (TD-3), TPH as diesel (TPH-d) at concentrations ranging from 110 mg/kg to 5,800 mg/kg TPH-d (TD-1 through TD-5), and benzene at concentrations below laboratory reporting limits were reported in soil samples. No TPH-g was detected at concentrations above the laboratory reporting limits and a maximum concentration of 0.7 µg/L benzene (TB-3) was reported in groundwater samples.

Boring MW-7 was advanced to a total depth of 45 feet bgs and boring MW-8 and MW-9 was advanced to total depths of 40 feet bgs. First encountered groundwater was at approximately 27 feet bgs to 32 feet bgs. No TPH-g or BTEX were detected above their respective laboratory

reporting limits in soil samples collected from 25 feet bgs in each boring. The three borings were subsequently converted into monitoring wells MW-7 through MW-9.

In July 1997, one boring (MW-10) was drilled off-site to a depth of approximately 37.5 feet bgs. Soil samples were collected and the boring was subsequently converted into a monitoring well. First groundwater was encountered at approximately 26 feet bgs. No TPH-g, BTEX or methyl tertiary butyl ether (MTBE) was detected at concentrations above their respective laboratory reporting limits in MW-10.

In August 1998, the three gasoline USTs (6,000-gallon, 10,000-gallon, and 12,000-gallon) and one 6,000-gallon diesel UST, and associated dispensers and piping were removed from the Site. There was no visible evidence of leakage from the USTs removed. A total of eight native soil samples were collected from beneath each end of the removed USTs at depths of 14 to 16 feet bgs, and a total of 18 soil samples were collected from the former dispenser locations and from beneath the associated product lines at 3 feet bgs.

TPH-g was detected in five of the eight UST excavation samples at concentrations ranging from 3.7 mg/kg (S-15-T2S) to 5,300 mg/kg (S-15-T1S). TPH-d was detected at 630 mg/kg (S-15-T1N) and 800 mg/kg (S-15-T1S) in two samples, benzene concentrations ranged between 0.40 mg/kg (S-15-T1N) to 0.95 mg/kg (S-16-T3N) in three samples, MTBE concentrations ranged between 0.028 mg/kg (S-14-T4S) to 5.3 mg/kg (S-16-T3N) in seven samples, and lead was not detected in the sample analyzed for lead. TPH-g was detected in nine of the eighteen dispenser and product line samples with concentrations ranging between 1.4 mg/kg (S-3-PL12) to 7,200 mg/kg (S-3-D4). TPH-d was detected between 4.8 mg/kg (S-3-PL3) to 190 mg/kg (S-3-PL11) in five samples, benzene was detected between 0.0089 mg/kg (S-3-PL12) to 22 mg/kg (S-3-D4) in three samples, and MTBE was detected between 0.048 mg/kg (S-3-PL12) to 15 mg/kg (S-3-PL1) in ten samples. During the 1998 UST replacement activities, approximately 389 tons of soil and backfill were transported off-site for disposal. The existing 10,000-gallon diesel and three 12,000-gallon gasoline USTs were installed as replacements.

In April 1999, a groundwater recovery test was performed on wells MW-1 through MW-4, MW-6, MW-7 and MW-10 to assess the spatial variation in hydraulic conductivity in the shallow water-bearing zone across the Site. The hydraulic conductivity values estimated from the recovery testing are presented in Alisto Engineering Group's *Results of Recover Testing* dated June 4, 1999. The geometric mean of the hydraulic conductivity values and the flow velocity were calculated to be 1.37×10^{-5} feet per second and 73.85 feet per year, respectively.

In November 1999, two 4-inch diameter wells (EX-1 and EX-2) were installed on-site to facilitate potential remedial activities at the Site. Well EX-1 was drilled to 39.5 feet bgs and EX-2 was drilled to 36.5 feet bgs. Groundwater was first encountered at 26 feet bgs. Relatively low to no TPH-g, BTEX and MTBE concentrations were reported in soil samples collected from EX-1 and EX-2.

Between March 16 and April 30, 2000, interim remedial activities were conducted at the Site to evaluate the effectiveness of hydrocarbon and MTBE reduction using short-term groundwater

extraction. From eight extraction events, approximately 10,900 gallons of groundwater was extracted from wells EX-1, EX-2 and MW-2. During the extraction events, stable to slightly decreasing hydrocarbon and MTBE concentration trends were exhibited in samples collected from wells MW-2 and EX-1, located immediately southwest of the existing USTs. Samples from well EX-2, which is located north of the existing USTs, exhibited lower hydrocarbon and MTBE concentrations than MW-2 and EX-1.

In April 2000, during the batch extraction events, recovery tests were conducted on wells EX-1, EX-2 and MW-2. Based on the recovery test measurements, the geometric mean of the hydraulic conductivity values and flow velocities for wells EX-1, EX-2 and MW-2 was calculated as 3.0×10^{-4} feet per minute and 26 feet per year, respectively.

During October 29, through November 2, 2001, a dual-phase soil vapor and groundwater extraction (DPE) pilot test was performed on the monitoring wells with the highest historical hydrocarbon concentrations (i.e., MW-2 and MW-4) and the extraction wells (EX-1 and EX-2) at the Site. The DPE test results indicated that the vacuum influence was limited to within 18 to 28 feet of the extraction well. Water levels typically decreased several feet in the extraction wells and had a varied response in the observation wells. Estimated vapor-phase removal rates were approximately 200-pounds of hydrocarbon per day in wells MW-4 and EX-1, and less than 5-pounds of hydrocarbon per day in wells MW-2 and EX-2. Soil vapor concentrations showed a decreasing trend in wells MW-4 and EX-1 during the short-term pilot tests. Grab water samples collected before and after the pilot tests remained the same order of magnitude. A total of 6,500 gallons of water was extracted during the DPE pilot test and appropriately disposed off-Site. Overall, the test results indicated that DPE is a feasible remedial alternative for the Site and ACHCS approved Cambria's August 8, 2002, 'Dual Phase Extraction Pilot Test Report' as a Corrective Action Plan (CAP).

A total of eleven wells have been installed at the Site: wells MW-1 through MW-4, MW-6 through MW-10, and EX-1 and EX-2. Wells MW-1 and MW-2 screen from approximately 20 feet bgs to 40 feet bgs; well MW-3 screens from 30 to 45 feet bgs; wells MW-4 and MW-6 screen from approximately 20 to 40 feet bgs; and wells MW-7 through MW-9 screen from approximately 25 to 40 or 45 feet bgs. Wells EX-1 and EX-2 screen from approximately 18 feet bgs to 38 feet bgs and 15 feet bgs to 35 feet bgs, respectively.

A quarterly groundwater monitoring program was initiated at the Site in January 1992 and is ongoing. Currently wells MW-1, MW-2, MW-4, MW-6, MW-7 and MW-10 are sampled quarterly, wells MW-3 and MW-9 are sampled semi-annually (first and third quarter), and well MW-8 is sampled annually (first quarter). The laboratory analytical data of the groundwater monitoring program are included as Table 1 and Table 2. Historical groundwater flow directions at the Site are presented in Table 3.

2.0 SITE GEOLOGY AND HYDROGEOLOGY

The Site is typically underlain by clays with 1 to 4 foot thick intervals of sands and gravels to a total explored depth of approximately 45 feet bgs. Boring logs for wells MW-1, MW-2, MW-6 and MW-7 indicate less than 5 feet of sand and/or gravel encountered, while those for wells MW-3, MW-4, MW-8, MW-9, MW-10, EX-1 and EX-2 indicate more than 10 feet of sand and/or gravel encountered.

The lithology observed in soil borings A-1 through A-5 and A-7 through A-10 was predominantly a clay gravel layer in the first foot. Silty clays and clayey silts were then encountered to a depth of approximately 14 ft bgs to 20 ft bgs. Clayey sands and sandy and clayey gravels were then encountered to a depth of approximately 25 ft bgs to 30 ft bgs. Gravels and sands were then encountered to a depth of approximately 45 ft bgs. A silty clay was encountered below 45 ft bgs, specifically in boring A-1, where the total depth explored was 46 ft bgs. Off-site borings to the east were similar with the exception that clayey silt was encountered at a depth of approximately 35 ft bgs. Off-site boring A-10varied greatly from all other borings. An angular gravel fill was encountered beneath the mulch to 3 feet bgs. Predominantly silt or silty sand underlies the fill to approximately 35 feet bgs. A silty gravel was encountered from 35 to the total depth sampled of 39 feet bgs. Groundwater was first encountered during drilling at depths ranging from 19 feet to 25 feet bgs. Soil boring logs are included as Attachment B.

The water table fluctuates seasonally and has risen about 10 feet since 1992. The static depth to water in monitoring wells at the Site has ranged between 9.49 and 34.07 feet bgs (Table 1). Groundwater flow direction during the 2005 fourth quarter monitoring event on November 3, 2005 was to the north at a gradient of 0.008 ft/ft (Figure 3).

3.0 SCOPE OF WORK

The scope of work proposed in URS' May 2005 *Work Plan* included activities to complete source area characterization and groundwater plume delineation in two phases. The first phase of work was on-site source area assessment. Six soil boring locationss (A-1 through A-6) (two borings per location) were proposed to be advanced in the vicinity of the possible hydrocarbon source areas such as the locations of the former and current USTs, product dispensers, and in the vicinity of MW-4 to adequately characterize the lateral and vertical extent of petroleum hydrocarbons in soils in the identified source areas. An off-site assessment was completed during the second phase of work, using the first phase of work to confirm that the proposed off-site locations were adequate. To further define the downgradient, cross-gradient and upgradient (i.e., northern through eastern through southern) extent of the groundwater plume, URS proposed advancing borings at four sample locations (two borings per location) using a GeoProbe™ or equivalent direct push sampling rig.

3.1 PHASE ONE – ON-SITE SOURCE AREA CHARACTERIZATION

URS' proposed scope of work included advancing six soil borings (A-1 through A-6), to help assess the lateral and vertical extent of petroleum hydrocarbons in soils in the identified source areas. Soil boring A-1 was proposed to assess the extent of hydrocarbons in soil in the vicinity of well MW-1 below 25 feet bgs, the total depth explored during the 1991 well installation. During historical low groundwater levels (greater than 25 feet bgs) groundwater concentrations in well MW-1 are elevated. Soil borings A-2 and A-3 are proposed to provide soil and groundwater data between wells MW-1 and MW-4. Soil boring A-4 is proposed in the vicinity of well MW-4. Soil boring A-5 and A-6 were proposed in the vicinity of the former and current USTs and product dispensers. Soil boring A-6 was unable to be advanced due to the close proximity of electric lines and product piping. The soil boring locations are presented on Figure 2.

3.1.1 Preliminary Field Activities

Prior to initiating field activities, URS obtained anAlameda County Public Works permit, prepared a Site-specific Health and Safety Plan (HASP) for the proposed work, and conducted a subsurface utility clearance. The utility clearance included notifying Underground Service Alert (USA) of the pending work a minimum of 48-hours prior to initiating the field investigation, and securing the services of a private utility locating company to confirm the absence of underground utilities at each boring location. The HASP addressed the proposed boring/well installations and groundwater sampling.

3.1.1.1 Soil Boring Advancement and Soil Sampling

On September 26 and 27, 2005, a URS geologist observed Gregg Drilling and Testing, Inc. (Gregg) of Martinez, California advance five on-site soil borings (A-1 through A-5) to depths of approximately 30 to 40 feet bgs for lithologic description and soil sampling. The first five feet of each boring was physically cleared to at least five feet bgs using an air-knife rig. The soil borings A-2 through A-5 were continuously cored using direct-push technology to a total depth of approximately 30 feet bgs. Soil boring A-1 was advanced using five-inch Simco hollow stem augers and sampled using a modified split spoon sampler to a total depth of approximately 40 feet bgs due to limitations of the direct-push technology. In order to collect depth discrete groundwater samples or conduct soil sampling while using depth discrete groundwater sampling probes, URS advanced a closely spaced pair of borings (within 2 feet apart) at each boring location. The lithologic characterization of the initial boring provided the information necessary to determine the proper discrete groundwater sampling depths. Soil samples were collected for analysis every five-feet, at the capillary fringe and at signs of obvious soil impacts. Depth discrete groundwater samples were collected at the saturated/unsaturated zone interface, 10 feet below the saturated/unsaturated zone interface, and at multiple discrete water-bearing zones and lithologic changes, if encountered within the initial boring. The approximate soil boring

locations are illustrated on Figure 2. During soil boring advancement, groundwater was encountered in the lithologic borings at depths between 20 feet bgs and 25 feet bgs.

Soil samples were logged by URS personnel under the supervision of a State of California Professional Geologist, according to the Unified Soil Classification System (USCS), and monitored for grain size, color, consistency, staining, and odor using a photoionization detector (PID). Soil samples collected for potential chemical analysis were sealed with Teflon® tape, capped, and placed in an ice-filled cooler for transportation to the laboratory. Soil samples collected during this investigation were submitted to a California State-certified analytical laboratory for analysis of gasoline range organics (GRO), BTEX, and fuel additives (MTBE, tert-butyl alcohol [TBA], ethyl tert-butyl ether [ETBE], tert-amyl methyl ether [TAME], di-isopropyl ether [DIPE], 1,2-dichloroethane [1,2-DCA], 1,2-dibromoethane [EDB], and ethanol) using EPA Method 8260B. Field procedures are included as Attachment C.

3.1.1.2 Groundwater Sampling

On September 26 and 27, 2005, a URS geologist observed Gregg advance the depth discrete groundwater or Hydropunch® soil borings, at all four soil boring locations approximately 1 to 2 feet laterally from the respective initial soil boring location. The Hydropunch® boring locations were cleared to at least five feet bgs using a or air knife rig.

After clearing the depth discrete groundwater boring locations to five feet bgs using a hand auger or air knife rig, the Hydropunch® sampler was advanced to the appropriate depth intervals in which groundwater was observed in the initial lithologic soil boring. Care was taken to expose the hydro-punch screen only to the saturated zone, so that no cross-contamination would occur. The boring was then allowed to sit for a minimum of 1-hour for groundwater to accumulate. After a minimum of 1-hour, an attempt was made to collect a groundwater sample. If groundwater was not present in the Hydropunch® screen, then the Hydropunch® tool was retracted from the boring, a new drive tip was installed on the drive rods, and the next depth interval was attempted for sample collection.

Depth discrete groundwater samples collected, were labeled and placed in ice-filled coolers for preservation, and sent under standard chain-of-custody procedures to a California state-certified laboratory. The groundwater samples were analyzed for the presence of GRO, BTEX, and fuel additives (MTBE, TBA, ETBE, TAME, DIPE, 1,2-DCA, EDB, and ethanol) using EPA Method 8260B.

Following completion of the Hydropunch® boring activities, all borings were sealed to the surface with a neat Portland cement grout slurry.

3.2 PHASE TWO – OFF-SITE PLUME DELINEATION

URS' proposed scope of work included the advancement of four soil borings (A-7 through A-10) to assess the extent of the groundwater plume in the area southeast and north to northeast of the source area (Figure 2). Soil borings A-7 through A-9 assessed the extent of hydrocarbons in soil

and groundwater downgradient of the source area. Soil boring A-10 assessed groundwater upgradient in the vicinity of well MW-9. The off-site soil boring locations are presented on Figure 2.

3.2.1 Preliminary Field Activities

Prior to initiating field activities, URS obtained an Alameda County Public Works permit and City of Oakland excavation permit, prepared a HASP for the proposed work, and conducted a subsurface utility clearance as described in the previous preliminary field activities section.

3.2.1.1 Soil Boring Advancement and Soil Sampling

On November 3 and 7, 2005, a URS geologist observed Gregg advance four off-site soil borings (A-7 through A-10) to a total depth of approximately 30 feet bgs for lithologic description and soil sampling. The first five feet of each boring was physically cleared to at least five feet bgs using a hand auger or air-knife rig. The soil borings A-7 through A-10 were advanced using five-inch Simco hollow stem augers and sampled using a modified split spoon sampler to a total depth of approximately 30 feet bgs due to limitations of the direct-push technology. In order to collect depth discrete groundwater samples or conduct soil sampling while using depth discrete groundwater sampling probes, URS advanced a closely spaced pair of borings (within 2 feet apart) at each boring location. The lithologic characterization of the initial boring provided the information necessary to determine the proper discrete groundwater sampling depths. Soil samples were collected for analysis every five-feet, at the capillary fringe and at signs of obvious soil impacts. Depth discrete groundwater samples were collected at the saturated/unsaturated zone interface, 10 feet below the saturated/unsaturated zone interface, and at multiple discrete water-bearing zones and lithologic changes, if encountered within the initial boring. The approximate soil boring locations are illustrated on Figure 2. During soil boring advancement, groundwater was encountered in the lithologic borings at a depth of approximately 25 feet bgs.

Soil samples were logged by URS personnel under the supervision of a State of California Professional Geologist, according to the USCS, and monitored for grain size, color, consistency, staining, and odor using a PID. Soil samples collected for chemical analysis were sealed with Teflon® tape, capped, and placed in an ice-filled cooler for transportation to the laboratory. Soil samples collected during this investigation were submitted to a California State-certified analytical laboratory for analysis of GRO, BTEX and fuel additives (MTBE, TBA, ETBE, TAME, DIPE, 1,2-DCA, EDB, and ethanol) using EPA Method 8260B. Upon completing sampling activities, each boring was grouted to ground surface with Portland cement.

3.2.1.2 Groundwater Sampling

On November 3 and 7, 2005, a URS geologist observed Gregg advance the depth discrete groundwater or Hydropunch® soil borings, at all four soil boring locations approximately 1 to 2 feet laterally from the respective initial soil boring location. The Hydropunch® boring locations were cleared to at least five feet bgs using a hand auger or air knife rig.

After clearing the depth discrete groundwater boring locations to five feet bgs using a hand auger or air knife rig, the Hydropunch® sampler was advanced to the appropriate depth intervals in which groundwater was observed in the initial lithologic soil boring. Care was taken to expose the hydro-punch screen only to the saturated zone, so that no cross-contamination would occur. The boring was then allowed to sit for a minimum of 1-hour for groundwater to accumulate. After a minimum of 1-hour, an attempt was made to collect a groundwater sample. If groundwater was not present in the Hydropunch® screen, then the Hydropunch® tool was retracted from the boring, a new drive tip was installed on the drive rods, and the next depth interval was attempted for sample collection. No groundwater sample was able to be collected from boring location A-7. Although no water samples were collected, soil samples were collected from the saturated zones.

Following completion of the Hydropunch® boring activities, all borings were sealed to the surface with a neat Portland cement grout slurry.

Depth discrete groundwater samples collected, were labeled and placed in ice-filled coolers for preservation, and sent under standard chain-of-custody procedures to a California state-certified laboratory. The groundwater samples will be analyzed for the presence of GRO, BTEX, and fuel additives (MTBE, TBA, ETBE, TAME, DIPE, 1,2-DCA, EDB, and ethanol) using EPA Method 8260B.

4.0 ANALYTICAL RESULTS

4.1 SOIL ANALYTICAL RESULTS

PHASE ONE – ON-SITE SOURCE AREA CHARACTERIZATION

URS submitted soil samples collected at approximately 5-foot intervals, near the groundwater interface and from areas of obvious soil impacts to Sequoia Analytical, a State of California DHS Certified Laboratory for analysis. The soil samples were analyzed for GRO, BTEX, MTBE, TAME, ETBE, DIPE, TBA, EDB, 1,2-DCA, and ethanol using EPA Method 8260B. Soil analytical results are presented in Table 4. Copies of laboratory analytical reports and chain-of-custody records are presented in Attachment D.

Soil sample analytical results for the on-site characterization can be summarized as follows:

- In soil boring A-1, GRO was detected in only one sample at 76 mg/kg [A-1 (39-39.5')]. In soil boring A-2, GRO was detected in three samples ranging from 17 mg/kg [A-2 (33.5-34')], to 120 mg/kg, A-2 (30-30.5')]. In soil boring A-3, GRO was detected in three samples ranging from 0.13 mg/kg [A-3 (14.5-15')] to 220 mg/kg [A-3 (26-26.5')]. In soil boring A-4, GRO was detected in three samples ranging from 0.44 mg/kg [A-4 (19.5-20')] to 490 mg/kg [A-4 (23.5-24')]. In boring A-5, GRO was detected in four samples ranging from 0.23 mg/kg [A-5 (15-15.5')] to 28 mg/kg [A-5 (35-35.5')].

- In soil boring A-4, benzene was detected in only one sample at 0.15 mg/kg [A-4 (31.5-32')]. In soil boring A-5, benzene was detected in two samples at 0.0068 mg/kg [A-5 (30-30.5')] and 0.11 mg/kg [A-5 (35-35.5')].
- In soil boring A-1, MTBE was detected in only one sample at 0.84 mg/kg [A-1 (46-46.5')]. In soil boring A-3, MTBE was detected in only one sample at 0.0050 mg/kg [A-3 (5-5.5')]. In soil boring A-4, MTBE was detected in only one sample at 0.48 mg/kg [A-4 (31.5-32')]. In boring A-5, MTBE was detected in six samples ranging from 0.0053 mg/kg [A-5 (19.5-20')] to 0.035 mg/kg [A-5 (25-25.5')]. No MTBE was detected above the laboratory reporting limit in boring A-2.
- In soil boring A-5, TBA was detected in only one sample at 0.022 mg/kg [A-5 (25-25.5')].
- No DIPE, EDB, 1,2-DCA, ETBE, TAME or ethanol was detected above laboratory reporting limits in borings A-1 through A-5.

PHASE TWO – OFF-SITE PLUME DELINEATION

Soil sample analytical results for the off-site plume delineation can be summarized as follows:

- In soil boring A-7, MTBE was detected in two samples at 0.0064 mg/kg [A-7 (36-36.5')] and 0.43 mg/kg [A-7 (25.5-26')]. In soil boring A-9, MTBE was detected in only one sample at 0.16 mg/kg [A-9 (31-31.5')].
- No GRO, BTEX, TBA, DIPE, EDB, 1,2-DCA, ETBE, TAME or ethanol was detected above laboratory reporting limits in borings A-7 through A-10.

The following is a comparison of the soil analytical results from this investigation to the Regional Water Quality Control Board's (RWQCB's) Environmental Screening Levels (ESLs). The ESLs are summarized in lookup tables in the "Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater" guidelines, as revised in February 2005, "*Volume 1: Summary Tier 1 Lookup Tables*". As specified in the Tier 1 Lookup Table A and C, ESLs for the constituents of concern (COC) are the same for commercial/industrial and residential use sites where groundwater is a potential drinking water resource, regardless of whether subsurface soil impact is less than or greater than 10 feet (or 3 meters) bgs.

Constituent	ESL (mg/kg)
GRO/TPH-g	100
Benzene	0.044
Toluene	2.9

Ethylbenzene	3.3
Xylenes	1.5
MTBE	0.023
TBA	0.073

Of the soil samples collected on September 26 and 27, 2005 and November 3 and 7, 2005, samples collected from six (A-2 through A-5, A-7, and A-9) of the nine borings had concentrations at or above the ESLs for GRO, benzene, ethylbenzene, xylenes, and MTBE.

4.2 GROUNDWATER ANALYTICAL RESULTS

Twelve depth discrete groundwater samples and six groundwater monitoring well samples (MW-2, MW-4, MW-7, MW-10, EX-1 and EX-2) were submitted to Sequoia for GRO, BTEX, and fuel additives (including MTBE, TAME, ETBE, DIPE, TBA, EDB, 1,2-DCA, and ethanol) analysis using EPA Method 8260B. Groundwater analytical results are presented in Table 1, 2 and 5. Copies of laboratory analytical reports and chain-of-custody records are presented in Attachment D.

The groundwater analytical results can be summarized as follows:

- GRO was detected in six of the soil borings and five monitoring wells sampled at concentrations ranging from 51 micrograms per liter (µg/L) [boring A-10 (39')] to 510,000 µg/L [A-2 (21.3)].
- Benzene was detected in four of the soil borings sampled at concentrations ranging from 0.50 µg/L (well EX-2) to 11,000 µg/L [A-4 (34'-36')].
- MTBE was detected in six of the soil borings sampled at concentrations ranging from 8.3 µg/L [A-3 (34'-36')] to 39,000 µg/L [boringA-4 (34'-36')].
- TBA was detected in one boring sampled at a concentration of 350 µg/L [A-5 (19.5')].
- No TAME, ethanol, DIPE, ETBE or EDB was detected at or above their respective laboratory reporting limits.

The following is a comparison of the groundwater analytical results from this investigation to the RWQCB ESLs. The ESLs are summarized in lookup tables in the "Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater" guidelines, as revised in February 2005, "*Volume 1: Summary Tier 1 Lookup Tables*". As specified in the Tier 1 Lookup Table A and C, ESLs for the COC are the same for commercial/industrial and

residential use sites where groundwater is a potential drinking water resource, regardless of whether subsurface soil impact is less than or greater than 10 feet (or 3 meters) bgs.

Constituent	ESL (µg/L)
GRO/TPH-g	100
Benzene	1.0
Toluene	40
Ethylbenzene	30
Xylenes	13
MTBE	5.0
TBA	12

Of the groundwater samples collected on September 26 and 27, 2005 and November 3 and 7, 2005, ten samples (wells A-2, A-4, A-7, MW-10 and EX-1; borings A-2 through A-5, A-9, and A-10) reported concentrations at or above the ESLs for GRO and MTBE. Nine samples (wells A-2, A-4, A-7 and EX-1; borings A-2 through A-5, A-9, and A-10) reported concentrations at or above the ESLs for benzene. One sample, A-5 (19.5'), reported concentrations above the ESL for TBA.

5.0 GEOTRACKER

In accordance with GeoTracker requirements, URS will upload soil and groundwater analytical data and associated information into the GeoTracker database.

6.0 INVESTIGATION DERIVED WASTE DISPOSAL

Investigation derived waste generated during Site investigation activities was stored temporarily on-site in DOT approved 55-gallon drums pending analytical results and profiling. Following waste characterization, Dillard Environmental (Dillard) will transport the soil to an RM approved disposal facility. Upon receipt, URS will forward the waste manifests to the ACEHS upon request.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of this investigation was to further assess the extent of dissolved-phase hydrocarbons in soil and groundwater both laterally and vertically, on- and off-site. The results of the soil boring activities performed by URS can be summarized as follows:

- Maximum GRO, benzene and MTBE concentrations were detected in soil at concentrations of 490 mg/kg [A-4 (23.5-24')], 28 mg/kg [A-5 (35-35.5')] and 0.84 mg/kg [A-1 (46-46.5')], respectively. No DIPE, EDB, 1,2-DCA, ETBE, TAME or ethanol were detected above laboratory reporting limits in borings A-1 through A-5.
- Maximum GRO, benzene and MTBE concentrations were detected in groundwater at concentrations of 510,000 µg/L [A-2 (21.3)], 11,000 µg/L [A-4 (34'-36')] and 39,000 µg/L [boring A-4 (34'-36')], respectively. No TAME, ethanol, DIPE, ETBE or EDB was detected at or above their respective laboratory reporting limits.
- Borings A-1, A-2, A-7, A-8, A-9 and A-10 showed low to below their respective laboratory reporting limits for the constituents of concern in soil.
- The crossgradient and downgradient extent of the dissolved hydrocarbon plume has been completely characterized, as elevated dissolved hydrocarbon concentrations were reported in groundwater at locations A-4 and A-5.

Based on a review of the data, the lateral extent of dissolved phase hydrocarbons in soil and groundwater has been completed. The vertical extent of dissolved phase hydrocarbons on the south-southeastern portion of the Site has not been defined.

8.0 PROPOSED SCHEDULE

Upon completing vertical assessment of the Site including potentially installing additional remediation wells, a CAP will be prepared and submitted to ACEHS, as requested.

9.0 LIMITATIONS

This report is based on data, Site conditions and other information that is generally applicable as of the date of the report, and the conclusions and recommendations herein are therefore applicable only to that time frame. Background information including but not limited to previous field measurements, analytical results, Site plans and other data have been furnished to URS by RM, their previous consultants, and/or third parties, which URS has used in preparing this report. URS has relied on this information as furnished, and is neither responsible for nor has confirmed the accuracy of this information.

Analytical data provided by the RM approved laboratory has been reviewed and verified by the laboratory. URS has not performed an independent review of the data and is neither responsible for nor has confirmed the accuracy of this data. Field measurements have been supplied by a

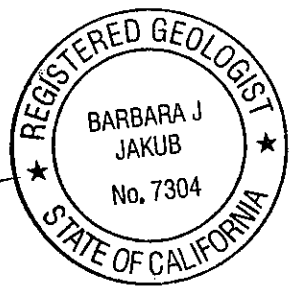
groundwater sampling subcontractor. URS has not performed an independent review of the field sampling data and is neither responsible for nor has confirmed the accuracy of this data.

If you have any questions or concerns, please contact Lynelle Onishi at (510) 874-1758.

Sincerely,
URS CORPORATION

Lynelle Onishi
Project Manager

Barbara J. Jakub, P.G.
Senior Geologist



cc: Ms. Sherry Boles, Eastmont Town Center, 7200 Bancroft Ave., Oakland, CA 94605-1907
Mr. Kyle Christie, RM (electronic file uploaded to ENFOS)
Mr. Ade Fagorala, San Francisco Bay Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, California 94612
Ms. Liz Sewell, ConocoPhilips (electronic file uploaded to URS ftp server)

ATTACHMENTS

Figure 1 - Site Location Map
Figure 2 - Soil Boring Locations
Figure 3 – Groundwater Elevation Contour Map Fourth Quarter 2005 (November 3, 2005)

Table 1 - Groundwater Elevation and Analytical Results
Table 2 - Fuel Oxygenate Analytical Results
Table 3 - Historical Groundwater Flow Direction and Gradient
Table 4 - Soil Analytical Results
Table 5 - Soil Boring Groundwater Analytical Results

Attachment A - ACEHS Correspondences
Attachment B - Soil Boring Logs
Attachment C - Field Procedures and Field Data Sheets
Attachment D - Laboratory Analytical Reports and Chain-Of-Custody Records

REFERENCES

Hunter Environmental Services, Inc. *Phase II Environmental Audit.* Eastmont Mall Property, Oakland, Alameda County, California. December 20, 1989.

Hydro Environmental Technologies, Inc. *Phase I Subsurface Investigation.* BP Oil Facility No. 11117, 7210 Bancroft Avenue, Oakland, California. August 25, 1992.

EMCON Northwest, Inc. *Baseline Assessment Report.* Site Number 11117, 7210 Bancroft Avenue, Oakland, California. December 27, 1994.

Hydro Environmental Technologies, Inc. *Site Assessment Report.* BP Oil Station No. 11117, 7210 Bancroft Avenue, Oakland, California. March 9, 1995.

Pacific Environmental Group, Inc. *Off Site Well Installation Report.* BP Oil Facility # 11117. 7210 Bancroft Avenue, Oakland, California. October 20, 1997.

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Alisto Engineering Group. *Results of Recovery Testing.* Former BP Oil Site No. 11117, 7210 Bancroft Avenue, Oakland, California. June 4, 1999.

Cambria Environmental Technology, Inc. *Well Installation, Interim Remedial Action and Recovery Testing Report.* Former BP Oil Site No. 11117, 7210 Bancroft Avenue, Oakland, California. August 15, 2000.

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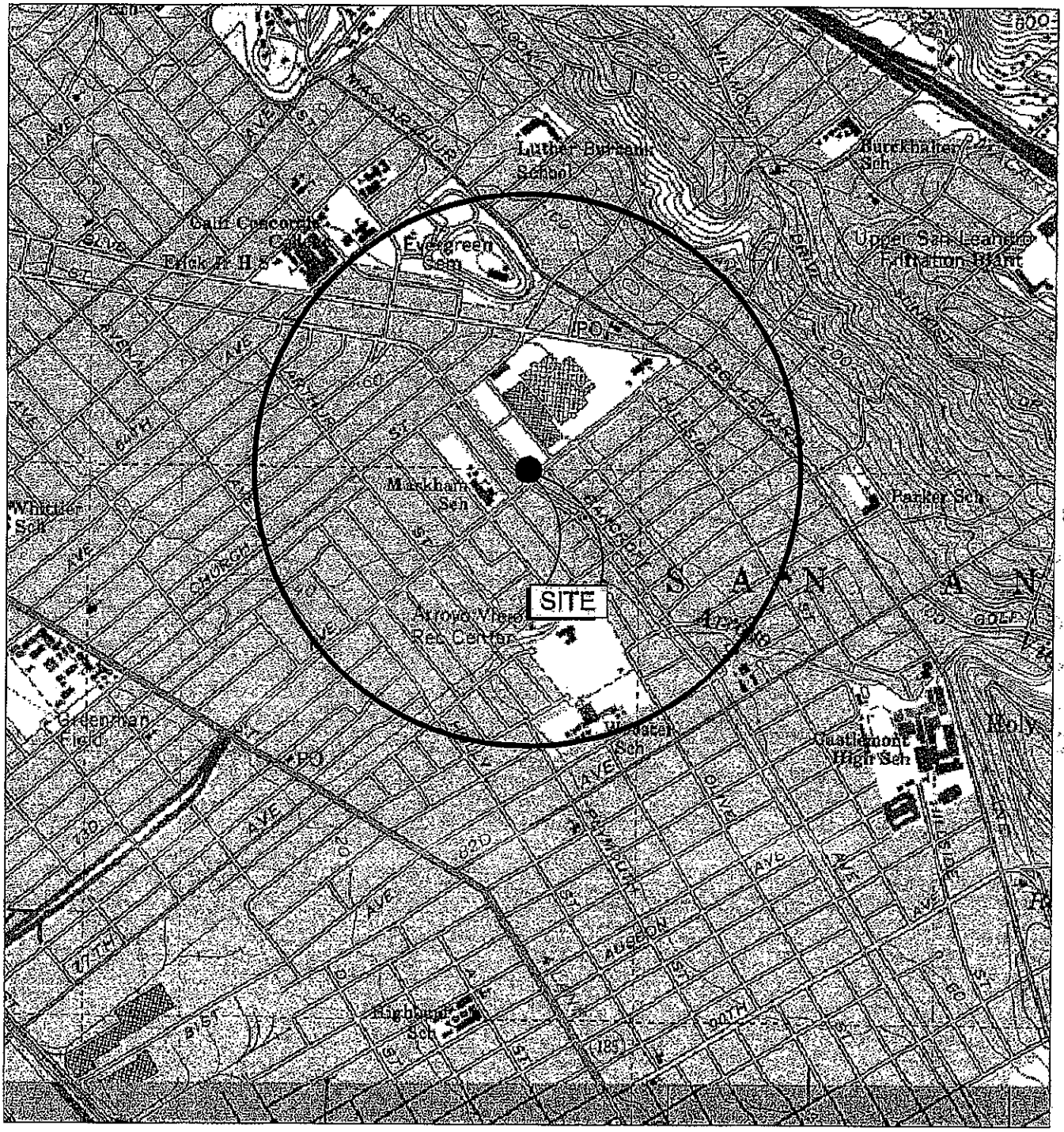
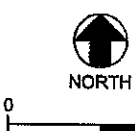
URS Corporation. *Soil and Groundwater Investigation Work Plan.* Former BP Service Station No. 11117, 7210 Bancroft Avenue, Oakland, California. May 9, 2005.

