Atlantic Richfield Company

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April 6, 2011

Re: Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report
Atlantic Richfield Company Service Station #601
712 Lewelling Boulevard, San Leandro, California
ACEH Case #RO0000309

"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,

Chuck Carmel
Environmental Business Manager

Attachment

SOIL & GROUNDWATER INVESTIGATION AND FIRST QUARTER 2011 MONITORING REPORT

Atlantic Richfield Company Service Station #601
712 Lewelling Boulevard, San Leandro California
ACEH Case #RO0000309

Prepared for:

Mr. Chuck Carmel
Environmental Business Manager
Atlantic Richfield Company
P.O. Box 1257
San Ramon, California 94583

Prepared by:

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

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April 6, 2011

Project No. 06-88-605

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BROADBENT & ASSOCIATES, INC
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April 6, 2011

Project No. 06-88-605

Atlantic Richfield Company
P.O. Box 1257
San Ramon, CA 94583
Submitted via ENFOS

Attn.: Mr. Chuck Carmel

Re: Soil & Groundwater Investigation Report and First Quarter 2011 Monitoring Report, Atlantic Richfield Company Service Station #601, 712 Lewelling Boulevard, San Leandro California; ACEH Case #RO0000309

Dear Mr. Carmel:

Broadbent & Associates, Inc. (BAI) is pleased to submit this *Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report* for Atlantic Richfield Company (a BP affiliated company) for ARCO Service Station No. 601 located at 712 Lewelling Boulevard in San Leandro, California (Site). This report presents a description of field activities conducted and results obtained from the advancement of four soil borings and subsequent collection of soil and grab-groundwater samples on March 8 and 9, 2011and First Quarter 2011 groundwater monitor well samples on February 18, 2011. This work was conducted in accordance with BAI's November 19, 2010 *Work Plan for Additional Soil and Groundwater Investigation*, as approved with additional comments by the Alameda County Environmental Health's (ACEH's) January 6, 2011 response letter.

Should you have questions or require additional information, please do not hesitate to contact me at (707) 455-7290.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Sparrowe

Thomas A. Sparrowe, P.G.
Senior Geologist

Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Electronic copy uploaded to GeoTracker

SOIL & GROUNDWATER INVESTIGATION AND
FIRST QUARTER 2011 MONITORING REPORT
Atlantic Richfield Company Station #601
712 Lewelling Boulevard, San Leandro, California
ACEH Case #RO0000309

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SOIL & GROUNDWATER INVESTIGATION AND
FIRST QUARTER 2011 MONITORING REPORT
Atlantic Richfield Company Station #601
712 Lewelling Boulevard, San Leandro, California
ACEH Case #RO0000309

1.0 INTRODUCTION

On behalf of the Atlantic Richfield Company, RM - a BP affiliated company, Broadbent & Associates, Inc. (BAI) has prepared this Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report for the Atlantic Richfield Company Station #601, located at 712 Lewelling Boulevard, San Leandro, California (Site). On November 19, 2010 BP submitted a Work Plan for *Additional Soil and Groundwater Investigation* to Alameda County Environmental Health (ACEH) to fill data gaps by characterizing soil and groundwater conditions in areas of the site that have not been assessed prior to conducting a Feasibility Study Pilot Test. This information was also necessary in order to provide a baseline of soil and groundwater conditions to evaluate the effectiveness of the proposed remediation methods that will be used for the Feasibility Study Pilot Tests. A copy of the ACEH letter approving the November 19, 2010 Work Plan is provided in Appendix A.

This report includes discussions on the Site background and previous environmental activities, regional and Site geology and hydrogeology, field activities performed, results of the investigation, conclusions and recommendations. Tables, drawings and appendices referenced within this report are provided following the conclusion of the document's text. Also presented in this report is a summary of groundwater monitoring conducted during the First Quarter 2011.

2.0 SITE BACKGROUND

The Site is currently an operational ARCO-branded service station located on the southwest corner of Lewelling Boulevard and Washington Avenue, southwest of Interstate 880, in a mixed commercial and residential area of San Leandro, California (Drawing 1). Improvements to the property include a convenience store building with two unused vehicle service bays, two pump islands northeast and northwest of the building with a total of eight dispensers under canopies. Concrete covers ground surfaces around the pump islands and over the UST complex, located in the southwestern portion of the Site. Asphalt covers the rest of the Site. Existing USTs consist of four 10,000-gallon double-wall USTs installed in 1990. There are currently nineteen groundwater monitor wells associated with the Site (Drawing 2). The groundwater flow direction is typically to the southwest. Numerous subsurface investigations have been conducted on and off-site since 1989.