FIGURES



REF: BASE MAP FROM USGS TOPOI
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1998

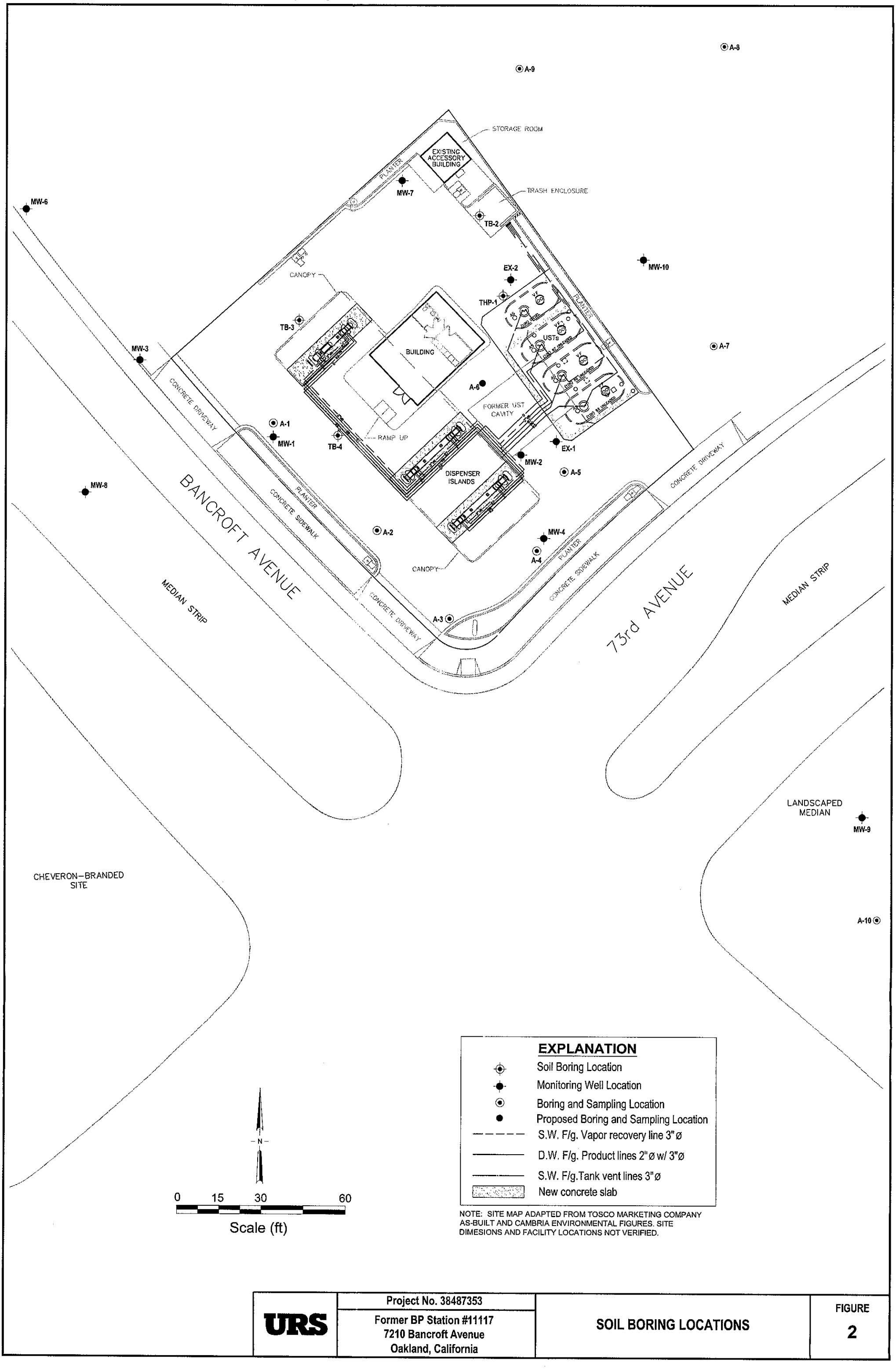
QUADRANGLE LOCATION



APPROXIMATE SCALE

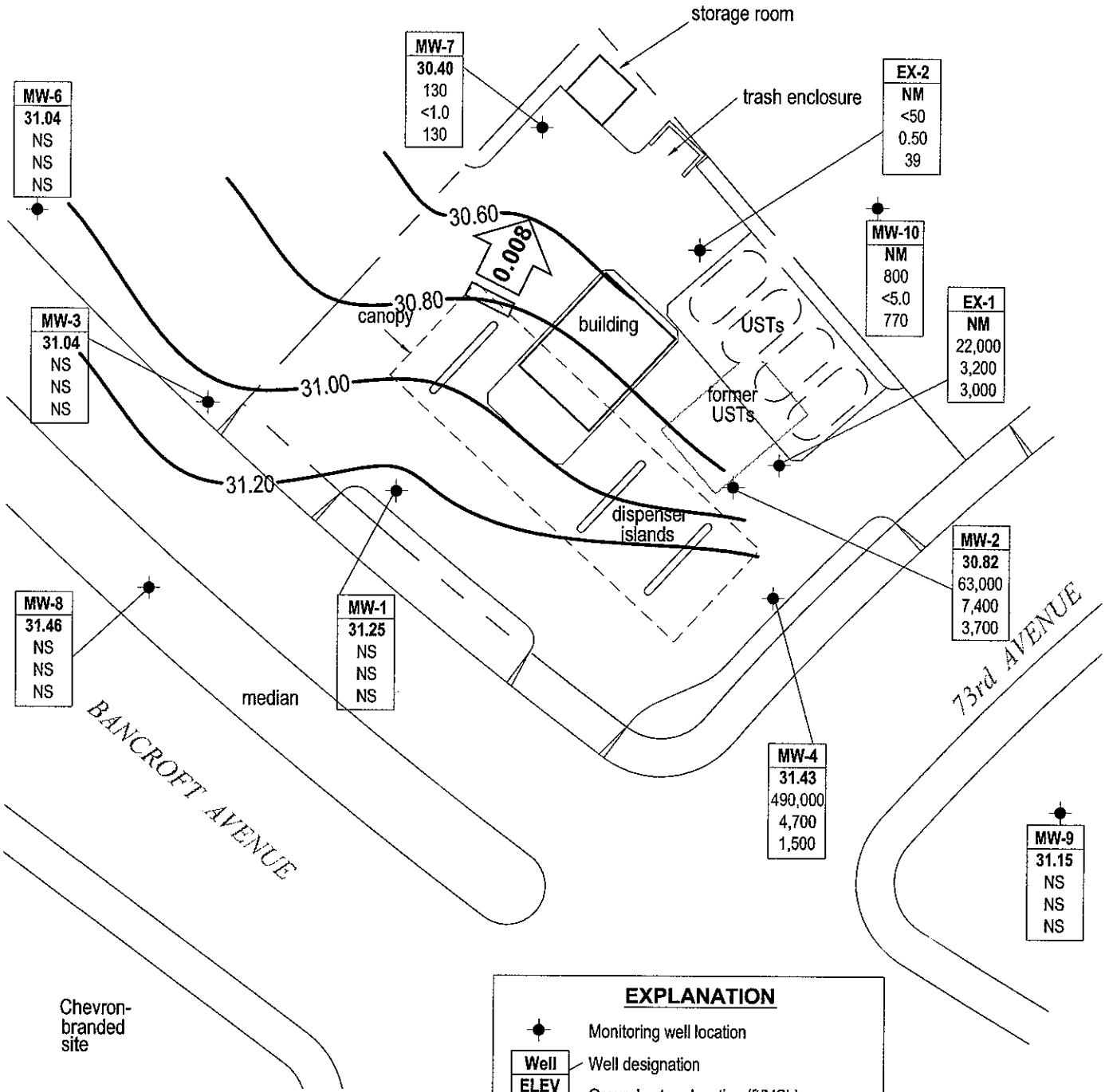
URS	Project No. 38486396 Former BP Service Station #11117 7210 Bancroft Avenue Oakland, California	SITE LOCATION MAP	FIGURE 1

X:\x_env_waste\BP GEM\Sites\Niles Sites\11117\Drawings\SITEMAP.dwg, 11/7/2003 11:47:21 AM, JKMT, URS



NOTE: SITE MAP ADAPTED FROM TOSCO MARKETING COMPANY AS-BUILT AND CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38487353 Former BP Station #11117 7210 Bancroft Avenue Oakland, California	SOIL BORING LOCATIONS	FIGURE 2



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

EXPLANATION

- Monitoring well location
- Well / ELEV / GRO / Benzene / MTBE — Well designation; Groundwater elevation (ft/MSL); GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L)
- 0.03 — Groundwater flow gradient and direction (ft/ft)
- 34.20 — Groundwater elevation contour (ft/MSL)
- < — Not detected at or above laboratory reporting limit
- NM — Not measured
- NS — Not sampled
- NA — Not available, well elevation not surveyed

URS

Project No. 38487251

Former BP Service Station #11117
7210 Bancroft Avenue
Oakland, California

GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP
Fourth Quarter 2005 (November 3, 2005)

FIGURE 3

Nov 30, 2005 - 10:31am
X:\X_ENV_WASTE\BPG-UY3A\SITES\LNI-M8BI\11117\Reports\Monitoring\2005 4Q\Drawings\11117-4Q05-GW.dwg

TABLES

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
EX-1	05/04/2004	P	--	16.29	--	--	12,000	2,300	430	740	1,100	2,500	--	SEQM	6.8	h
	08/31/2004	P	--	19.39	--	--	13,000	2,500	95	650	1,500	2,100	--	SEQM	6.7	h
	11/23/2004	P	--	17.90	--	--	13,000	2,700	94	460	1,700	3,000	--	SEQM	6.9	
	01/18/2005	P	--	14.20	--	--	16,000	2,100	390	570	2,500	2,200	--	SEQM	6.6	
	06/29/2005	P	--	14.22	--	--	6,400	1,100	52	280	790	1,400	--	SEQM	7.2	
	09/01/2005	P	--	17.22	--	--	7,900	2,000	94	400	870	2,000	--	SEQM	6.7	
	11/03/2005	**P**	**--**	**19.92**	**--**	**--**	**22,000**	**3,200**	**640**	**550**	**3,300**	**3,000**	**0.88**	**SEQM**	**6.8**	
EX-2	05/04/2004	P	--	16.65	--	--	<50	0.63	<0.50	<0.50	0.66	46	--	SEQM	6.7	h
	08/31/2004	P	--	19.90	--	--	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.9	h
	11/23/2004	P	--	18.36	--	--	<50	0.74	<0.50	0.83	3.0	5.8	--	SEQM	6.6	
	01/18/2005	P	--	14.67	--	--	<50	<0.50	<0.50	<0.50	0.69	6.5	--	SEQM	6.5	
	06/29/2005	P	--	14.60	--	--	<50	<0.50	<0.50	<0.50	0.50	24	--	SEQM	6.8	s
	09/01/2005	P	--	17.28	--	--	<50	<0.50	1.4	<0.50	1.4	55	--	SEQM	7.0	
	11/03/2005	**P**	**--**	**20.42**	**--**	**--**	**<50**	**0.50**	**<0.50**	**<0.50**	**1.4**	**39**	**0.77**	**SEQM**	**6.9**	
MW-1	1/5/1992	--	49.8	33.16	--	16.64	57,000	2,400	1,000	1,100	3,100	--	--	---	---	
	1/10/1992	--	49.8	33.16	--	16.64	--	--	--	--	--	--	--	---	---	
	6/5/1992	--	49.8	29.01	--	20.79	31,000	2,800	2,100	800	2,300	--	--	---	---	
	7/24/1992	--	49.8	29.45	--	20.35	--	--	--	--	--	--	--	---	---	
	7/27/1992	--	49.8	29.45	--	20.35	--	--	--	--	--	--	--	---	---	
	9/15/1992	--	--	--	--	--	36,000	3,800	3,400	1,400	3,800	--	--	ANA	---	d
	9/15/1992	--	49.8	30.53	--	19.27	40,000	3,400	3,000	1,300	3,400	--	--	ANA	---	c
	12/15/1992	--	--	--	--	--	22,000	1,500	440	510	1,300	--	--	ANA	---	d
	12/15/1992	--	49.8	31.26	--	18.54	27,000	1,700	580	700	1,900	--	--	ANA	---	c
	3/15/1993	--	--	--	--	--	15,000	1,100	860	440	1,400	--	--	PACE	---	d, l
	3/15/1993	--	49.8	24.80	--	25.00	17,000	1,700	1,200	590	1,800	--	--	PACE	---	l
	6/7/1993	--	--	--	--	--	720	0.7	0.7	<0.5	<0.5	--	--	PACE	---	d, l
	6/7/1993	--	49.8	25.01	--	24.79	750	0.8	0.8	<0.5	<0.5	--	--	PACE	---	l
	9/23/1993	--	49.8	28.70	--	21.10	40,000	4,000	500	920	3,000	6,619	--	PACE	---	e, l
	12/27/1993	--	--	--	--	--	21,000	1,700	380	830	2,400	9,219	--	PACE	---	e,l, d
	12/27/1993	--	49.8	28.66	--	21.14	27,000	2,000	400	940	2,600	13,558	--	PACE	---	e, l
	4/5/1994	--	--	--	--	--	29,000	3,700	1,000	1,000	3,100	9,672	1.3	PACE	---	e,l, d
	4/5/1994	--	49.8	26.37	--	23.43	27,000	3,400	930	950	2,900	8,595	--	PACE	---	e,l,
	7/22/1994	--	49.8	26.54	--	23.26	1,700	220	2.3	2	3.4	262	2.0	PACE	---	e,l
	10/13/1994	--	49.8	27.46	--	22.34	1,200	250	21	<0.5	3.2	321	2.6	PACE	---	e,l

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117

7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	1/25/1995	--	49.8	20.96	--	28.84	1,000	420	8	13	4	--	--	ATI	---	
	4/19/1995	--	49.8	19.59	--	30.21	5,200	420	51	230	340	--	6.0	ATI	---	
	7/5/1995	--	49.8	19.61	--	30.19	320	4.2	<0.50	<0.50	<1.0	--	4.6	ATI	---	
	10/5/1995	--	49.8	24.40	--	25.40	5,800	1,000	40	31	180	7,800	2.3	ATI	---	
	1/12/1996	--	49.8	25.44	--	24.36	370	<0.50	<0.50	<0.50	<1.0	<5.0	3.7	ATI	---	
	4/22/1996	--	49.8	18.02	--	31.78	<50	<0.5	<1	<1	<1	<10	3.9	SPL	---	
	7/2/1996	--	49.8	19.72	--	30.08	--	--	--	--	--	--	--	---	---	
	7/3/1996	--	49.8	--	--	--	<250	<2.5	<5	<5	<5	<50	3.6	SPL	---	
	11/8/1996	--	49.8	19.98	--	29.82	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	---	
	1/3/1997	--	49.8	19.49	--	30.31	<50	<0.5	14	<1.0	<1.0	<10	4.6	SPL	---	
	4/28/1997	--	49.8	20.20	--	29.60	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	7/1/1997	--	49.8	22.53	--	27.27	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	10/2/1997	--	49.8	24.27	--	25.53	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	---	
	1/9/1998	--	49.8	21.07	--	28.73	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	---	
	5/6/1998	--	49.8	14.94	--	34.86	60	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	7/21/1998	--	49.8	15.11	--	34.69	70	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	12/30/1998	--	49.8	19.95	--	29.85	--	--	--	--	--	--	--	---	---	
	2/2/1999	--	49.8	19.12	--	30.68	420	<1.0	<1.0	<1.0	<1.0	390	--	SPL	---	
	5/10/1999	--	49.8	15.51	--	34.29	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	49.8	21.65	--	28.15	440	49	<1.0	<1.0	<1.0	910	--	SPL	---	
	12/23/1999	--	49.8	22.32	--	27.48	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	49.8	15.72	--	34.08	2,500	230	3	83	36	4,400	--	PACE	---	
	5/22/2000	--	49.8	16.92	--	32.88	--	--	--	--	--	--	--	---	---	
	8/31/2000	--	49.8	20.12	--	29.68	1,700	18	5.5	7.9	5	510	--	PACE	---	
	12/11/2000	--	49.8	20.72	--	29.08	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	49.8	15.91	--	33.89	880	38.2	<0.5	24.1	<1.5	391	--	PACE	---	
	6/19/2001	--	49.8	18.38	--	31.42	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	49.8	21.23	--	28.57	3,200	400	19.8	42	32.5	2,510	--	PACE	---	
	12/27/2001	--	49.8	16.72	--	33.08	750	70.1	0.536	4.74	3.76	649	--	PACE	---	
	2/28/2002	--	49.8	15.25	--	34.55	<50	<0.5	<0.5	<0.5	<1.0	8.7	--	PACE	---	
	6/28/2002	--	49.8	16.57	--	33.23	110	0.977	<0.5	0.818	<1.0	8.35	--	PACE	---	
	9/12/2002	--	49.8	18.41	--	31.39	98	2.7	1.5	1.5	5.4	48	--	SEQ	6.9	
	12/12/2002	--	49.8	20.26	--	29.54	210	1.9	<0.50	<0.50	<0.50	32	--	SEQ	6.8	
	3/10/2003	--	49.8	16.22	--	33.58	<50	<0.50	<0.50	<0.50	<0.50	3.2	--	SEQ	6.9	
	5/12/2003	--	49.8	14.30	--	35.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.1	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-1	8/27/2003	--	49.8	18.15	--	31.65	<50	<0.50	<0.50	<0.50	<0.50	4.2	--	SEQ	7.1	n
	11/10/2003	P	49.80	19.24	--	30.56	<50	<0.50	<0.50	<0.50	<0.50	0.51	--	SEQM	6.8	
	02/03/2004	P	49.80	14.84	--	34.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	05/04/2004	P	49.80	14.67	--	35.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
	08/31/2004	P	49.80	17.75	--	32.05	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.1	
	11/23/2004	--	49.80	16.03	--	33.77	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	49.80	12.47	--	37.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
	06/29/2005	--	49.80	12.65	--	37.15	--	--	--	--	--	--	--	--	--	
	09/01/2005	--	49.80	15.79	--	34.01	--	--	--	--	--	--	--	--	--	
	11/03/2005	**--**	**49.80**	**18.55**	**--**	**31.25**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-2	1/5/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	---	---	r
	1/10/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	---	---	r
	6/5/1992	--	51.07	30.05	--	21.02	11,000	2,000	180	490	1,900	--	--	---	---	
	7/24/1992	--	51.07	30.72	--	20.35	--	--	--	--	--	--	--	---	---	
	7/27/1992	--	51.07	30.52	--	20.55	--	--	--	--	--	--	--	---	---	
	9/15/1992	--	51.07	31.56	--	19.51	75,000	2,000	6,500	2,300	13,000	--	--	ANA	---	c
	12/15/1992	--	51.07	32.40	--	18.67	34,000	6,200	8,900	2,000	7,900	--	--	ANA	---	c
	3/15/1993	--	51.07	26.14	--	24.93	150,000	12,000	18,000	3,200	22,000	82,000	--	PACE	---	e
	6/7/1993	--	51.07	26.38	--	24.69	--	--	--	--	--	--	--	---	---	f
	9/23/1993	--	51.07	31.43	1.92	17.72	--	--	--	--	--	--	--	---	---	f
	12/27/1993	--	51.07	34.07	1.07	15.93	--	--	--	--	--	--	--	---	---	f
	4/5/1994	--	51.07	30.44	3.30	17.33	--	--	--	--	--	--	--	---	---	f
	7/22/1994	--	51.07	28.51	0.80	21.76	--	--	--	--	--	--	--	---	---	f
	10/13/1994	--	51.07	29.33	0.70	21.04	--	--	--	--	--	--	--	---	---	f
	1/25/1995	--	51.07	25.55	4.25	21.27	--	--	--	--	--	--	--	---	---	f
	4/19/1995	--	51.07	19.78	0.12	31.17	--	--	--	--	--	--	--	---	---	f
	7/5/1995	--	51.07	20.88	0.09	30.10	140,000	14,000	30,000	3,500	26,000	--	--	ATI	---	
	10/5/1995	--	51.07	24.68	0.10	26.29	--	--	--	--	--	--	--	---	---	f
	1/12/1996	--	51.07	25.72	0.06	25.29	--	--	--	--	--	--	--	---	---	f
	4/22/1996	--	51.07	19.33	0.08	31.66	--	--	--	--	--	--	--	---	---	f
	7/2/1996	--	51.07	20.01	0.04	31.02	--	--	--	--	--	--	--	---	---	f
	11/8/1996	--	51.07	20.28	0.01	30.78	--	--	--	--	--	--	--	---	---	f
	1/3/1997	--	51.07	19.87	0.02	31.18	--	--	--	--	--	--	--	---	---	f
	4/28/1997	--	51.07	20.59	0.01	30.47	560,000	1,200	1,300	290	2,310	6,100	3.9	SPL	---	
	7/1/1997	--	--	--	--	--	150,000	14,000	13,000	1,800	14,200	57,000	--	SPL	---	d

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	7/1/1997	--	51.07	22.90	0.01	28.16	24,000	15,000	16,000	4,900	24,400	63,000	3.7	SPL	---	
	10/2/1997	--	51.07	24.65	0.02	26.40	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	51.07	--	--	--	250,000	32,000	39,000	6,000	42,000	160,000	4.5	SPL	---	
	1/9/1998	--	--	--	--	--	300,000	20,000	25,000	5,200	37,000	84,000	--	SPL	---	d
	1/9/1998	--	51.07	21.22	0.01	29.84	420,000	23,000	29,000	5,800	43,000	75,000	4.0	SPL	---	
	2/2/1998	--	51.07	20.11	--	30.96	410,000	27,000	43,000	6,700	50,000	20,000	--	SPL	---	
	5/6/1998	--	51.07	15.10	0.01	35.96	180,000	25,000	26,000	3,400	22,900	35,000	3.7	SPL	---	
	7/21/1998	--	51.07	15.31	0.01	35.75	270,000	21,000	20,000	2,700	18,800	34,000	3.8	SPL	---	
	12/30/1998	--	51.07	21.10	0.10	29.87	300,000	22,000	24,000	4,200	26,000	89000/95000	--	SPL	---	j
	5/10/1999	--	51.07	16.68	--	34.39	220,000	20,000	20,000	2,800	20,000	100,000	--	SPL	---	
	9/23/1999	--	51.07	22.50	--	28.57	160,000	21,000	24,000	2,900	20,000	44,000	--	SPL	---	
	12/23/1999	--	51.07	22.64	--	28.43	170,000	25,000	41,000	3,100	24,000	40,000	--	PACE	---	k
	3/27/2000	--	51.07	16.88	--	34.19	140,000	15,000	25,000	3,400	21,000	19,000	--	PACE	---	
	5/22/2000	--	51.07	17.75	--	33.32	150,000	18,000	31,000	3,500	22,000	26,000	--	PACE	---	
	8/31/2000	--	51.07	21.97	--	29.10	200,000	16,000	26,000	2,500	16,000	38,000	--	PACE	---	
	12/11/2000	--	51.07	22.05	--	29.02	130,000	18,600	30,000	3,250	20,600	21,700	--	PACE	---	
	3/20/2001	--	51.07	17.75	--	33.32	140,000	15,900	24,800	3,700	22,100	12,900	--	PACE	---	
	6/19/2001	--	51.07	20.15	--	30.92	130,000	15,100	19,500	3,300	21,400	20,300	--	PACE	---	
	9/20/2001	--	51.07	22.14	--	28.93	110,000	12,400	12,600	2,230	13,000	39,500	--	PACE	---	
	12/27/2001	--	51.07	18.17	--	32.90	150,000	17,500	26,000	3,050	19,500	27,500	--	PACE	---	
	2/28/2002	--	51.07	17.42	--	33.65	120,000	13,900	18,800	3,030	19,600	17,300	--	PACE	---	
	6/28/2002	--	51.07	17.04	--	34.03	3,700	190	23.3	139	287	826	--	PACE	---	u
	9/12/2002	--	51.07	19.52	--	31.55	100,000	13,000	22,000	3,600	20,000	18,000	--	SEQ	6.6	
	12/12/2002	--	51.07	21.08	--	29.99	120,000	13,000	21,000	4,400	25,000	16,000	--	SEQ	6.6	
	3/10/2003	--	51.07	17.84	--	33.23	100,000	17,000	21,000	3,400	20,000	4,400	--	SEQ	6.8	
	5/12/2003	--	51.07	16.66	--	34.41	150,000	16,000	24,000	3,500	22,000	3,600	--	SEQ	7.1	
	8/27/2003	--	51.07	19.65	--	31.42	120,000	14,000	12,000	3,900	20,000	5,100	--	SEQ	6.9	n
	11/10/2003	P	51.07	20.80	--	30.27	97,000	12,000	9,500	3,600	15,000	4,200	--	SEQM	6.7	
	02/03/2004	P	51.07	16.82	--	34.25	130,000	14,000	19,000	3,400	20,000	1,900	--	SEQM	6.8	
	05/04/2004	P	51.07	16.19	--	34.88	120,000	12,000	16,000	3,700	22,000	2,500	--	SEQM	6.7	
	08/31/2004	P	51.07	19.50	--	31.57	99,000	10,000	13,000	3,700	18,000	3,400	--	SEQM	6.8	
	11/23/2004	P	51.07	18.20	--	32.87	110,000	8,200	17,000	4,000	23,000	2,400	--	SEQM	6.7	s
	01/18/2005	P	51.07	14.91	--	36.16	96,000	6,500	14,000	3,500	21,000	3,700	--	SEQM	6.6	
	06/29/2005	P	51.07	13.98	--	37.09	54,000	6,200	4,900	3,300	12,000	3,600	--	SEQM	7.3	
	09/01/2005	P	51.07	17.00	--	34.07	58,000	6,300	6,000	3,300	15,000	5,100	--	SEQM	7.0	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-2	**11/03/2005**	**P**	**51.07**	**20.25**	**--**	**30.82**	**63,000**	**7,400**	**3,700**	**3,300**	**10,000**	**3,700**	**0.66**	**SEQM**	**6.7**	
MW-3	1/5/1992	--	49.95	33.69	--	16.26	7,400	790	23	210	40	--	--	---	---	
	1/10/1992	--	49.95	33.74	--	16.21	--	--	--	--	--	--	--	---	---	
	6/5/1992	--	49.95	29.65	--	20.30	2,000	130	5.3	93	20	--	--	---	---	
	7/24/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	---	---	
	7/27/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	---	---	
	9/15/1992	--	49.95	31.07	--	18.88	450	55	3.1	34	7.1	--	--	ANA	---	
	12/15/1992	--	49.95	31.93	--	18.02	12,000	940	<50	310	120	--	--	ANA	---	c
	3/15/1993	--	49.95	25.71	--	24.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	---	l
	6/7/1993	--	49.95	25.80	--	24.15	150	3.6	<0.5	0.9	1.3	--	--	PACE	---	l
	9/23/1993	--	49.95	29.18	--	20.77	--	--	--	--	--	--	--	---	---	
	9/24/1993	--	49.95	--	--	--	160	8.4	<0.5	3.7	1.3	15.3	--	PACE	---	l
	12/27/1993	--	49.95	29.25	--	20.70	9,400	1,100	48	530	120	2,871	--	PACE	---	e,l
	4/5/1994	--	49.95	26.84	--	23.11	7,000	860	19	330	52	10,414	2.0	PACE	---	l
	7/22/1994	--	49.95	26.90	--	23.11	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	PACE	---	l
	10/13/1994	--	49.95	27.83	--	22.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6	PACE	---	l
	1/25/1995	--	49.95	21.65	--	28.30	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	---	
	4/19/1995	--	49.95	19.33	--	30.62	2,400	170	8	130	27	--	5.0	ATI	---	
	7/5/1995	--	49.95	20.27	--	29.68	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	---	
	10/5/1995	--	49.95	23.73	--	26.22	2,300	210	3.1	10	5.1	2,400	4.2	ATI	---	
	1/12/1996	--	49.95	24.84	--	25.11	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	---	
	4/22/1996	--	49.95	18.60	--	31.35	<50	<0.5	<1	<1	<1	<10	4.4	SPL	---	
	7/2/1996	--	49.95	18.88	--	31.07	<50	<0.5	<1	<1	<1	<10	4.2	SPL	---	
	11/8/1996	--	49.95	19.14	--	30.81	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	---	
	1/3/1997	--	49.95	18.72	--	31.23	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	---	
	4/28/1997	--	49.95	19.38	--	30.57	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	---	
	7/1/1997	--	49.95	21.65	--	28.30	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	10/2/1997	--	49.95	23.45	--	26.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	SPL	---	
	1/9/1998	--	49.95	20.10	--	29.85	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	---	
	5/6/1998	--	49.95	15.57	--	34.38	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	7/21/1998	--	--	--	--	--	60	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	---	d
	7/21/1998	--	49.95	15.88	--	34.07	51	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	12/30/1998	--	49.95	20.30	--	29.65	--	--	--	--	--	--	--	SPL	---	
	2/2/1999	--	49.95	19.75	--	30.20	<50	<1.0	<1.0	<1.0	<1.0	<10	--	SPL	---	
	5/10/1999	--	49.95	16.17	--	33.78	--	--	--	--	--	--	--	---	---	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-3	9/23/1999	--	49.95	22.05	--	27.90	--	--	--	--	--	--	--	---	---	
	12/23/1999	--	49.95	22.55	--	27.40	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	49.95	16.40	--	33.55	350	22	<0.5	<0.5	<0.5	580	--	PACE	---	
	5/22/2000	--	49.95	9.49	--	40.46	--	--	--	--	--	--	--	---	---	t
	8/31/2000	--	49.95	13.02	--	36.93	--	--	--	--	--	--	--	---	---	t
	12/11/2000	--	49.95	13.30	--	36.65	--	--	--	--	--	--	--	---	---	t
	3/20/2001	--	49.95	16.49	--	33.46	1,000	66.4	0.597	6.96	<1.5	398	--	PACE	---	
	6/19/2001	--	49.95	18.82	--	31.13	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	49.95	21.59	--	28.36	230	<0.5	0.593	<0.5	<1.5	289	--	PACE	---	
	12/27/2001	--	49.95	17.37	--	32.58	--	--	--	--	--	--	--	---	---	
	2/28/2002	--	49.95	15.81	--	34.14	<50	<0.5	<0.5	<0.5	<1.0	0.58	--	PACE	---	
	6/28/2002	--	49.95	17.09	--	32.86	--	--	--	--	--	--	--	---	---	
	9/12/2002	--	49.95	18.80	--	31.15	52	3.3	8.6	1.7	12	11	--	SEQ	7.0	
	12/12/2002	--	49.95	20.57	--	29.38	--	--	--	--	--	--	--	---	---	
	3/10/2003	--	49.95	16.68	--	33.27	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.0	
	5/12/2003	--	49.95	14.72	--	35.23	--	--	--	--	--	--	--	---	---	
	8/27/2003	--	49.95	18.50	--	31.45	<50	<0.50	<0.50	<0.50	0.5	<0.50	--	---	7.1	n
	11/10/2003	--	49.95	19.66	--	30.29	--	--	--	--	--	--	--	--	--	
	02/03/2004	P	49.95	15.33	--	34.62	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	08/31/2004	P	49.95	18.13	--	31.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
	11/23/2004	--	49.95	16.48	--	33.47	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	49.95	13.06	--	36.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
	06/29/2005	--	49.95	13.00	--	36.95	--	--	--	--	--	--	--	--	--	
	09/01/2005	--	49.95	16.00	--	33.95	--	--	--	--	--	--	--	--	--	
	11/03/2005	**--**	**49.95**	**18.91**	**--**	**31.04**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-4	7/24/1992	--	50.76	30.02	--	20.74	42,000	3,200	3,600	1,400	4,100	--	--	---	---	
	7/27/1992	--	50.76	30.02	--	20.74	--	--	--	--	--	--	--	---	---	
	9/15/1992	--	50.76	31.14	--	19.62	55,000	7,600	13,000	2,800	9,500	--	--	ANA	---	c
	12/15/1992	--	50.76	31.98	--	18.78	36,000	3,700	4,700	1,200	4,000	--	--	ANA	---	c
	3/15/1993	--	50.76	25.34	--	25.42	69,000	7,600	15,000	2,500	11,000	--	--	PACE	---	l
	6/7/1993	--	50.76	25.67	--	25.09	73,000	10,000	19,000	3,400	14,000	--	--	PACE	---	l
	9/23/1993	--	50.76	29.37	--	21.39	--	--	--	--	--	--	--	---	---	
	9/24/1993	--	--	--	--	--	59,000	5,300	10,000	2,200	8,400	309	--	PACE	---	d
	9/24/1993	--	50.76	--	--	--	68,000	11,000	2,100	8,600	990	390	--	PACE	---	l
	12/27/1993	--	50.76	29.40	--	21.36	32,000	2,500	4,400	1,300	4,400	387	--	PACE	---	l

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-4	4/5/1994	--	50.76	27.09	--	23.67	64,000	6,500	14,000	1,900	9,600	413	1.4	PACE	---	l
	7/22/1994	--	--	--	--	--	85,000	11,000	21,000	3,300	14,000	435	--	PACE	---	d, l
	7/22/1994	--	50.76	27.33	--	23.43	85,000	10,000	20,000	3,200	13,000	796	0.8	PACE	---	l
	10/13/1994	--	--	--	--	--	51,000	7,400	13,000	2,100	9,100	773	--	PACE	---	d, l
	10/13/1994	--	50.76	28.25	--	22.51	51,000	7,100	13,000	2,100	8,900	506	2.9	PACE	---	e,l
	1/25/1995	--	--	--	--	--	28,000	4,200	12,000	1,500	7,800	--	--	ATI	---	d, l
	1/25/1995	--	50.76	21.85	--	28.91	26,000	3,600	9,600	1,200	6,400	--	--	ATI	---	
	4/19/1995	--	--	--	--	--	100,000	12,000	26,000	3,800	21,000	--	--	ATI	---	d
	4/19/1995	--	50.76	19.44	--	31.32	89,000	12,000	24,000	3,500	18,000	--	5.1	ATI	---	
	7/5/1995	--	50.76	20.52	--	30.24	130,000	13,000	29,000	3,300	25,000	--	4.3	ATI	---	
	10/5/1995	--	50.76	24.23	--	26.53	110,000	10,000	23,000	3,600	17,000	34,000	2.1	ATI	---	
	1/12/1996	--	--	--	--	--	40,000	3,500	9,000	1,200	8,700	4,300	--	ATI	---	d
	1/12/1996	--	50.76	25.34	--	25.42	46,000	3,500	8,300	1,100	8,000	3,000	3.3	ATI	---	
	4/22/1996	--	--	--	--	--	61,000	8,300	16,000	1,600	15,200	36,000	--	SPL	---	d
	4/22/1996	--	50.76	19.13	--	31.63	40,000	5,100	9,600	980	11,800	29,000	3.2	SPL	---	
	7/2/1996	--	--	--	--	--	78,000	9,800	21,000	1,900	15,300	42,000	--	SPL	---	d
	7/2/1996	--	50.76	20.67	--	30.09	74,000	9,800	21,000	2,100	16,600	41,000	3.4	SPL	---	
	11/8/1996	--	--	--	--	--	110,000	9,100	20,000	3,000	15,400	39,000	--	SPL	---	d
	11/8/1996	--	50.76	20.95	--	29.81	100,000	7,900	16,000	2,500	13,700	37,000	3.7	SPL	---	
	1/3/1997	--	--	--	--	--	66,000	12,000	19,000	2,900	15,000	69,000	--	SPL	---	d
	1/3/1997	--	50.76	20.54	--	30.22	99,000	17,000	30,000	4,300	22,700	79,000	4.2	SPL	---	
	4/28/1997	--	--	--	--	--	110,000	11,000	26,000	3,200	18,200	34,000	--	SPL	---	d
	4/28/1997	--	50.76	21.28	--	29.48	130,000	12,000	28,000	3,800	21,000	37,000	3.9	SPL	---	
	7/1/1997	--	50.76	23.61	--	27.15	110,000	16,000	25,000	4,900	24,400	37,000	3.6	SPL	---	
	10/2/1997	--	50.76	25.39	--	25.37	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	--	--	--	--	71,000	8,600	8,700	2,900	13,500	84,000	--	SPL	---	d
	10/3/1997	--	50.76	--	--	--	66,000	8,200	8,600	2,700	13,400	80,000	4.4	SPL	---	
	1/9/1998	--	50.76	21.25	--	29.51	100,000	9,700	3,200	1,500	4,700	92,000	3.8	SPL	---	
	5/6/1998	--	--	--	--	--	440,000	8,000	39,000	14,000	70,000	<5000	--	SPL	---	d
	5/6/1998	--	50.76	15.96	--	34.80	430,000	6,900	31,000	11,000	56,000	<5000	3.9	SPL	---	
	7/21/1998	--	--	--	--	--	210,000	11,000	27,000	5,600	26,800	29,000	--	SPL	---	d
	7/21/1998	--	50.76	16.10	--	34.66	250,000	11,000	26,000	5,500	26,900	29,000	3.7	SPL	---	
	12/30/1998	--	50.76	20.91	--	29.85	370,000	11,000	22,000	8,500	40,000	90000/92000	--	SPL	---	j
	2/2/1999	--	50.76	20.13	--	30.63	190,000	4,100	19,000	4,800	32,000	28,000	--	SPL	---	
	5/10/1999	--	50.76	16.63	--	34.13	2,700	23	7.1	8.1	25	120	--	SPL	---	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-4	9/23/1999	--	50.76	22.48	--	28.28	180,000	11,000	29,000	7,000	38,000	12,000	--	SPL	---	
	12/23/1999	--	50.76	22.94	--	27.82	66,000	6,300	5,200	2,200	7,800	35,000	--	PACE	---	k
	3/27/2000	--	50.76	16.84	--	33.92	120,000	8,700	12,000	3,800	16,000	27,000	--	PACE	---	
	5/22/2000	--	50.76	17.85	--	32.91	110,000	7,600	16,000	4,400	20,000	25,000	--	PACE	---	
	8/31/2000	--	50.76	21.71	--	29.05	110,000	8,800	7,600	3,400	14,000	18,000	--	PACE	---	
	12/11/2000	--	50.76	22.05	--	28.71	70,000	4,580	3,480	2,550	9,220	24,400	--	PACE	---	
	3/20/2001	--	50.76	17.68	--	33.08	100,000	7,100	4,530	2,540	9,370	63,100	--	PACE	---	
	6/19/2001	--	50.76	19.40	--	31.36	180,000	7,430	14,600	5,400	25,300	36,100	--	PACE	---	
	9/20/2001	--	50.76	22.01	0.03	28.75	--	--	--	--	--	--	--	---	---	f, m
	12/27/2001	--	50.76	17.96	--	32.80	120,000	6,880	9,030	2,840	14,600	32,300	--	PACE	---	
	2/28/2002	--	50.76	17.06	--	33.70	80,000	4,920	5,450	2,220	12,300	35,900	--	PACE	---	
	6/28/2002	--	50.76	17.76	--	33.00	48,000	2,780	2,770	1,530	6,790	25,100	--	PACE	---	
	9/12/2002	--	50.76	19.45	--	31.31	46,000	4,500	6,800	2,600	10,000	9,100	--	SEQ	6.8	
	12/12/2002	--	50.76	21.29	--	29.47	36,000	5,200	3,400	2,000	6,500	12,000	--	SEQ	6.7	
	3/10/2003	--	50.76	17.16	--	33.60	70,000	7,000	4,800	3,300	13,000	29,000	--	SEQ	6.7	
	5/12/2003	--	50.76	14.51	--	36.25	75,000	7,600	3,700	3,400	13,000	26,000	--	SEQ	6.8	
	8/27/2003	--	50.76	19.32	--	31.44	77,000	7,500	1,300	2,100	4,000	32,000	--	SEQ	6.8	n, s
	11/10/2003	P	50.76	20.36	--	30.40	110,000	7,100	3,100	2,100	5,800	25,000	--	SEQM	6.6	
	02/03/2004	P	50.76	16.51	--	34.25	160,000	8,400	9,700	5,000	23,000	26,000	--	SEQM	6.7	
	05/04/2004	P	50.76	16.47	--	34.29	110,000	8,100	7,500	4,300	17,000	<250	--	SEQM	6.7	
	08/31/2004	P	50.76	19.16	--	31.60	91,000	6,600	8,400	3,700	14,000	14,000	--	SEQM	6.7	
	11/23/2004	P	50.76	18.02	--	32.74	7,400,000	20,000	150,000	320,000	1,400,000	23,000	--	SEQM	6.6	s
	01/18/2005	P	50.76	14.21	--	36.55	170,000	5,400	14,000	6,900	33,000	8,800	--	SEQM	6.5	s
	06/29/2005	P	50.76	13.86	--	36.90	640,000	3,500	25,000	24,000	110,000	1,700	--	SEQM	7.2	
	09/01/2005	P	50.76	16.89	--	33.87	100,000	3,800	11,000	4,900	33,000	1,100	--	SEQM	6.7	
	11/03/2005	**P**	**50.76**	**19.33**	**--**	**31.43**	**490,000**	**4,700**	**11,000**	**10,000**	**49,000**	**1,500**	**0.5**	**SEQM**	**6.6**	
MW-6	7/24/1992	--	50.32	30.63	--	19.69	ND	1.6	ND	ND	ND	--	--	---	---	
	7/27/1992	--	50.32	30.63	--	19.69	--	--	--	--	--	--	--	---	---	
	9/15/1992	--	50.32	31.52	--	18.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	---	
	12/15/1992	--	50.32	32.42	--	17.90	58	1.3	<0.5	<0.5	<0.5	--	--	ANA	---	
	3/15/1993	--	50.32	26.29	--	24.03	<50	<0.5	0.6	<0.5	0.7	--	--	PACE	---	l
	6/7/1993	--	50.32	26.33	--	23.99	<50	<0.5	<0.5	<0.5	1.5	--	--	PACE	---	l
	9/23/1993	--	50.32	29.64	--	20.68	--	--	--	--	--	--	--	---	---	
	9/24/1993	--	50.32	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	28.5	--	PACE	---	l
	12/27/1993	--	50.32	29.75	--	20.57	<50	<0.5	<0.5	<0.5	<0.5	55.4	--	PACE	---	e,l