A comprehensive Site history can be found within BAI's November 19, 2011 *Work Plan for Additional Soil and Groundwater Investigation*. Section 4.0 of this report details the most recent subsurface investigation field activities conducted as requested by ACEH.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report* (California Regional Water Quality Control Board – San Francisco Bay Region/SFRWQCB, June 1999), the Site is located within the San Leandro Sub-Area of the East Bay Plain of the San Francisco Basin. The San Leandro Sub-Area is primarily filled with alluvial fans, but unlike the Sub-Areas to the north, the Yerba Buena Mud extends west into the San Leandro Sub-Area. It has been proposed that a clay layer forms an extensive east-west aquitard across this basin. Historically there were municipal supply wells in this Sub-Area that produced from upper Alameda gravels. The San Leandro Sub-Area is distinct from the Niles Cone basin to the south, in that the alluvial fans are finer-grained and produce less groundwater.

Throughout most of the Alameda County portion of the East Bay Plain, from Hayward north to Albany, water level contours show that the general direction of groundwater flow is from east to west or from the Hayward Fault to the San Francisco Bay. Groundwater flow direction generally correlates to topography. Flow direction and velocity are also influenced by buried stream channels that are typically oriented in an east to west direction. In the southern end of the study area however, near the San Lorenzo Sub-Area, the direction of flow may not be this simple. According to information presented in *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report,* the small set of water level measurements available seemed to show that the groundwater in the upper aquifers may be flowing south, with the deeper aquifers, the Alameda Formation, moving north. The nearest natural drainage is San Lorenzo Creek, located approximately 600 feet south of the Site. San Lorenzo Creek flows generally east to west near the Site vicinity.

According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report*, the City of Oakland does not have "any plans to develop local groundwater resources for drinking water purposes, because of existing or potential saltwater intrusion, contamination, or poor or limited quantity." However, the California Regional Water Quality Control Board – San Francisco Bay Region's (SFRWQCB) Basin Plan denotes existing beneficial uses of municipal and domestic supply, industrial process supply, industrial service supply and agricultural supply for the East Bay Plain groundwater basin.

The Site is situated at an approximate elevation of 25 feet above mean sea level. The Site is relatively flat, but slopes slightly to the west, consistent with the local topography. Groundwater depth has varied across the Site and through time from approximately 4.46 to 10.66 feet (ft). Based on groundwater elevation data, the groundwater flow direction at the Site has varied predominately between southwest and east-southeast. Historically, the groundwater gradient at the Site has ranged from 0.001 to 0.053 feet per foot (ft/ft).

Based on soil borings logged at the Site since 1989, the shallow local water-bearing zone consists of one to three thin (0.5 to 5 feet) silty sand to clayey sand layers at depths ranging from 2 to 14 feet below ground (fbg) surface. These thin sandy layers are interbedded with unsaturated clay and silty clay layers. According to geologic cross-section and soil boring interpretations, these sandy layers appear to be discontinuous and appear to pinch out or bifurcate into multiple layers laterally over short distances. Below approximately 14 fbg, clay, silty clay and occasional sandy clay are continuous to a depth of 53 fbg.

4.0 FIELD ACTIVITIES PERFORMED

The purpose of this soil and groundwater investigation was to characterize conditions in the interior area of the Site that had not been investigated prior to conducting remediation pilot tests. On March 8 and 9, 2011, BAI oversaw Gregg Drilling, Inc. (Gregg) of Martinez, California advance four direct-push technology (DPT) borings (identified as SB-1 through SB-4) on the Site to evaluate potential residual petroleum hydrocarbon impacts to soil and groundwater. Soil samples were collected as each borehole was advanced. When first groundwater was encountered a grab-groundwater sample was collected from each borehole. This information was necessary to establish a baseline of soil and groundwater conditions prior to conducting Enhanced Bioremediation or DPE pilot testing and will assist in the evaluation of the proposed remediation methods. The soil boring locations from this investigation are shown on Drawing 2.

4.1 Preliminary Field Activities

Prior to initiating field activities, BAI obtained the necessary drilling permits from the Alameda County Public Works Agency (Appendix B), prepared a site health and safety plan specific to the work scope; and cleared the boring locations from conflicts with subsurface utilities. The utility clearance included notifying Underground Service Alert of the work a minimum of 48 hours prior to initiating the field investigation and securing the services of Cruz Brothers Locators of Scotts Valley, California, a private utility locating company to confirm the absence of underground utilities at the boring locations. Boreholes were physically cleared by Gregg to 6.5 fbg using an air knife rig on March 8, 2011, consistent with the safety protocols contained within the BAI Ground Disturbance Defined Practice.

4.2 Soil Boring Advancement and Sampling Activities

On March 9, 2011, BAI field personnel observed Gregg advance four soil borings (SB-1 through SB-4). Gregg utilized a DPT drill rig to advance the soil borings to a maximum depth of 12 fbg. Physical soil samples were collected at specific depths for laboratory analysis based on field observations and recommendations from ACEH. Soil boring logs are presented in Appendix B.

Soil boring SB-1 was advanced to a total depth of 12.0 fbg. Soil samples were collected from boring SB-1 at 3.0, 6.0 and 7.5 to 8.5 fbg. No obvious visual contamination (greenish-gray staining) was observed in the soil samples. Field screening with the photo-ionization detector (PID) showed readings as high as 197 between 6 and 12 fbg. Moist silty clay (CL) with a trace of fine sand was observed from the surface to approximately 8.0 fbg and sandy silt (ML) that increased in moisture content with depth was observed from approximately 8.0 to 9.5 fbg. Silty clay (CL) was observed from approximately 9.5 to 12.0 fbg. Groundwater was encountered at approximately 9.0 fbg. Only soil samples collected above first groundwater (8.5 fbg) were submitted for laboratory analysis.

Soil boring SB-2, was advanced to a total depth of 12.0 fbg and soil samples were collected from boring SB-2 at 3.0, 6.0 and 9.0-10.0 fbg. No obvious visual contamination (greenish-gray staining) was observed in the soil samples. Field screening with the PID showed readings as high as 263 ppm between 6 and 12 fbg. Slightly moist to moist silty clay (CL) with some fine

grained sand was observed from the surface to approximately 6.0 fbg. Moist sandy silt (ML) was observed from approximately 6.0 to 6.5 fbg and silty clay (CL) from approximately 6.5 to 7.0 fbg. Sandy silt (ML) was observed from approximately 7.0 to 8.0 fbg and silty clay (CL) from approximately 8.0 to 8.5 fbg; sandy silt (ML) was observed from approximately 8.5 to 11.0 fbg, and; silty clay (CL) from approximately 11.0 to 12.0 fbg. Groundwater was encountered at approximately 10.9 fbg. Only soil samples above first groundwater were submitted for laboratory analysis.

Soil boring SB-3 was advanced to a total depth of 12.0 fbg. Soil samples were collected from boring SB-3 at 3.0, 6.0 and 9.0 to 10.0 fbg. No obvious visual contamination (greenish-gray staining) was observed in the soil samples. Field screening with the PID showed readings as high as 201 ppm between 6 and 12 fbg. Slightly moist to moist silty clay (CL) with some fine sand was observed from the surface to approximately 6.0 fbg. Moist sandy silt (ML) was observed from approximately 6.0 to 8.5 fbg and silty clay (CL) from approximately 8.5 to 10.5 fbg. Sandy silt (ML) was observed from approximately 10.5 to 11.3 fbg and silty clay (CL) from approximately 11.3 to 12.0 fbg. Groundwater was encountered at approximately 10.5 fbg. Only soil samples collected above first groundwater were submitted for laboratory analysis.

Soil boring SB-4 was advanced to a total depth of 12.0 fbg. Soil samples were collected from boring SB-4 at 3.0, 6.0 and 9.0 to 10.0 fbg. No obvious visual contamination (greenish-gray staining) was observed in the soil samples. Field screening with the PID showed readings as high as 427 ppm between 6 and 12 fbg. Slightly moist to moist silty clay (CL) with trace fine sand was observed from the surface to approximately 10.0fbg. Wet sandy silt (ML) was observed from approximately 10.3 to 10.9 fbg and moist silty clay (CL) from approximately 10.9 to 12.0 fbg. Groundwater was encountered at approximately 10.3 fbg. Only soil samples collected above first groundwater were submitted for laboratory analysis.

4.3 Grab-Groundwater Sampling

On March 9, 2011 grab-groundwater samples were collected from each soil boring using temporary PVC with the well screen set from approximately 9.5 to 12 fbg prior to abandoning the boring. Groundwater samples were collected using disposable bailers.

4.4 Soil & Grab-Groundwater Investigation Laboratory Analysis

Soil and grab-groundwater samples collected during the investigation were shipped to Calscience Environmental Laboratories, Inc. (Garden Grove), a California State-certified laboratory, under chain-of-custody protocol. Samples were analyzed for Gasoline Range Organics (GRO), hydrocarbon chain lengths between C6-C12) by EPA Method 8015M; and for Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl Tert-Butyl Ether (MTBE), Ethyl Tert-Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Di-Isopropyl Ether (DIPE), Tert-Butyl Alcohol (TBA), 1,2-Dichloroethane (1,2-DCA), 1,2-Dibromoethane (EDB) and Ethanol using EPA Method 8260B. Soil and grab-groundwater sampling laboratory analytical report, including chain-of-custody documentation, is provided in Appendix B.

4.5 Investigation-Derived Residuals Management

Residual solids and liquids generated during the Site investigation activities were stored temporarily onsite in Department of Transportation-approved 55-gallon drums pending analytical results and profiling. On March 30, 2011, Belshire Environmental Services transported the investigation-derived residuals to an Atlantic Richfield Company-approved facility for disposal. Waste disposal manifests were not received in time for this report.