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-6	4/5/1994	--	50.32	27.26	--	23.06	<50	<0.5	<0.5	<0.5	<0.5	295	1.7	PACE	---	e,l
	7/22/1994	--	50.32	27.34	--	22.98	350	<0.5	<0.5	<0.5	<0.5	419	4.5	PACE	---	e,l
	10/13/1994	--	50.32	--	--	--	--	--	--	--	--	--	--	---	---	g
	1/25/1995	--	50.32	22.16	--	28.16	240	6	<0.5	<0.5	<1	--	--	ATI	---	
	4/19/1995	--	50.32	--	--	--	--	--	--	--	--	--	--	---	---	g
	7/5/1995	--	50.32	20.80	--	29.52	180	<0.50	<0.50	<0.50	<1.0	--	4.9	ATI	---	
	10/5/1995	--	50.32	24.20	--	26.12	860	<5.0	<5.0	<5.0	<10	3,600	2.8	ATI	---	
	1/12/1996	--	50.32	25.30	--	25.02	860	<5.0	<5.0	<5.0	<10	2,800	4.2	ATI	---	
	4/22/1996	--	50.32	19.13	--	31.19	<50	<0.5	<1	<1	<1	470	4.3	SPL	---	
	7/2/1996	--	50.32	20.66	--	29.66	100	<0.5	<1	<1	<1	1,100	4.2	SPL	---	
	11/8/1996	--	50.32	20.98	--	29.34	1,100	<5	<10	<10	<10	1,500	4.3	SPL	---	
	1/3/1997	--	50.32	20.53	--	29.79	<50	<0.5	<1.0	<1.0	<1.0	450	4.5	SPL	---	
	4/28/1997	--	50.32	21.25	--	29.07	1,400	<0.5	<1.0	<1.0	<1.0	3,500	4.4	SPL	---	
	7/1/1997	--	50.32	23.40	--	26.92	6,100	<0.5	<1.0	<1.0	<1.0	9,100	3.9	SPL	---	
	10/2/1997	--	50.32	25.16	--	25.16	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	50.32	--	--	--	330	<0.5	<1.0	<1.0	<1.0	2,600	4.4	SPL	---	
	1/9/1998	--	50.32	21.13	--	29.19	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	---	
	5/6/1998	--	50.32	16.11	--	34.21	410	<0.5	<1.0	<1.0	<1.0	500	3.6	SPL	---	
	7/21/1998	--	50.32	16.33	--	33.99	4,300	<5	<10	<10	<10	3,800	4.0	SPL	---	
	12/30/1998	--	50.32	20.89	--	29.43	--	--	--	--	--	--	--	---	---	
	2/2/1999	--	50.32	20.20	--	30.12	--	--	--	--	--	--	--	---	---	
	5/10/1999	--	50.32	16.75	--	33.57	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	50.32	22.55	--	27.77	<50	<1.0	<1.0	<1.0	<1.0	1,600	--	SPL	---	
	12/23/1999	--	50.32	23.00	--	27.32	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	50.32	16.89	--	33.43	1,700	4.4	0.54	<0.5	1	14,000	--	PACE	---	
	5/22/2000	--	50.32	18.02	--	32.30	--	--	--	--	--	--	--	---	---	
	8/31/2000	--	50.32	21.62	--	28.70	1,200	<0.5	<0.5	<0.5	<0.5	3,900	--	PACE	---	
	12/11/2000	--	50.32	21.81	--	28.51	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	50.32	16.97	--	33.35	3,300	<0.5	<0.5	<0.5	<1.5	3,760	--	PACE	---	
	6/19/2001	--	50.32	19.30	--	31.02	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	50.32	22.00	--	28.32	2,200	2.04	8.1	3.62	13.7	2,460	--	PACE	---	
	12/27/2001	--	50.32	17.85	--	32.47	830	0.59	<0.5	<0.5	<1.0	1,040	--	PACE	---	
	2/28/2002	--	50.32	16.31	--	34.01	1,100	<0.5	<0.5	<0.5	<1.0	1,450	--	PACE	---	
	6/28/2002	--	50.32	17.57	--	32.75	<50	<0.5	<0.5	<0.5	<1.0	1,020	--	PACE	---	
	9/12/2002	--	50.32	19.27	--	31.05	190	1.9	4.6	1	7.3	480	--	SEQ	7.1	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117

7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-6	12/12/2002	--	50.32	20.94	--	29.38	270	<2.5	<2.5	<2.5	<2.5	500	--	SEQ	6.9	
	3/10/2003	--	50.32	17.11	--	33.21	110	<0.50	<0.50	<0.50	<0.50	190	--	SEQ	7.0	
	5/12/2003	--	50.32	15.18	--	35.14	<50	<0.50	<0.50	<0.50	<0.50	36	--	SEQ	7.0	
	8/27/2003	--	50.32	18.90	--	31.42	<50	<0.50	<0.50	<0.50	<0.50	8.9	--	SEQ	7.0	n
	11/10/2003	P	50.32	20.13	--	30.19	<50	<0.50	<0.50	<0.50	<0.50	4.5	--	SEQM	6.8	
	02/03/2004	NP	50.32	15.83	--	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
	05/04/2004	P	50.32	15.62	--	34.70	<50	<0.50	<0.50	<0.50	<0.50	24	--	SEQM	6.9	
	08/31/2004	P	50.32	18.56	--	31.76	<50	<0.50	<0.50	<0.50	<0.50	27	--	SEQM	7.0	
	11/23/2004	--	50.32	16.95	--	33.37	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	50.32	13.61	--	36.71	<50	<0.50	<0.50	<0.50	<0.50	1.3	--	SEQM	6.8	
	06/29/2005	--	50.32	13.55	--	36.77	--	--	--	--	--	--	--	--	--	
	09/01/2005	--	50.32	16.52	--	33.80	--	--	--	--	--	--	--	--	--	
	11/03/2005	**--**	**50.32**	**19.28**	**--**	**31.04**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-7	1/25/1995	--	51.4	21.67	--	29.73	<50	<0.5	<0.5	<0.5	<1	--	7.0	ATI	---	
	4/19/1995	--	51.4	25.27	--	26.13	<50	<0.5	<0.5	<0.5	<1	--	5.0	ATI	---	
	7/5/1995	--	51.4	24.63	--	26.77	<50	<0.50	<0.50	<0.50	<1.0	--	4.2	ATI	---	
	10/5/1995	--	51.4	28.21	--	23.19	83	<0.50	<0.50	<0.50	<1.0	77	4.5	ATI	---	
	1/12/1996	--	51.4	29.29	--	22.11	63	<0.50	<0.50	<0.50	<1.0	120	4.8	ATI	---	
	4/22/1996	--	51.4	23.11	--	28.29	<50	<0.5	<1	<1	<1	13	4.8	SPL	---	
	7/2/1996	--	51.4	23.56	--	27.84	<50	<0.5	<1	<1	<1	<10	4.8	SPL	---	
	11/8/1996	--	51.4	20.06	--	31.34	<50	<0.5	<1.0	<1.0	<1.0	<10	5.1	SPL	---	
	1/3/1997	--	51.4	23.42	--	27.98	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	---	
	4/28/1997	--	51.4	24.12	--	27.28	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	7/1/1997	--	51.4	26.40	--	25.00	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	---	
	10/2/1997	--	51.4	28.14	--	23.26	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	---	
	1/9/1998	--	51.4	24.02	--	27.38	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	---	
	5/6/1998	--	51.4	21.00	--	30.40	1,900	<0.5	<1.0	<1.0	<1.0	1,800	3.5	SPL	---	
	7/21/1998	--	51.4	21.17	--	30.23	50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	---	
	12/30/1998	--	51.4	22.13	--	29.27	--	--	--	--	--	--	--	---	---	
	2/2/1999	--	51.4	22.08	--	29.32	--	--	--	--	--	--	--	---	---	
	5/10/1999	--	51.4	18.58	--	32.82	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	51.4	24.29	--	27.11	70	<1.0	<1.0	<1.0	<1.0	4,700	--	SPL	---	
	12/23/1999	--	51.4	24.53	--	26.87	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	51.4	18.58	--	32.82	910	<0.5	<0.5	<0.5	<0.5	2,600	--	PACE	---	
	5/22/2000	--	51.4	19.49	--	31.91	--	--	--	--	--	--	--	---	---	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-7	8/31/2000	--	51.4	22.53	--	28.87	440	<0.5	<0.5	<0.5	<0.5	900	--	PACE	---	
	12/11/2000	--	51.4	22.75	--	28.65	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	51.4	18.79	--	32.61	1,100	<0.5	<0.5	<0.5	<1.5	1,210	--	PACE	---	
	6/19/2001	--	51.4	19.82	--	31.58	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	51.4	21.35	--	30.05	1,300	1.21	<0.5	<0.5	<1.5	1,550	--	PACE	---	
	12/27/2001	--	51.4	20.36	--	31.04	510	<0.5	<0.5	<0.5	<1.0	643	--	PACE	---	
	2/28/2002	--	51.4	21.86	--	29.54	250	<0.5	<0.5	<0.5	<1.0	317	--	PACE	---	
	6/28/2002	--	51.4	22.64	--	28.76	<50	<0.5	<0.5	<0.5	<1.0	102	--	PACE	---	
	9/12/2002	--	51.4	23.51	--	27.89	<50	<0.5	<0.5	<0.5	1	14	--	SEQ	7.5	
	12/12/2002	--	51.4	23.75	--	27.65	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	SEQ	7.5	
	3/10/2003	--	51.4	21.25	--	30.15	61	<0.50	<0.50	<0.50	<0.50	99	--	SEQ	7.6	
	5/12/2003	--	51.4	21.44	--	29.96	<100	<1.0	<1.0	<1.0	<1.0	120	--	SEQ	7.6	
	8/27/2003	--	51.4	23.30	--	28.10	120	<0.50	<0.50	<0.50	<0.50	84	--	SEQ	7.6	n
	11/10/2003	P	51.40	20.24	--	31.16	230	<1.0	<1.0	<1.0	<1.0	92	--	SEQM	6.7	o
	02/03/2004	P	51.40	20.63	--	30.77	<250	<2.5	<2.5	<2.5	<2.5	91	--	SEQM	7.5	
	05/04/2004	P	51.40	21.89	--	29.51	<250	<2.5	<2.5	<2.5	<2.5	190	--	SEQM	7.6	k
	08/31/2004	P	51.40	23.16	--	28.24	<500	<5.0	<5.0	<5.0	<5.0	220	--	SEQM	7.3	
	11/23/2004	P	51.40	21.65	--	29.75	590	<2.5	5.0	11	51	290	--	SEQM	7.1	
	01/18/2005	P	51.40	16.28	--	35.12	<250	<2.5	<2.5	<2.5	2.5	92	--	SEQM	7.3	
	06/29/2005	P	51.40	14.50	--	36.90	2,200	43	97	92	390	250	--	SEQM	8.0	
	09/01/2005	P	51.40	20.41	--	30.99	<500	<5.0	<5.0	<5.0	<5.0	60	--	SEQM	7.5	
	11/03/2005	**P**	**51.40**	**21.00**	**--**	**30.40**	**130**	**<1.0**	**<1.0**	**<1.0**	**1.0**	**130**	**0.63**	**SEQM**	**7.2**	**w**
MW-8	1/25/1995	--	50.88	31.59	--	19.29	54	<0.5	<0.5	<0.5	<1	--	7.1	ATI	---	
	4/19/1995	--	50.88	19.18	--	31.70	<50	<0.5	<0.5	<0.5	<1	--	5.1	ATI	---	
	7/5/1995	--	50.88	19.03	--	31.85	<50	<0.50	<0.50	<0.50	<1.0	--	4.5	ATI	---	
	10/5/1995	--	50.88	24.40	--	26.48	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	---	
	1/12/1996	--	50.88	25.51	--	25.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.6	ATI	---	
	4/22/1996	--	50.88	18.00	--	32.88	<50	<0.5	<1	<1	<1	<10	4.8	SPL	---	
	7/2/1996	--	50.88	19.83	--	31.05	<50	<0.5	<1	<1	<1	<10	4.5	SPL	---	
	11/8/1996	--	50.88	20.09	--	30.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	---	
	1/3/1997	--	50.88	19.72	--	31.16	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	---	
	4/28/1997	--	50.88	20.44	--	30.44	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	---	
	7/1/1997	--	50.88	22.72	--	28.16	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	---	
	10/2/1997	--	50.88	24.51	--	26.37	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	---	
	1/9/1998	--	50.88	21.17	--	29.71	<50	<0.5	<1.0	<1.0	<1.0	<10	3.5	SPL	---	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117

7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-8	5/6/1998	--	50.88	18.34	--	32.54	<50	<0.5	<1.0	<1.0	<1.0	<10	3.6	SPL	---	
	7/21/1998	--	50.88	18.55	--	32.33	90	<0.5	<1.0	<1.0	<1.0	<10	3.3	SPL	---	
	12/30/1998	--	50.88	20.40	--	30.48	--	--	--	--	--	--	--	---	---	
	2/2/1999	--	50.88	19.28	--	31.60	--	--	--	--	--	--	--	---	---	
	5/10/1999	--	50.88	15.62	--	35.26	--	--	--	--	--	--	--	---	---	
	9/23/1999	--	50.88	21.74	--	29.14	--	--	--	--	--	--	--	---	---	
	12/23/1999	--	50.88	22.83	--	28.05	--	--	--	--	--	--	--	---	---	
	3/27/2000	--	50.88	16.25	--	34.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	---	
	5/22/2000	--	50.88	17.06	--	33.82	--	--	--	--	--	--	--	---	---	
	8/31/2000	--	50.88	21.72	--	29.16	--	--	--	--	--	--	--	---	---	
	12/11/2000	--	50.88	22.03	--	28.85	--	--	--	--	--	--	--	---	---	
	3/20/2001	--	50.88	16.23	--	34.65	<50	<0.5	<0.5	<0.5	<1.5	0.991	--	PACE	---	
	6/19/2001	--	50.88	19.35	--	31.53	--	--	--	--	--	--	--	---	---	
	9/20/2001	--	50.88	21.95	--	28.93	--	--	--	--	--	--	--	---	---	
	12/27/2001	--	50.88	16.98	--	33.90	--	--	--	--	--	--	--	---	---	
	2/28/2002	--	50.88	15.38	--	35.50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	---	
	6/28/2002	--	50.88	16.97	--	33.91	--	--	--	--	--	--	--	---	---	
	9/12/2002	--	50.88	19.47	--	31.41	--	--	--	--	--	--	--	---	---	
	12/12/2002	--	50.88	20.84	--	30.04	--	--	--	--	--	--	--	---	---	
	3/10/2003	--	50.88	16.56	--	34.32	<50	<0.50	<0.50	<0.50	<0.50	3	--	SEQ	7.1	
	5/12/2003	--	50.88	13.63	--	37.25	--	--	--	--	--	--	--	---	---	
	8/27/2003	--	50.88	18.90	--	31.98	--	--	--	--	--	--	--	---	---	n
	11/10/2003	--	50.88	19.68	--	31.20	--	--	--	--	--	--	--	--	--	
	02/03/2004	P	50.88	14.76	--	36.12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.5	
	05/04/2004	--	50.88	14.69	--	36.19	--	--	--	--	--	--	--	--	--	
	08/31/2004	--	50.88	18.08	--	32.80	--	--	--	--	--	--	--	--	--	
	11/23/2004	NP	50.88	15.77	--	35.11	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	50.88	12.04	--	38.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
	06/29/2005	--	50.88	--	--	--	--	--	--	--	--	--	--	--	--	v
	09/01/2005	--	50.88	16.12	--	34.76	--	--	--	--	--	--	--	--	--	
	11/03/2005	**--**	**50.88**	**19.42**	**--**	**31.46**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-9	1/25/1995	--	51.05	22.32	--	28.73	<50	<0.5	<0.5	<0.5	<1	--	7.4	ATI	---	
	4/19/1995	--	51.05	19.86	--	31.19	<50	<0.5	<0.5	<0.5	<1	--	5.2	ATI	---	
	7/5/1995	--	51.05	20.78	--	30.27	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	---	
	10/5/1995	--	--	--	--	--	52	<0.50	<0.50	<0.50	<1.0	160	--	ATI	---	d

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-9	10/5/1995	--	51.05	24.33	--	26.72	<50	<0.50	<0.50	<0.50	<1.0	--	2.3	ATI	---	
	1/12/1996	--	51.05	25.44	--	25.61	<50	<0.50	<0.50	<0.50	<1.0	<5.0	3.2	ATI	---	
	4/22/1996	--	51.05	18.01	--	33.04	<50	<0.5	<1	<1	<1	11	3.5	SPL	---	
	7/2/1996	--	51.05	19.70	--	31.35	<50	<0.5	<1	<1	<1	<10	3.3	SPL	---	
	11/8/1996	--	51.05	19.96	--	31.09	<50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	---	
	1/3/1997	--	51.05	19.52	--	31.53	<250	<2.5	<5.0	<5.0	<5.0	<50	4.4	SPL	---	
	4/28/1997	--	51.05	20.22	--	30.83	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	---	
	7/1/1997	--	51.05	22.59	--	28.46	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	10/2/1997	--	51.05	24.33	--	26.72	--	--	--	--	--	--	--	---	---	
	10/3/1997	--	51.05	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	---	
	1/9/1998	--	51.05	21.11	--	29.94	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	---	
	5/6/1998	--	51.05	18.26	--	32.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	---	
	7/21/1998	--	51.05	18.46	--	32.59	70	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	---	
	12/30/1998	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	2/2/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	5/10/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	9/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	12/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	3/27/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	5/22/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	8/31/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	12/11/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	3/20/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	6/19/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	---	---	g
	9/20/2001	--	51.05	22.20	--	28.85	6,300	2.87	<0.5	<0.5	<1.5	8,640	--	PACE	---	
	12/27/2001	--	51.05	18.92	--	32.13	--	--	--	--	--	--	--	---	---	
	2/28/2002	--	51.05	17.22	--	33.83	19,000	1,560	61.3	84	111	20,200	--	PACE	---	
	6/28/2002	--	51.05	18.20	--	32.85	--	--	--	--	--	--	--	---	---	
	9/12/2002	--	51.05	19.92	--	31.13	5,100	570	180	<25	220	6,400	--	SEQ	6.8	
	12/12/2002	--	51.05	21.78	--	29.27	--	--	--	--	--	--	--	---	---	
	3/10/2003	--	51.05	18.25	--	32.80	26,000	2,500	<100	<100	<100	33,000	--	SEQ	6.9	
	5/12/2003	--	51.05	16.29	--	34.76	--	--	--	--	--	--	--	SEQ	---	
	8/27/2003	--	51.05	19.69	--	31.36	11,000	830	<50	<50	<50	6,300	--	SEQ	7.1	n
	11/10/2003	--	51.05	19.97	--	31.08	--	--	--	--	--	--	--	--	--	
	02/03/2004	P	51.05	17.23	--	33.82	6,200	180	<50	<50	<50	2,100	--	SEQM	7.2	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-9	05/04/2004	--	51.05	17.17	--	33.88	--	--	--	--	--	--	--	--	--	
	08/31/2004	P	51.05	19.71	--	31.34	<2,500	210	<25	<25	<25	1,500	--	SEQM	7.0	
	11/23/2004	--	51.05	18.58	--	32.47	--	--	--	--	--	--	--	--	--	
	01/18/2005	P	51.05	14.98	--	36.07	490	32	<2.5	<2.5	8.9	130	--	SEQM	6.9	
	06/29/2005	--	51.05	14.74	--	36.31	--	--	--	--	--	--	--	--	--	
	09/01/2005	P	51.05	17.42	--	33.63	3,500	1,300	<25	<25	28	240	--	SEQM	6.9	
	11/03/2005	**--**	**51.05**	**19.90**	**--**	**31.15**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	
MW-10	1/9/1998	--	--	20.97	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	---	h
	5/6/1998	--	--	18.07	--	--	800	<0.5	<1.0	<1.0	<1.0	980	3.9	SPL	---	h
	7/21/1998	--	--	18.28	--	--	80	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	---	h
	12/30/1998	--	--	22.22	--	--	--	--	--	--	--	--	--	---	---	h
	2/2/1999	--	--	21.83	--	--	940	<10	<10	<10	<10	690	--	SPL	---	h
	5/10/1999	--	--	17.99	--	--	--	--	--	--	--	--	--	---	---	h
	9/23/1999	--	--	22.61	--	--	<50	<1.0	<1.0	<1.0	1.4	1,000	--	SPL	---	h
	12/23/1999	--	--	23.75	--	--	--	--	--	--	--	--	--	---	---	h
	3/27/2000	--	--	18.83	--	--	1,900	<0.5	<0.5	<0.5	<0.5	28,000	--	PACE	---	h
	5/22/2000	--	--	19.47	--	--	--	--	--	--	--	--	--	---	---	h
	8/31/2000	--	--	22.64	--	--	1,700	<0.5	<0.5	<0.5	<0.5	13,000	--	PACE	---	h
	12/11/2000	--	--	22.84	--	--	--	--	--	--	--	--	--	---	---	h
	3/20/2001	--	--	19.57	--	--	16,000	<0.5	<0.5	<0.5	<1.5	11,900	--	PACE	---	h
	6/19/2001	--	--	20.63	--	--	--	--	--	--	--	--	--	---	---	h
	9/20/2001	--	--	23.07	--	--	5,800	<0.5	<0.5	<0.5	<1.5	8,160	--	PACE	---	h
	12/27/2001	--	--	20.92	--	--	6,600	17.3	14.5	<12.5	<25	7,750	--	PACE	---	h
	2/28/2002	--	--	18.52	--	--	3,600	10.8	<0.5	<0.5	<1.0	5,380	--	PACE	---	h
	6/28/2002	--	--	18.41	--	--	<50	<0.5	<0.5	<0.5	<1.0	2,570	--	PACE	---	h
	9/12/2002	--	--	20.57	--	--	660	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	7.2	h
	12/12/2002	--	--	22.80	--	--	1,400	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	6.9	h
	3/10/2003	--	--	19.26	--	--	1,700	<5.0	<5.0	5.3	15	2,800	--	SEQ	6.9	h
	5/12/2003	--	--	17.90	--	--	1,500	<12	<12	<12	<12	2,200	--	SEQ	6.9	h
	8/27/2003	--	--	20.82	--	--	4,100	<25	<25	<25	<25	2,800	--	SEQ	7.0	n, h
	11/10/2003	P	--	21.92	--	--	<5,000	<50	<50	<50	<50	3,300	--	SEQM	6.8	
	02/03/2004	P	--	18.52	--	--	5,100	<50	<50	<50	<50	2,300	--	SEQM	7.0	q
	05/04/2004	P	--	17.63	--	--	<2,500	<25	<25	<25	<25	1,600	--	SEQM	6.8	
	08/31/2004	P	--	20.67	--	--	<5,000	<50	<50	<50	<50	1,900	--	SEQM	7.0	
	11/23/2004	P	--	19.79	--	--	2,600	<25	<25	<25	<25	2,300	--	SEQM	6.8	

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well No.	Date	P/ NP	TOC (ft MSL)	DTW (ft bgs)	Product Thickness (feet)	GWE (ft MSL)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	Lab	pH	Comments
MW-10	01/18/2005	P	--	16.13	--	--	560	<5.0	<5.0	<5.0	<5.0	530	--	SEQM	6.9	
	06/29/2005	P	--	15.56	--	--	110	1.9	4.6	4.2	17	71	--	SEQM	6.8	
	09/01/2005	P	--	18.10	--	--	<250	<2.5	<2.5	<2.5	<2.5	280	--	SEQM	6.9	
	11/03/2005	**P**	**--**	**20.90**	**--**	**--**	**800**	**<5.0**	**<5.0**	**<5.0**	**7.0**	**770**	**0.71**	**SEQM**	**6.8**	**w**
QC-2	9/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	---	i
	12/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	---	i
	3/15/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	---	i, l
	6/7/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	---	i, l
	9/24/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	12/27/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	4/5/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	7/22/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	10/13/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	---	i, l
	1/25/1995	--	--	--	--	--	<50	<0.5	2	0.6	1	--	--	ATI	---	i
	4/19/1995	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ATI	---	i
	7/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	---	i
	10/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	---	i
	1/12/1996	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	---	i
	4/22/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	---	i
	7/2/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	---	i

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

ABBREVIATIONS AND SYMBOLS:

< = Not detected at or laboratory reporting limit
--- = Not analyzed/applicable/measurable
µg/L = Micrograms per liter
AMA = Anamatrix, Inc.
ATI = Analytical Technologies, Inc.
DO = Dissolved Oxygen - field measurement
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics, C4 to C12
GWE = Groundwater elevation in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert butyl ether
NP = Well casing was not purged prior to sampling
P = Well casing was purged prior to sampling
PACE = Pace, Inc.
pH = pH Level - field measurement
SEQ/SEQM = Sequoia/Sequoia Morgan Hill Analytical
SPL = Southern Petroleum Laboratories
TOC = Top of casing in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline

FOOTNOTES:
c = Concentrations reported as diesel from MW-1, MW-2 and MW-4 are primarily due to the presence of alighter petroleum product, possibly gasoline or kerosene.
d = Blind duplicate
e = A copy of the documentation for this data is included in Appendix C of Alisto report 10-018-05-004.
f = Well not sampled due to presence of free product.
g = Well inaccessible
h = Top of casing not surveyed.
i = Travel blank
j = EPA method by 8020\8260
k = Samples ran outside of EPA recommended hold time.
l = A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2.The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.
m = Thickness of SPH is only an estimate. The resulting groundwater elevation will not be used in contouring.
n = Samples analyzed by EPA Method 8260B for TPH-g, BTEX, and fuel oxygenates
o = Discrete Peak @ C6-C7
q = Discrete Peak @ C5-C6
r = Well dry
s = Sheen in well
t = Depth to water and resulting groundwater elevation is anomalous and not used in groundwater contouring.
u = Anomalously low concentrations reported from Cambria. Do not appear to support historic trends.
v = Unable to locate well
w = The hydrocarbon result for GRO was partly due to individual peaks in the quantitation range.

NOTES:
The data within this table collected prior to June 2002 was provided to URS by RM and their previous consultants. URS has not verified tenaccuracy of this information.
Casing elevations surveyed to the nearest 0.01 foot relative to mean sea level.

Table 1

Groundwater Elevation and Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Groundwater elevations adjusted assuming a specific gravity of 0.75 for free product.
During the third quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPHg was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.
Beginning in second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Table 2

Fuel Additives Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
EX-1	05/04/2004	<5,000	<1,000	2,500	<25	<25	38	<25	<25	
	08/31/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	
	11/23/2004	<5,000	<1,000	3,000	<25	<25	74	<25	<25	
	01/18/2005	<5,000	<1,000	2,200	<25	<25	54	<25	<25	a
	06/29/2005	<5,000	<1,000	1,400	<25	<25	30	<25	<25	
	09/01/2005	<5,000	<1,000	2,000	<25	<25	46	<25	<25	
	11/03/2005	**<5,000**	**<1,000**	**3,000**	**<25**	**<25**	**87**	**<25**	**<25**	
EX-2	05/04/2004	<100	<20	46	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<500	<100	130	<2.5	<2.5	3.4	<2.5	<2.5	
	11/23/2004	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	a
	06/29/2005	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/01/2005	<100	<20	55	<0.50	<0.50	0.56	<0.50	<0.50	
	11/03/2005	**<100**	**<20**	**39**	**<0.50**	**<0.50**	**0.80**	**<0.50**	**<0.50**	
MW-1	8/27/2003	<100	<20	4.2	<0.50	<0.50	<0.50	--	--	
	11/10/2003	<100	<20	0.51	<0.50	<0.50	<0.50	--	--	
	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-2	8/27/2003	<25,000	<5,000	5,100	<120	<120	140	--	--	
	11/10/2003	<50,000	<10,000	4,200	<250	<250	<250	--	--	
	02/03/2004	<100,000	<20,000	1,900	<500	<500	<500	<500	<500	
	05/04/2004	<50,000	<10,000	2,500	<250	<250	<250	<250	<250	
	08/31/2004	<50,000	<10,000	3,400	<250	<250	<250	<250	<250	
	11/23/2004	<50,000	<10,000	2,400	<250	<250	<250	<250	<250	
	01/18/2005	<20,000	<4,000	3,700	<100	<100	<100	<100	<100	
	06/29/2005	<10,000	<2,000	3,600	<50	<50	72	<50	<50	a
	09/01/2005	<20,000	<4,000	5,100	<100	<100	100	<100	<100	
	11/03/2005	**<20,000**	**<4,000**	**3,700**	**<100**	**<100**	**100**	**<100**	**<100**	
MW-3	8/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2

Fuel Additives Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-3	01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-4	8/27/2003	<50,000	<10,000	32,000	<250	<250	250	--	--	
	11/10/2003	<100,000	<20,000	25,000	<500	<500	<500	--	--	
	02/03/2004	<100,000	<20,000	26,000	<500	<500	<500	<500	<500	
	05/04/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	
	08/31/2004	<50,000	<10,000	14,000	<250	<250	<250	<250	<250	
	11/23/2004	<500,000	<100,000	23,000	<2,500	<2,500	<2,500	<2,500	<2,500	
	01/18/2005	<50,000	<10,000	8,800	<250	<250	<250	<250	<250	a
	06/29/2005	<50,000	<10,000	1,700	<250	<250	<250	<250	<250	
	09/01/2005	<100,000	<20,000	1,100	<500	<500	<500	<500	<500	
	11/03/2005	**<100,000**	**<20,000**	**1,500**	**<500**	**<500**	**<500**	**<500**	**<500**	
MW-6	8/27/2003	<100	<20	8.9	<0.50	<0.50	<0.50	--	--	
	11/10/2003	<100	<20	4.5	<0.50	<0.50	<0.50	--	--	
	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
	05/04/2004	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
	08/31/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-7	8/27/2003	<100	<20	84	<0.50	<0.50	<0.50	--	--	
	11/10/2003	<200	<40	92	<1.0	<1.0	<1.0	--	--	
	02/03/2004	<500	<100	91	<2.5	<2.5	<2.5	<2.5	<2.5	
	05/04/2004	<500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	
	08/31/2004	<1,000	<200	220	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/23/2004	<500	<100	290	<2.5	<2.5	<2.5	<2.5	<2.5	
	01/18/2005	<500	<100	92	<2.5	<2.5	<2.5	<2.5	<2.5	a
	06/29/2005	<500	<100	250	<2.5	<2.5	<2.5	<2.5	<2.5	
	09/01/2005	<1,000	<200	60	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/03/2005	**<200**	**<40**	**130**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	
MW-8	02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
	01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
MW-9	8/27/2003	<10,000	<2,000	6,300	<50	<50	<50	--	--	
	02/03/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	a
	08/31/2004	<5,000	<1,000	1,500	<25	<25	<25	<25	<25	

Table 2

Fuel Additives Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Footnotes/ Comments
MW-9	01/18/2005	<500	150	130	<2.5	<2.5	<2.5	<2.5	<2.5	a
	09/01/2005	<5,000	2,700	240	<25	<25	<25	<25	<25	
MW-10	8/27/2003	<5,000	<1,000	2,800	<25	<25	<25	--	--	
	11/10/2003	<10,000	<2,000	3,300	<50	<50	<50	--	--	
	02/03/2004	<10,000	<2,000	2,300	<50	<50	<50	<50	<50	a
	05/04/2004	<5,000	<1,000	1,600	<25	<25	<25	<25	<25	
	08/31/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
	11/23/2004	<5,000	<1,000	2,300	<25	<25	<25	<25	<25	
	01/18/2005	<1,000	<200	530	<5.0	<5.0	<5.0	<5.0	<5.0	a
	06/29/2005	<100	<20	71	<0.50	<0.50	<0.50	<0.50	<0.50	
	09/01/2005	<500	<100	280	<2.5	<2.5	<2.5	<2.5	<2.5	
	11/03/2005	**<1,000**	**<200**	**770**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	

Table 2

Fuel Additives Analytical Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

ABBREVIATIONS AND SYMBOLS:
< = Not detected above reported detection limit
1,2-DCA = 1,2-Dichloroethane
µg/L = Micrograms per Liter
DIPE = Di-isopropyl ether
EDB = 1, 2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol

FOOTNOTES:
a = The continuing calibration verficiation for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits. The data should still be useful for its intended purpose.

NOTES:
All volatile organic compounds (Ethanol, TBA, MTBE, DIPE, ETBE, and TAME) analyzed using EPA Method 8260B.