5.0 FIRST QUARTER 2011 GROUNDWATER MONITORING & SAMPLING

Monitoring activities at the site were performed in accordance with an agency directive issued by the Alameda County Environmental Health (ACEH). Details of work performed, discussion of results and recommendations are provided below.

Facility Name / Address:	ARCO Station #601 / 712 Lewelling Blvd., San Leandro, California
Client Project Manager / Title:	Mr. Chuck Carmel / Environmental Business Manager
BAI Contact:	Tom Sparrowe / Senior Geologist (707) 455-7290
BAI Project No.:	06-88-602
Primary Regulatory Agency / ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000309
Current phase of project:	Monitoring/Sampling/Feasibility Studies

5.1 WORK PERFORMED THIS QUARTER (First Quarter 2011):

1. Prepared and submitted *Fourth Quarter 2010 Status Report* (BAI, 01/05/2011).
2. Conducted on-site soil and groundwater investigation.
3. Conducted groundwater monitoring/sampling for First Quarter 2011. Work performed on February 18, 2011 by BAI.

5.2 WORK SCHEDULED FOR NEXT QUARTER (Second Quarter 2011):

1. Submit *Soil & Groundwater Investigation and First Quarter 2011 Monitoring Report* (contained herein).

5.3 ADDITIONAL WORK RECOMMENDED FOR NEXT QUARTER (Second Quarter 2011)

1. Preparation of a Feasibility Study Pilot Testing Work Plan

5.4 QUARTERLY MONITORING PLAN SUMMARY:

Groundwater level gauging:	MW-1 through MW-3 and MW-8 through MW-19	(Semi-Annually, 1Q & 3Q)
Groundwater sample collection:	MW-1, MW-3, MW-10, MW-16, MW-17 and MW-18	(Semi-Annually, 1Q & 3Q)
	MW-2, MW-8, MW-9, MW-14, MW-15 and MW-19	(Annually, 3Q)

5.5 QUARTERLY RESULTS SUMMARY:

LNAPL

LNAPL observed this quarter:	No	(yes\no)
LNAPL recovered this quarter:	None	(gal)
Cumulative LNAPL recovered:	None	(gal)

Groundwater Elevation and Gradient:

Depth to groundwater:	5.03 (MW-3) to 8.51 (MW-7)	(ft below TOC)
Gradient direction:	West-Northwest	(compass direction)
Gradient magnitude:	0.003	(ft/ft)
Average change in elevation:	0.8	(ft since last measurement)

5.6 ACTIVITIES CONDUCTED

On February 18, 2011, First Quarter 2011 groundwater monitoring and sampling was conducted at Station #601 by BAI personnel. Water levels were gauged in all 19 wells associated with the Site. No irregularities were encountered during water-level gauging. Concurrent monitoring and sampling was also conducted on February 18, 2011 at the nearby Former Shell Service Station #129460 by Conestoga-Rovers & Associates. Depth-to-water measurements in wells associated with Station #601 ranged from 5.03 feet (ft) at MW-3 to 8.51 ft at MW-7. Resulting groundwater surface elevations in wells associated with Station #601 ranged from 17.73 ft above datum in well MW-13 to 13.24 ft at well MW-15. Water level elevations in wells associated with Station #601 were between historic minimum and maximum ranges for each well, as summarized in Table 2. Water level elevations in wells associated with Station #601 were used to create groundwater elevation contours, resulting in a potentiometric groundwater flow direction and gradient to the west-northwest at approximately 0.003 ft/ft, consistent with historical data (see Table 4).

Water level elevations from the Former Shell Station #129460 were based on a survey referencing the older National Geodetic Vertical Datum of 1929 (NGVD29) and could not be used in conjunction with the water level elevations from Station #601 which reference the newer North American Vertical Datum of 1988 (NAVD88, the vertical datum preferred by AB2886 for use in GeoTracker). Groundwater monitoring field data sheets and sampling procedures are provided within Appendix C. Measured depths to groundwater and respective groundwater

elevations are summarized in Tables 2 and 3. Current and historic groundwater flow directions and gradients are provided in Table 4. Co-monitored data from the nearby Former Shell Station #129460 at 15275 Washington Avenue are provided in Appendix D. Potentiometric groundwater elevation contours are presented in Drawing 4.

5.7 First Quarter 2011 Laboratory Analysis

First Quarter 2011 groundwater samples were shipped to Calscience Environmental Laboratories, Inc. (Garden Grove), a California State-certified laboratory, under chain-of-custody protocol. Samples were analyzed for Gasoline Range Organics (GRO), hydrocarbon chain lengths between C6-C12) by EPA Method 8015M; and for Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX), Methyl Tert-Butyl Ether (MTBE), Ethyl Tert-Butyl Ether (ETBE), Tert-Amyl Methyl Ether (TAME), Di-Isopropyl Ether (DIPE), Tert-Butyl Alcohol (TBA), 1,2-Dichloroethane (1,2-DCA), 1,2-Dibromoethane (EDB) and Ethanol using EPA Method 8260B. The quarterly groundwater sample collected from well MW-1 was also analyzed for Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270C. Groundwater sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix C. Laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix E.

6.0 RESULTS OF INVESTIGATION

Soil laboratory analytical results and are summarized in Table 1 and Drawing 3 following conclusion of the report text. Grab-groundwater and First Quarter 2011 groundwater laboratory analytical results are summarized in Tables 2 and 3, and Drawing 4. Drawings 5, 6 and 7 respectively illustrate GRO, Benzene and MTBE iso-concentration contours for the First Quarter 2011 sampling event. Tabulated soil and groundwater sample laboratory analytical results are compared against the residential Environmental Screening Levels (ESLs) established by the San Francisco Regional Water Quality Control Board (SFRWQCB, 2008) for shallow soil (<3 meters) under drinking water resource and non-drinking water resource scenarios.

6.1 Soil Analytic Results

- Concentrations of GRO were detected above the laboratory reporting limits in 11 of the 12 soil samples collected, with concentrations up to 250 milligrams per kilogram (mg/kg) in boring SB-2 at 9.0 fbg.

- BTEX, MTBE, TBA, TAME, 1,2-DCA, EDB, DIPE, ETBE and Ethanol were not detected above their respective laboratory reporting limit for each sample.

6.2 Groundwater Analytic Results

6.2.1 Grab-Groundwater Samples

- Concentrations of GRO were detected above the laboratory reporting limit in all four grab-groundwater samples collected, with concentrations ranging from 9,400 micrograms per liter (µg/L) in SB-3 to 140,000 µg/L in SB-2.

- Concentrations of Benzene were detected above the laboratory reporting limit in three of the four grab-groundwater samples collected, with concentrations ranging from 2.5 µg/L in SB-3 to 380 µg/L in SB-2.

- Toluene was detected above the laboratory reporting limit in one of the four grab-groundwater samples collected at a concentration of 2.3 µg/L in SB-3.

- Concentrations of Ethylbenzene were detected above the laboratory reporting limit in all four grab-groundwater samples collected, with concentrations ranging from 1.9 µg/L in SB-3 to 130 µg/L in SB-2.

- Concentrations of Total Xylenes were detected above the laboratory reporting limit in one of the four grab-groundwater samples collected at a concentration of 3.4 µg/L in SB-3.

- Concentrations of MTBE were detected above the laboratory reporting limit in two of the four grab-groundwater samples collected, with concentrations ranging from 2.1 µg/L in SB-3 to 2.2 µg/L in SB-3.

- TBA was detected above the laboratory reporting limit in one of the four grab-groundwater samples collected at a concentration of 250 µg/L in SB-2.

Concentrations of TAME, 1,2-DCA, EDB, DIPE, ETBE and Ethanol were not detected above their respective laboratory reporting limits for each sample.

6.2.2 First Quarter 2011 Groundwater Samples

- GRO was detected above the laboratory reporting limits in five of the six wells sampled at concentrations up to 29,000 µg/L in well MW-3. Drawing

- Benzene was detected above the laboratory reporting limit in three of the six wells sampled at concentrations up to 58 µg/L in well MW-17.

- Toluene was detected above the laboratory reporting limit in one of the six wells sampled at concentrations up to 2.2 µg/L in MW-17.

- Ethylbenzene was detected above the laboratory reporting limit in four of the six wells sampled at concentrations up to 1,000 µg/L in MW-3.

- Total Xylenes were detected above the laboratory reporting limit in four of the six wells sampled at concentrations up to 2,800 µg/L in MW-3.

- MTBE was detected above the laboratory reporting limit in two of the six wells sampled at concentrations ranging from 1.7 µg/L in MW-10 to 3.8 µg/L in MW-18.

- TAME was only detected above the laboratory reporting limit in MW-18 at a concentration of 3.2 µg/L.

- The SVOCs Bis(2-Ethylhexyl) Phthalate, 2-Methylnaphthalene, 1-Methylnaphthalene and Naphthalene were detected above laboratory reporting limits in well MW-1 at concentrations of 31 µg/L, 230 µg/L, 150 µg/L and 200 µg/L, respectively.

The remaining analytes were not detected above their laboratory reporting limits in the six wells sampled this quarter.