Table 3

Groundwater Gradient Data

Former BP Station #11117
7210 Bancroft Ave., Oakland, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
09/12/2002	Northeast	0.03
12/12/2002	Northeast	0.02
03/10/2003	Northeast	0.03
05/12/2003	North-Northeast	0.055
08/27/2003	North-Northeast	0.036
11/10/2003	North-Northeast	0.012
02/03/2004	Northeast	0.013
05/04/2004	Northeast	0.015
08/31/2004	Northeast	0.010
11/23/2004	North-Northeast	0.04
01/18/2005	Northeast	0.02
06/29/2005	Variable	0.003, 0.006
09/01/2005	North	0.03
11/03/2005	**North**	**0.008**

Table 4

Soil Analytical Data
Former BP #11117
7210 Bancroft Ave., Oakland, CA

Soil Sample ID	Sample Depth (feet bgs)	Date Sampled	GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TBA (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
A-1 (6-6.5')	6.0	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-1 (11-11.5')	11.0	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-1 (16-16.5')	16.0	09/27/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-1 (21-21.5')	21.0	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	NA
A-1 (25.5-26')	25.5	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	NA
A-1 (30.5-31')	30.5	09/27/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-1 (35.5-36')	35.5	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	NA
A-1 (39-39.5')	39.0	09/27/05	**76**	ND<0.10	ND<0.10	**0.11**	**0.11**	ND<10	ND<0.050	NA
A-1 (46-46.5')	46.0	09/27/05	ND<2.5	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<5.0	**0.84**	NA
A-2 (5-5.5')	5.0	09/27/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-2 (10-10.5')	10.0	09/27/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-2 (15-15.5')	15.0	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	NA
A-2 (19.5-20')	19.5	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	NA
A-2 (25-25.5')	25.0	09/27/05	**34**	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<10	ND<0.050	NA
A-2 (30-30.5')	30.0	09/27/05	**120**	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND<25	ND<0.12	NA
A-2 (33.5-34')	33.5	09/27/05	**17**	ND<0.050	ND<0.050	**0.25**	**0.99**	ND<5.0	ND<0.025	NA
A-3 (5-5.5')	5.0	09/27/05	**0.27**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	**0.0050**	NA
A-3 (14.5-15')	14.5	09/27/05	**0.13**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-3 (19.5-20')	19.5	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-3 (23.5-24')	23.5	09/27/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-3 (26-26.5')	26.0	09/27/05	**220**	ND<1.0	ND<1.0	**4.5**	**18**	ND<100	ND<0.50	**8.5**

Table 4

Soil Analytical Data
Former BP #11117
7210 Bancroft Ave., Oakland, CA

Soil Sample ID	Sample Depth (feet bgs)	Date Sampled	GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TBA (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
A-4 (5-5.5')	5.0	09/26/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-4 (15-15.5')	15.0	09/26/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-4 (19.5-20')	19.5	09/26/05	**0.44**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	NA
A-4 (23.5-24')	23.5	09/26/05	**490**	ND<1.0	**18**	**18**	**87**	ND<100	ND<0.0050	**11**
A-4 (31.5-32')	31.5	09/26/05	**5.1**	**0.15**	**0.088**	**0.24**	**1.1**	ND<5.0	**0.48**	NA
A-5 (5-5.5')	5.0	09/26/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-5 (10-10.5')	10.0	09/26/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-5 (15-15.5')	15.0	09/26/05	**0.34**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	**0.0085**	NA
A-5 (19.5-20')	19.5	09/26/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	**0.0053**	NA
A-5 (22-22.5')	22.0	09/26/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	**0.0058**	NA
A-5 (25-25.5')	25.0	09/26/05	**0.23**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	**0.022**	**0.035**	NA
A-5 (30-30.5')	30.0	09/26/05	**1.3**	**0.0068**	**0.014**	**0.032**	**0.18**	ND<0.020	**0.015**	NA
A-5 (35-35.5')	35.0	09/26/05	**28**	**0.11**	**0.81**	**0.57**	**3.1**	ND<5.0	**0.030**	NA
A-7 (6-6.5')	6.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-7 (11-11.5')	11.0	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-7 (16-16.5')	16.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-7 (21-21.5')	21.0	11/03/05	ND<0.098	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.020	ND<0.0049	NA
A-7 (25.5-26')	25.5	11/03/05	ND<25	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<50	**0.43**	NA
A-7 (36-36.5')	36.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	**0.0064**	NA

Table 4

Soil Analytical Data
Former BP #11117
7210 Bancroft Ave., Oakland, CA

Soil Sample ID	Sample Depth (feet bgs)	Date Sampled	GRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	TBA (mg/kg)	MTBE (mg/kg)	Lead (mg/kg)
A-8 (6-6.5')	6.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-8 (11-11.5')	11.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-8 (15.5-16')	15.5	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-8 (21-21.5')	21.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-8 (25-25.5')	25.0	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-8 (30-30.5')	30.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-8 (36-36.5')	36.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-9 (6-6.5')	6.0	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-9 (11-11.5')	11.0	11/03/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-9 (16-16.5')	16.0	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-9 (21-21.5')	21.0	11/03/05	ND<0.098	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.020	ND<0.0049	NA
A-9 (25-25.5')	25.0	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-9 (31-31.5')	31.0	11/03/05	ND<2.5	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<5.0	**0.16**	NA
A-9 (36-36.5')	36.0	11/03/05	ND<0.099	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (5.5-6')	5.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (10.5-11')	10.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (15.5-16')	15.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (20.5-21')	20.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (25.5-26')	25.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (30.5-31')	30.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA
A-10 (35.5-36')	35.5	11/07/05	ND<0.10	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.020	ND<0.0050	NA

Table 4

Soil Analytical Data
Former BP #11133
2220 98th Ave., Oakland, CA

Notes: All Samples analyzed by EPA Method 8260B. Di-isopropyl ether, 1,2-dibromoethane, 1,2-dichloroethane, ethyl tertiary butyl ether, tertiary amyl methyl ether and ethanol were not detected at or above their respective laboratory reporting limit.
Total lead analyzed by EPA Method 6000/7000 series for soil disposal purposes.

bgs = below ground surface
GRO = Gasoline range organics
TBA = tert-butyl alcohol
MTBE = Methyl tert-butyl ether
mg/kg = milligrams per kilogram
ND< = Not detected at or above stated laboratory reporting limit
NA = Not analyzed

Table 5

Soil Boring Groundwater Analytical Data
Former BP #11117
7210 Bancroft Ave., Oakland, CA

Sample ID	DTW or Hydropunch screen interval (feet bgs)	Date Sampled	GRO (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TBA (ug/L)	MTBE (ug/L)
A-1 (22.6')	22.6	09/27/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<0.50
A-2 (21.3')	21.3	09/27/05	**510,000**	ND<250	ND<250	**7,200**	**29,000**	ND<10,000	ND<250
A-2 (40'-42')	40-42	09/27/05	**36,000**	**1,800**	**97**	**1,300**	**1,200**	ND<1,000	**110**
A-3 (19.4')	19.4	09/27/05	**25,000**	**12**	**43**	**500**	**1,900**	ND<500	ND<12
A-3 (34'-36')	34-36	09/27/05	**12,000**	**21**	**24**	ND<5.0	**130**	ND<200	**8.3**
A-4 (21.6')	21.6	09/26/05	**150,000**	**2,500**	**7,300**	**5,500**	**18,000**	ND<2,000	**820**
A-4 (34'-36')	34-36	09/26/05	**120,000**	**11,000**	**2,400**	**4,000**	**19,000**	ND<10,000	**39,000**
A-5 (19.5')	19.5	09/26/05	**790**	**10**	ND<2.5	**2.8**	**3.8**	**350**	**510**
A-8 (24.6')	24.6	11/03/05	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	ND<0.50
A-9 (24.2')	24.2	11/03/05	**68**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	**20**
A-10 (25')	25	11/07/05	ND<50	ND<0.50	ND<0.50	ND<0.50	**0.50**	ND<20	ND<0.50
A-10 (39')	39	11/07/05	**51**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<20	**27**

Table 5

Soil Boring Groundwater Analytical Data
Former BP #11117
7210 Bancroft Ave., Oakland, CA

Notes: All Samples analyzed by EPA Method 8260B. Di-isopropyl ether, 1,2-dibromoethane, 1,2-dichloroethane, ethyl tertiary butyl ether, tertiary amyl methyl ether and ethanol were not detected at or above their respective laboratory reporting limit.
Total lead analyzed by EPA Method 6000/7000 series for soil disposal purposes.

DTW = Depth to water
bgs = below ground surface
GRO = Gasoline range organics
TBA = tert-butyl alcohol
MTBE = Methyl tert-butyl ether
ug/L = micrograms per liter
ND< = Not detected at or above stated laboratory reporting limit
NA = Not analyzed

ATTACHMENT A

ACEHS CORRESPONDENCES

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 29, 2004

Kyle Christie
Atlantic Richfield Company
6 Centerpointe Drive, LPR6-161
La Palma, CA 90623-1066

Jim Givens
One Eastmont Mall
Oakland, CA 94605

Liz Sewell
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Subject: Fuel Leak Case No. RO0000356, BP #11117, 7210 Bancroft Avenue, Oakland, California – Workplan Approval

Dear Mssrs. Christie and Givens, and Ms. Sewell:

Alameda County Environmental Health (ACEH) has reviewed your November 28, 2003, *Soil and Groundwater Investigation Workplan* prepared by URS Corporation, Inc., and the case file for the above-referenced site. We concur with your workplan provided the following conditions are met:

1. Source area borings will be advanced to define the vertical extent of contamination.
2. If deemed necessary by your geologist or engineer to fully define the vertical and lateral extent of contamination, additional soil or groundwater samples will be collected as part of the current investigation efforts. ACEH will be informed via telephone or email of any additions to the sampling and analysis plan. Any additional work will follow the workplan-specified procedures. Dynamic investigations are consistent with USEPA protocol for expedited site assessments, which are scientifically valid and offer a cost-effective approach to fully define a plume and to help progress a case toward closure.
3. Sufficient data will be collected in the field and/or from historical site investigation to evaluate the present, historical and likely future rates and efficacy of intrinsic bioremediation. If deemed necessary by your geologist or engineer, groundwater analysis conducted during the current investigation will include the bioparameters DO, ORP, alkalinity, nitrate, sulfate, ferrous iron, and methane.
4. 72-hr advance written notification (email preferred) will be provided to ACEH prior to field sampling activities.

Please implement the proposed investigation and submit technical reports following the schedule below. In addition, we request that you address the following technical comments in your report.

TECHNICAL COMMENTS

1. Corrective Action Plan

URS states that a CAP will be prepared for the site 180 days after completion of an investigation report. To reduce the overall project costs and the time period to case closure, we request that

you present the investigation results in a single document together with your corrective action plan. In accordance with 23 CCR 2725, an assessment of the impacts, a feasibility study, and applicable cleanup levels need to be included in your CAP. We request that 1) your assessment summarize all subsurface investigation performed at the site, 2) your feasibility study evaluate at least three potentially feasible remedial technologies, and 3) your CAP propose cleanup goals and cleanup levels for the site. Your cleanup goals need to be consistent with water quality objectives for the basin. Soil and groundwater cleanup levels for the site need to be protective of human health and the environment, including offsite groundwater use, and need to address potential nuisance conditions. Prior to discontinuation of active remediation, the appropriate cleanup levels will need to be achieved. Please submit your CAP in the report requested below.

2. Groundwater Flow Direction

The calculated groundwater flow direction at your site and at the nearby Chevron service station has historically been to the north-northeast. Regionally, groundwater is expected to flow toward the southwest. The well survey for the site identified two water supply wells within 1/2 mile of the site: an industrial well and an irrigation well, both located to the north. Please address the apparent inconsistency of the local groundwater flow direction with the anticipated regional flow regime in the report requested below.

REPORT REQUEST

Please submit your *Soil and Water Investigation Report and Corrective Action Plan* by **August 1, 2005.** ACEH makes this request pursuant to California Health & Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2778 outline the responsibilities of a responsible party for an unauthorized release from an UST system, and require your compliance with this request.

Professional Certification and Conclusions/Recommendations

The California Business and Professions Code (Sections 6735 and 7835.1) requires that workplans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

Perjury Statement

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports or enforcement actions by ACEH may result in you becoming ineligible to receive cleanup cost reimbursement from the state's Underground Storage Tank Cleanup Fund (senate Bill 2004).

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested we will consider referring your case to the County District Attorney or other appropriate agency, for enforcement. California Health and Safety Code, Section 25299.76 authorizes ACEH enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Please call me at (510) 567-6719 with any questions regarding this case.

Sincerely,

Robert W. Schultz, R.G.
Hazardous Materials Specialist

cc: Diane Clark, Eastmont Town Center, LLC, 7200 Bancroft Ave., Oakland, CA 94605-1907
Leonard Niles, URS Corporation, 500 12th St., Ste. 200, Oakland, CA 94607-4014
Donna Drogos, ACEH
Barney Chan, ACEH
Robert W. Schultz, ACEH

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

May 11, 2005

Kyle Christie
Atlantic Richfield Company
6 Centerpointe Drive, LPR6-161
La Palma, CA 90623-1066

Jim Givens
One Eastmont Mall
Oakland, CA 94605

Liz Sewell
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Subject: Fuel Leak Case No. RO0000356, BP #11117, 7210 Bancroft Avenue, Oakland, California – Workplan Approval

Dear Mssrs. Christie and Givens, and Ms. Sewell:

Alameda County Environmental Health (ACEH) has reviewed your May 9, 2005, *Soil and Groundwater Investigation Workplan Addendum* prepared by URS Corporation, Inc., and the case file for the above-referenced site. We concur with your workplan provided the following conditions are met:

1. If deemed necessary by your geologist or engineer to fully define the vertical and lateral extent of contamination, additional soil or groundwater samples will be collected as part of the current investigation efforts. ACEH will be informed via telephone or email of any additions to the sampling and analysis plan. Any additional work will follow the workplan-specified procedures. Dynamic investigations are consistent with USEPA protocol for expedited site assessments, which are scientifically valid and offer a cost-effective approach to fully define a plume and to help progress a case toward closure.
2. The technical comments listed below will be addressed prior to conducting field work, and documentation will be provided in the report requested below.
3. 72-hr advance written notification (email preferred) will be provided to ACEH prior to field sampling activities.

Please implement the proposed investigation and submit technical reports following the schedule below. In addition, we request that you address the following technical comments in your report.

TECHNICAL COMMENTS

1. Contaminants of Concern

URS proposes sample analysis for TPHg, BTEX, MTBE, TBA, ETBE, TAME, DIPE, 1,2-DCA, EDB and ethanol. Based on our review of the recent groundwater data, contaminants of concern (COCs) at the site include: TPHg, BTEX, MTBE, and TBA, only (TBA is a COC due to its potential occurrence as a MTBE degradation product). Ongoing analysis for TAME, DIPE, ETBE, EDB and 1,2-DCA may not be necessary. Prior to conducting the proposed investigation, we request that you review all historical analytical data for the site in order to 1) confirm compliance with the minimum verification analyses listed in the Tri-Regional Guidelines, and 2)

confirm the COCs at the site. Please identify appropriate COCs for the site in the report requested below.

2. Corrective Action Plan - not at this time - once assessment is complete

To reduce the overall project costs and the time period to case closure, we request that you present the investigation results in a single document together with your corrective action plan. In accordance with 23 CCR 2725, an assessment of the impacts, a feasibility study, and applicable cleanup levels need to be included in your CAP. We request that 1) your assessment summarize all subsurface investigation performed at the site, 2) your feasibility study evaluate at least three potentially feasible remedial technologies, and 3) your CAP propose cleanup goals and cleanup levels for the site. Your cleanup goals need to be consistent with water quality objectives for the basin. Soil and groundwater cleanup levels for the site need to be protective of human health and the environment. Prior to discontinuation of active remediation, the appropriate cleanup levels will need to be achieved. Please submit your CAP in the report requested below.

REPORT REQUEST

Please submit your *Soil and Water Investigation Report and Corrective Action Plan* by **September 1, 2005**. ACEH makes this request pursuant to California Health & Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2778 outline the responsibilities of a responsible party for an unauthorized release from an UST system, and require your compliance with this request.

Professional Certification and Conclusions/Recommendations

The California Business and Professions Code (Sections 6735 and 7835.1) requires that workplans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

Perjury Statement

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports or enforcement actions by ACEH may result in you becoming ineligible to receive cleanup cost reimbursement from the state's Underground Storage Tank Cleanup Fund (senate Bill 2004).

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested we will consider referring your case to the County District Attorney or other appropriate agency, for enforcement. California Health and Safety Code, Section 25299.76 authorizes ACEH enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Please call me at (510) 567-6719 with any questions regarding this case.

Sincerely,

Robert W. Schultz, R.G.
Hazardous Materials Specialist

cc: Diane Clark, Eastmont Town Center, LLC, 7200 Bancroft Ave., Oakland, CA 94605-1907
Lynelle Onishi, URS Corporation, 1333 Broadway, Ste. 800, Oakland, CA 94612-1924
Donna Drogos, ACEH
File

ATTACHMENT B

SOIL BORING LOGS

URS

1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-1

Total Depth: 46.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site# 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.25" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** Split spoon, every 5'
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/27/05

BORING INFORMATION

Groundwater Depth: 22.6 feet bgs.	**Boring Location:** Adjacent to north west enrtance on Bancroft Ave.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.25"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
		CLAYEY SANDY GRAVEL: Very dark grayish brown (10YR 3/2), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt.	GP / CL				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
2		SILTY CLAY: Very dark grayish brown (10YR 3/2), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, no odor.					
4		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, minor angular gravel up to 1 cm diameter, no odor.					
6				0	07:45 A-1 @ 6 - 6.5		Top 5' logged from hand auger / airknife cuttings.
8							
10		SILTY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 70% clay, 25%silt, 5% medium sand, no odor.		1	07:50 A-1 @ 11 - 11.5		
12							
14		CLAYEY SAND: Grayish brown (10YR 5/2), medium dense, dry, 70% fine sand, 30% clay, no odor.	SM				
16		@15.5' silt content increases 65% fine - medium sand, 25% clay, 10% silt		0	07:52 A-1 @ 16 - 16.5		
18							
20				0	07:58 A-1 @ 21 - 21.5		
22		CLAYEY GRAVEL: Yellowish brown(10YR 5/4), dense, moist, 65% angular medium gravel up to 1 cm diameter, 20% clay, 15% angular medium sand, no odor.	GM		08:00 A-1 @ 22.6'		▼

URS

LOG OF BORING

Borehole ID: A-1

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26		@25' becomes wet.		1	grab water sample 08:05 A-1 @ 25.5 - 26		
28							
30		GRAVELLY SAND: Gray (5Y 5/1), loose, wet, 70% fine -coarse rounded sand, 30% subrounded gravel up to 1.5cm diameter, no odor.	SM	2	08:15 A-1 @ 30.5 - 31		
32							
34							
36				2	08:205 A-1 @ 35.5 - 36		
38							Hydropunch driven from 32' to 34 in separate hole, 3 feet from A-1. After 1 hour, no water was availible for sampling.
40		SANDY GRAVEL: Dark gray (5Y 4/1), loose, wet, 65% fine angular gravel up to 30 mm diameter, 20% fine - coarse sand, 15% silt, no odor.	GM	116	08:25 A-1 @ 39 - 39.5		
42							
44					08:43 A-1 @ 46 - 46.5		
46		CLAYEY SILT: Light olive brown (2.5Y 5/4), soft, wet, 60% silt, 40% clay, medium plasticity, no odor.	ML	22			

URS

1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-2

Total Depth: 42 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site # 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/27/05
BORING INFORMATION	
Groundwater Depth: 21.3 feet bgs.	**Boring Location:** Adjacent to south west enrtance on Bancroft Ave.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		CLAYEY SANDY GRAVEL: Very dark gray (10YR 3/1), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt. Hydrocarbon staining @1.5' @2 -2.5' Angular cobbles up to 10cm.	GP				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
4		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, slight hydrocarbon odor.	CL				
6		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, minor angular gravel up to 1cm diameter, no odor.		1.5	10:35 A-2 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
8							
10		CLAYEY SILT: Brown (10YR 4/3), very stiff, dry, 70% silt, 30% clay, no odor.	ML	2	10:40 A-2 @10 - 10.5		
12		NO RECOVERY					
14		CLAYEY GRAVEL: Olive brown (10YR 4/3), medium dense, dry, 60% subrounded gravel up to 30 mm diameter, 20% coarse angular sand, 20% clay, slight hydrocarbon odor.	GM	2.5	10:45 A-2 @ 15 - 15.5		
16		CLAYEY SILT: Dark greenish gray (Gley1 4/10Y), soft, dry, 65% silt, 30% clay, 5% fine sand, medium plasticity, slight hydrocarbon odor.	ML				
18					10:46 A-2 @ 19.5 - 20		
20		CLAYEY GRAVEL: Very dark greenish gray (Gley2 3/10G), dense, dry, 70% rounded gravel, 30% clay, minor fine sand, strong hydrocarbon odor.	GM	9	11:22 A-2 @ 21.3' grab water sample		▼
22							

LOG OF BORING

Borehole ID: A-2

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26				209	11:00 A-2 @ 25 - 25.5		
28		@27' 1" layer of red, well indurated sandstone					
30		@30' gravel clasts become angular		40	11:15 A-2 @ 30 - 30.5		
32		SAND: Dark greenish gray (Gley 1 3/10Y), loose, wet, 100% medium - coarse well rounded sand, minor clay, strong hydrocarbon odor.	SP				▽
34				259	11:20 A-2 @33.5 - 34		Hydropunch driven from 40' to 42' in separate hole, 3 feet from A-2. Sample collected (A-2 @40-42'). Strong resistance encountered from 32' to 42'
36		NO RECOVERY: Refusal @ 38.5'					
38							
40					12:35 A-2 @ 40 - 42 grab water sample		▼
42							

URS

1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-3

Total Depth: 36 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site # 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/27/05

BORING INFORMATION	
Groundwater Depth: 19.24 feet bgs.	**Boring Location:** South corner of property
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
		CLAYEY SANDY GRAVEL: Very dark gray (10YR 3/1), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt, no odor.	GP				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
2		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, slight hydrocarbon odor.	CL				
4		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, minor angular gravel up to 10 mm diameter, no odor.		2	13:05 A-3 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
6							
8		NO RECOVERY					
10							
12		CLAYEY SILT: Olive gray (5Y 4/2)stiff, dry, 60% silt, 35% clay, no odor.	ML				
14							
16		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, dry, 60% angular medium gravel, 25% fine sand, 15% clay, slight hydrocarbon odor.	GM	3	13:15 A-3 @ 14.5 - 15		
18		@17' color change (Gley1 3/10G) green staining. Strong hydrocarbon odor.			13:35 A-3 @ 19.24 grab water sample		▼
20		CLAYEY SILT: Dark greenish gray (Gley1 4/10GY), soft, moist, 60% silt, 30% clay, 10% fine sand, minor gravel, medium plasticity, strong hydrocarbon odor.	ML				
		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, moist, 60% angular medium gravel, 30% clay, 10% fine sand, strong hydrocarbon odor.	GM	3	13:20 A-3 @ 19.5 - 20		
22							

URS

LOG OF BORING

Borehole ID: A-3

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24				8	13:25 A-3 @ 23.5 - 24		▽
26		SAND: Olive brown (2.5Y 4/3), very loose, wet, 100% fine - medium sand, minor clay, strong hydrocarbon odor.	SP	649	13:50 A-3 @ 26 - 26.5		
28		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, dry, 60% angular medium gravel, 30% clay, 10% fine sand, strong hydrocarbon odor.	GM				
30		NO RECOVERY: Sluffing. @27' 1" layer of red (5YR 5/6), well indurated sandstone.					
32					14:15 A-3 @ 34 - 36 grab water sample		Hydropnuch driven from 34' to 36' in separate hole, 3 feet from A-3. Sample collected (A-3@ 34-36').
34							
36							

URS

1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-4

Total Depth: 36 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/26/05

BORING INFORMATION

Groundwater Depth: 21.6 feet bgs.	**Boring Location:** South west side of property.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
		CLAYEY SANDY GRAVEL: Very dark gray (10YR 3/1), dense, dry, 40% angular gravel, 30% fine - coarse angular sand, 20% clay, 10% silt, no odor.	GP				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
2		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity, slight hydrocarbon odor.	CL				
4		SILTY SANDY CLAY: Dark yellowish brown (10YR 4/4), stiff, dry, 50% clay, 30% fine - medium angular sand, 20% silt, no odor. Roots visible.					
		CLAYEY SANDY GRAVEL: Dark yellowish brown (10YR 4/4), dense, dry, 60% angular gravel up to 2 cm diameter, 30% medium - coarse angular sand, 10% clay, no odor.	GM	16.3	12:55 A-4 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
6							
8		NO RECOVERY					
10							
12		CLAYEY SAND: Olive gray (5Y 4/2), medium dense, dry, 85% fine - medium angular sand, 15% clay, no odor.	SM				
14		GRAVELLY SAND: Olive gray (5Y 4/2), medium dense, dry, 70% fine - medium angular sand, 20% angular gravel up to 2 cm diameter, 10% clay, no odor.		2.0	13:15 A-4 @ 15 - 15.5		
16		CLAYEY GRAVEL: Dark greenish gray (Gley1 4/10GY), medium dense, dry, 60% angular medium gravel, 25% fine sand, 15% clay, slight hydrocarbon odor.	GM				
18		@17' color change (Gley1 3/5G) green staining. Strong hydrocarbon odor.					
20				16.7	13:25 A-4 @ 19.5 - 20		
22		CLAYEY SILT: Yellowish brown (10YR 5/4), soft, dry, 60% silt, 30% clay, 10% fine sand, minor gravel, medium plasticity, strong hydrocarbon odor.	ML		13:32 A-4 @ 21.6 grab		

URS

LOG OF BORING

Borehole ID: A-4

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24				2537	water sample		
					13:35 A-4 @ 23.5 - 24		
26		SAND: Olive brown (2.5Y 4/3), loose, wet, 100% medium sand, minor angular gravel up to 3 cm diameter, strong hydrocarbon odor.	SP				▽
28		NO RECOVERY: No recovery due to sluffing from 28' to 35'					
30					13:55 A-4 @ 31.5 - 32		Hydropunch driven from 34' to 36' in separate hole, 3 feet from A-4. Sample collected (A-4@34-36').
32				50.3	14:50 A-4 @ 34 - 36 hydro -punch sample		
34		Refusal @ 35' bgs.					
36							

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Oakland, California 94612

LOG OF BORING

Borehole ID: A-5

Total Depth: 40 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 2" Direct Push
Geologist: Andrew Fowler	**Sampling Method:** Continuous Core
Job Number: 38487353.0A034	**Date(s) Drilled:** 9/26/05
BORING INFORMATION	
Groundwater Depth: 21.6 feet bgs.	**Boring Location:** East side of property, near 73rd Ave entrance.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 2"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
		SP: Very dark greenish gray (Gley1 3/5GY), loose, dry, coarse angular sand, no odor.	SP				
2		SILTY CLAY: Very dark gray (10YR 3/1), stiff, dry, 80% clay, 15% silt, 5% fine med sand, minor gravel, medium plasticity.	CL				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
		CLAYEY SAND: Dark yellowish brown (10YR 4/4), loose, dry, 60% fine - coarse angular sand, 30% clay, 10% silt, no odor.	SP				
4							
				1.6	10:25 A-5 @ 5 - 5.5		Top 5' logged from hand auger / airknife cuttings.
6							
		SANDY CLAY: Brown (10YR 4/3), medium stiff, dry, 60% clay, 40% medium angular sand, minor angular gravel, medium plasticity.	CL				
8							
		@ 9' grades to clayey sand.	SM				
10				1.9	10:35 A-5 @ 10 - 10.5		
		SANDY SILTY GRAVEL: Olive gray (5Y 5/2), 45% angular gravel up to 5 cm diameter, 35% silt, 15% medium sand, 5% clay.	GM				
12							
14							
				12.3	10:45 A-5 @ 15 - 15.5		
16		@ 16' color change (Gley1 3/5G). Strong hydrocarbon odor.					
					A-5 @ 19.5 grab water sample		▼
18							
20				3.1	10:47 A-5 @ 19.5 - 20		
							⧖
22		@ 22' Red layer (5YR 4/6) 1" thick of well indurated sandstone. Lies above capillary fringe.		6.2	11:00 A-5 @ 22 -		
		SAND: Dark greenish gray (Gley1 4/10Y), loose, wet, 100% well sorted,	SP				

URS

LOG OF BORING

Borehole ID: A-5

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24		rounded coarse sand, minor gravel.			22.5		
26		@ 25' gravel increase to 30%		3.6	11:05 A-5 @ 25 - 25.5		
28							
30		CLAYEY SANDY GRAVEL: Dark grayish brown (2.5Y 4/2), medium dense, dry, 60% angular gravel upto 5cm diameter, 20% coarse angular sand, 15% clay, 5% silt, strong hydrocarbon odor, green staining.	GM	12.4	11:10 A-5 @ 30 - 30.5.		Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-5. No water in hydropunch hole after 1 hour.
32							
34							
36				8.5	11:20 A-5 @ 35 - 35.5		
		NO RECOVERY: Stuffing.					
38							
40							

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LOG OF BORING

Borehole ID: A-7

Total Depth: 36.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Station # 11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** 18" Splitspoon, 5' Sampling Intervals
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/3/05

BORING INFORMATION	
Groundwater Depth: not encountered	**Boring Location:** Southeast Corner of Parking Lot for DD's Discounts
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		BLANK: Boring logs for soil boring A-7 were stolen, lithologies were logged on 11/16/05 from samples submitted to Sequoia Analytical. Boring airknifed to 5 feet bgs.					Boring grouted with neat Portland Cement. Top 3" finished to grade with concrete.
4							
6		CLAYEY SILT: Dark yellowish brown (10YR 4/4), medium stiff, dry, 70% silt, 30% clay, minor gravel up to 8 mm, medium plastic.	ML		12:55 A-7 @ 6-6.5'		
8							
10							
12		SANDY GRAVEL: Brown (10YR 4/3), loose, damp, 70% sub-rounded gravel up to 20 mm, 25% medium sand, 5% silt, no plasticity.	GM		13:00 A-7 @ 11-11.5'		
14							
16		SILTY SAND: Brown (10YR 5/3), medium dense, moist, 65% medium to coarse angular sand, 25% clay, 10% sub-rounded gravel up to 10 mm.	SM		13:05 A-7 @ 16-16.5'		
18							
20							
22		@ 21 feet bgs, color change and gravel disappears; Dark yellowish brown (10YR 4/4), moist, 75% medium to coarse angular sand, 25% silt, slight odor.			13:10 A-7 @ 21-21.5'		

URS

LOG OF BORING

Borehole ID: A-7

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26		CLAYEY GRAVEL: Brown (10YR 4/3), loose, moist, 70% sub-rounded to sub-angular gravel up to 10 mm, 25% clay, 5% silt, slight hydrocarbon odor.	GC		13:20 A-7@ 25.5-26'		No water encountered in boring A-7 after 1 hour.
28		NO RECOVERY					
30							▽ Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-7. No water in hydropunch hole after 1 hour.
32							
34					13:45 A-7 @ 36-36.5'		
36		CLAYEY SILT: Brown (10YR 5/3), medium stiff, wet, 80% silt, 20% clay, black specks throughout.	ML				Boring terminated at 36.5'.

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LOG OF BORING

Borehole ID: A-8

Total Depth: 36.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Station #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** 18" Splitspoon, 5' Sampling Intervals
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/3/05

BORING INFORMATION

Groundwater Depth: 24.6 feet bgs.	**Boring Location:** Adjacent to entrance into DD's Discounts
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		BLANK: Boring logs for soilboring A-8 were stolen, lithologies were logged on 11/16/05 from samples submitted to Sequoia Analytical. Boring Airknifed to 5 feet bgs.					Boring grouted with neat Portland Cement. Top 3" finished to grade with concrete.
4							
6		SILTY SAND: Yellowish brown (10YR 5/4), dense, dry, 80% fine sand, 20% silt, no plasticity. 1" layer; reddish brown (5YR 4/3), very hard, well indurated sandstone.	SM		09:00 A-8 @ 6-6.5'		
8							
10							
12					09:05 A-8 @ 11-11.5'		
14							
16		SANDY GRAVEL: Yellowish brown (10YR 5/4), loose, damp, 65% sub-angular gravel up to 30 mm, 3% medium to coarse sand, 5% silt, no plasticity, no odor.	GM		09:10 A-8 @ 15.5-16'		
18							
20							
22		CLAYEY GRAVEL: Yellowish brown (10YR 5/4), medium dense, damp, 60% sub-rounded to sub-angular gravel up to 20 mm, 20% clay, 10% coarse angular sand, 10% silt.	GC		09:15 A-8 @ 21-21.5'		

URS

LOG OF BORING

Borehole ID: A-8

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24					09:36 A-8 @ 24.6' (water)		▼
26		SANDY GRAVEL: Brown (10YR 5/3), loose, wet, 55% sub-angular gravel up to 35 mm, 35% medium sand and rounded coarse sand, 10% silt.	GM				
28					09:40 A-8 @ 25-25.5'		
30		@ 30 feet bgs, gravel increases; loose, wet, 75% sub-rounded gravel up to 10 mm, 15% coarse sand, 55% silt.			09:45 A-8 @ 30-30.5'		Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-8. No water in hydropunch hole after 1 hour.
32							
34					09:50 A-8 @ 36-36.5'		
36		CLAYEY SILT: Brown (10YR 5/3), medium stiff, wet, 80% silt, 20% clay. Black specs throughout, light olive brown mottling.	ML				Boring terminated at 36.5'.

URS

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LOG OF BORING

Borehole ID: A-9

Total Depth: 36.5 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Andrew Fowler	**Sampling Method:** 18" Splitspoon, 5' Sampling Intervals
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/3/05

BORING INFORMATION	
Groundwater Depth: 24.2 feet bgs.	**Boring Location:** Offsite: North corner of site in adjacent parking lot
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		ASPHALT					
2		BLANK: Boring logs for soilboring A-9 were stolen, lithologies were logged on 11/16/05 from samples submitted to Sequoia Analytical. Boring Airknifed to 5 feet bgs.					Boring grouted with neat Portland Cement. Top 3" finished to grade with concrete.
4							
6		SILTY SAND: Yellowish brown (10YR 5/4), medium stiff, damp, 80% medium to coarse sand, 20% silt, low plasticity.	SM		11:15 A-9 @ 6-6.5'		
8							
10							
12		GRAVELLY SAND: Yellowish brown (10YR 5/4), loose, damp, 60% well sorted medium sand, 30% gravel up to 20 mm, 10% silt, no plasticity, no odor.	SP		11:20 A-9 @ 11-11.5'		
14							
16		CLAYEY GRAVEL: Yellowish brown (10YR 5/4), medium dense, damp, 60% sub-rounded to sub-angular gravel up to 30 mm, 20% clay, 10% coarse angular sand, 10% silt, no odor.	GC		11:30 A-9 @ 16-16.5'		
18							
20							
22		SANDY GRAVEL: Brown (10YR 5/3), loose, damp, 55% sub-rounded angular gravel up to 35 mm, 35% medium sand and rounded coarse sand, 10% silt, no plasticity, no odor.	GM		11:31 A-9 @ 21-21.5'		

URS

LOG OF BORING

Borehole ID: A-9

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24					11:35 A-9 @ 24.2' (water)		▼ ▽
26		SILTY SAND: Yellowish brown (10YR 5/4), loose, wet, 65% medium to coarse sub-rounded to sub-angular sand, 30% silt, 5% clay, no plasticity, no odor.	SM				
28					11:40 A-9 @ 25-25.5'		
30							Hydropunch driven from 28' to 30' in separate hole, 3 feet from A-9. No water in hydropunch hole after 1 hour.
32		CLAY: Dark grayish brown (10YR 4/2), medium stiff, dry, 90% clay, 10% silt, medium to high plasticity.	CL		11:45 A-9 @ 31-31.5'		
		CLAYEY GRAVEL: Brown (7.5YR 5/2), loose to medium dense, dry, 80% sub angular gravel up to 10 mm, 15% clay, 5% silt.	GC				
34					11:50 A-9 @ 36-36.5'		
36		CLAYEY SILT: Brown (10YR 5/3), medium stiff, wet, 80% silt, 20% clay, no odor. Black specs throughout.	ML				Boring terminated at 36.5'.

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1333 Broadway, Suite 800
Oakland, California 94612

LOG OF BORING

Borehole ID: A-10

Total Depth: 39 feet bgs.