7.0 CONCLUSIONS

On behalf of the Atlantic Richfield Company, BAI prepared this *On-Site Soil & Groundwater Investigation and First Quarter 2011Monitoring Report* for Station #601, located at 712 Lewelling Boulevard, San Leandro, California. Investigation activities were conducted in accordance with the BAI's November 19, 2011 *Work Plan for Additional Soil and Groundwater Investigation*, as approved with comments by the ACEH in their letter dated January 6, 2011. Based on the findings of this investigation, BAI concludes the following:

- The soil data strongly suggests that there is no local source of contamination in the area investigated and supports historical investigation data which has indicated that residual soil contamination associated with the Site is at depths generally greater than six feet bgs and downgradient (southwest) of the former UST complex area.

- Non-detectable to very low concentrations of GRO was encountered in the soil to a depth of approximately 8.5fbg in the investigation area. GRO concentrations in soil samples from SB-1, SB-2 and SB-3 increased at depth (within the capillary fringe, 7.5 to 10.0 fbg) around the existing USTs. The GRO concentrations are likely from a groundwater source and exceed the residential ESLs for shallow soil of 100 mg/kg where the groundwater is not a potential drinking water resource.

- Soil samples collected during this investigation did not contain any concentrations of BTEX or fuel oxygenates and the detections were below the residential ESLs for shallow soil where groundwater is a potential drinking water resource.

- Significant concentrations of GRO were detected in grab-groundwater samples collected from soil borings SB-1 (19,000 µg/L), SB-2 (140,000 µg/L), SB-3 (9,400 µg/L) and SB-4 (12,000 µg/L). Moderate Benzene and Ethylbenzene concentrations were detected in grab-groundwater samples from SB-1 and SB-2 and decreased in concentration with distance (SB-3 and SB-4) from the northwest pump islands. Each of these analytes exceeds the residential ESLs where groundwater is a potential drinking water resource and exceeds the residential ESLs where groundwater is not a potential drinking water resource.

- Comparison of analytical results of First Quarter 2011 groundwater sample data over the last 3Q10 sampling event indicates that GRO, Benzene and MTBE concentrations decreased in MW-1, MW-3, and MW-16 through MW-18. These fluctuations are likely related to seasonal changes in groundwater elevation.

- GRO concentrations in MW-1, MW-16, and MW-17 exceed the residential ESLs where groundwater is a potential drinking water resource and exceeds the residential ESLs where groundwater is not a potential drinking water resource.

- Review of historical groundwater gradient data indicates that the gradient measured during First Quarter 2011 monitoring is consistent with predominant measurements observed historically at the site. During First Quarter 2011, groundwater elevations decreased an average of 0.37 feet across the site relative to measurements collected during Third Quarter 2010.

- Review of biodegradation indicator parameter results indicates that temperature and pH measured during First Quarter 2011 monitoring were in the range conducive for biodegradation to take place.

- Toluene, Total Xylenes and fuel oxygenates were either no-detectable or at very low concentrations that are below the residential ESLs where groundwater is a potential drinking water resource.

8.0 RECOMMENDATIONS

Based on the results obtained during this recent soil and groundwater investigation and previous investigations, BAI recommends the following:

- Reviewing the results of this investigation with BP's Remediation Management Group to schedule a Dual-Phase Extraction Pilot Test and/or Enhanced Bioremediation Pilot Test and, in turn, to determine the most appropriate remedial technology for Station #601. A formal Corrective Action Plan would then be presented following evaluation of pilot test data.

- Moderate to elevated hydrocarbon concentrations in groundwater are present along Lewelling Boulevard in the northwestern portion of the property and the general location

of borings SB-1 through SB-4 in the central portion of the property. Future pilot testing and remedial efforts will likely be focused on these areas of the property.

9.0 PROPOSED SCHEDULE

The schedule for the above-recommended work shall proceed as follows:

- FS Pilot Test Work Plan– Within 60 days following written approval of this recommendation.

10.0 CLOSURE

This document has been prepared for the exclusive use of Atlantic Richfield Company (a BP affiliated company). The findings presented in this report are based upon the observations of BAI field personnel, points of investigation and results of laboratory tests performed by Calscience Environmental Laboratories, Inc. (Garden Grove, California). Services were performed in accordance with the generally accepted standard of practice at the time this report was written. No warranty, expressed or implied, is intended. It is possible that variations in the soil or groundwater conditions could exist beyond the points explored in this investigation. Also, changes in site conditions could occur at some time in the future due to variations in rainfall, temperature, regional water usage or other factors.

11.0 REFERENCES

ACEH, January 6, 2011. *Feasibility Study Pilot Test for Fuel Leak Case No. RO 0000309 and GeoTracker Global ID T0600100108, ARCO #0601, 712 Lewelling Boulevard, San Leandro, CA 94579*. Letter from Mr. Paresh Khatri (ACEH) to Mr. Charles Carmel (Atlantic Richfield Company) requesting a revised work plan with technical comments.

BAI, November 19, 2010. *Work Plan for Additional Soil & Groundwater Investigation, Atlantic Richfield Company Service Station #601, 712 Lewelling Boulevard, San Leandro, CA 94579. ACEH Case #RO0000309.*

BAI, October 5, 2010. *Third Quarter 2010 Groundwater Monitoring Report, Atlantic Richfield Company Service Station #601, 712 Lewelling Boulevard, San Leandro, CA 94579. ACEH Case #RO0000309.*

SFRWQCB, Groundwater Committee, June 1999. *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda County and Contra Costa Counties, CA.*

SFRWQCB, May 2008. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater.* Interim final.

DRAWINGS

N

0 2000 4000

APPROXIMATE SCALE (ft)

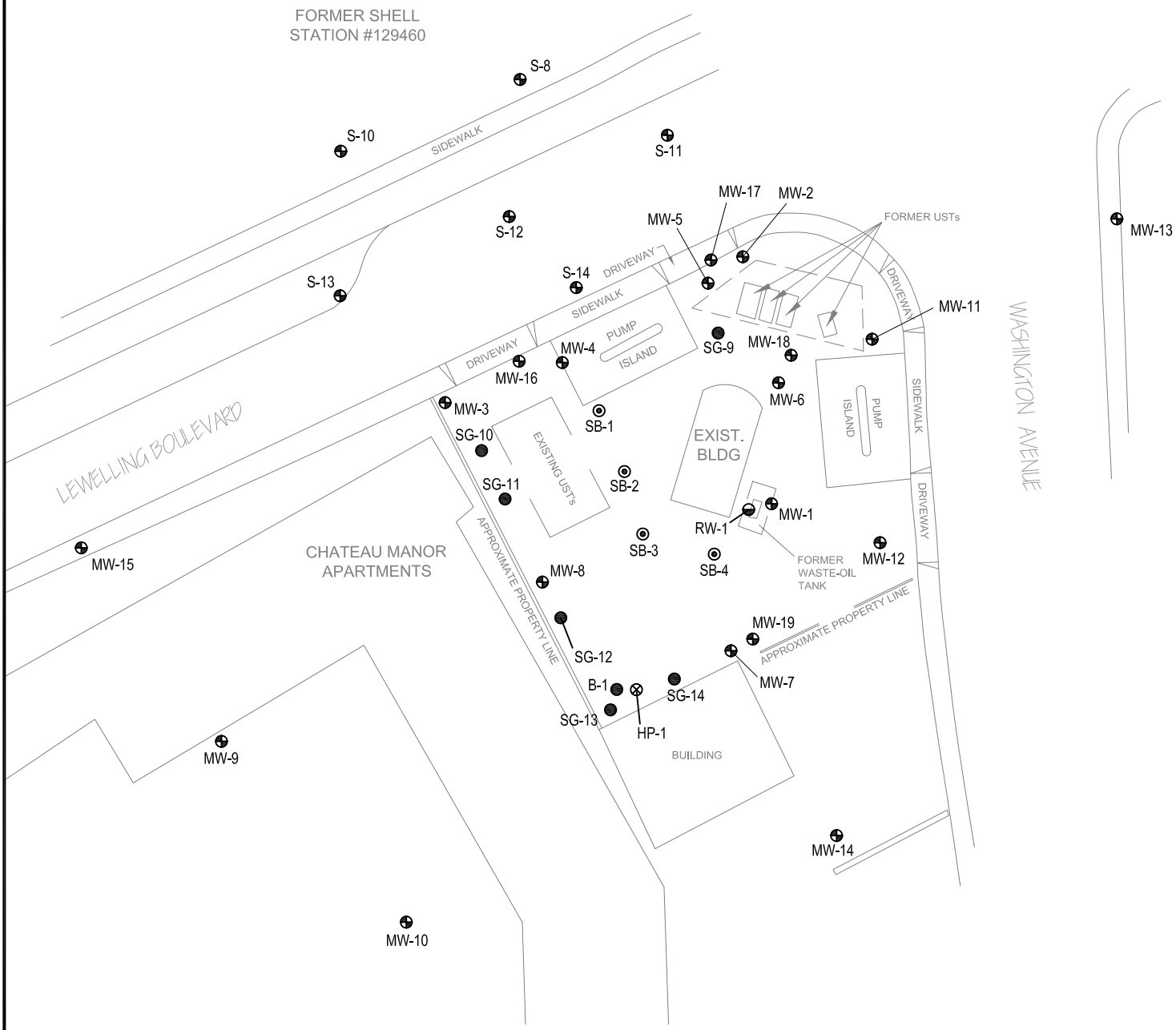
IMAGE SOURCE: USGS

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, CA 95926
Project No.: 06-88-605 Date: 07/31/09