PROJECT INFORMATION	DRILLING INFORMATION
Project: Former BP Site #11117 Soil and Water Investigation	**Drilling Company:** Gregg Drilling and Testing, Inc.
Site Location: 7210 Bancroft Ave, Oakland, CA	**Driller:** Paul Rogers
Project Manager: Lynelle Onishi	**Type of Drilling Rig:** Geoprobe
PG: Barbara Jakub	**Drilling Method:** 4.5" Simco Augers
Geologist: Barbara Jakub	**Sampling Method:** 18" Split Spoon
Job Number: 38487353.0A034	**Date(s) Drilled:** 11/7/05

BORING INFORMATION

Groundwater Depth: 25 feet bgs	**Boring Location:** In center of planter, across 73rd Ave. from Site.
Air Knife or Hand Auger Depth: 5.0 feet	**Boring Diameter:** 4.5"
Coordinates: X Y	**Boring Type:** Exploratory

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample ID	Recovery	Comments
0		MUCLH: Mulch cover to 0.2 feet bgs.					
		FILL: Angular gravel fill with clasts up to 120 mm in diameter.	FILL				Boring grouted with neat Portland Cement. Top 3" finished to grade with cement.
2							
4		CLAYEY SILT: Dark brown (10YR 3/3). 80% Silt, 15% clay, 5% sand.	ML				
6		SILT: Brown (10 YR 4/3), medium stiff, damp, 85% silt, 10% clay, 4% fine sand, 1% angular gravel up to 80 mm diameter, low plasticity. Trace black specs.			09:48 A-10 @ 5.5-6'		Top 5' logged from hand auger / airknife cuttings.
8							
10		SILTY SAND: Brown (7.5YR 4/3), loose, damp, 55% fine sand, 40% silt, 3% clay, 2% gravel, non plastic. Fines downward.	SM		10:02 A-10 @ 10.5-11'		
12							
14		SILT: Yellowish brown (10YR 5/4), stiff, damp, 85% silt, 10% clay, 5% fine sand, low plasticity. Manganese staining.	ML		10:05 A-10 @ 15.5-16'		
16							
18							
20		Silt content increases. 95% Silt, 5% clay. Medium stiff.			10:10 A-10 @ 20.5-21'		
22							

URS

LOG OF BORING

Borehole ID: A-10

Depth (ft bgs)	Symbol	Lithologic Description	USCS	PID (ppm)	Sample I.D.	Recovery	Comments
24							
26		SANDY SILT: Yellowish brown (10YR 5/4), soft, moist, 80% silt, 17% fine sand, 3% clay. Trace black specs and white granules (possibly feldspar) up to 30 mm in diameter.			10:19 A-10 @ 25.5-26'		⊻
28					10:20 A-10 @ 25' (water)		
30		SILT: Yellowish brown (10YR 5/4), soft, wet to saturated, 75% silt, 10% clay, 10% gravel, 5% sand. Angular chert gravel at base up to 30 mm in diameter.			10:33 A-10 @ 30.5-31'		
32							Hydropunch driven from 39' to 41' in separate hole, 3 feet from A-10. Sample taken (A-10@39').
34					10:42 A-10 @ 35.5-36'		
36		SILTY GRAVEL: Yellowish brown (10YR 5/4), dense, wet, 70% angular to sub-angular gravel up to 30 mm in diameter with chert and sandstone clasts, 17% silt, 10% sand, 3% clay.	GM				
38					11:07 A-10 @ 39' (water)		Total depth 39 feet bgs.
40							

ATTACHMENT C

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 051103-MT2 Date 11/3/05 Client Arco

Site 7210 Bancroft, Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or ~~TOC~~	
MW-1	2					18.55	36.45		
MW-2	2	Odor				20.25	39.43		
MW-3	2					18.91	40.80		
MW-4	2	Odor				19.33	39.63		
MW-6	2					~~19.28~~	39.50		
MW-7	2					~~21.00~~	44.75		
MW-8	2					19.42	39.60		
MW-9	2					19.90	39.10		
MW-10	2					20.90	35.75		
EX-1	4	Odor				19.92	37.87		
EX-2	4					20.42	35.00		

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051103-MT2	Station # 1117
Sampler: MT	Date: 11/3/05
Well I.D.: EX-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 37.97	Depth to Water: 19.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

11.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 35.1 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1539	69.4	6.9	778	11.7	odor
1541	70.2	6.8	785	23.4	"
1544	69.0	6.8	792	35.1	"

Did well dewater? Yes (No) Gallons actually evacuated: 35.1

Sampling Time: 1550 Sampling Date: 11/3/05

Sample I.D.: EX-1 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) (1,2-DCA) (EDB) (Ethanol) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.88 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051103-MT	Station # 11117
Sampler: MT	Date: 11/3/05
Well I.D.: EX-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 35.00	Depth to Water: 20.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

9.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 28.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1600	69.5	7.4	565	9.5	Odor
1602	71.1	6.9	550	19	"
1605	71.0	6.9	551	28.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 28.5

Sampling Time: 1610 Sampling Date: 11/3/05

Sample I.D.: EX-2 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO (VOA) (2-DCA) (EDB) (Ethanol) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: 0.77	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051103-LMT2	Station # 1117
Sampler: LMT	Date: 11/3/05
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 39.43	Depth to Water: 20.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade.	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / (Positive Air Displacement) / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1450	68.7	7.0	751	3	clear
1453	69.4	6.6	723	6	"
1456	69.0	6.7	715	9	"

Did well dewater? Yes (No) Gallons actually evacuated: 9

Sampling Time: 1500 Sampling Date: 11/3/05

Sample I.D.: MW-2 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) 1,2-DCA (EDB) (Ethanol) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.66	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051103-MT2	Station # 11117
Sampler: MT	Date: 11/3/05
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 39.63	Depth to Water: 19.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / ~~Positive Air Displacement~~ / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1510	69.2	6.6	880	3.2	odor
1514	69.8	6.6	874	6.4	"
1518	69.6	6.6	885	9.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 9.6

Sampling Time: 1525 Sampling Date: 11/3/05

Sample I.D.: MW-4 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) (1,2-DCA) (EDB) (Ethanol) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.50	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051103-MT2	Station # 11117
Sampler: MT	Date: 11/3/05
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 44.75	Depth to Water: 21.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- (Positive Air Displacement)
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- (Disposable Bailer)
- Extraction Port
- Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 11.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1400	69.5	6.4	527	3.9	
1405	70.3	7.2	485	7.6	
1410	70.3	7.2	484	11.4	

Did well dewater? Yes (No)

Gallons actually evacuated: 11.4

Sampling Time: 1415

Sampling Date: 11/3/05

Sample I.D.: MW-7

Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPHG) (BTEX) MTBE DRO (Oxy's) (1,2-DCA) (EDB) (Ethanol) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.63 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 051103-MT2	Station # 11117
Sampler: MT	Date: 11/3/05
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 35.75	Depth to Water: 20.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / (Positive Air Displacement) / Electric Submersible / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

2.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 7.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1426	70.3	6.8	905	2.4	
1429	70.5	6.8	913	4.8	
1432	71.2	6.8	932	7.2	

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Time: 1435 Sampling Date: 11/3/05

Sample I.D.: MW-11 Laboratory: Pace (Sequoia) Other ____

Analyzed for: (GRO) (BTEX) MTBE DRO (Oxy's) (1,2-DCA) (EDB) (Ethanol) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	0.71	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

11117
Station #

7210 Bancroft, Oakland
Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

101

added equip. rinse water not 2

any other adjustments

TOTAL GALS. RECOVERED 103

loaded onto BTS vehicle # 63

BTS event # 051103-KH2

time 1620

date 11/3/05

signature

* *

REC'D AT BTS

time

date 11/3/05

unloaded by signature

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.

Sequoia
Analytical

885 Jarvis Drive
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FAX (408) 782-6308
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14 October, 2005

Lynelle Onishi
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11117,Oakland, CA
Work Order: MOI0835

Enclosed are the results of analyses for samples received by the laboratory on 09/27/05 17:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kekobad

Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-1 6-6.5'	MOI0835-01	Soil	09/27/05 07:45	09/27/05 17:25
A-1 11-11.5'	MOI0835-02	Soil	09/27/05 07:50	09/27/05 17:25
A-1 16-16.5'	MOI0835-03	Soil	09/27/05 07:52	09/27/05 17:25
A-1 21-21.5'	MOI0835-04	Soil	09/27/05 07:58	09/27/05 17:25
A-1 25.5-26'	MOI0835-05	Soil	09/27/05 08:05	09/27/05 17:25
A-1 30.5-31'	MOI0835-06	Soil	09/27/05 08:15	09/27/05 17:25
A-1 35-5-36'	MOI0835-07	Soil	09/27/05 08:20	09/27/05 17:25
A-1 39-39.5'	MOI0835-08	Soil	09/27/05 08:25	09/27/05 17:25
A-1 46-46.5'	MOI0835-09	Soil	09/27/05 08:45	09/27/05 17:25
A-1 22.6	MOI0835-10	Water	09/27/05 08:00	09/27/05 17:25
A-2 5-5.5'	MOI0835-11	Soil	09/27/05 10:35	09/27/05 17:25
A-2 10-10.5'	MOI0835-12	Soil	09/27/05 10:40	09/27/05 17:25
A-2 15-15.5'	MOI0835-13	Soil	09/27/05 10:45	09/27/05 17:25
A-2 19.5-20'	MOI0835-14	Soil	09/27/05 10:46	09/27/05 17:25
A-2 21.3	MOI0835-15	Water	09/27/05 11:22	09/27/05 17:25
A-2 25-25.5'	MOI0835-16	Soil	09/27/05 11:00	09/27/05 17:25
A-2 30-30.5'	MOI0835-17	Soil	09/27/05 11:15	09/27/05 17:25
A-2 33.5-34'	MOI0835-18	Soil	09/27/05 11:20	09/27/05 17:25
A-2 40-42'	MOI0835-19	Water	09/27/05 12:35	09/27/05 17:25
A-3 5-5.5'	MOI0835-20	Soil	09/27/05 13:05	09/27/05 17:25
A-3 14.5-15'	MOI0835-21	Soil	09/27/05 13:15	09/27/05 17:25
A-3 19.5-20'	MOI0835-22	Soil	09/27/05 13:20	09/27/05 17:25
A-3 23.5-24'	MOI0835-23	Soil	09/27/05 13:25	09/27/05 17:25
A-3 26-26.5'	MOI0835-24	Soil	09/27/05 13:50	09/27/05 17:25
A-3 19.4	MOI0835-25	Water	09/27/05 13:35	09/27/05 17:25
A-3 34-36'	MOI0835-26	Water	09/27/05 14:15	09/27/05 17:25
Trip Blank	MOI0835-27	Water	09/27/05 00:00	09/27/05 17:25

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

These samples were received with no custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-3 26-26.5' (MOI0835-24) Soil	**Sampled: 09/27/05 13:50**		**Received: 09/27/05 17:25**						
Lead	**8.5**	5.0	mg/kg	1	5J13039	10/13/05	10/13/05	EPA 6010B	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-1 6-6.5' (MOI0835-01) Soil Sampled: 09/27/05 07:45 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*60-125*		"	"	"	"	
A-1 11-11.5' (MOI0835-02) Soil Sampled: 09/27/05 07:50 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-1 16-16.5' (MOI0835-03) Soil Sampled: 09/27/05 07:52 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	
A-1 21-21.5' (MOI0835-04) Soil Sampled: 09/27/05 07:58 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1.01	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-1 25.5-26' (MOI0835-05) Soil	**Sampled: 09/27/05 08:05**	**Received: 09/27/05 17:25**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-125*		"	"	"	"	
A-1 30.5-31' (MOI0835-06) Soil	**Sampled: 09/27/05 08:15**	**Received: 09/27/05 17:25**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-1 35-5-36' (MOI0835-07) Soil Sampled: 09/27/05 08:20 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1.01	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	
A-1 39-39.5' (MOI0835-08) Soil Sampled: 09/27/05 08:25 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.050	mg/kg	2	5J06050	10/06/05	10/08/05	EPA 8260B	
Benzene	ND	0.10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	
Ethanol	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	**0.11**	0.10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.11**	0.10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**76**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*	*60-125*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-1 46-46.5' (MOI0835-09) Soil	**Sampled: 09/27/05 08:45**	**Received: 09/27/05 17:25**							
tert-Amyl methyl ether	ND	0.025	mg/kg	1	5J07032	10/07/05	10/08/05	EPA 8260B	
Benzene	ND	0.050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	
Ethanol	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.84**	0.025	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	
A-1 22.6 (MOI0835-10) Water	**Sampled: 09/27/05 08:00**	**Received: 09/27/05 17:25**							
tert-Amyl methyl ether	ND	0.50	ug/l	1	5J04002	10/04/05	10/04/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-2 5-5.5' (MOI0835-11) Soil Sampled: 09/27/05 10:35 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*60-125*		"	"	"	"	
A-2 10-10.5' (MOI0835-12) Soil Sampled: 09/27/05 10:40 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-125*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-2 15-15.5' (MOI0835-13) Soil	**Sampled: 09/27/05 10:45**	**Received: 09/27/05 17:25**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J07009	10/07/05	10/07/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*79 %*	*60-125*		"	"	"	"	
A-2 19.5-20' (MOI0835-14) Soil	**Sampled: 09/27/05 10:46**	**Received: 09/27/05 17:25**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J07009	10/07/05	10/07/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*60-125*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-2 21.3 (MOI0835-15) Water Sampled: 09/27/05 11:22 Received: 09/27/05 17:25									**BZ,BU**
tert-Amyl methyl ether	ND	250	ug/l	500	5J04002	10/04/05	10/04/05	EPA 8260B	
Benzene	ND	250	"	"	"	"	"	"	
tert-Butyl alcohol	ND	10000	"	"	"	"	"	"	
Di-isopropyl ether	ND	250	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	250	"	"	"	"	"	"	
1,2-Dichloroethane	ND	250	"	"	"	"	"	"	
Ethanol	ND	50000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Ethylbenzene	**7200**	250	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Toluene	ND	250	"	"	"	"	"	"	
Xylenes (total)	**29000**	250	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**510000**	25000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*60-135*		"	"	"	"	
A-2 25-25.5' (MOI0835-16) Soil Sampled: 09/27/05 11:00 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.050	mg/kg	2	5J06050	10/06/05	10/08/05	EPA 8260B	
Benzene	ND	0.10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	10	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.050	"	"	"	"	"	"	
Ethanol	ND	20	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	ND	0.10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**34**	5.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-2 30-30.5' (MOI0835-17) Soil	**Sampled: 09/27/05 11:15**		**Received: 09/27/05 17:25**						
tert-Amyl methyl ether	ND	0.12	mg/kg	5	5J06050	10/06/05	10/08/05	EPA 8260B	
Benzene	ND	0.25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	25	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.12	"	"	"	"	"	"	
Ethanol	ND	50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.12	"	"	"	"	"	"	
Ethylbenzene	ND	0.25	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.12	"	"	"	"	"	"	
Toluene	ND	0.25	"	"	"	"	"	"	
Xylenes (total)	ND	0.25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**120**	12	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-125*		"	"	"	"	
A-2 33.5-34' (MOI0835-18) Soil	**Sampled: 09/27/05 11:20**		**Received: 09/27/05 17:25**						
tert-Amyl methyl ether	ND	0.025	mg/kg	1	5J06050	10/06/05	10/08/05	EPA 8260B	
Benzene	ND	0.050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	
Ethanol	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	**0.25**	0.050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Xylenes (total)	**0.99**	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**17**	2.5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-2 40-42' (MOI0835-19) Water Sampled: 09/27/05 12:35 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	25	ug/l	50	5J04002	10/04/05	10/04/05	EPA 8260B	
Benzene	**1800**	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	**28**	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	**1300**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**110**	25	"	"	"	"	"	"	
Toluene	**97**	25	"	"	"	"	"	"	
Xylenes (total)	**1200**	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**36000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*60-135*		"	"	"	"	
A-3 5-5.5' (MOI0835-20) Soil Sampled: 09/27/05 13:05 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J07009	10/07/05	10/07/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.0050**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**0.27**	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-3 14.5-15' (MOI0835-21) Soil Sampled: 09/27/05 13:15 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J07009	10/07/05	10/07/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**0.13**	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*60-125*		"	"	"	"	
A-3 19.5-20' (MOI0835-22) Soil Sampled: 09/27/05 13:20 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J07009	10/07/05	10/07/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-3 23.5-24' (MOI0835-23) Soil	**Sampled: 09/27/05 13:25**		**Received: 09/27/05 17:25**						
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J07009	10/07/05	10/07/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*60-125*		"	"	"	"	
A-3 26-26.5' (MOI0835-24) Soil	**Sampled: 09/27/05 13:50**		**Received: 09/27/05 17:25**						
tert-Amyl methyl ether	ND	0.50	mg/kg	20	5J06050	10/06/05	10/08/05	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**4.5**	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**18**	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**220**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-3 19.4 (MOI0835-25) Water Sampled: 09/27/05 13:35 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	12	ug/l	25	5J04002	10/04/05	10/05/05	EPA 8260B	
Benzene	**12**	12	"	"	"	"	"	"	
tert-Butyl alcohol	ND	500	"	"	"	"	"	"	
Di-isopropyl ether	ND	12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	12	"	"	"	"	"	"	
Ethanol	ND	2500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	12	"	"	"	"	"	"	
Ethylbenzene	**500**	12	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	12	"	"	"	"	"	"	
Toluene	**43**	12	"	"	"	"	"	"	
Xylenes (total)	**1900**	12	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**25000**	1200	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*85 %*	*60-135*		"	"	"	"	
A-3 34-36' (MOI0835-26) Water Sampled: 09/27/05 14:15 Received: 09/27/05 17:25									
tert-Amyl methyl ether	ND	5.0	ug/l	10	5J04002	10/04/05	10/05/05	EPA 8260B	
Benzene	**21**	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**8.3**	5.0	"	"	"	"	"	"	
Toluene	**24**	5.0	"	"	"	"	"	"	
Xylenes (total)	**130**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**12000**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J13039 - EPA 3050B / EPA 6010B										
Blank (5J13039-BLK1)				Prepared & Analyzed: 10/13/05						
Lead	ND	5.0	mg/kg							
Laboratory Control Sample (5J13039-BS1)				Prepared & Analyzed: 10/13/05						
Lead	44.0	5.0	mg/kg	50.0		88	75-120			
Matrix Spike (5J13039-MS1)	**Source: MOJ0644-01**			Prepared & Analyzed: 10/13/05						
Lead	49.9	5.0	mg/kg	50.0	6.4	87	75-120			
Matrix Spike Dup (5J13039-MSD1)	**Source: MOJ0644-01**			Prepared & Analyzed: 10/13/05						
Lead	50.2	5.0	mg/kg	50.0	6.4	88	75-120	0.6	20	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J04002 - EPA 5030B Modified / EPA 8260B										
Blank (5J04002-BLK1)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.44*		"	*5.00*		*89*	*60-135*			
Blank (5J04002-BLK2)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.46*		"	*5.00*		*89*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J04002 - EPA 5030B Modified / EPA 8260B										
Laboratory Control Sample (5J04002-BS1)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	14.1	0.50	ug/l	15.0		94	80-115			
Benzene	4.85	0.50	"	5.16		94	65-115			
tert-Butyl alcohol	155	20	"	143		108	75-150			
Di-isopropyl ether	14.3	0.50	"	15.1		95	75-125			
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.9		110	85-120			
1,2-Dichloroethane	15.6	0.50	"	14.7		106	85-130			
Ethanol	173	100	"	142		122	70-135			
Ethyl tert-butyl ether	13.2	0.50	"	15.0		88	75-130			
Ethylbenzene	6.52	0.50	"	7.54		86	75-135			
Methyl tert-butyl ether	6.94	0.50	"	7.02		99	65-125			
Toluene	35.3	0.50	"	37.2		95	85-120			
Xylenes (total)	39.9	0.50	"	41.2		97	85-125			
Gasoline Range Organics (C4-C12)	471	50	"	440		107	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.75*		"	*5.00*		*95*	*60-135*			
Laboratory Control Sample (5J04002-BS2)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	13.5	0.50	ug/l	15.0		90	80-115			
Benzene	4.72	0.50	"	5.16		91	65-115			
tert-Butyl alcohol	155	20	"	143		108	75-150			
Di-isopropyl ether	15.4	0.50	"	15.1		102	75-125			
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.9		110	85-120			
1,2-Dichloroethane	14.0	0.50	"	14.7		95	85-130			
Ethanol	178	100	"	142		125	70-135			
Ethyl tert-butyl ether	13.5	0.50	"	15.0		90	75-130			
Ethylbenzene	6.61	0.50	"	7.54		88	75-135			
Methyl tert-butyl ether	6.81	0.50	"	7.02		97	65-125			
Toluene	36.0	0.50	"	37.2		97	85-120			
Xylenes (total)	38.1	0.50	"	41.2		92	85-125			
Gasoline Range Organics (C4-C12)	485	50	"	440		110	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.30*		"	*5.00*		*86*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J04002 - EPA 5030B Modified / EPA 8260B										
Matrix Spike (5J04002-MS1)	**Source: MOI0747-02**			Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	804	25	ug/l	752	48	101	80-115			
Benzene	461	25	"	258	210	97	65-115			
tert-Butyl alcohol	16000	1000	"	7160	9000	98	75-120			
Di-isopropyl ether	743	25	"	756	ND	98	75-125			
1,2-Dibromoethane (EDB)	814	25	"	744	ND	109	85-120			
1,2-Dichloroethane	755	25	"	736	ND	103	85-130			
Ethanol	8200	5000	"	7080	ND	116	70-135			
Ethyl tert-butyl ether	707	25	"	752	ND	94	75-130			
Ethylbenzene	3140	25	"	377	2900	64	75-135			BB,LN
Methyl tert-butyl ether	1280	25	"	351	1000	80	65-125			
Toluene	2080	25	"	1860	280	97	85-120			
Xylenes (total)	9650	25	"	2060	8200	70	85-125			LN
Gasoline Range Organics (C4-C12)	60500	2500	"	22000	42000	84	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.71*		"	*5.00*		*94*	*60-135*			
Matrix Spike Dup (5J04002-MSD1)	**Source: MOI0747-02**			Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	770	25	ug/l	752	48	96	80-115	4	15	
Benzene	461	25	"	258	210	97	65-115	0	20	
tert-Butyl alcohol	15900	1000	"	7160	9000	96	75-120	0.6	25	
Di-isopropyl ether	764	25	"	756	ND	101	75-125	3	15	
1,2-Dibromoethane (EDB)	844	25	"	744	ND	113	85-120	4	15	
1,2-Dichloroethane	708	25	"	736	ND	96	85-130	6	20	
Ethanol	7740	5000	"	7080	ND	109	70-135	6	35	
Ethyl tert-butyl ether	694	25	"	752	ND	92	75-130	2	25	
Ethylbenzene	3070	25	"	377	2900	45	75-135	2	15	BB,LN
Methyl tert-butyl ether	1250	25	"	351	1000	71	65-125	2	20	
Toluene	2080	25	"	1860	280	97	85-120	0	20	
Xylenes (total)	9050	25	"	2060	8200	41	85-125	6	20	LN
Gasoline Range Organics (C4-C12)	59200	2500	"	22000	42000	78	70-124	2	20	
Surrogate: 1,2-Dichloroethane-d4	*4.48*		"	*5.00*		*90*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06008 - EPA 5030B P/T / EPA 8260B										
Blank (5J06008-BLK1)				Prepared & Analyzed: 10/06/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00507*		"	*0.00500*		*101*	*60-125*			
Laboratory Control Sample (5J06008-BS1)				Prepared & Analyzed: 10/06/05						
tert-Amyl methyl ether	0.0172	0.0050	mg/kg	0.0150		115	80-130			
Benzene	0.00470	0.0050	"	0.00516		91	65-125			
tert-Butyl alcohol	0.142	0.020	"	0.143		99	80-165			
Di-isopropyl ether	0.0160	0.0050	"	0.0151		106	85-115			
1,2-Dibromoethane (EDB)	0.0155	0.0050	"	0.0149		104	85-130			
1,2-Dichloroethane	0.0143	0.0050	"	0.0147		97	63-124			
Ethanol	0.116	0.10	"	0.142		82	35-150			
Ethyl tert-butyl ether	0.0166	0.0050	"	0.0150		111	80-125			
Ethylbenzene	0.00691	0.0050	"	0.00754		92	80-135			
Methyl tert-butyl ether	0.00728	0.0050	"	0.00702		104	75-115			
Toluene	0.0361	0.0050	"	0.0372		97	85-125			
Xylenes (total)	0.0398	0.0050	"	0.0412		97	80-140			
Gasoline Range Organics (C4-C12)	0.424	0.10	"	0.440		96	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00433*		"	*0.00500*		*87*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06008 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5J06008-BSD1)				Prepared & Analyzed: 10/06/05						
tert-Amyl methyl ether	0.0176	0.0050	mg/kg	0.0150		117	80-130	2	25	
Benzene	0.00494	0.0050	"	0.00516		96	65-125	5	20	
tert-Butyl alcohol	0.145	0.020	"	0.143		101	80-165	2	25	
Di-isopropyl ether	0.0169	0.0050	"	0.0151		112	85-115	5	20	
1,2-Dibromoethane (EDB)	0.0157	0.0050	"	0.0149		105	85-130	1	15	
1,2-Dichloroethane	0.0147	0.0050	"	0.0147		100	63-124	3	25	
Ethanol	0.118	0.10	"	0.142		83	35-150	2	40	
Ethyl tert-butyl ether	0.0169	0.0050	"	0.0150		113	80-125	2	25	
Ethylbenzene	0.00760	0.0050	"	0.00754		101	80-135	10	20	
Methyl tert-butyl ether	0.00724	0.0050	"	0.00702		103	75-115	0.6	35	
Toluene	0.0394	0.0050	"	0.0372		106	85-125	9	15	
Xylenes (total)	0.0435	0.0050	"	0.0412		106	80-140	9	20	
Gasoline Range Organics (C4-C12)	0.467	0.10	"	0.440		106	53-126	10	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00431*		"	*0.00500*		*86*	*60-125*			
Batch 5J06050 - EPA 5030B/5035A MeOH / EPA 8260B										
Blank (5J06050-BLK1)				Prepared: 10/06/05 Analyzed: 10/07/05						
tert-Amyl methyl ether	ND	0.025	mg/kg							
Benzene	ND	0.050	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.025	"							
1,2-Dibromoethane (EDB)	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
Ethanol	ND	10	"							
Ethyl tert-butyl ether	ND	0.025	"							
Ethylbenzene	ND	0.050	"							
Methyl tert-butyl ether	ND	0.025	"							
Toluene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Gasoline Range Organics (C4-C12)	ND	2.5	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00531*		"	*0.00500*		*106*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06050 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample (5J06050-BS1)				Prepared: 10/06/05 Analyzed: 10/07/05						
tert-Amyl methyl ether	0.541	0.025	mg/kg	0.500		108	80-130			
Benzene	0.520	0.050	"	0.500		104	65-125			
tert-Butyl alcohol	2.19	5.0	"	2.50		88	80-165			
Di-isopropyl ether	0.550	0.025	"	0.500		110	85-115			
1,2-Dibromoethane (EDB)	0.543	0.025	"	0.500		109	85-130			
1,2-Dichloroethane	0.568	0.025	"	0.500		114	63-124			
Ethanol	8.43	10	"	10.0		84	35-150			
Ethyl tert-butyl ether	0.526	0.025	"	0.500		105	80-125			
Ethylbenzene	0.481	0.050	"	0.500		96	80-135			
Methyl tert-butyl ether	0.501	0.025	"	0.500		100	75-115			
Toluene	0.559	0.050	"	0.500		112	85-125			
Xylenes (total)	1.37	0.050	"	1.50		91	80-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00528*		"	*0.00500*		*106*	*60-125*			
Laboratory Control Sample (5J06050-BS2)				Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	0.222	0.050	mg/kg	0.228		97	65-125			
Ethylbenzene	0.286	0.050	"	0.294		97	80-135			
Methyl tert-butyl ether	0.370	0.025	"	0.360		103	75-115			
Toluene	1.43	0.050	"	1.23		116	85-125			
Xylenes (total)	1.33	0.050	"	1.44		92	80-140			
Gasoline Range Organics (C4-C12)	15.5	2.5	"	16.5		94	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00530*		"	*0.00500*		*106*	*60-125*			
Laboratory Control Sample Dup (5J06050-BSD1)				Prepared: 10/06/05 Analyzed: 10/07/05						
tert-Amyl methyl ether	0.556	0.025	mg/kg	0.500		111	80-130	3	25	
Benzene	0.523	0.050	"	0.500		105	65-125	0.6	20	
tert-Butyl alcohol	2.22	5.0	"	2.50		89	80-165	1	25	
Di-isopropyl ether	0.549	0.025	"	0.500		110	85-115	0.2	20	
1,2-Dibromoethane (EDB)	0.574	0.025	"	0.500		115	85-130	6	15	
1,2-Dichloroethane	0.570	0.025	"	0.500		114	63-124	0.4	25	
Ethanol	8.00	10	"	10.0		80	35-150	5	40	
Ethyl tert-butyl ether	0.532	0.025	"	0.500		106	80-125	1	25	
Ethylbenzene	0.501	0.050	"	0.500		100	80-135	4	20	
Methyl tert-butyl ether	0.524	0.025	"	0.500		105	75-115	4	35	
Toluene	0.575	0.050	"	0.500		115	85-125	3	15	
Xylenes (total)	1.45	0.050	"	1.50		97	80-140	6	20	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06050 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample Dup (5J06050-BSD1)				Prepared: 10/06/05 Analyzed: 10/07/05						
Surrogate: 1,2-Dichloroethane-d4	*0.00516*		*mg/kg*	*0.00500*		*103*	*60-125*			
Laboratory Control Sample Dup (5J06050-BSD2)				Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	0.197	0.050	mg/kg	0.228		86	65-125	12	20	
Ethylbenzene	0.268	0.050	"	0.294		91	80-135	6	20	
Methyl tert-butyl ether	0.338	0.025	"	0.360		94	75-115	9	35	
Toluene	1.32	0.050	"	1.23		107	85-125	8	15	
Xylenes (total)	1.26	0.050	"	1.44		87	80-140	5	20	
Gasoline Range Organics (C4-C12)	13.9	2.5	"	16.5		84	60-140	11	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00537*		*"*	*0.00500*		*107*	*60-125*			
Batch 5J07009 - EPA 5030B P/T / EPA 8260B										
Blank (5J07009-BLK1)				Prepared & Analyzed: 10/07/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00497*		*"*	*0.00500*		*99*	*60-125*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J07009 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5J07009-BS1)				Prepared & Analyzed: 10/07/05						
tert-Amyl methyl ether	0.0178	0.0050	mg/kg	0.0150		119	80-130			
Benzene	0.00486	0.0050	"	0.00516		94	65-125			
tert-Butyl alcohol	0.147	0.020	"	0.143		103	80-165			
Di-isopropyl ether	0.0166	0.0050	"	0.0151		110	85-115			
1,2-Dibromoethane (EDB)	0.0158	0.0050	"	0.0149		106	85-130			
1,2-Dichloroethane	0.0146	0.0050	"	0.0147		99	63-124			
Ethanol	0.120	0.10	"	0.142		85	35-150			
Ethyl tert-butyl ether	0.0171	0.0050	"	0.0150		114	80-125			
Ethylbenzene	0.00721	0.0050	"	0.00754		96	80-135			
Methyl tert-butyl ether	0.00743	0.0050	"	0.00702		106	75-115			
Toluene	0.0387	0.0050	"	0.0372		104	85-125			
Xylenes (total)	0.0420	0.0050	"	0.0412		102	80-140			
Gasoline Range Organics (C4-C12)	0.516	0.10	"	0.440		117	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00419*		"	*0.00500*		*84*	*60-125*			
Matrix Spike (5J07009-MS1)	**Source: MOI0835-20**			Prepared & Analyzed: 10/07/05						
tert-Amyl methyl ether	0.0176	0.0050	mg/kg	0.0150	0.00020	116	80-130			
Benzene	0.00487	0.0050	"	0.00516	ND	94	65-125			
tert-Butyl alcohol	0.146	0.020	"	0.143	0.0022	101	80-135			
Di-isopropyl ether	0.0165	0.0050	"	0.0151	ND	109	85-115			
1,2-Dibromoethane (EDB)	0.0158	0.0050	"	0.0149	ND	106	85-130			
1,2-Dichloroethane	0.0151	0.0050	"	0.0147	ND	103	63-124			
Ethanol	0.111	0.10	"	0.142	ND	78	35-150			
Ethyl tert-butyl ether	0.0168	0.0050	"	0.0150	ND	112	80-125			
Ethylbenzene	0.00730	0.0050	"	0.00754	0.00017	95	80-135			
Methyl tert-butyl ether	0.0121	0.0050	"	0.00702	0.0050	101	75-115			
Toluene	0.0370	0.0050	"	0.0372	0.00014	99	85-125			
Xylenes (total)	0.0405	0.0050	"	0.0412	0.00041	97	80-140			
Gasoline Range Organics (C4-C12)	0.587	0.10	"	0.440	0.27	72	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00422*		"	*0.00500*		*84*	*60-125*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J07009 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (5J07009-MSD1)	**Source: MOI0835-20**			Prepared & Analyzed: 10/07/05						
tert-Amyl methyl ether	0.0175	0.0050	mg/kg	0.0150	0.00020	115	80-130	0.6	25	
Benzene	0.00480	0.0050	"	0.00516	ND	93	65-125	1	20	
tert-Butyl alcohol	0.160	0.020	"	0.143	0.0022	110	80-135	9	20	
Di-isopropyl ether	0.0166	0.0050	"	0.0151	ND	110	85-115	0.6	20	
1,2-Dibromoethane (EDB)	0.0153	0.0050	"	0.0149	ND	103	85-130	3	15	
1,2-Dichloroethane	0.0145	0.0050	"	0.0147	ND	99	63-124	4	25	
Ethanol	0.132	0.10	"	0.142	ND	93	35-150	17	40	
Ethyl tert-butyl ether	0.0171	0.0050	"	0.0150	ND	114	80-125	2	25	
Ethylbenzene	0.00740	0.0050	"	0.00754	0.00017	96	80-135	1	20	
Methyl tert-butyl ether	0.0124	0.0050	"	0.00702	0.0050	105	75-115	2	35	
Toluene	0.0391	0.0050	"	0.0372	0.00014	105	85-125	6	15	
Xylenes (total)	0.0425	0.0050	"	0.0412	0.00041	102	80-140	5	20	
Gasoline Range Organics (C4-C12)	0.552	0.10	"	0.440	0.27	64	53-126	6	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00429*		"	*0.00500*		*86*	*60-125*			
Batch 5J07032 - EPA 5030B/5035A MeOH / EPA 8260B										
Blank (5J07032-BLK1)				Prepared & Analyzed: 10/07/05						
tert-Amyl methyl ether	ND	0.025	mg/kg							
Benzene	ND	0.050	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.025	"							
1,2-Dibromoethane (EDB)	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
Ethanol	ND	10	"							
Ethyl tert-butyl ether	ND	0.025	"							
Ethylbenzene	ND	0.050	"							
Methyl tert-butyl ether	ND	0.025	"							
Toluene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Gasoline Range Organics (C4-C12)	ND	2.5	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00502*		"	*0.00500*		*100*	*60-125*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J07032 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample (5J07032-BS1)				Prepared: 10/07/05 Analyzed: 10/08/05						
tert-Amyl methyl ether	0.592	0.025	mg/kg	0.564		105	80-130			
Benzene	0.181	0.050	"	0.194		93	65-125			
tert-Butyl alcohol	6.09	5.0	"	5.37		113	80-165			
Di-isopropyl ether	0.606	0.025	"	0.567		107	85-115			
1,2-Dibromoethane (EDB)	0.522	0.025	"	0.558		94	85-130			
1,2-Dichloroethane	0.582	0.025	"	0.552		105	63-124			
Ethanol	5.95	10	"	5.31		112	35-150			
Ethyl tert-butyl ether	0.593	0.025	"	0.564		105	80-125			
Ethylbenzene	0.265	0.050	"	0.283		94	80-135			
Methyl tert-butyl ether	0.276	0.025	"	0.263		105	75-115			
Toluene	1.35	0.050	"	1.39		97	85-125			
Xylenes (total)	1.43	0.050	"	1.55		92	80-140			
Gasoline Range Organics (C4-C12)	14.5	2.5	"	16.5		88	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00510*		"	*0.00500*		*102*	*60-125*			
Matrix Spike (5J07032-MS1)	**Source: MOI0835-09**			Prepared: 10/07/05 Analyzed: 10/08/05						
tert-Amyl methyl ether	0.614	0.025	mg/kg	0.564	ND	109	80-130			
Benzene	0.184	0.050	"	0.194	ND	95	65-125			
tert-Butyl alcohol	6.36	5.0	"	5.37	ND	118	80-135			
Di-isopropyl ether	0.617	0.025	"	0.567	ND	109	85-115			
1,2-Dibromoethane (EDB)	0.560	0.025	"	0.558	ND	100	85-130			
1,2-Dichloroethane	0.576	0.025	"	0.552	ND	104	63-124			
Ethanol	5.85	10	"	5.31	ND	110	35-150			
Ethyl tert-butyl ether	0.603	0.025	"	0.564	ND	107	80-125			
Ethylbenzene	0.266	0.050	"	0.283	ND	94	80-135			
Methyl tert-butyl ether	0.550	0.025	"	0.263	0.84	0	75-115			BB,LN
Toluene	1.39	0.050	"	1.39	0.0062	100	85-125			
Xylenes (total)	1.45	0.050	"	1.55	0.034	91	80-140			
Gasoline Range Organics (C4-C12)	14.7	2.5	"	16.5	1.7	79	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00509*		"	*0.00500*		*102*	*60-125*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J07032 - EPA 5030B/5035A MeOH / EPA 8260B										
Matrix Spike Dup (5J07032-MSD1)	**Source: MOI0835-09**			Prepared: 10/07/05 Analyzed: 10/08/05						
tert-Amyl methyl ether	0.617	0.025	mg/kg	0.564	ND	109	80-130	0.5	25	
Benzene	0.189	0.050	"	0.194	ND	97	65-125	3	20	
tert-Butyl alcohol	6.31	5.0	"	5.37	ND	118	80-135	0.8	20	
Di-isopropyl ether	0.622	0.025	"	0.567	ND	110	85-115	0.8	20	
1,2-Dibromoethane (EDB)	0.557	0.025	"	0.558	ND	100	85-130	0.5	15	
1,2-Dichloroethane	0.574	0.025	"	0.552	ND	104	63-124	0.3	25	
Ethanol	5.82	10	"	5.31	ND	110	35-150	0.5	40	
Ethyl tert-butyl ether	0.606	0.025	"	0.564	ND	107	80-125	0.5	25	
Ethylbenzene	0.283	0.050	"	0.283	ND	100	80-135	6	20	
Methyl tert-butyl ether	0.548	0.025	"	0.263	0.84	0	75-115	0.4	35	BB,LN
Toluene	1.40	0.050	"	1.39	0.0062	100	85-125	0.7	15	
Xylenes (total)	1.52	0.050	"	1.55	0.034	96	80-140	5	20	
Gasoline Range Organics (C4-C12)	15.0	2.5	"	16.5	1.7	81	60-140	2	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00510*		"	*0.00500*		*102*	*60-125*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0835
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 10:54

Notes and Definitions

LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
BZ,BU	Sample preserved improperly. Sample analyzed after holding time expired.
BB,LN	Sample > 4x spike concentration.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

D Please fax copy to Lynelle Onishi 510 874 3268

bp

Chain of Custody Record

Project Name:	Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment:	BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency:	Alameda County Environmental Health
Requested Due Date (mm/dd/yy):	Standard TAT

On-site Time:	7am	Temp:	65°
Off-site Time:	14:45	Temp:	78°
Sky Conditions:	Cloudy		
Meteorological Events:			
Wind Speed:	2mph	Direction:	W

Lab Name:	Sequoia Analytical
Address:	885 Jarvis Drive
	Morgan Hill, CA 95037
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156/408-782-6308
BP/AR PM Contact:	Kyle Christie
Address:	4 Centerpointe Dr.
	La Palma, CA
Tele/Fax:	714-670-5303/714-6705195
Lab Bottle Order No:	

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA
Site Lat/Long:	
California Global ID No.:	
Enfos Project No.:	G07TK-0022
Provision or RCOP (circle one)	Provision
Phase/WBS:	01 - Assessment
Sub Phase/Task:	03 - Analytical
Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487353.0A034
Consultant/Contractor PM:	Lynelle Onishi
Tele/Fax:	510-874-1758/510-874-3268
Report Type & QC Level:	Level 1 & EDF
E-mail EDD To:	lynelle_onishi@urscorp.com
Invoice to:	BP West Coast Global Alliance

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-1 6-6.5'	7:45	9/27/05	X			MO10835	1	X					X	X	X	X	X	X
2	A-1 11-11.5'	7:50					02												
3	A-1 16-16.5'	7:52					03												
4	A-1 21-21.5'	7:58					04												
5	A-1 25.5-26'	9:05					05												
6	A-1 [illegible]5-31	8:15					06												
7	A-1 35.5-36	8:20					07												
8	A-1 39-39.5	8:25					08												
9	A-1 46-46.5	8:45					09												
10	A-1 22.6	8:00			X		10	3				X							

Sampler's Name:	Andrew Fowler
Sampler's Company:	URS
Shipment Date:	9/27/05
Shipment Method:	Courier
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	9/27/05	1440	Jamson Lowes	9/27	1440
Jamson Lowes	9/27	1775	[signature]	9/27	17:35

Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb)
If running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt ____ °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

* Please fax copy to Lynelle Onishi 510 874 3268

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Sequoia Analytical	BP/AR Facility No.:	11117	Consultant/Contractor:	URS
Address:	885 Jarvis Drive	BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA	Address:	1333 Broadway, Suite 800
	Morgan Hill, CA 95037	Site Lat/Long:			Oakland, CA 94612
Lab PM:	Lisa Race	California Global ID No.:		Consultant/Contractor Project No.:	38487333.0A034
Tele/Fax:	408-782-8156/408-782-6308	Enfos Project No.:	G07TK-0022	Consultant/Contractor PM:	Lynelle Onishi
BP/AR PM Contact:	Kyle Christie	Provision or RCOP (circle one)	Provision	Tele/Fax:	510-874-1758/510-874-3268
Address:	4 Centerpointe Dr.	Phase/WBS:	01- Assessment	Report Type & QC Level:	Level 1 & EDF
	La Palma, CA	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	lynelle_onishi@urscorp.com
Tele/Fax:	714-670-5303/714-6705195	Cost Element:	05 - Subcontracted Costs	Invoice to:	BP West Coast Global Alliance

Lab Bottle Order No:

MOL 6835

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-2 5-5.5	1035	9/27	X			11	1	X					X	X	X	X	X	X
2	A-2 10-10.5	1040					12												
3	A-2 15-15.5	1045					13												
4	A-2 19.5-20	1046					14												
5	A-2 21.6	11:22			X		15	3				X							
6	A-2 25-25.5	1100		X			16	1	X										
7	A-2 30-30.5	1115					17	1	X										
8	A-2 33.5-34	1120					18	1	X										
9	A-2 40-42'	1255			X		19	3				X							
10	A-5 5-5.5	13:05		X			20	1	X										

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Andrew Fowler						
Sampler's Company:	URS						
Shipment Date:	9/27/08		9/27/08	1440	Jayson Lewis	9/27	1440
Shipment Method:	Courier	Jayson Lewis	9/27	1725		9/29	17:2
Shipment Tracking No:							

Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb).
If running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt ____ °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

☆ Please fax copy to Lynelle Onishi
510 874 3268

bp

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Sequoia Analytical
Address:	885 Jarvis Drive
	Morgan Hill, CA 95037
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156/408-782-6308
BP/AR PM Contact:	Kyle Christie
Address: 4 Centerpointe Dr.	
La Palma, CA	
Tele/Fax: 714-670-5303/714-6705195	

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA
Site Lat/Long:	
California Global ID No.:	
Enfos Project No.:	G07TK-0022
Provision or RCOP (circle one)	Provision
Phase/WBS:	01 - Assessment
Sub Phase/Task:	03 - Analytical
Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487353.0A034
Consultant/Contractor PM:	Lynelle Onishi
Tele/Fax:	510-874-1758/510-874-3268
Report Type & QC Level:	Level 1 & EDF
E-mail EDD To:	lynelle_onishi@urscorp.com
Invoice to:	BP West Coast Global Alliance

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-3 14.5-15'	13:15	9/27/05	X			21	1	X					X	X	X	X	X	MoT 0835
2	A-3 19.5-20'	13:20					22												
3	A-3 23.5-24'	1325					23												
4	A-3 26-26.5'	1350					24												
5	A-3 19.4'	1335			X		25	3				X							
6	A-3 34-36'	1445			X		26	3				X							
7																			
8																			
9																			
10																			

Sampler's Name:	Andrew Fowler
Sampler's Company:	URS
Shipment Date:	9/27/05
Shipment Method:	Courier
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	9/27/05	1440		9/27	1440
Jayson Lowes	9/27	1725		9/29	17:28

Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb).
If running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: BP
REC. BY (PRINT): Phuc
WORKORDER: MOI6835

DATE REC'D AT LAB: 9/27/05
TIME REC'D AT LAB: 17:23
DATE LOGGED IN: 9-29-05

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*			A-1 6-6.5	Core	—	—	L	9/24/05	
2. Chain-of-Custody	Present / Absent*			11-11.5	↓	↓	↓	↓	↓	
3. Traffic Reports or Packing List:	Present / Absent			16-16.5						
4. Airbill:	Airbill / Sticker Present / Absent			21-21.5						
5. Airbill #:				25.5-26						
6. Sample Labels:	Present / Absent			30.5-31						
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody			35.5-36						
8. Sample Condition:	Intact / Broken* / Leaking*			39-39.5						
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*			46-46.5						
10. Sample received within hold time?	Yes / No*			22.6	VOA-3	HCl				
11. Adequate sample volume received?	Yes / No*			A-2 5-5.5	Core					
12. Proper preservatives used?	Yes / No*			10-10.5						
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*			15-15.5						
14. Read Temp:	2.0°C			19.5-20						
Corrected Temp:				21.6	VOA 3	HCl				
Is corrected temp 4 +/-2°C?	Yes / No**			25-25.5	Core					
(Acceptance range for samples requiring thermal pres.)				30-30.5						
**Exception (if any): METALS / OFF ON ICE				33.5-34						
or Problem COC				40-42'	VOA 3	HCl				
				5-5.5	Core					
				A-3 14.5-15'						
				19.5-20						
				23.5-24						
				26-26.5						
				19.4	VOA 3	HCl				
				34-36	VOA 3	HCl				
				p.u. 9/27/05						

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia Analytical

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Morgan Hill, CA 95037
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14 October, 2005

Lynelle Onishi
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11117,Oakland, CA
Work Order: MOI0807

Enclosed are the results of analyses for samples received by the laboratory on 09/26/05 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

Sequoia Analytical

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www.sequoialabs.com

URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-5 5-5.5	MOI0807-01	Soil	09/26/05 10:25	09/26/05 17:45
A-5 10-10.5	MOI0807-02	Soil	09/26/05 10:35	09/26/05 17:45
A-5 15-15.5	MOI0807-03	Soil	09/26/05 10:45	09/26/05 17:45
A-5 19.5-20	MOI0807-04	Soil	09/26/05 10:47	09/26/05 17:45
A-5 22-22.5	MOI0807-05	Soil	09/26/05 11:00	09/26/05 17:45
A-5 25-25.5	MOI0807-06	Soil	09/26/05 11:05	09/26/05 17:45
A-5 30-30.5	MOI0807-07	Soil	09/26/05 11:10	09/26/05 17:45
A-5 35-35.5	MOI0807-08	Soil	09/26/05 11:20	09/26/05 17:45
A-5 19.5'	MOI0807-09	Water	09/26/05 10:42	09/26/05 17:45
A-4 21.6'	MOI0807-10	Water	09/26/05 13:32	09/26/05 17:45
A-4 5-5.5'	MOI0807-11	Soil	09/26/05 12:55	09/26/05 17:45
A-4 15-15.5'	MOI0807-12	Soil	09/26/05 13:15	09/26/05 17:45
A-4 19.5-20'	MOI0807-13	Soil	09/26/05 13:25	09/26/05 17:45
A-4 23.5-24'	MOI0807-14	Soil	09/26/05 13:35	09/26/05 17:45
A-4 31.5-32'	MOI0807-15	Soil	09/26/05 13:55	09/26/05 17:45
A-4 34-36'	MOI0807-16	Water	09/26/05 14:50	09/26/05 17:45
Trip Blank	MOI0807-17	Water	09/26/05 00:00	09/26/05 17:45

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-4 23.5-24' (MOI0807-14) Soil Sampled: 09/26/05 13:35 Received: 09/26/05 17:45									
Lead	11	5.0	mg/kg	1	5J13039	10/13/05	10/13/05	EPA 6010B	

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-5 5-5.5 (MOI0807-01) Soil Sampled: 09/26/05 10:25 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*60-125*		"	"	"	"	
A-5 10-10.5 (MOI0807-02) Soil Sampled: 09/26/05 10:35 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-125*		"	"	"	"	

Sequoia Analytical

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Morgan Hill, CA 95037
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www.sequoialabs.com

URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-5 15-15.5 (MOI0807-03) Soil Sampled: 09/26/05 10:45 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.0085**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**0.34**	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94 %*	*60-125*		"	"	"	"	
A-5 19.5-20 (MOI0807-04) Soil Sampled: 09/26/05 10:47 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.0053**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-5 22-22.5 (MOI0807-05) Soil Sampled: 09/26/05 11:00 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.0058**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*60-125*		"	"	"	"	
A-5 25-25.5 (MOI0807-06) Soil Sampled: 09/26/05 11:05 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J06008	10/06/05	10/06/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	**0.022**	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.035**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**0.23**	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-5 30-30.5 (MOI0807-07) Soil Sampled: 09/26/05 11:10 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	**0.0068**	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.032**	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.015**	0.0050	"	"	"	"	"	"	
Toluene	**0.014**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.18**	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1.3**	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	
A-5 35-35.5 (MOI0807-08) Soil Sampled: 09/26/05 11:20 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.025	mg/kg	1	5J06050	10/06/05	10/07/05	EPA 8260B	
Benzene	**0.11**	0.050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	
Ethanol	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	**0.57**	0.050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.030**	0.025	"	"	"	"	"	"	
Toluene	**0.81**	0.050	"	"	"	"	"	"	
Xylenes (total)	**3.1**	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**28**	2.5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-5 19.5' (MOI0807-09) Water	**Sampled: 09/26/05 10:42**	**Received: 09/26/05 17:45**							**BZ,BU**
tert-Amyl methyl ether	ND	2.5	ug/l	5	5J04002	10/04/05	10/04/05	EPA 8260B	
Benzene	**10**	2.5	"	"	"	"	"	"	
tert-Butyl alcohol	**350**	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
Ethanol	ND	500	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	**2.8**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether	**510**	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	**3.8**	2.5	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**790**	250	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-135*		"	"	"	"	
A-4 21.6' (MOI0807-10) Water	**Sampled: 09/26/05 13:32**	**Received: 09/26/05 17:45**							**BZ,BU**
tert-Amyl methyl ether	ND	50	ug/l	100	5J04002	10/04/05	10/04/05	EPA 8260B	
Benzene	**2500**	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	10000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
Ethylbenzene	**5500**	50	"	"	"	"	"	"	
Methyl tert-butyl ether	**820**	50	"	"	"	"	"	"	
Toluene	**7300**	50	"	"	"	"	"	"	
Xylenes (total)	**18000**	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**150000**	5000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-4 5-5.5' (MOI0807-11) Soil Sampled: 09/26/05 12:55 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*60-125*		"	"	"	"	
A-4 15-15.5' (MOI0807-12) Soil Sampled: 09/26/05 13:15 Received: 09/26/05 17:45									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-4 19.5-20' (MOI0807-13) Soil	**Sampled: 09/26/05 13:25**	**Received: 09/26/05 17:45**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	1.01	5J05006	10/05/05	10/05/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**0.44**	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96 %*	*60-125*		"	"	"	"	
A-4 23.5-24' (MOI0807-14) Soil	**Sampled: 09/26/05 13:35**	**Received: 09/26/05 17:45**							
tert-Amyl methyl ether	ND	0.50	mg/kg	20	5J06050	10/06/05	10/10/05	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	100	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**18**	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	**18**	1.0	"	"	"	"	"	"	
Xylenes (total)	**87**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-4 23.5-24' (MOI0807-14RE1) Soil	**Sampled: 09/26/05 13:35**	**Received: 09/26/05 17:45**							**CL**
Gasoline Range Organics (C4-C12)	**490**	50	mg/kg	20	5J06050	10/06/05	10/11/05	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-125*		"	"	"	"	
A-4 31.5-32' (MOI0807-15) Soil	**Sampled: 09/26/05 13:55**	**Received: 09/26/05 17:45**							
tert-Amyl methyl ether	ND	0.025	mg/kg	1	5J06050	10/06/05	10/10/05	EPA 8260B	
Benzene	**0.15**	0.050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	
Ethanol	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	**0.24**	0.050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.48**	0.025	"	"	"	"	"	"	
Toluene	**0.088**	0.050	"	"	"	"	"	"	
Xylenes (total)	**1.1**	0.050	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-125*		"	"	"	"	
A-4 31.5-32' (MOI0807-15RE1) Soil	**Sampled: 09/26/05 13:55**	**Received: 09/26/05 17:45**							**LA**
Gasoline Range Organics (C4-C12)	**5.1**	2.5	mg/kg	1	5J06050	10/06/05	10/11/05	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*60-125*		"	"	"	"	
A-4 34-36' (MOI0807-16) Water	**Sampled: 09/26/05 14:50**	**Received: 09/26/05 17:45**							
tert-Amyl methyl ether	ND	250	ug/l	500	5J04002	10/04/05	10/04/05	EPA 8260B	
Benzene	**11000**	250	"	"	"	"	"	"	
tert-Butyl alcohol	ND	10000	"	"	"	"	"	"	
Di-isopropyl ether	ND	250	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	250	"	"	"	"	"	"	
1,2-Dichloroethane	ND	250	"	"	"	"	"	"	
Ethanol	ND	50000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	250	"	"	"	"	"	"	
Ethylbenzene	**4000**	250	"	"	"	"	"	"	
Methyl tert-butyl ether	**39000**	250	"	"	"	"	"	"	
Toluene	**2400**	250	"	"	"	"	"	"	
Xylenes (total)	**19000**	250	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**120000**	25000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J13039 - EPA 3050B / EPA 6010B										
Blank (5J13039-BLK1)				Prepared & Analyzed: 10/13/05						
Lead	ND	5.0	mg/kg							
Laboratory Control Sample (5J13039-BS1)				Prepared & Analyzed: 10/13/05						
Lead	44.0	5.0	mg/kg	50.0		88	75-120			
Matrix Spike (5J13039-MS1)	**Source: MOJ0644-01**			Prepared & Analyzed: 10/13/05						
Lead	49.9	5.0	mg/kg	50.0	6.4	87	75-120			
Matrix Spike Dup (5J13039-MSD1)	**Source: MOJ0644-01**			Prepared & Analyzed: 10/13/05						
Lead	50.2	5.0	mg/kg	50.0	6.4	88	75-120	0.6	20	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J04002 - EPA 5030B Modified / EPA 8260B										
Blank (5J04002-BLK1)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.44*		"	*5.00*		*89*	*60-135*			
Blank (5J04002-BLK2)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.46*		"	*5.00*		*89*	*60-135*			

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J04002 - EPA 5030B Modified / EPA 8260B										
Laboratory Control Sample (5J04002-BS1)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	14.1	0.50	ug/l	15.0		94	80-115			
Benzene	4.85	0.50	"	5.16		94	65-115			
tert-Butyl alcohol	155	20	"	143		108	75-150			
Di-isopropyl ether	14.3	0.50	"	15.1		95	75-125			
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.9		110	85-120			
1,2-Dichloroethane	15.6	0.50	"	14.7		106	85-130			
Ethanol	173	100	"	142		122	70-135			
Ethyl tert-butyl ether	13.2	0.50	"	15.0		88	75-130			
Ethylbenzene	6.52	0.50	"	7.54		86	75-135			
Methyl tert-butyl ether	6.94	0.50	"	7.02		99	65-125			
Toluene	35.3	0.50	"	37.2		95	85-120			
Xylenes (total)	39.9	0.50	"	41.2		97	85-125			
Gasoline Range Organics (C4-C12)	471	50	"	440		107	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.75*		"	*5.00*		*95*	*60-135*			
Laboratory Control Sample (5J04002-BS2)				Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	13.5	0.50	ug/l	15.0		90	80-115			
Benzene	4.72	0.50	"	5.16		91	65-115			
tert-Butyl alcohol	155	20	"	143		108	75-150			
Di-isopropyl ether	15.4	0.50	"	15.1		102	75-125			
1,2-Dibromoethane (EDB)	16.4	0.50	"	14.9		110	85-120			
1,2-Dichloroethane	14.0	0.50	"	14.7		95	85-130			
Ethanol	178	100	"	142		125	70-135			
Ethyl tert-butyl ether	13.5	0.50	"	15.0		90	75-130			
Ethylbenzene	6.61	0.50	"	7.54		88	75-135			
Methyl tert-butyl ether	6.81	0.50	"	7.02		97	65-125			
Toluene	36.0	0.50	"	37.2		97	85-120			
Xylenes (total)	38.1	0.50	"	41.2		92	85-125			
Gasoline Range Organics (C4-C12)	485	50	"	440		110	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.30*		"	*5.00*		*86*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J04002 - EPA 5030B Modified / EPA 8260B										
Matrix Spike (5J04002-MS1)	**Source: MOI0747-02**			Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	804	25	ug/l	752	48	101	80-115			
Benzene	461	25	"	258	210	97	65-115			
tert-Butyl alcohol	16000	1000	"	7160	9000	98	75-120			
Di-isopropyl ether	743	25	"	756	ND	98	75-125			
1,2-Dibromoethane (EDB)	814	25	"	744	ND	109	85-120			
1,2-Dichloroethane	755	25	"	736	ND	103	85-130			
Ethanol	8200	5000	"	7080	ND	116	70-135			
Ethyl tert-butyl ether	707	25	"	752	ND	94	75-130			
Ethylbenzene	3140	25	"	377	2900	64	75-135			BB,LN
Methyl tert-butyl ether	1280	25	"	351	1000	80	65-125			
Toluene	2080	25	"	1860	280	97	85-120			
Xylenes (total)	9650	25	"	2060	8200	70	85-125			LN
Gasoline Range Organics (C4-C12)	60500	2500	"	22000	42000	84	70-124			
Surrogate: 1,2-Dichloroethane-d4	*4.71*		"	*5.00*		*94*	*60-135*			
Matrix Spike Dup (5J04002-MSD1)	**Source: MOI0747-02**			Prepared & Analyzed: 10/04/05						
tert-Amyl methyl ether	770	25	ug/l	752	48	96	80-115	4	15	
Benzene	461	25	"	258	210	97	65-115	0	20	
tert-Butyl alcohol	15900	1000	"	7160	9000	96	75-120	0.6	25	
Di-isopropyl ether	764	25	"	756	ND	101	75-125	3	15	
1,2-Dibromoethane (EDB)	844	25	"	744	ND	113	85-120	4	15	
1,2-Dichloroethane	708	25	"	736	ND	96	85-130	6	20	
Ethanol	7740	5000	"	7080	ND	109	70-135	6	35	
Ethyl tert-butyl ether	694	25	"	752	ND	92	75-130	2	25	
Ethylbenzene	3070	25	"	377	2900	45	75-135	2	15	BB,LN
Methyl tert-butyl ether	1250	25	"	351	1000	71	65-125	2	20	
Toluene	2080	25	"	1860	280	97	85-120	0	20	
Xylenes (total)	9050	25	"	2060	8200	41	85-125	6	20	LN
Gasoline Range Organics (C4-C12)	59200	2500	"	22000	42000	78	70-124	2	20	
Surrogate: 1,2-Dichloroethane-d4	*4.48*		"	*5.00*		*90*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J05006 - EPA 5030B P/T / EPA 8260B										
Blank (5J05006-BLK1)				Prepared & Analyzed: 10/05/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00504*		"	*0.00500*		*101*	*60-125*			
Laboratory Control Sample (5J05006-BS1)				Prepared & Analyzed: 10/05/05						
tert-Amyl methyl ether	0.0167	0.0050	mg/kg	0.0150		111	80-130			
Benzene	0.00467	0.0050	"	0.00516		91	65-125			
tert-Butyl alcohol	0.130	0.020	"	0.143		91	80-165			
Di-isopropyl ether	0.0158	0.0050	"	0.0151		105	85-115			
1,2-Dibromoethane (EDB)	0.0150	0.0050	"	0.0149		101	85-130			
1,2-Dichloroethane	0.0159	0.0050	"	0.0147		108	63-124			
Ethanol	0.146	0.10	"	0.142		103	35-150			
Ethyl tert-butyl ether	0.0158	0.0050	"	0.0150		105	80-125			
Ethylbenzene	0.00674	0.0050	"	0.00754		89	80-135			
Methyl tert-butyl ether	0.00765	0.0050	"	0.00702		109	75-115			
Toluene	0.0336	0.0050	"	0.0372		90	85-125			
Xylenes (total)	0.0388	0.0050	"	0.0412		94	80-140			
Gasoline Range Organics (C4-C12)	0.434	0.10	"	0.440		99	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00520*		"	*0.00500*		*104*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J05006 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5J05006-MS1)	**Source: MOI0807-01**			Prepared & Analyzed: 10/05/05						
tert-Amyl methyl ether	0.0167	0.0050	mg/kg	0.0150	0.00017	110	80-130			
Benzene	0.00463	0.0050	"	0.00516	ND	90	65-125			
tert-Butyl alcohol	0.139	0.020	"	0.143	ND	97	80-135			
Di-isopropyl ether	0.0161	0.0050	"	0.0151	ND	107	85-115			
1,2-Dibromoethane (EDB)	0.0151	0.0050	"	0.0149	ND	101	85-130			
1,2-Dichloroethane	0.0149	0.0050	"	0.0147	ND	101	63-124			
Ethanol	0.100	0.10	"	0.142	ND	70	35-150			
Ethyl tert-butyl ether	0.0158	0.0050	"	0.0150	ND	105	80-125			
Ethylbenzene	0.00681	0.0050	"	0.00754	ND	90	80-135			
Methyl tert-butyl ether	0.00725	0.0050	"	0.00702	ND	103	75-115			
Toluene	0.0394	0.0050	"	0.0372	ND	106	85-125			
Xylenes (total)	0.0420	0.0050	"	0.0412	ND	102	80-140			
Gasoline Range Organics (C4-C12)	0.455	0.10	"	0.440	ND	103	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00471*		"	*0.00500*		*94*	*60-125*			
Matrix Spike Dup (5J05006-MSD1)	**Source: MOI0807-01**			Prepared & Analyzed: 10/05/05						
tert-Amyl methyl ether	0.0178	0.0050	mg/kg	0.0150	0.00017	118	80-130	6	25	
Benzene	0.00507	0.0050	"	0.00516	ND	98	65-125	9	20	
tert-Butyl alcohol	0.159	0.020	"	0.143	ND	111	80-135	13	20	
Di-isopropyl ether	0.0172	0.0050	"	0.0151	ND	114	85-115	7	20	
1,2-Dibromoethane (EDB)	0.0159	0.0050	"	0.0149	ND	107	85-130	5	15	
1,2-Dichloroethane	0.0158	0.0050	"	0.0147	ND	107	63-124	6	25	
Ethanol	0.124	0.10	"	0.142	ND	87	35-150	21	40	
Ethyl tert-butyl ether	0.0171	0.0050	"	0.0150	ND	114	80-125	8	25	
Ethylbenzene	0.00757	0.0050	"	0.00754	ND	100	80-135	11	20	
Methyl tert-butyl ether	0.00776	0.0050	"	0.00702	ND	111	75-115	7	35	
Toluene	0.0423	0.0050	"	0.0372	ND	114	85-125	7	15	
Xylenes (total)	0.0456	0.0050	"	0.0412	ND	111	80-140	8	20	
Gasoline Range Organics (C4-C12)	0.483	0.10	"	0.440	ND	110	53-126	6	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00470*		"	*0.00500*		*94*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06008 - EPA 5030B P/T / EPA 8260B										
Blank (5J06008-BLK1)				Prepared & Analyzed: 10/06/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00507*		"	*0.00500*		*101*	*60-125*			
Laboratory Control Sample (5J06008-BS1)				Prepared & Analyzed: 10/06/05						
tert-Amyl methyl ether	0.0172	0.0050	mg/kg	0.0150		115	80-130			
Benzene	0.00470	0.0050	"	0.00516		91	65-125			
tert-Butyl alcohol	0.142	0.020	"	0.143		99	80-165			
Di-isopropyl ether	0.0160	0.0050	"	0.0151		106	85-115			
1,2-Dibromoethane (EDB)	0.0155	0.0050	"	0.0149		104	85-130			
1,2-Dichloroethane	0.0143	0.0050	"	0.0147		97	63-124			
Ethanol	0.116	0.10	"	0.142		82	35-150			
Ethyl tert-butyl ether	0.0166	0.0050	"	0.0150		111	80-125			
Ethylbenzene	0.00691	0.0050	"	0.00754		92	80-135			
Methyl tert-butyl ether	0.00728	0.0050	"	0.00702		104	75-115			
Toluene	0.0361	0.0050	"	0.0372		97	85-125			
Xylenes (total)	0.0398	0.0050	"	0.0412		97	80-140			
Gasoline Range Organics (C4-C12)	0.424	0.10	"	0.440		96	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00433*		"	*0.00500*		*87*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06008 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5J06008-BSD1)				Prepared & Analyzed: 10/06/05						
tert-Amyl methyl ether	0.0176	0.0050	mg/kg	0.0150		117	80-130	2	25	
Benzene	0.00494	0.0050	"	0.00516		96	65-125	5	20	
tert-Butyl alcohol	0.145	0.020	"	0.143		101	80-165	2	25	
Di-isopropyl ether	0.0169	0.0050	"	0.0151		112	85-115	5	20	
1,2-Dibromoethane (EDB)	0.0157	0.0050	"	0.0149		105	85-130	1	15	
1,2-Dichloroethane	0.0147	0.0050	"	0.0147		100	63-124	3	25	
Ethanol	0.118	0.10	"	0.142		83	35-150	2	40	
Ethyl tert-butyl ether	0.0169	0.0050	"	0.0150		113	80-125	2	25	
Ethylbenzene	0.00760	0.0050	"	0.00754		101	80-135	10	20	
Methyl tert-butyl ether	0.00724	0.0050	"	0.00702		103	75-115	0.6	35	
Toluene	0.0394	0.0050	"	0.0372		106	85-125	9	15	
Xylenes (total)	0.0435	0.0050	"	0.0412		106	80-140	9	20	
Gasoline Range Organics (C4-C12)	0.467	0.10	"	0.440		106	53-126	10	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00431*		"	*0.00500*		*86*	*60-125*			
Batch 5J06050 - EPA 5030B/5035A MeOH / EPA 8260B										
Blank (5J06050-BLK1)				Prepared: 10/06/05 Analyzed: 10/07/05						
tert-Amyl methyl ether	ND	0.025	mg/kg							
Benzene	ND	0.050	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.025	"							
1,2-Dibromoethane (EDB)	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
Ethanol	ND	10	"							
Ethyl tert-butyl ether	ND	0.025	"							
Ethylbenzene	ND	0.050	"							
Methyl tert-butyl ether	ND	0.025	"							
Toluene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Gasoline Range Organics (C4-C12)	ND	2.5	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00531*		"	*0.00500*		*106*	*60-125*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06050 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample (5J06050-BS1)				Prepared: 10/06/05 Analyzed: 10/07/05						
tert-Amyl methyl ether	0.541	0.025	mg/kg	0.500		108	80-130			
Benzene	0.520	0.050	"	0.500		104	65-125			
tert-Butyl alcohol	2.19	5.0	"	2.50		88	80-165			
Di-isopropyl ether	0.550	0.025	"	0.500		110	85-115			
1,2-Dibromoethane (EDB)	0.543	0.025	"	0.500		109	85-130			
1,2-Dichloroethane	0.568	0.025	"	0.500		114	63-124			
Ethanol	8.43	10	"	10.0		84	35-150			
Ethyl tert-butyl ether	0.526	0.025	"	0.500		105	80-125			
Ethylbenzene	0.481	0.050	"	0.500		96	80-135			
Methyl tert-butyl ether	0.501	0.025	"	0.500		100	75-115			
Toluene	0.559	0.050	"	0.500		112	85-125			
Xylenes (total)	1.37	0.050	"	1.50		91	80-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00528*		"	*0.00500*		*106*	*60-125*			
Laboratory Control Sample (5J06050-BS2)				Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	0.222	0.050	mg/kg	0.228		97	65-125			
Ethylbenzene	0.286	0.050	"	0.294		97	80-135			
Methyl tert-butyl ether	0.370	0.025	"	0.360		103	75-115			
Toluene	1.43	0.050	"	1.23		116	85-125			
Xylenes (total)	1.33	0.050	"	1.44		92	80-140			
Gasoline Range Organics (C4-C12)	15.5	2.5	"	16.5		94	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00530*		"	*0.00500*		*106*	*60-125*			
Laboratory Control Sample Dup (5J06050-BSD1)				Prepared: 10/06/05 Analyzed: 10/07/05						
tert-Amyl methyl ether	0.556	0.025	mg/kg	0.500		111	80-130	3	25	
Benzene	0.523	0.050	"	0.500		105	65-125	0.6	20	
tert-Butyl alcohol	2.22	5.0	"	2.50		89	80-165	1	25	
Di-isopropyl ether	0.549	0.025	"	0.500		110	85-115	0.2	20	
1,2-Dibromoethane (EDB)	0.574	0.025	"	0.500		115	85-130	6	15	
1,2-Dichloroethane	0.570	0.025	"	0.500		114	63-124	0.4	25	
Ethanol	8.00	10	"	10.0		80	35-150	5	40	
Ethyl tert-butyl ether	0.532	0.025	"	0.500		106	80-125	1	25	
Ethylbenzene	0.501	0.050	"	0.500		100	80-135	4	20	
Methyl tert-butyl ether	0.524	0.025	"	0.500		105	75-115	4	35	
Toluene	0.575	0.050	"	0.500		115	85-125	3	15	
Xylenes (total)	1.45	0.050	"	1.50		97	80-140	6	20	

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5J06050 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample Dup (5J06050-BSD1)				Prepared: 10/06/05 Analyzed: 10/07/05						
Surrogate: 1,2-Dichloroethane-d4	*0.00516*		*mg/kg*	*0.00500*		*103*	*60-125*			
Laboratory Control Sample Dup (5J06050-BSD2)				Prepared: 10/06/05 Analyzed: 10/07/05						
Benzene	0.197	0.050	mg/kg	0.228		86	65-125	12	20	
Ethylbenzene	0.268	0.050	"	0.294		91	80-135	6	20	
Methyl tert-butyl ether	0.338	0.025	"	0.360		94	75-115	9	35	
Toluene	1.32	0.050	"	1.23		107	85-125	8	15	
Xylenes (total)	1.26	0.050	"	1.44		87	80-140	5	20	
Gasoline Range Organics (C4-C12)	13.9	2.5	"	16.5		84	60-140	11	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00537*		*"*	*0.00500*		*107*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOI0807
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	10/14/05 09:41

Notes and Definitions

LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LA	Confirmatory analysis was past holding time.
CL	Initial analysis within holding time but required dilution
BZ,BU	Sample preserved improperly. Sample analyzed after holding time expired.
BB,LN	Sample > 4x spike concentration.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

* Please fax copy to Lynelle Onishi
510 874 3268

bp

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	8am	Temp:	65°
Off-site Time:		Temp:	
Sky Conditions:	Clear		
Meteorological Events:			
Wind Speed:	5mph	Direction:	S

Lab Name:	Sequoia Analytical	BP/AR Facility No.:	11117	Consultant/Contractor:	URS
Address:	885 Jarvis Drive	BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA	Address:	1333 Broadway, Suite 800
	Morgan Hill, CA 95037	Site Lat/Long:			Oakland, CA 94612
Lab PM:	Lisa Race	California Global ID No.:		Consultant/Contractor Project No.:	38487353.0A034
Tele/Fax:	408-782-8156/408-782-6308	Enfos Project No.:	G07TK-0022	Consultant/Contractor PM:	Lynelle Onishi
BP/AR PM Contact:	Kyle Christie	Provision or RCOP (circle one)	Provision	Tele/Fax:	510-874-1758/510-874-3268
Address:	4 Centerpointe Dr.	Phase/WBS:	01 - Assessment	Report Type & QC Level:	Level 1 & EDF
	La Palma, CA	Sub Phase/Task:	03 - Analytical	E-mail EDD To:	lynelle_onishi@urscorp.com
Tele/Fax:	714-670-5303/714-6705195	Cost Element:	05 - Subcontracted Costs	Invoice to:	BP West Coast Global Alliance

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-5 5-5-5	1025	9/26/05	X			01	1	X					X	X	X	X	X	
2	A-5 10-10-5	1035					02	1											
3	A-5 15-15-5	1045					03	1											
4	A-5 19-5-20	1047					04	1											
5	A-5 22-22-5	1100					05	1											
6	A-5 25-25-5	1105					06	1											
7	A-5 30-30.5	1110					07	1											
8	A-5 35-35-5	1120					08	1											
9	A-5 19.5'	1042			X		09	3				X							
10	A-4 21.6'	1332			X		10	3				X							

MW0807

Sample Point Lat/Long and Comments

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Andrew Fowler		9/26/05	1523			
Sampler's Company:	URS	John 5208	9/26/05	1745	Jasmyn Lam	9/26/05	1715
Shipment Date:	9/26/05						
Shipment Method:	Courier						
Shipment Tracking No:							

Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb).
If running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Ice/Temp Blank Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

* Please fax copy to Lynelle Onishi
510 874-3268

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Sequoia Analytical
Address:	885 Jarvis Drive
	Morgan Hill, CA 95037
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156/408-782-6308
BP/AR PM Contact:	Kyle Christie
Address:	4 Centerpointe Dr.
	La Palma, CA
Tele/Fax:	714-670-5303/714-6705195

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA
Site Lat/Long:	
California Global ID No.:	
Enfos Project No.:	G07TK-0022
Provision or RCOP (circle one)	Provision
Phase/WBS:	01 - Assessment
Sub Phase/Task:	03 - Analytical
Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487353.0A034
Consultant/Contractor PM:	Lynelle Onishi
Tele/Fax:	510-874-1758/510-874-3268
Report Type & QC Level:	Level 1 & EDF
E-mail EDD To:	lynelle_onishi@urscorp.com
Invoice to:	BP West Coast Global Alliance

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-4 5-5.5'	1255	9/26	X			11	1	X					X	X	X	X	X	X
2	A-4 15-15.5'	1315	↓	↓			12	↓	↓					↓	↓	↓	↓	↓	
3	A-4 19.5-20'	1325					13												
4	A-4 23.5-24'	1335					14												
5	A-4 31.5-32'	1355		↓			15	↓	↓										
6	A-4 34-36'	1450	↓		X		14	3				X		↓	↓	↓	↓	↓	
7																			
8																			
9																			
10																			

MOI 6807

Sampler's Name:	Andrew Fowler
Sampler's Company:	URS
Shipment Date:	9/26/05
Shipment Method:	Courier
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	9/26	1522			
	9/26	1745	Jaanyboan	9/26/05	1745

Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb).
If during Total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals in Place Yes No Temp Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: bp
REC. BY (PRINT): JT
WORKORDER: 505 6807

DATE REC'D AT LAB: 9/26/05
TIME REC'D AT LAB: 17:45
DATE LOGGED IN: 9-27-05

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*	01	A	A-5 5-5.5	Plastic core -1	—	—	S	9/26/05	There are 4 VOAs for (A-4 21.6') instead of 3 as
2. Chain-of-Custody (Present) / Absent*	02		10-10.5						
3. Traffic Reports or Packing List: Present / (Absent)	03		15-15.5						
4. Airbill: Airbill / Sticker Present / (Absent)	04		19.5-20						
	05		22-22.5						
	06		25-25.5						
	07		30-35.5						
	08		35-35.5						
5. Airbill #:	09	A-C	19.5'	Voa-3	HCl		W		
6. Sample Labels: (Present) / Absent	10	A-D	A-4 21.6'	Voa-4					
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody	11	A	5-5.5'	Plastic core-1	—		S		
8. Sample Condition: (Intact) / Broken* / Leaking*	12		15-15.5'						
	13		19.5-20'						
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*	14		23.5-24'						
	15		31.5-32'						
	16	A-C	34-36'	Voa-3	HCl		W		
10. Sample received within hold time? (Yes) / No*	17	A	Trip Blank	Voa-1					
11. Adequate sample volume received? (Yes) / No*									
12. Proper preservatives used? (Yes) / No*					JT	9/26/05			
13. Trip Blank / Temp Blank Received? (circle which, if yes) (Yes) / No*									
14. Read Temp: 4.2°C									
Corrected Temp: 4.2°C									
Is corrected temp 4 +/-2°C? (Yes) / No**									

(**Acceptance range for samples requiring thermal pres.)

Exception (if any): METALS / DFF ON ICE for Problem COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Revision 7
Rev. 5 (07/13/04)
07/19/05

PROBLEM CHAIN-OF-CUSTODY

DATE/TIME 9/26/05 DATE RECEIVED 9/26/05

CLIENT bp TURN AROUND TIME Standard

CLIENT SERVICES REP Jamshid ANALYST JT

PROBLEM

There is no Trip Blank in COC MOI 0807

RESOLUTION

Client Instruction*

Telephone Number of Client:

Client Contact for Instruction:

Date and Time of Instruction:

Date & Time Form Given to Sample Control:

CLIENT SERVICES REP. SIGNATURE:

DATE/TIME:

*If client does not return call within 24 hours, please route this form to the Laboratory Director.

White Copy - Client Services Pink Copy - Sample Control

Sequoia Analytical

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22 November, 2005

Lynelle Onishi
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11117,Oakland, CA
Work Order: MOK0175

Enclosed are the results of analyses for samples received by the laboratory on 11/04/05 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kekobad

Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A-8 6-6.5'	MOK0175-01	Soil	11/03/05 09:00	11/04/05 17:15
A-8 11-11.5'	MOK0175-02	Soil	11/03/05 09:05	11/04/05 17:15
A-8 15.5-16'	MOK0175-03	Soil	11/03/05 09:10	11/04/05 17:15
A-8 21-21.5'	MOK0175-04	Soil	11/03/05 09:15	11/04/05 17:15
A-8 (24.6)	MOK0175-05	Water	11/03/05 09:36	11/04/05 17:15
A-8 25-25.5'	MOK0175-06	Soil	11/03/05 09:40	11/04/05 17:15
A-8 30-30.5'	MOK0175-07	Soil	11/03/05 09:45	11/04/05 17:15
A-8 36-36.5'	MOK0175-08	Soil	11/03/05 09:50	11/04/05 17:15
A-9 6-6.5'	MOK0175-09	Soil	11/03/05 11:15	11/04/05 17:15
A-9 11-11.5'	MOK0175-10	Soil	11/03/05 11:20	11/04/05 17:15
A-9 16-16.5'	MOK0175-11	Soil	11/03/05 11:30	11/04/05 17:15
A-9 21-21.5'	MOK0175-12	Soil	11/03/05 11:31	11/04/05 17:15
A-9 (24.2)	MOK0175-13	Water	11/03/05 11:35	11/04/05 17:15
A-9 25-25.5'	MOK0175-14	Soil	11/03/05 11:40	11/04/05 17:15
A-9 31-31.5'	MOK0175-15	Soil	11/03/05 11:45	11/04/05 17:15
A-9 36-36.5'	MOK0175-16	Soil	11/03/05 11:50	11/04/05 17:15
A-7 6-6.5'	MOK0175-17	Soil	11/03/05 12:55	11/04/05 17:15
A-7 11-11.5'	MOK0175-18	Soil	11/03/05 13:00	11/04/05 17:15
A-7 16-16.5'	MOK0175-19	Soil	11/03/05 13:05	11/04/05 17:15
A-7 21-21.5'	MOK0175-20	Soil	11/03/05 13:10	11/04/05 17:15
A-7 25.5-26'	MOK0175-21	Soil	11/03/05 13:20	11/04/05 17:15
A-7 36-36.5'	MOK0175-22	Soil	11/03/05 13:45	11/04/05 17:15
Trip Blank	MOK0175-23	Water	11/03/05 00:00	11/04/05 17:15

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-8 6-6.5' (MOK0175-01) Soil Sampled: 11/03/05 09:00 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*75 %*	*60-125*		"	"	"	"	
A-8 11-11.5' (MOK0175-02) Soil Sampled: 11/03/05 09:05 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*65 %*	*60-125*		"	"	"	"	

Sequoia Analytical

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Morgan Hill, CA 95037
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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-8 15.5-16' (MOK0175-03) Soil Sampled: 11/03/05 09:10 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*65 %*	*60-125*		"	"	"	"	
A-8 21-21.5' (MOK0175-04) Soil Sampled: 11/03/05 09:15 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*68 %*	*60-125*		"	"	"	"	

Sequoia Analytical

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Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-8 (24.6) (MOK0175-05) Water Sampled: 11/03/05 09:36 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K16038	11/16/05	11/16/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*60-135*		"	"	"	"	
A-8 25-25.5' (MOK0175-06) Soil Sampled: 11/03/05 09:40 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-8 30-30.5' (MOK0175-07) Soil Sampled: 11/03/05 09:45 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86 %*	*60-125*		"	"	"	"	
A-8 36-36.5' (MOK0175-08) Soil Sampled: 11/03/05 09:50 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-9 6-6.5' (MOK0175-09) Soil Sampled: 11/03/05 11:15 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77 %*	*60-125*		"	"	"	"	
A-9 11-11.5' (MOK0175-10) Soil Sampled: 11/03/05 11:20 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-9 16-16.5' (MOK0175-11) Soil Sampled: 11/03/05 11:30 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*60-125*		"	"	"	"	
A-9 21-21.5' (MOK0175-12) Soil Sampled: 11/03/05 11:31 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0049	mg/kg	0.98	5K09007	11/09/05	11/09/05	EPA 8260B	
Benzene	ND	0.0049	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
Ethanol	ND	0.098	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0049	"	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0049	"	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.098	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*80 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-9 (24.2) (MOK0175-13) Water Sampled: 11/03/05 11:35 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K16038	11/16/05	11/17/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**20**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**68**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-135*		"	"	"	"	
A-9 25-25.5' (MOK0175-14) Soil Sampled: 11/03/05 11:40 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K10001	11/10/05	11/10/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-9 31-31.5' (MOK0175-15) Soil Sampled: 11/03/05 11:45 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.025	mg/kg	1	5K10020	11/10/05	11/15/05	EPA 8260B	
Benzene	ND	0.050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.025	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.025	"	"	"	"	"	"	
Ethanol	ND	10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.025	"	"	"	"	"	"	
Ethylbenzene	ND	0.050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.16**	0.025	"	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	"	
Xylenes (total)	ND	0.050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2.5	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*60-125*		"	"	"	"	
A-9 36-36.5' (MOK0175-16) Soil Sampled: 11/03/05 11:50 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K11009	11/11/05	11/11/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*81 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-7 6-6.5' (MOK0175-17) Soil Sampled: 11/03/05 12:55 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1.01	5K10001	11/10/05	11/10/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*74 %*	*60-125*		"	"	"	"	
A-7 11-11.5' (MOK0175-18) Soil Sampled: 11/03/05 13:00 Received: 11/04/05 17:15									
tert-Amyl methyl ether	ND	0.0050	mg/kg	0.99	5K10001	11/10/05	11/10/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.099	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.099	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-7 16-16.5' (MOK0175-19) Soil	**Sampled: 11/03/05 13:05**	**Received: 11/04/05 17:15**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K10001	11/10/05	11/10/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*75 %*	*60-125*		"	"	"	"	
A-7 21-21.5' (MOK0175-20) Soil	**Sampled: 11/03/05 13:10**	**Received: 11/04/05 17:15**							
tert-Amyl methyl ether	ND	0.0049	mg/kg	0.98	5K11009	11/11/05	11/11/05	EPA 8260B	
Benzene	ND	0.0049	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0049	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	"	
Ethanol	ND	0.098	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0049	"	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0049	"	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.098	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*69 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A-7 25.5-26' (MOK0175-21) Soil	**Sampled: 11/03/05 13:20**		**Received: 11/04/05 17:15**						**VQT**
tert-Amyl methyl ether	ND	0.25	mg/kg	10	5K10020	11/10/05	11/15/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	25	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*	*60-125*		"	"	"	"	
A-7 25.5-26' (MOK0175-21RE1) Soil	**Sampled: 11/03/05 13:20**		**Received: 11/04/05 17:15**						**CL**
Methyl tert-butyl ether	**0.43**	0.025	mg/kg	1	5K10020	11/10/05	11/19/05	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*60-125*		"	"	"	"	
A-7 36-36.5' (MOK0175-22) Soil	**Sampled: 11/03/05 13:45**		**Received: 11/04/05 17:15**						
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K11009	11/11/05	11/11/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.0064**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*66 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K09007 - EPA 5035 / EPA 8260B										
Blank (5K09007-BLK1)				Prepared & Analyzed: 11/09/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							IC
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00341*		"	*0.00500*		*68*	*60-125*			
Laboratory Control Sample (5K09007-BS1)				Prepared & Analyzed: 11/09/05						
tert-Amyl methyl ether	0.0147	0.0050	mg/kg	0.0150		98	80-130			
Benzene	0.00575	0.0050	"	0.00516		111	65-125			
tert-Butyl alcohol	0.149	0.020	"	0.143		104	80-165			
Di-isopropyl ether	0.0167	0.0050	"	0.0151		111	85-115			
1,2-Dibromoethane (EDB)	0.0148	0.0050	"	0.0149		99	85-130			
1,2-Dichloroethane	0.0144	0.0050	"	0.0147		98	63-124			
Ethanol	0.249	0.10	"	0.142		175	35-150			IC, HL
Ethyl tert-butyl ether	0.0150	0.0050	"	0.0150		100	80-125			
Ethylbenzene	0.00754	0.0050	"	0.00754		100	80-135			
Methyl tert-butyl ether	0.00659	0.0050	"	0.00702		94	75-115			
Toluene	0.0386	0.0050	"	0.0372		104	85-125			
Xylenes (total)	0.0427	0.0050	"	0.0412		104	80-140			
Gasoline Range Organics (C4-C12)	0.517	0.10	"	0.440		118	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00406*		"	*0.00500*		*81*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K09007 - EPA 5035 / EPA 8260B										
Matrix Spike (5K09007-MS1)	**Source: MOK0175-01**			Prepared & Analyzed: 11/09/05						
tert-Amyl methyl ether	0.0140	0.0050	mg/kg	0.0150	0.00013	92	80-130			
Benzene	0.00573	0.0050	"	0.00516	0.00082	95	65-125			
tert-Butyl alcohol	0.134	0.020	"	0.143	ND	94	80-135			
Di-isopropyl ether	0.0163	0.0050	"	0.0151	ND	108	85-115			
1,2-Dibromoethane (EDB)	0.0146	0.0050	"	0.0149	ND	98	85-130			
1,2-Dichloroethane	0.0116	0.0050	"	0.0147	ND	79	63-124			
Ethanol	0.107	0.10	"	0.142	ND	75	35-150			IC
Ethyl tert-butyl ether	0.0146	0.0050	"	0.0150	ND	97	80-125			
Ethylbenzene	0.00731	0.0050	"	0.00754	ND	97	80-135			
Methyl tert-butyl ether	0.00583	0.0050	"	0.00702	ND	83	75-115			
Toluene	0.0377	0.0050	"	0.0372	ND	101	85-125			
Xylenes (total)	0.0408	0.0050	"	0.0412	ND	99	80-140			
Gasoline Range Organics (C4-C12)	0.506	0.10	"	0.440	ND	115	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00344*		"	*0.00500*		*69*	*60-125*			
Matrix Spike Dup (5K09007-MSD1)	**Source: MOK0175-01**			Prepared & Analyzed: 11/09/05						
tert-Amyl methyl ether	0.0108	0.0050	mg/kg	0.0150	0.00013	71	80-130	26	25	LN, BA
Benzene	0.00467	0.0050	"	0.00516	0.00082	75	65-125	20	20	
tert-Butyl alcohol	0.108	0.020	"	0.143	ND	76	80-135	21	20	LN, BA
Di-isopropyl ether	0.0128	0.0050	"	0.0151	ND	85	85-115	24	20	RB
1,2-Dibromoethane (EDB)	0.0118	0.0050	"	0.0149	ND	79	85-130	21	15	LN, BA
1,2-Dichloroethane	0.00992	0.0050	"	0.0147	ND	67	63-124	16	25	
Ethanol	0.0927	0.10	"	0.142	ND	65	35-150	14	40	IC
Ethyl tert-butyl ether	0.0115	0.0050	"	0.0150	ND	77	80-125	24	25	LN
Ethylbenzene	0.00590	0.0050	"	0.00754	ND	78	80-135	21	20	LN, BA
Methyl tert-butyl ether	0.00480	0.0050	"	0.00702	ND	68	75-115	19	35	LN
Toluene	0.0292	0.0050	"	0.0372	ND	78	85-125	25	15	LN, BA
Xylenes (total)	0.0324	0.0050	"	0.0412	ND	79	80-140	23	20	LN, BA
Gasoline Range Organics (C4-C12)	0.383	0.10	"	0.440	ND	87	53-126	28	25	RB
Surrogate: 1,2-Dichloroethane-d4	*0.00369*		"	*0.00500*		*74*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K10001 - EPA 5035 / EPA 8260B										
Blank (5K10001-BLK1)				Prepared & Analyzed: 11/10/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00360*		"	*0.00500*		*72*	*60-125*			
Laboratory Control Sample (5K10001-BS1)				Prepared & Analyzed: 11/10/05						
tert-Amyl methyl ether	0.0150	0.0050	mg/kg	0.0150		100	80-130			
Benzene	0.00588	0.0050	"	0.00516		114	65-125			
tert-Butyl alcohol	0.153	0.020	"	0.143		107	80-165			
Di-isopropyl ether	0.0180	0.0050	"	0.0151		119	85-115			HL
1,2-Dibromoethane (EDB)	0.0158	0.0050	"	0.0149		106	85-130			
1,2-Dichloroethane	0.0144	0.0050	"	0.0147		98	63-124			
Ethanol	0.183	0.10	"	0.142		129	35-150			
Ethyl tert-butyl ether	0.0155	0.0050	"	0.0150		103	80-125			
Ethylbenzene	0.00776	0.0050	"	0.00754		103	80-135			
Methyl tert-butyl ether	0.00643	0.0050	"	0.00702		92	75-115			
Toluene	0.0393	0.0050	"	0.0372		106	85-125			
Xylenes (total)	0.0448	0.0050	"	0.0412		109	80-140			
Gasoline Range Organics (C4-C12)	0.551	0.10	"	0.440		125	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00405*		"	*0.00500*		*81*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K10001 - EPA 5035 / EPA 8260B										
Matrix Spike (5K10001-MS1)	**Source: MOK0319-01**			Prepared & Analyzed: 11/10/05						
tert-Amyl methyl ether	0.0145	0.0050	mg/kg	0.0150	0.00015	96	80-130			
Benzene	0.00587	0.0050	"	0.00516	0.0010	94	65-125			
tert-Butyl alcohol	0.193	0.020	"	0.143	0.042	106	80-135			
Di-isopropyl ether	0.0173	0.0050	"	0.0151	ND	115	85-115			
1,2-Dibromoethane (EDB)	0.0149	0.0050	"	0.0149	ND	100	85-130			
1,2-Dichloroethane	0.0150	0.0050	"	0.0147	ND	102	63-124			
Ethanol	0.142	0.099	"	0.142	ND	100	35-150			
Ethyl tert-butyl ether	0.0152	0.0050	"	0.0150	ND	101	80-125			
Ethylbenzene	0.0130	0.0050	"	0.00754	0.0039	121	80-135			
Methyl tert-butyl ether	0.00715	0.0050	"	0.00702	ND	102	75-115			
Toluene	0.0421	0.0050	"	0.0372	0.0048	100	85-125			
Xylenes (total)	0.0726	0.0050	"	0.0412	0.023	120	80-140			
Gasoline Range Organics (C4-C12)	0.649	0.099	"	0.440	0.11	122	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00451*		"	*0.00500*		*90*	*60-125*			
Matrix Spike Dup (5K10001-MSD1)	**Source: MOK0319-01**			Prepared & Analyzed: 11/10/05						
tert-Amyl methyl ether	0.0146	0.0050	mg/kg	0.0150	0.00015	96	80-130	0.7	25	
Benzene	0.00582	0.0050	"	0.00516	0.0010	93	65-125	0.9	20	
tert-Butyl alcohol	0.188	0.020	"	0.143	0.042	102	80-135	3	20	
Di-isopropyl ether	0.0172	0.0050	"	0.0151	ND	114	85-115	0.6	20	
1,2-Dibromoethane (EDB)	0.0146	0.0050	"	0.0149	ND	98	85-130	2	15	
1,2-Dichloroethane	0.0148	0.0050	"	0.0147	ND	101	63-124	1	25	
Ethanol	0.213	0.099	"	0.142	ND	150	35-150	40	40	
Ethyl tert-butyl ether	0.0150	0.0050	"	0.0150	ND	100	80-125	1	25	
Ethylbenzene	0.0133	0.0050	"	0.00754	0.0039	125	80-135	2	20	
Methyl tert-butyl ether	0.00700	0.0050	"	0.00702	ND	100	75-115	2	35	
Toluene	0.0444	0.0050	"	0.0372	0.0048	106	85-125	5	15	
Xylenes (total)	0.0762	0.0050	"	0.0412	0.023	129	80-140	5	20	
Gasoline Range Organics (C4-C12)	0.654	0.099	"	0.440	0.11	124	53-126	0.8	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00469*		"	*0.00500*		*94*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K10020 - EPA 5030B/5035A MeOH / EPA 8260B										
Blank (5K10020-BLK1)				Prepared: 11/10/05 Analyzed: 11/11/05						
tert-Amyl methyl ether	ND	0.025	mg/kg							
Benzene	ND	0.050	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.025	"							
1,2-Dibromoethane (EDB)	ND	0.025	"							
1,2-Dichloroethane	ND	0.025	"							
Ethanol	ND	10	"							
Ethyl tert-butyl ether	ND	0.025	"							
Ethylbenzene	ND	0.050	"							
Methyl tert-butyl ether	ND	0.025	"							
Toluene	ND	0.050	"							
Xylenes (total)	ND	0.050	"							
Gasoline Range Organics (C4-C12)	ND	2.5	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00442*		"	*0.00500*		*88*	*60-125*			
Laboratory Control Sample (5K10020-BS1)				Prepared: 11/10/05 Analyzed: 11/11/05						
tert-Amyl methyl ether	0.715	0.025	mg/kg	0.564		127	80-130			
Benzene	0.188	0.050	"	0.194		97	65-125			
tert-Butyl alcohol	6.87	5.0	"	5.37		128	80-165			
Di-isopropyl ether	0.501	0.025	"	0.567		88	85-115			
1,2-Dibromoethane (EDB)	0.485	0.025	"	0.558		87	85-130			
1,2-Dichloroethane	0.473	0.025	"	0.552		86	63-124			
Ethanol	4.28	10	"	5.31		81	35-150			
Ethyl tert-butyl ether	0.717	0.025	"	0.564		127	80-125			HL
Ethylbenzene	0.278	0.050	"	0.283		98	80-135			
Methyl tert-butyl ether	0.367	0.025	"	0.263		140	75-115			HL
Toluene	1.35	0.050	"	1.39		97	85-125			
Xylenes (total)	1.59	0.050	"	1.55		103	80-140			
Gasoline Range Organics (C4-C12)	19.0	2.5	"	16.5		115	60-140			
Surrogate: 1,2-Dichloroethane-d4	*0.00427*		"	*0.00500*		*85*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K10020 - EPA 5030B/5035A MeOH / EPA 8260B										
Laboratory Control Sample Dup (5K10020-BSD1)				Prepared: 11/10/05 Analyzed: 11/11/05						
tert-Amyl methyl ether	0.658	0.025	mg/kg	0.564		117	80-130	8	25	
Benzene	0.173	0.050	"	0.194		89	65-125	8	20	
tert-Butyl alcohol	6.77	5.0	"	5.37		126	80-165	1	25	
Di-isopropyl ether	0.453	0.025	"	0.567		80	85-115	10	20	HM
1,2-Dibromoethane (EDB)	0.443	0.025	"	0.558		79	85-130	9	15	HM
1,2-Dichloroethane	0.419	0.025	"	0.552		76	63-124	12	25	
Ethanol	4.65	10	"	5.31		88	35-150	8	40	
Ethyl tert-butyl ether	0.658	0.025	"	0.564		117	80-125	9	25	
Ethylbenzene	0.262	0.050	"	0.283		93	80-135	6	20	
Methyl tert-butyl ether	0.341	0.025	"	0.263		130	75-115	7	35	HL
Toluene	1.25	0.050	"	1.39		90	85-125	8	15	
Xylenes (total)	1.50	0.050	"	1.55		97	80-140	6	20	
Gasoline Range Organics (C4-C12)	17.1	2.5	"	16.5		104	60-140	11	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00413*		"	*0.00500*		*83*	*60-125*			
Batch 5K11009 - EPA 5035 / EPA 8260B										
Blank (5K11009-BLK1)				Prepared & Analyzed: 11/11/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							IC
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00403*		"	*0.00500*		*81*	*60-125*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K11009 - EPA 5035 / EPA 8260B										
Laboratory Control Sample (5K11009-BS1)				Prepared & Analyzed: 11/11/05						
tert-Amyl methyl ether	0.0140	0.0050	mg/kg	0.0150		93	80-130			
Benzene	0.00551	0.0050	"	0.00516		107	65-125			
tert-Butyl alcohol	0.149	0.020	"	0.143		104	80-165			
Di-isopropyl ether	0.0158	0.0050	"	0.0151		105	85-115			
1,2-Dibromoethane (EDB)	0.0145	0.0050	"	0.0149		97	85-130			
1,2-Dichloroethane	0.0133	0.0050	"	0.0147		90	63-124			
Ethanol	0.185	0.10	"	0.142		130	35-150			IC
Ethyl tert-butyl ether	0.0141	0.0050	"	0.0150		94	80-125			
Ethylbenzene	0.00774	0.0050	"	0.00754		103	80-135			
Methyl tert-butyl ether	0.00620	0.0050	"	0.00702		88	75-115			
Toluene	0.0379	0.0050	"	0.0372		102	85-125			
Xylenes (total)	0.0432	0.0050	"	0.0412		105	80-140			
Gasoline Range Organics (C4-C12)	0.506	0.10	"	0.440		115	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00385*		"	*0.00500*		*77*	*60-125*			
Matrix Spike (5K11009-MS1)	**Source: MOK0320-01**			Prepared & Analyzed: 11/11/05						
tert-Amyl methyl ether	0.0128	0.0050	mg/kg	0.0150	0.00014	84	80-130			
Benzene	0.00515	0.0050	"	0.00516	0.0016	69	65-125			
tert-Butyl alcohol	0.256	0.020	"	0.143	0.011	171	80-135			LM
Di-isopropyl ether	0.0151	0.0050	"	0.0151	ND	100	85-115			
1,2-Dibromoethane (EDB)	0.0131	0.0050	"	0.0149	ND	88	85-130			
1,2-Dichloroethane	0.0129	0.0050	"	0.0147	ND	88	63-124			
Ethanol	0.163	0.10	"	0.142	ND	115	35-150			IC
Ethyl tert-butyl ether	0.0133	0.0050	"	0.0150	ND	89	80-125			
Ethylbenzene	0.00670	0.0050	"	0.00754	0.00055	82	80-135			
Methyl tert-butyl ether	0.00853	0.0050	"	0.00702	ND	122	75-115			LM
Toluene	0.0326	0.0050	"	0.0372	0.00016	87	85-125			
Xylenes (total)	0.0362	0.0050	"	0.0412	0.00049	87	80-140			
Gasoline Range Organics (C4-C12)	0.702	0.10	"	0.440	0.50	46	53-126			LN
Surrogate: 1,2-Dichloroethane-d4	*0.00411*		"	*0.00500*		*82*	*60-125*			

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K11009 - EPA 5035 / EPA 8260B										
Matrix Spike Dup (5K11009-MSD1)	**Source: MOK0320-01**			Prepared & Analyzed: 11/11/05						
tert-Amyl methyl ether	0.0124	0.0050	mg/kg	0.0150	0.00014	82	80-130	3	25	
Benzene	0.00521	0.0050	"	0.00516	0.0016	70	65-125	1	20	
tert-Butyl alcohol	0.273	0.020	"	0.143	0.011	183	80-135	6	20	LM
Di-isopropyl ether	0.0147	0.0050	"	0.0151	ND	97	85-115	3	20	
1,2-Dibromoethane (EDB)	0.0128	0.0050	"	0.0149	ND	86	85-130	2	15	
1,2-Dichloroethane	0.0112	0.0050	"	0.0147	ND	76	63-124	14	25	
Ethanol	0.159	0.10	"	0.142	ND	112	35-150	2	40	IC
Ethyl tert-butyl ether	0.0128	0.0050	"	0.0150	ND	85	80-125	4	25	
Ethylbenzene	0.00639	0.0050	"	0.00754	0.00055	77	80-135	5	20	LN
Methyl tert-butyl ether	0.00758	0.0050	"	0.00702	ND	108	75-115	12	35	
Toluene	0.0313	0.0050	"	0.0372	0.00016	84	85-125	4	15	LN
Xylenes (total)	0.0344	0.0050	"	0.0412	0.00049	82	80-140	5	20	
Gasoline Range Organics (C4-C12)	0.657	0.10	"	0.440	0.50	36	53-126	7	25	LN
Surrogate: 1,2-Dichloroethane-d4	*0.00383*		"	*0.00500*		*77*	*60-125*			
Batch 5K16038 - EPA 5030B P/T / EPA 8260B										
Blank (5K16038-BLK1)				Prepared & Analyzed: 11/16/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							IC
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*2.52*		"	*2.50*		*101*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K16038 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5K16038-BS1)				Prepared & Analyzed: 11/16/05						
tert-Amyl methyl ether	16.6	0.50	ug/l	15.0		111	80-115			
Benzene	5.17	0.50	"	5.16		100	65-115			
tert-Butyl alcohol	161	20	"	143		113	75-150			
Di-isopropyl ether	17.3	0.50	"	15.1		115	75-125			
1,2-Dibromoethane (EDB)	15.3	0.50	"	14.9		103	85-120			
1,2-Dichloroethane	14.8	0.50	"	14.7		101	85-130			
Ethanol	161	100	"	142		113	70-135			IC
Ethyl tert-butyl ether	16.1	0.50	"	15.0		107	75-130			
Ethylbenzene	7.37	0.50	"	7.54		98	75-135			
Methyl tert-butyl ether	7.25	0.50	"	7.02		103	65-125			
Toluene	36.1	0.50	"	37.2		97	85-120			
Xylenes (total)	42.5	0.50	"	41.2		103	85-125			
Gasoline Range Organics (C4-C12)	624	50	"	440		142	60-140			HL
Surrogate: 1,2-Dichloroethane-d4	*2.40*		*"*	*2.50*		*96*	*60-135*			
Matrix Spike (5K16038-MS1)	**Source: MOK0585-01**			Prepared: 11/16/05		Analyzed: 11/17/05				
tert-Amyl methyl ether	88.5	2.5	ug/l	75.2	6.3	109	80-115			
Benzene	25.8	2.5	"	25.8	ND	100	65-115			
tert-Butyl alcohol	828	100	"	716	ND	116	75-120			
Di-isopropyl ether	86.4	2.5	"	75.6	ND	114	75-125			
1,2-Dibromoethane (EDB)	76.2	2.5	"	74.4	ND	102	85-120			
1,2-Dichloroethane	72.5	2.5	"	73.6	ND	99	85-130			
Ethanol	1000	500	"	708	ND	141	70-135			IC, LM
Ethyl tert-butyl ether	78.9	2.5	"	75.2	ND	105	75-130			
Ethylbenzene	36.0	2.5	"	37.7	ND	95	75-135			
Methyl tert-butyl ether	595	2.5	"	35.1	640	0	65-125			BB,LN
Toluene	176	2.5	"	186	ND	95	85-120			
Xylenes (total)	207	2.5	"	206	ND	100	85-125			
Gasoline Range Organics (C4-C12)	3530	250	"	2200	720	128	60-140			
Surrogate: 1,2-Dichloroethane-d4	*2.48*		*"*	*2.50*		*99*	*60-135*			

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K16038 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (5K16038-MSD1)	**Source: MOK0585-01**			Prepared: 11/16/05 Analyzed: 11/17/05						
tert-Amyl methyl ether	87.4	2.5	ug/l	75.2	6.3	108	80-115	1	15	
Benzene	25.7	2.5	"	25.8	ND	100	65-115	0.4	20	
tert-Butyl alcohol	865	100	"	716	ND	121	75-120	4	25	LM
Di-isopropyl ether	86.4	2.5	"	75.6	ND	114	75-125	0	15	
1,2-Dibromoethane (EDB)	75.6	2.5	"	74.4	ND	102	85-120	0.8	15	
1,2-Dichloroethane	72.6	2.5	"	73.6	ND	99	85-130	0.1	20	
Ethanol	1180	500	"	708	ND	167	70-135	17	35	LM
Ethyl tert-butyl ether	79.6	2.5	"	75.2	ND	106	75-130	0.9	25	
Ethylbenzene	37.4	2.5	"	37.7	ND	99	75-135	4	15	
Methyl tert-butyl ether	587	2.5	"	35.1	640	0	65-125	1	20	BB,LN
Toluene	176	2.5	"	186	ND	95	85-120	0	20	
Xylenes (total)	211	2.5	"	206	ND	102	85-125	2	20	
Gasoline Range Organics (C4-C12)	3550	250	"	2200	720	129	60-140	0.6	25	
Surrogate: 1,2-Dichloroethane-d4	*2.37*		"	*2.50*		*95*	*60-135*			

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0175
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/22/05 16:32

Notes and Definitions

VQT	Val. Qual.: QA/QC protocols not met for instr.12-hr tuning crit.
RB	RPD exceeded method control limit; % recoveries within limits.
LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
IC	Calib. verif. is within method limits but outside contract limits
HM	Analyte recovery below established limit
HL	Analyte recovery above established limit
CL	Initial analysis within holding time but required dilution
BB,LN	Sample > 4x spike concentration.
BA	Relative percent difference out of control
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

☆ Please fax copy to Lynelle Onishi (510) 874-3268

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	8am	Temp:	68°
Off-site Time:	15:40	Temp:	73°
Sky Conditions:	Cloudy		
Meteorological Events:			
Wind Speed:	3mph	Direction:	NW

Lab Name:	Sequoia Analytical	BP/AR Facility No.:	11117
Address:	885 Jarvis Drive	BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA
	Morgan Hill, CA 95037	Site Lat/Long:	
Lab PM:	Lisa Race	California Global ID No.:	
Tele/Fax:	408-782-8156/408-782-6308	Enfos Project No.:	G07TK-0022
BP/AR PM Contact:	Kyle Christie	Provision or RCOP (circle one)	Provision
Address:	4 Centerpointe Dr.	Phase/WBS:	01 - Assessment
	La Palma, CA	Sub Phase/Task:	03 - Analytical
Tele/Fax:	714-670-5303/714-6705195	Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS		
Address:	1333 Broadway, Suite 800		
	Oakland, CA 94612		
Consultant/Contractor Project No.:	38487353.0A034		
Consultant/Contractor PM:	Lynelle Onishi		
Tele/Fax:	510-874-1758/510-874-3268		
Report Type & QC Level:	Level 1 & EDF		
E-mail EDD To:	lynelle_onishi@urscorp.com		
Invoice to:	BP West Coast Global Alliance		

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-8 6-6.5'	0900	11/3/05	X			01	1	X					X	X	X	X	X	MW-0175 ☆See Special
2	A-8 11-11.5'	0905					02												instructions for Pb.
3	A-8 15.5-16'	0910					03												A-T.
4	A-8 21-21.5'	0915					04												Do not run for
5	A-8 (24.6)	0936				X	05	3				X							Pb
6	A-8 25-25.5	0940					06	1	X										
7	A-8 30-30.5	0945					07												
8	A-8 36-36.5	0950					08												
9	A-9 6-6.5'	11:15					09												
10	A-9 11-11.5'	11:20					10												

Sampler's Name:	Andrew Fowler	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date / Time
Sampler's Company:	URS		11/3/05	16:00	Mailroom	11/3/05 1600
Shipment Date:	11/3/05	Jesus				11/4/05 1120
Shipment Method:	Courier		11/4/05	1517		11/4/05 1517
Shipment Tracking No:						

Special Instructions: ~~Analyze soil sample with highest GRO concentration for Total Lead (Pb).~~ If running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes ✓ No Cooler Temperature on Receipt 4.3 °F/C Trip Blank Yes ✓ No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

Please fax COC to Lynelle Onishi 510-874-3268

bp

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Sequoia Analytical
Address:	885 Jarvis Drive
	Morgan Hill, CA 95037
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156/408-782-6308
BP/AR PM Contact:	Kyle Christie
Address:	4 Centerpointe Dr.
	La Palma, CA
Tele/Fax:	714-670-5303/714-6705195

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA
Site Lat/Long:	
California Global ID No.:	
Enfos Project No.:	G07TK-0022
Provision or RCOP (circle one)	Provision
Phase/WBS:	01 - Assessment
Sub Phase/Task:	03 - Analytical
Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487353.0A034
Consultant/Contractor PM:	Lynelle Onishi
Tele/Fax:	510-874-1758/510-874-3268
Report Type & QC Level:	Level 1 & EDF
E-mail EDD To:	lynelle_onishi@urscorp.com
Invoice to:	BP West Coast Global Alliance

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-9 16-16.5'	1130	11/3/05	X			11	1	X					X	X	X X X	X		MOK 0175
2	A-9 21-21.5'	1131	"	X			12	1	X										
3	A9 (24-2)'	1135	"		X		13	3				X							
4	A-9 25-25.5'	1140	"	X			14	1	X										
5	A-9 31-31.5'	1145	"				15	1											
6	A-9 36-36.5'	1150	"				16	1											
7	A-7 6-6.5'	1255	"				17	1											
8	A-7 11-11.5'	1300	"				18	1											
9	A-7 16-16.5'	1305	"				19	1											
10	A-7 21-21.5'	1310	"				20	1											

Sampler's Name:	Andrew Fowler
Sampler's Company:	URS
Shipment Date:	11/3/05
Shipment Method:	Courier
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	11/3/05	1800	Mailroom	11/3/05	1600
Jesus [signature]	11/4/05	1345	[signature] SA	11/4/05	1120
[signature]			[signature]	11/4/05	1210

Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb).
If running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes ✓ No Cooler Temperature on Receipt 4.5 °F/C Trip Blank Yes ✓ No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

** Please fax copy to Lynelle Onishi 510 874 3268

bp

Chain of Custody Record

Project Name: Former BP Site 11117 Soil/Groundwater Investigation
BP BU/AR Region/Enfos Segment: BP/Americas/WestCoast/Retail/WCBU/CA/Cent
State or Lead Regulatory Agency: Alameda County Environmental Health
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Sequoia Analytical
Address:	885 Jarvis Drive
	Morgan Hill, CA 95037
Lab PM:	Lisa Race
Tele/Fax:	408-782-8156/408-782-6308
BP/AR PM Contact:	Kyle Christie
Address:	4 Centerpointe Dr.
	La Palma, CA
Tele/Fax:	714-670-5303/714-6705195

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft Ave, Oakland, CA
Site Lat/Long:	
California Global ID No.:	
Enfos Project No.:	G07TK-0022
Provision or RCOP (circle one)	Provision
Phase/WBS:	01- Assessment
Sub Phase/Task:	03 - Analytical
Cost Element:	05 - Subcontracted Costs

Consultant/Contractor:	URS
Address:	1333 Broadway, Suite 800
	Oakland, CA 94612
Consultant/Contractor Project No.:	38487353.0A034
Consultant/Contractor PM:	Lynelle Onishi
Tele/Fax:	510-874-1758/510-874-3268
Report Type & QC Level:	Level 1 & EDF
E-mail EDD To:	lynelle_onishi@urscorp.com
Invoice to:	BP West Coast Global Alliance

Lab Bottle Order No: M0k0175

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO (8260)	Requested Analysis: BTEX (8260)	Requested Analysis: Fuel Add. (8260): MTBE, 1,2-DCA, EDB, TBA, TAME, DIPE, ETBE	Requested Analysis: Ethanol (8260)	Requested Analysis: Total Lead	Sample Point Lat/Long and Comments
1	A-7 25.5-26'	1320	11/3/05				21	1	X					X	X	X	X	X	
2	A-7 36-36.5'	1345	"				22	"	"					"	"	"	"	"	
3	A-7 A	"	"					"	"					"	"	"	"	"	
4	Temp blank				X			1	X										hold
5	Temp blank		✓		X		23	2				X							hold.
6																			
7																			
8																			
9																			
10																			

Sampler's Name:	Andrew Fowler
Sampler's Company:	GES
Shipment Date:	11/3/05
Shipment Method:	Courier
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	11/3/05	1600	[signature]	11/3/05	1600
Jesus [signature] SA	11/4/05	1175	[signature] SA	11/4/05	1120
			[signature]	11/4/05	1200

~~Special Instructions: Analyze soil sample with highest GRO concentration for Total Lead (Pb).~~

running total Pb analysis and result are >50ppm, run STLC, if STLC results are >5ppm, run TCLP

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes ✓ No ___ Cooler Temperature on Receipt 4.6 °F/C Trip Blank Yes ✓ No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS 11117
REC. BY (PRINT): E. Fallin
WORKORDER: M0K0175

DATE REC'D AT LAB: 11/4/05
TIME REC'D AT LAB: 1715
DATE LOGGED IN: 11/4/05

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent	01	A	A-8 6-6.5'	M-core	—	—	S	11/4/05	
	Intact / Broken*	02		11-11.5'						
2. Chain-of-Custody	Present / Absent*	03		15.5-16'						
3. Traffic Reports or		04		21-21.5'						
Packing List:	Present / Absent	05	A-C	(24.6')	VOA (3)	HCl		W		
4. Airbill:	Airbill / Sticker	06	A	25-25.5'	M. core	—		S		
	Present / Absent	07		30-30.5'						
5. Airbill #:	—	08		36-36.5'						
6. Sample Labels:	Present / Absent	09		A-9 6-6.5'						
7. Sample IDs:	Listed / Not Listed	10		11-11.5'						
	on Chain-of-Custody	11		16-16.5'						
8. Sample Condition:	Intact / Broken* /	12		21-21.5'						
	Leaking*	13	A-C	(24.2')	VOA (3)	HCl		W		
9. Does information on chain-of-custody,		14	A	25-25.5'	M. core	—		S		
traffic reports and sample labels		15		31-31.5'						
agree?	Yes / No*	16		36-36.5'						
10. Sample received within		17		A-7 6-6.5'						
hold time?	Yes / No*	18		11-11.5'						
11. Adequate sample volume		19		16-16.5'						
received?	Yes / No*	20		21-21.5'						
12. Proper preservatives used?	Yes / No*	21		25.5-26'						
13. Trip Blank / Temp Blank Received?		22		36-36.5'						
(circle which, if yes)	Yes / No*	23	A-C	Trip Blank	VOA (2)	HCl	✓	W	✓	
14. Read Temp:	4.5 °C									
Corrected Temp:	4.5 °C									
Is corrected temp 4 +/-2°C?	Yes / No**									

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

EBF 11/4/05

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Sequoia Analytical

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23 November, 2005

Lynelle Onishi
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11117,Oakland, CA
Work Order: MOK0290

Enclosed are the results of analyses for samples received by the laboratory on 11/07/05 20:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kekobad

Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A10-5.5'	MOK0290-01	Soil	11/07/05 09:48	11/07/05 20:35
A10-10.5'	MOK0290-02	Soil	11/07/05 10:02	11/07/05 20:35
A10-15.5'	MOK0290-03	Soil	11/07/05 10:05	11/07/05 20:35
A10-20.5'	MOK0290-04	Soil	11/07/05 10:10	11/07/05 20:35
A10-25.5'	MOK0290-05	Soil	11/07/05 10:19	11/07/05 20:35
A10 (25')	MOK0290-06	Water	11/07/05 10:20	11/07/05 20:35
A10-30.5'	MOK0290-07	Soil	11/07/05 10:33	11/07/05 20:35
A10-35.5'	MOK0290-08	Soil	11/07/05 10:42	11/07/05 20:35
A10 (39')	MOK0290-09	Water	11/07/05 14:07	11/07/05 20:35

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A10-5.5' (MOK0290-01) Soil Sampled: 11/07/05 09:48 Received: 11/07/05 20:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*83 %*	*60-125*		"	"	"	"	
A10-10.5' (MOK0290-02) Soil Sampled: 11/07/05 10:02 Received: 11/07/05 20:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A10-15.5' (MOK0290-03) Soil Sampled: 11/07/05 10:05 Received: 11/07/05 20:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*60-125*		"	"	"	"	
A10-20.5' (MOK0290-04) Soil Sampled: 11/07/05 10:10 Received: 11/07/05 20:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A10-25.5' (MOK0290-05) Soil	**Sampled: 11/07/05 10:19**	**Received: 11/07/05 20:35**							
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-125*		"	"	"	"	
A10 (25') (MOK0290-06) Water	**Sampled: 11/07/05 10:20**	**Received: 11/07/05 20:35**							
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K17010	11/17/05	11/17/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.50**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A10-30.5' (MOK0290-07) Soil Sampled: 11/07/05 10:33 Received: 11/07/05 20:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92 %*	*60-125*		"	"	"	"	
A10-35.5' (MOK0290-08) Soil Sampled: 11/07/05 10:42 Received: 11/07/05 20:35									
tert-Amyl methyl ether	ND	0.0050	mg/kg	1	5K15011	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
tert-Butyl alcohol	ND	0.020	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	"	
Ethanol	ND	0.10	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	0.10	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-125*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
A10 (39') (MOK0290-09) Water	**Sampled: 11/07/05 14:07**		**Received: 11/07/05 20:35**						
tert-Amyl methyl ether	ND	0.50	ug/l	1	5K21013	11/21/05	11/21/05	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**27**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**51**	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*79 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K15011 - EPA 5035 / EPA 8260B										
Blank (5K15011-BLK1)				Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	ND	0.0050	mg/kg							
Benzene	ND	0.0050	"							
tert-Butyl alcohol	ND	0.020	"							
Di-isopropyl ether	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
Ethanol	ND	0.10	"							IC
Ethyl tert-butyl ether	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Organics (C4-C12)	ND	0.10	"							
Surrogate: 1,2-Dichloroethane-d4	*0.00591*		"	*0.00500*		*118*	*60-125*			
Laboratory Control Sample (5K15011-BS1)				Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	0.0153	0.0050	mg/kg	0.0150		102	80-130			
Benzene	0.00502	0.0050	"	0.00516		97	65-125			
tert-Butyl alcohol	0.142	0.020	"	0.143		99	80-165			
Di-isopropyl ether	0.0155	0.0050	"	0.0151		103	85-115			
1,2-Dibromoethane (EDB)	0.0156	0.0050	"	0.0149		105	85-130			
1,2-Dichloroethane	0.0153	0.0050	"	0.0147		104	63-124			
Ethanol	0.222	0.10	"	0.142		156	35-150			IC, HL
Ethyl tert-butyl ether	0.0156	0.0050	"	0.0150		104	80-125			
Ethylbenzene	0.00724	0.0050	"	0.00754		96	80-135			
Methyl tert-butyl ether	0.00734	0.0050	"	0.00702		105	75-115			
Toluene	0.0375	0.0050	"	0.0372		101	85-125			
Xylenes (total)	0.0412	0.0050	"	0.0412		100	80-140			
Gasoline Range Organics (C4-C12)	0.553	0.10	"	0.440		126	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00467*		"	*0.00500*		*93*	*60-125*			

Sequoia Analytical

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K15011 - EPA 5035 / EPA 8260B										
Matrix Spike (5K15011-MS1)	**Source: MOK0677-01**			Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	0.0165	0.0050	mg/kg	0.0150	0.00016	109	80-130			
Benzene	0.00523	0.0050	"	0.00516	ND	101	65-125			
tert-Butyl alcohol	0.146	0.020	"	0.143	ND	102	80-135			
Di-isopropyl ether	0.0169	0.0050	"	0.0151	ND	112	85-115			
1,2-Dibromoethane (EDB)	0.0166	0.0050	"	0.0149	ND	111	85-130			
1,2-Dichloroethane	0.0191	0.0050	"	0.0147	ND	130	63-124			LM
Ethanol	0.190	0.10	"	0.142	0.026	115	35-150			IC
Ethyl tert-butyl ether	0.0171	0.0050	"	0.0150	ND	114	80-125			
Ethylbenzene	0.00582	0.0050	"	0.00754	ND	77	80-135			LN
Methyl tert-butyl ether	0.00883	0.0050	"	0.00702	ND	126	75-115			LM
Toluene	0.0302	0.0050	"	0.0372	0.00055	80	85-125			LN
Xylenes (total)	0.0428	0.0050	"	0.0412	0.0027	97	80-140			
Gasoline Range Organics (C4-C12)	0.489	0.10	"	0.440	ND	111	53-126			
Surrogate: 1,2-Dichloroethane-d4	*0.00569*		"	*0.00500*		*114*	*60-125*			
Matrix Spike Dup (5K15011-MSD1)	**Source: MOK0677-01**			Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	0.0158	0.0050	mg/kg	0.0150	0.00016	104	80-130	4	25	
Benzene	0.00465	0.0050	"	0.00516	ND	90	65-125	12	20	
tert-Butyl alcohol	0.145	0.020	"	0.143	ND	101	80-135	0.7	20	
Di-isopropyl ether	0.0162	0.0050	"	0.0151	ND	107	85-115	4	20	
1,2-Dibromoethane (EDB)	0.0156	0.0050	"	0.0149	ND	105	85-130	6	15	
1,2-Dichloroethane	0.0155	0.0050	"	0.0147	ND	105	63-124	21	25	
Ethanol	0.172	0.10	"	0.142	0.026	103	35-150	10	40	IC
Ethyl tert-butyl ether	0.0162	0.0050	"	0.0150	ND	108	80-125	5	25	
Ethylbenzene	0.00402	0.0050	"	0.00754	ND	53	80-135	37	20	LN, BA
Methyl tert-butyl ether	0.00748	0.0050	"	0.00702	ND	107	75-115	17	35	
Toluene	0.0217	0.0050	"	0.0372	0.00055	57	85-125	33	15	LN, BA
Xylenes (total)	0.0405	0.0050	"	0.0412	0.0027	92	80-140	6	20	
Gasoline Range Organics (C4-C12)	0.426	0.10	"	0.440	ND	97	53-126	14	25	
Surrogate: 1,2-Dichloroethane-d4	*0.00462*		"	*0.00500*		*92*	*60-125*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K17010 - EPA 5030B P/T / EPA 8260B										
Blank (5K17010-BLK1)				Prepared & Analyzed: 11/17/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							IC
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*3.00*		"	*2.50*		*120*	*60-135*			
Laboratory Control Sample (5K17010-BS1)				Prepared & Analyzed: 11/17/05						
tert-Amyl methyl ether	11.3	0.50	ug/l	10.0		113	80-115			
Benzene	10.3	0.50	"	10.0		103	65-115			
tert-Butyl alcohol	60.0	20	"	50.0		120	75-150			
Di-isopropyl ether	11.3	0.50	"	10.0		113	75-125			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0		108	85-120			
1,2-Dichloroethane	10.9	0.50	"	10.0		109	85-130			
Ethanol	233	100	"	200		116	70-135			IC
Ethyl tert-butyl ether	9.86	0.50	"	10.0		99	75-130			
Ethylbenzene	9.61	0.50	"	10.0		96	75-135			
Methyl tert-butyl ether	10.5	0.50	"	10.0		105	65-125			
Toluene	11.4	0.50	"	10.0		114	85-120			
Xylenes (total)	30.4	0.50	"	30.0		101	85-125			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		"	*2.50*		*98*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K17010 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5K17010-BS2)				Prepared & Analyzed: 11/17/05						
tert-Amyl methyl ether	16.1	0.50	ug/l	15.0		107	80-115			
Benzene	5.21	0.50	"	5.16		101	65-115			
tert-Butyl alcohol	173	20	"	143		121	75-150			
Di-isopropyl ether	15.6	0.50	"	15.1		103	75-125			
1,2-Dibromoethane (EDB)	15.5	0.50	"	14.9		104	85-120			
1,2-Dichloroethane	18.4	0.50	"	14.7		125	85-130			
Ethanol	146	100	"	142		103	70-135			IC
Ethyl tert-butyl ether	15.1	0.50	"	15.0		101	75-130			
Ethylbenzene	6.94	0.50	"	7.54		92	75-135			
Methyl tert-butyl ether	8.19	0.50	"	7.02		117	65-125			
Toluene	38.3	0.50	"	37.2		103	85-120			
Xylenes (total)	38.2	0.50	"	41.2		93	85-125			
Gasoline Range Organics (C4-C12)	607	50	"	440		138	60-140			
Surrogate: 1,2-Dichloroethane-d4	*2.76*		"	*2.50*		*110*	*60-135*			
Laboratory Control Sample Dup (5K17010-BSD1)				Prepared & Analyzed: 11/17/05						
tert-Amyl methyl ether	11.9	0.50	ug/l	10.0		119	80-115	5	15	HL
Benzene	10.6	0.50	"	10.0		106	65-115	3	20	
tert-Butyl alcohol	56.2	20	"	50.0		112	75-150	7	25	
Di-isopropyl ether	11.1	0.50	"	10.0		111	75-125	2	15	
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	85-120	2	15	
1,2-Dichloroethane	11.6	0.50	"	10.0		116	85-130	6	20	
Ethanol	180	100	"	200		90	70-135	26	35	IC
Ethyl tert-butyl ether	10.2	0.50	"	10.0		102	75-130	3	25	
Ethylbenzene	10.5	0.50	"	10.0		105	75-135	9	15	
Methyl tert-butyl ether	11.9	0.50	"	10.0		119	65-125	12	20	
Toluene	11.7	0.50	"	10.0		117	85-120	3	20	
Xylenes (total)	32.2	0.50	"	30.0		107	85-125	6	20	
Surrogate: 1,2-Dichloroethane-d4	*2.54*		"	*2.50*		*102*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K17010 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample Dup (5K17010-BSD2)				Prepared & Analyzed: 11/17/05						
tert-Amyl methyl ether	16.7	0.50	ug/l	15.0		111	80-115	4	15	
Benzene	5.63	0.50	"	5.16		109	65-115	8	20	
tert-Butyl alcohol	179	20	"	143		125	75-150	3	25	
Di-isopropyl ether	16.3	0.50	"	15.1		108	75-125	4	15	
1,2-Dibromoethane (EDB)	15.7	0.50	"	14.9		105	85-120	1	15	
1,2-Dichloroethane	19.9	0.50	"	14.7		135	85-130	8	20	HL
Ethanol	137	100	"	142		96	70-135	6	35	IC
Ethyl tert-butyl ether	16.0	0.50	"	15.0		107	75-130	6	25	
Ethylbenzene	7.30	0.50	"	7.54		97	75-135	5	15	
Methyl tert-butyl ether	8.52	0.50	"	7.02		121	65-125	4	20	
Toluene	41.3	0.50	"	37.2		111	85-120	8	20	
Xylenes (total)	40.7	0.50	"	41.2		99	85-125	6	20	
Gasoline Range Organics (C4-C12)	664	50	"	440		151	60-140	9	25	HL
Surrogate: 1,2-Dichloroethane-d4	*2.98*		"	*2.50*		*119*	*60-135*			
Batch 5K21013 - EPA 5030B P/T / EPA 8260B										
Blank (5K21013-BLK1)				Prepared & Analyzed: 11/21/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							IC
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*3.91*		"	*5.00*		*78*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K21013 - EPA 5030B P/T / EPA 8260B										
Laboratory Control Sample (5K21013-BS1)				Prepared & Analyzed: 11/21/05						
tert-Amyl methyl ether	14.0	0.50	ug/l	15.0		93	80-115			
Benzene	4.49	0.50	"	5.16		87	65-115			
tert-Butyl alcohol	157	20	"	143		110	75-150			
Di-isopropyl ether	13.1	0.50	"	15.1		87	75-125			
1,2-Dibromoethane (EDB)	15.6	0.50	"	14.9		105	85-120			
1,2-Dichloroethane	13.2	0.50	"	14.7		90	85-130			
Ethanol	148	100	"	142		104	70-135			IC
Ethyl tert-butyl ether	13.5	0.50	"	15.0		90	75-130			
Ethylbenzene	6.83	0.50	"	7.54		91	75-135			
Methyl tert-butyl ether	5.49	0.50	"	7.02		78	65-125			
Toluene	32.8	0.50	"	37.2		88	85-120			
Xylenes (total)	39.2	0.50	"	41.2		95	85-125			
Gasoline Range Organics (C4-C12)	431	50	"	440		98	60-140			
Surrogate: 1,2-Dichloroethane-d4	*3.90*		*"*	*5.00*		*78*	*60-135*			
Matrix Spike (5K21013-MS1)	**Source: MOK0699-07**			Prepared & Analyzed: 11/21/05						
tert-Amyl methyl ether	322	10	ug/l	301	7.4	105	80-115			
Benzene	794	10	"	103	670	120	65-115			LM
tert-Butyl alcohol	3280	400	"	2860	ND	115	75-120			
Di-isopropyl ether	309	10	"	302	3.4	101	75-125			
1,2-Dibromoethane (EDB)	360	10	"	298	ND	121	85-120			LM
1,2-Dichloroethane	298	10	"	294	ND	101	85-130			
Ethanol	2970	2000	"	2830	140	100	70-135			IC
Ethyl tert-butyl ether	296	10	"	301	ND	98	75-130			
Ethylbenzene	199	10	"	151	48	100	75-135			
Methyl tert-butyl ether	127	10	"	140	ND	91	65-125			
Toluene	789	10	"	744	16	104	85-120			
Xylenes (total)	855	10	"	824	23	101	85-125			
Gasoline Range Organics (C4-C12)	11700	1000	"	8800	1600	115	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.53*		*"*	*5.00*		*91*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K21013 - EPA 5030B P/T / EPA 8260B										
Matrix Spike Dup (5K21013-MSD1)	**Source: MOK0699-07**			Prepared & Analyzed: 11/21/05						
tert-Amyl methyl ether	317	10	ug/l	301	7.4	103	80-115	2	15	
Benzene	747	10	"	103	670	75	65-115	6	20	
tert-Butyl alcohol	3520	400	"	2860	ND	123	75-120	7	25	LM
Di-isopropyl ether	297	10	"	302	3.4	97	75-125	4	15	
1,2-Dibromoethane (EDB)	341	10	"	298	ND	114	85-120	5	15	
1,2-Dichloroethane	283	10	"	294	ND	96	85-130	5	20	
Ethanol	3670	2000	"	2830	140	125	70-135	21	35	IC
Ethyl tert-butyl ether	300	10	"	301	ND	100	75-130	1	25	
Ethylbenzene	201	10	"	151	48	101	75-135	1	15	
Methyl tert-butyl ether	128	10	"	140	ND	91	65-125	0.8	20	
Toluene	763	10	"	744	16	100	85-120	3	20	
Xylenes (total)	840	10	"	824	23	99	85-125	2	20	
Gasoline Range Organics (C4-C12)	11000	1000	"	8800	1600	107	60-140	6	25	
Surrogate: 1,2-Dichloroethane-d4	*4.35*		"	*5.00*		*87*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0290
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/23/05 14:09

Notes and Definitions

LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
IC	Calib. verif. is within method limits but outside contract limits
HL	Analyte recovery above established limit
BA	Relative percent difference out of control
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name: From BP 11117 - Oakland
BP BU/AR Region/Enfos Segment:
State or Lead Regulatory Agency: Alameda Co. Health Svcs.
Requested Due Date (mm/dd/yy): 10 day TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Sequoia	BP/AR Facility No.: 11117
Address: 885 Jarvis Dr. Morgan Hill	BP/AR Facility Address: 7210 Bancroft Ave.
Lab PM: Jamshid Ekabad	Site Lat/Long:
Tele/Fax: 408-782-8170 / 408-782-6308	California Global ID No.: T0600100201
BP/AR PM Contact: Kyle Christie	Enfos Project No.: G07TK-0022
Address: 4 Centerpointe Dr. La Palma, CA	Provision or RCOP (circle one) Provision
Tele/Fax: 714-670-5303 / 714-670-5195	Phase/WBS: 01-assessment
	Sub Phase/Task: 03-lab
	Cost Element: 05-sub

Consultant/Contractor: URS Corp.	
Address: 1333 Broadway, Suite 800 Oakland, CA	
Consultant/Contractor Project No.: 38487358	
Consultant/Contractor PM: Lynelle Onishi	
Tele/Fax: 510-874-1758 / 510-874-3268	
Report Type & QC Level: Level 1 + EDF	
E-mail EDD To: Lynelle_Onishi@urscorp.com	
Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)	

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: BTEX 8021	Requested Analysis: BTEX/TPH	Requested Analysis: BTEX/Oxy/TPH	Requested Analysis: EPA 8260	Requested Analysis: EPA 8270	Sample Point Lat/Long and Comments
1	A10-5.5'	948	11/7/05	X			61	1	X							X	0		
2	A10-10.5'	1002	11/7/05	X			62	1	X							X			
3	A10-15.5'	1005	11/7/05	X			63	1	X							X			
4	A10-20.5'	1010	11/7/05	X			64	1	X							X			
5	A10-25.5'	1019	11/7/05	X			65	1	X							X			
6	A10 (25')	1020	11/7/05		X		66	3				X				X			
7	A10-30.5'	1033	11/7/05	X			67	1	X							X			
8	A10-35.5'	1042	11/7/05	X			68	1	X							X			
9	A10 (39')	1107	11/7/05		X		69	3				X				X			
10																			

MOK0290

Sample Point Lat/Long and Comments

Sampler's Name:	Lynelle Onishi
Sampler's Company:	URS Corp
Shipment Date:	11/7/05
Shipment Method:	courier
Shipment Tracking No:	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Lynelle Onishi / URS	11/7/05	1414		11/7/05	1414
	11/9/05	8:35		11/9/05	8:35

Special Instructions:

Body Seals In Place Yes ___ No ___ Temp Blank Yes X No ___ Cooler Temperature on Receipt 4.3 °F/C Trip Blank Yes X No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS
REC. BY (PRINT): Marcos
WORKORDER: 11K6290

DATE REC'D AT LAB: 11/7/05
TIME REC'D AT LAB: 20:35
DATE LOGGED IN: 11-8-05

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent) Intact / Broken*									
2. Chain-of-Custody	(Present) / Absent*									
3. Traffic Reports or Packing List:	Present / (Absent)									
4. Airbill:	Airbill / Sticker Present / (Absent)									
5. Airbill #:										
6. Sample Labels:	(Present) / Absent									
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition:	(Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	(Yes) / No*									
10. Sample received within hold time?	(Yes) / No*									
11. Adequate sample volume received?	(Yes) / No*									
12. Proper preservatives used?	(Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	(Yes) / No*									
14. Read Temp: 4.3 Corrected Temp: 4.3 Is corrected temp 4 +/-2°C?	(Yes) / No**									

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

11/7/05 MK

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

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18 November, 2005

Lynelle Onishi
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: BP Heritage #11117,Oakland, CA
Work Order: MOK0184

Enclosed are the results of analyses for samples received by the laboratory on 11/04/05 11:31. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kekobad

Jamshid Kekobad
Project Manager

CA ELAP Certificate #1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0184
1333 Broadway, Suite 800	Project Number:G07TK-0022	Reported:
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-11117-11032005	MOK0184-01	Water	11/03/05 00:00	11/04/05 11:31
MW-2	MOK0184-02	Water	11/03/05 15:00	11/04/05 11:31
MW-4	MOK0184-03	Water	11/03/05 15:25	11/04/05 11:31
MW-7	MOK0184-04	Water	11/03/05 14:15	11/04/05 11:31
MW-10	MOK0184-05	Water	11/03/05 14:35	11/04/05 11:31
EX-1	MOK0184-06	Water	11/03/05 15:50	11/04/05 11:31
EX-2	MOK0184-07	Water	11/03/05 16:20	11/04/05 11:31

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0184
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MOK0184-02) Water Sampled: 11/03/05 15:00 Received: 11/04/05 11:31									
tert-Amyl methyl ether	100	100	ug/l	200	5K14041	11/14/05	11/14/05	EPA 8260B	
Benzene	7400	100	"	"	"	"	"	"	
tert-Butyl alcohol	ND	4000	"	"	"	"	"	"	
Di-isopropyl ether	ND	100	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	100	"	"	"	"	"	"	
1,2-Dichloroethane	ND	100	"	"	"	"	"	"	
Ethanol	ND	20000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	100	"	"	"	"	"	"	
Ethylbenzene	3300	100	"	"	"	"	"	"	
Methyl tert-butyl ether	3700	100	"	"	"	"	"	"	
Toluene	3700	100	"	"	"	"	"	"	
Xylenes (total)	10000	100	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	63000	10000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91 %*	*60-135*		"	"	"	"	
MW-4 (MOK0184-03) Water Sampled: 11/03/05 15:25 Received: 11/04/05 11:31									
tert-Amyl methyl ether	ND	500	ug/l	1000	5K14041	11/14/05	11/14/05	EPA 8260B	
Benzene	4700	500	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20000	"	"	"	"	"	"	
Di-isopropyl ether	ND	500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	500	"	"	"	"	"	"	
1,2-Dichloroethane	ND	500	"	"	"	"	"	"	
Ethanol	ND	100000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	500	"	"	"	"	"	"	
Ethylbenzene	10000	500	"	"	"	"	"	"	
Methyl tert-butyl ether	1500	500	"	"	"	"	"	"	
Toluene	11000	500	"	"	"	"	"	"	
Xylenes (total)	49000	500	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	490000	50000	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87 %*	*60-135*		"	"	"	"	

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0184
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (MOK0184-04) Water Sampled: 11/03/05 14:15 Received: 11/04/05 11:31									
tert-Amyl methyl ether	ND	1.0	ug/l	2	5K14041	11/14/05	11/15/05	EPA 8260B	
Benzene	ND	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**130**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	**1.0**	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**130**	100	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*80 %*	*60-135*		"	"	"	"	
MW-10 (MOK0184-05) Water Sampled: 11/03/05 14:35 Received: 11/04/05 11:31									
tert-Amyl methyl ether	ND	5.0	ug/l	10	5K15009	11/15/05	11/15/05	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	200	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**770**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	**7.0**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**800**	500	"	"	"	"	"	"	PV
Surrogate: 1,2-Dichloroethane-d4		*82 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EX-1 (MOK0184-06) Water Sampled: 11/03/05 15:50 Received: 11/04/05 11:31									
tert-Amyl methyl ether	**87**	25	ug/l	50	5K14041	11/14/05	11/15/05	EPA 8260B	
Benzene	**3200**	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	5000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	**550**	25	"	"	"	"	"	"	
Methyl tert-butyl ether	**3000**	25	"	"	"	"	"	"	
Toluene	**640**	25	"	"	"	"	"	"	
Xylenes (total)	**3300**	25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**22000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93 %*	*60-135*		"	"	"	"	
EX-2 (MOK0184-07) Water Sampled: 11/03/05 16:20 Received: 11/04/05 11:31									
tert-Amyl methyl ether	**0.80**	0.50	ug/l	1	5K14041	11/14/05	11/15/05	EPA 8260B	
Benzene	**0.50**	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**39**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.4**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*84 %*	*60-135*		"	"	"	"	

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1333 Broadway, Suite 800	Project Number:G07TK-0022	Reported:
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K14041 - EPA 5030B P/T / EPA 8260B										
Blank (5K14041-BLK1)				Prepared & Analyzed: 11/14/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.26*		"	*5.00*		*85*	*60-135*			
Laboratory Control Sample (5K14041-BS1)				Prepared & Analyzed: 11/14/05						
tert-Amyl methyl ether	15.3	0.50	ug/l	15.0		102	80-115			
Benzene	4.82	0.50	"	5.16		93	65-115			
tert-Butyl alcohol	160	20	"	143		112	75-150			
Di-isopropyl ether	14.6	0.50	"	15.1		97	75-125			
1,2-Dibromoethane (EDB)	16.1	0.50	"	14.9		108	85-120			
1,2-Dichloroethane	14.9	0.50	"	14.7		101	85-130			
Ethanol	173	100	"	142		122	70-135			
Ethyl tert-butyl ether	15.0	0.50	"	15.0		100	75-130			
Ethylbenzene	6.76	0.50	"	7.54		90	75-135			
Methyl tert-butyl ether	6.43	0.50	"	7.02		92	65-125			
Toluene	36.0	0.50	"	37.2		97	85-120			
Xylenes (total)	38.9	0.50	"	41.2		94	85-125			
Gasoline Range Organics (C4-C12)	479	50	"	440		109	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.57*		"	*5.00*		*91*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K14041 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5K14041-MS1)	**Source: MOK0182-01**			Prepared & Analyzed: 11/14/05						
tert-Amyl methyl ether	3970	120	ug/l	3760	85	103	80-115			
Benzene	15500	120	"	1290	15000	39	65-115			BB,LN
tert-Butyl alcohol	39200	5000	"	35800	960	107	75-120			
Di-isopropyl ether	3800	120	"	3780	ND	101	75-125			
1,2-Dibromoethane (EDB)	4200	120	"	3720	ND	113	85-120			
1,2-Dichloroethane	3880	120	"	3680	60	104	85-130			
Ethanol	37600	25000	"	35400	ND	106	70-135			
Ethyl tert-butyl ether	3910	120	"	3760	ND	104	75-130			
Ethylbenzene	3750	120	"	1880	2200	82	75-135			
Methyl tert-butyl ether	2080	120	"	1760	ND	118	65-125			
Toluene	13300	120	"	9300	4500	95	85-120			
Xylenes (total)	18400	120	"	10300	8600	95	85-125			
Gasoline Range Organics (C4-C12)	178000	12000	"	110000	59000	108	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.91*		"	*5.00*		*98*	*60-135*			
Matrix Spike Dup (5K14041-MSD1)	**Source: MOK0182-01**			Prepared & Analyzed: 11/14/05						
tert-Amyl methyl ether	4010	120	ug/l	3760	85	104	80-115	1	15	
Benzene	16200	120	"	1290	15000	93	65-115	4	20	
tert-Butyl alcohol	41900	5000	"	35800	960	114	75-120	7	25	
Di-isopropyl ether	3730	120	"	3780	ND	99	75-125	2	15	
1,2-Dibromoethane (EDB)	4340	120	"	3720	ND	117	85-120	3	15	
1,2-Dichloroethane	3860	120	"	3680	60	103	85-130	0.5	20	
Ethanol	50400	25000	"	35400	ND	142	70-135	29	35	LM
Ethyl tert-butyl ether	3840	120	"	3760	ND	102	75-130	2	25	
Ethylbenzene	3980	120	"	1880	2200	95	75-135	6	15	
Methyl tert-butyl ether	1960	120	"	1760	ND	111	65-125	6	20	
Toluene	13400	120	"	9300	4500	96	85-120	0.7	20	
Xylenes (total)	18600	120	"	10300	8600	97	85-125	1	20	
Gasoline Range Organics (C4-C12)	180000	12000	"	110000	59000	110	60-140	1	25	
Surrogate: 1,2-Dichloroethane-d4	*4.65*		"	*5.00*		*93*	*60-135*			

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1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K15009 - EPA 5030B P/T / EPA 8260B										
Blank (5K15009-BLK1)				Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	100	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.53*		"	*5.00*		*91*	*60-135*			
Laboratory Control Sample (5K15009-BS1)				Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	15.3	0.50	ug/l	15.0		102	80-115			
Benzene	5.00	0.50	"	5.16		97	65-115			
tert-Butyl alcohol	165	20	"	143		115	75-150			
Di-isopropyl ether	15.2	0.50	"	15.1		101	75-125			
1,2-Dibromoethane (EDB)	17.1	0.50	"	14.9		115	85-120			
1,2-Dichloroethane	15.5	0.50	"	14.7		105	85-130			
Ethanol	180	100	"	142		127	70-135			
Ethyl tert-butyl ether	15.1	0.50	"	15.0		101	75-130			
Ethylbenzene	7.18	0.50	"	7.54		95	75-135			
Methyl tert-butyl ether	7.17	0.50	"	7.02		102	65-125			
Toluene	36.5	0.50	"	37.2		98	85-120			
Xylenes (total)	42.5	0.50	"	41.2		103	85-125			
Gasoline Range Organics (C4-C12)	509	50	"	440		116	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.70*		"	*5.00*		*94*	*60-135*			

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URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0184
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5K15009 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (5K15009-MS1)	**Source: MOK0182-04**			Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	1600	50	ug/l	1500	33	104	80-115			
Benzene	7780	50	"	516	7400	74	65-115			
tert-Butyl alcohol	15500	2000	"	14300	ND	108	75-120			
Di-isopropyl ether	1490	50	"	1510	ND	99	75-125			
1,2-Dibromoethane (EDB)	1710	50	"	1490	ND	115	85-120			
1,2-Dichloroethane	1500	50	"	1470	19	101	85-130			
Ethanol	16300	10000	"	14200	1100	107	70-135			
Ethyl tert-butyl ether	1510	50	"	1500	ND	101	75-130			
Ethylbenzene	1960	50	"	754	1300	88	75-135			
Methyl tert-butyl ether	738	50	"	702	120	88	65-125			
Toluene	5930	50	"	3720	2500	92	85-120			
Xylenes (total)	10100	50	"	4120	7000	75	85-125			LN
Gasoline Range Organics (C4-C12)	89200	5000	"	44000	42000	107	60-140			
Surrogate: 1,2-Dichloroethane-d4	*4.97*		"	*5.00*		*99*	*60-135*			
Matrix Spike Dup (5K15009-MSD1)	**Source: MOK0182-04**			Prepared & Analyzed: 11/15/05						
tert-Amyl methyl ether	1650	50	ug/l	1500	33	108	80-115	3	15	
Benzene	8070	50	"	516	7400	130	65-115	4	20	BB,LM
tert-Butyl alcohol	16700	2000	"	14300	ND	117	75-120	7	25	
Di-isopropyl ether	1540	50	"	1510	ND	102	75-125	3	15	
1,2-Dibromoethane (EDB)	1750	50	"	1490	ND	117	85-120	2	15	
1,2-Dichloroethane	1540	50	"	1470	19	103	85-130	3	20	
Ethanol	18200	10000	"	14200	1100	120	70-135	11	35	
Ethyl tert-butyl ether	1560	50	"	1500	ND	104	75-130	3	25	
Ethylbenzene	2030	50	"	754	1300	97	75-135	4	15	
Methyl tert-butyl ether	774	50	"	702	120	93	65-125	5	20	
Toluene	6080	50	"	3720	2500	96	85-120	2	20	
Xylenes (total)	10400	50	"	4120	7000	83	85-125	3	20	LN
Gasoline Range Organics (C4-C12)	88600	5000	"	44000	42000	106	60-140	0.7	25	
Surrogate: 1,2-Dichloroethane-d4	*5.10*		"	*5.00*		*102*	*60-135*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project:BP Heritage #11117,Oakland, CA	MOK0184
1333 Broadway, Suite 800	Project Number:G07TK-0022	**Reported:**
Oakland CA, 94612	Project Manager:Lynelle Onishi	11/18/05 15:53

Notes and Definitions

PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
LN	MS and/or MSD below acceptance limits. See Blank Spike(LCS).
LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
BB,LN	Sample > 4x spike concentration.
BB,LM	Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Page 1 of 1

Project Name: Analytical for QMR sampling

BP BU/AR Region/Enfos Segment: BP > Americas > West Coast > Retail > WCBU > CA > Central > 11117 > HistoricalBL

State or Lead Regulatory Agency: California Regional Water Quality Control Board - San Fra

Requested Due Date (mm/dd/yy): 10 Day TAT

On-site Time: 1215	Temp: 69°
Off-site Time:	Temp:
Sky Conditions: clear	
Meteorological Events: none	
Wind Speed: 0	Direction: 0

Lab Name: Sequoia	BP/AR Facility No.: 11117	Consultant/Contractor: URS
Address: 885 Jarvis Drive	BP/AR Facility Address: 7210 Bancroft Ave., Oakland, CA 94605	Address: 1333 Broadway, Suite 800
Morgan Hill, CA 95037	Site Lat/Long: 37.766285 / -122.176	Oakland, CA 94612
Lab PM: Lisa Race / Jamshid Kekobad	California Global ID No.: T0600100201	Consultant/Contractor Project No.: 38487127
Tele/Fax: 408.782.8156 / 408.782.6308	Enfos Project No.: G07TK-0017	Consultant/Contractor PM: Lynelle Onishi
BP/AR PM Contact: Kyle Christie	Provision or RCOP: Provision	Tele/Fax: 510.874.1758 / 510.874.3268
Address: 4 Centerpointe Dr.	Phase/WBS: 04 - Mon/Remed by Natural Attenuation	Report Type & QC Level: Level 1 with EDF
La Palma, CA 90623	Sub Phase/Task: 03 - Analytical	E-mail EDD To: Donna_Cosper@urscorp.com
Tele/Fax: (714) 670-5303 / (714) 670-5195	Cost Element: 05 - Subcontracted Costs	Invoice to: Atlantic Richfield Company

Lab Bottle Order No: 11117

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO / BTEX (8260)	Requested Analysis: MTBE, TAME, ETBE, DIPE, TBA (8260)	Requested Analysis: EDB, 1,2-DCA (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	TB-11117-11032005	—	11/3/05		X		01	2				X		X	X	X	X	MOK 0184
2	+ MW-2	1500			X		02	3				X		X	X	X	X	"HOLD"
3	+ MW-4	1526			X		03	3				X		X	X	X	X	
4	+ MW-7	1415			X		04	3				X		X	X	X	X	
5	+ MW-10	1436			X		05	3				X		X	X	X	X	
6	+ EX-1	1550			X		06	3				X		X	X	X	X	
7	+ EX-2	1600	↓		X		07	3				X		X	X	X	X	
8																		
9																		
10																		

Sampler's Name: Mike Todd

Sampler's Company: Blaine Tech Services

Shipment Date:

Shipment Method:

Shipment Tracking No:

Special Instructions:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature] BTS	11/3/05	1807	[signature] (Sample Custodian)	11/3/05	1807
[signature] SAMPLE CUSTODIAN	11/4/05	901	[signature]	11/4/05	901
[signature]	11/4/05		[signature]	11/4/05	1831

Seals In Place Yes / No Temp Blank Yes ✓ No Cooler Temperature on Receipt 4.1 °C Trip Blank Yes ✓ No

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: URS 11117
REC. BY (PRINT): E. Fallin
WORKORDER: MOK0184

DATE REC'D AT LAB: 11/4/05
TIME REC'D AT LAB: 1131
DATE LOGGED IN: 11-4-05

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / (Absent)	01	A,B	TB-11117-110320 05	VOA (2)	HCl	—	W	11/3/05	
	Intact / Broken*	02	A-C	MW-2	VOA (3)					
2. Chain-of-Custody	(Present) / Absent*	03		MW-4						
3. Traffic Reports or Packing List:	Present / (Absent)	04		MW-7						
		05		MW-10						
4. Airbill:	Airbill / Sticker	06		EX-1						
	Present / (Absent)	07	↓	EX-2	↓	↓	↓	↓	↓	
5. Airbill #:										
6. Sample Labels:	(Present) / Absent									
7. Sample IDs:	(Listed) / Not Listed on Chain-of-Custody									
8. Sample Condition:	(Intact) / Broken* / Leaking*									
9. Does information on chain-of-custody, traffic reports and sample labels agree?	(Yes) / No*									
10. Sample received within hold time?	(Yes) / No*									
11. Adequate sample volume received?	(Yes) / No*									
12. Proper preservatives used?	(Yes) / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes)	(Yes) / No*									
14. Read Temp: 4.1 °C Corrected Temp: 4.1 °C Is corrected temp 4 +/-2°C? (Yes) / No**										

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF (ON ICE) or Problem COC

EBF 11/4/05

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.