Station #601
712 Lewelling Boulevard
San Leandro, California

Site Location Map

Drawing
1



LEGEND

- Monitor Well Location
- Soil-Gas Boring/Temporary Vapor Implant Location
- Soil Vapor Extraction Well Location
- Hydropunch Location
- Soil Boring Location

N

0 60 120

SCALE (ft)

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

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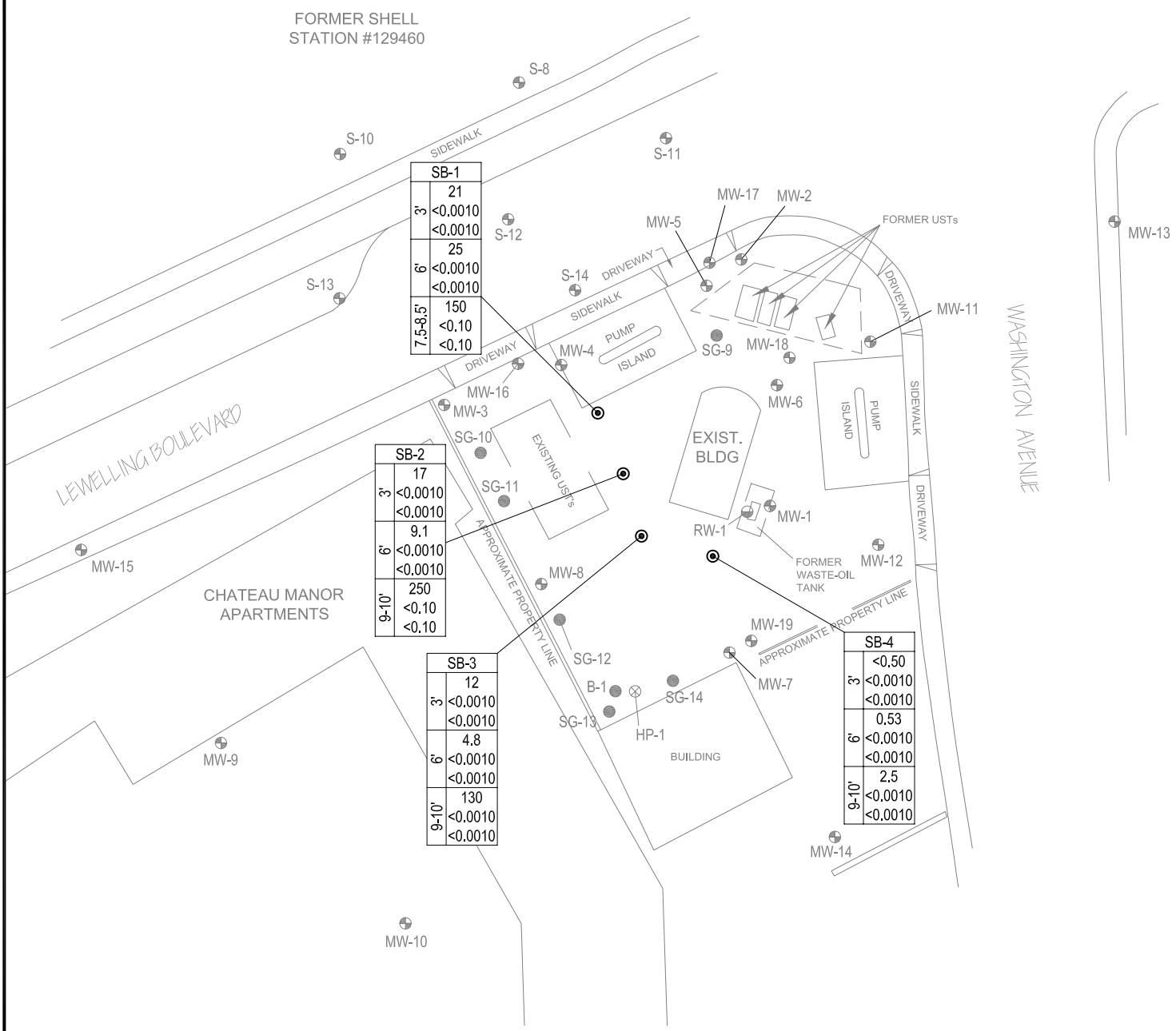
Project No.: 06-88-605 Date: 3/23/2011

Station #601
712 Lewelling Boulevard
San Leandro, California

Site Map with Soil Boring Locations

Drawing 2



LEGEND

- Monitor Well Location
- Soil-Gas Boring/Temporary Vapor Implant Location
- Soil Vapor Extraction Well Location
- Hydropunch Location
- Soil Boring Location

BORING — Boring Designation

DEPTH' / GRO / BZ / MTBE — GRO, Benzene, and MTBE Concentrations (mg/Kg)

N

0 60 120

SCALE (ft)

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

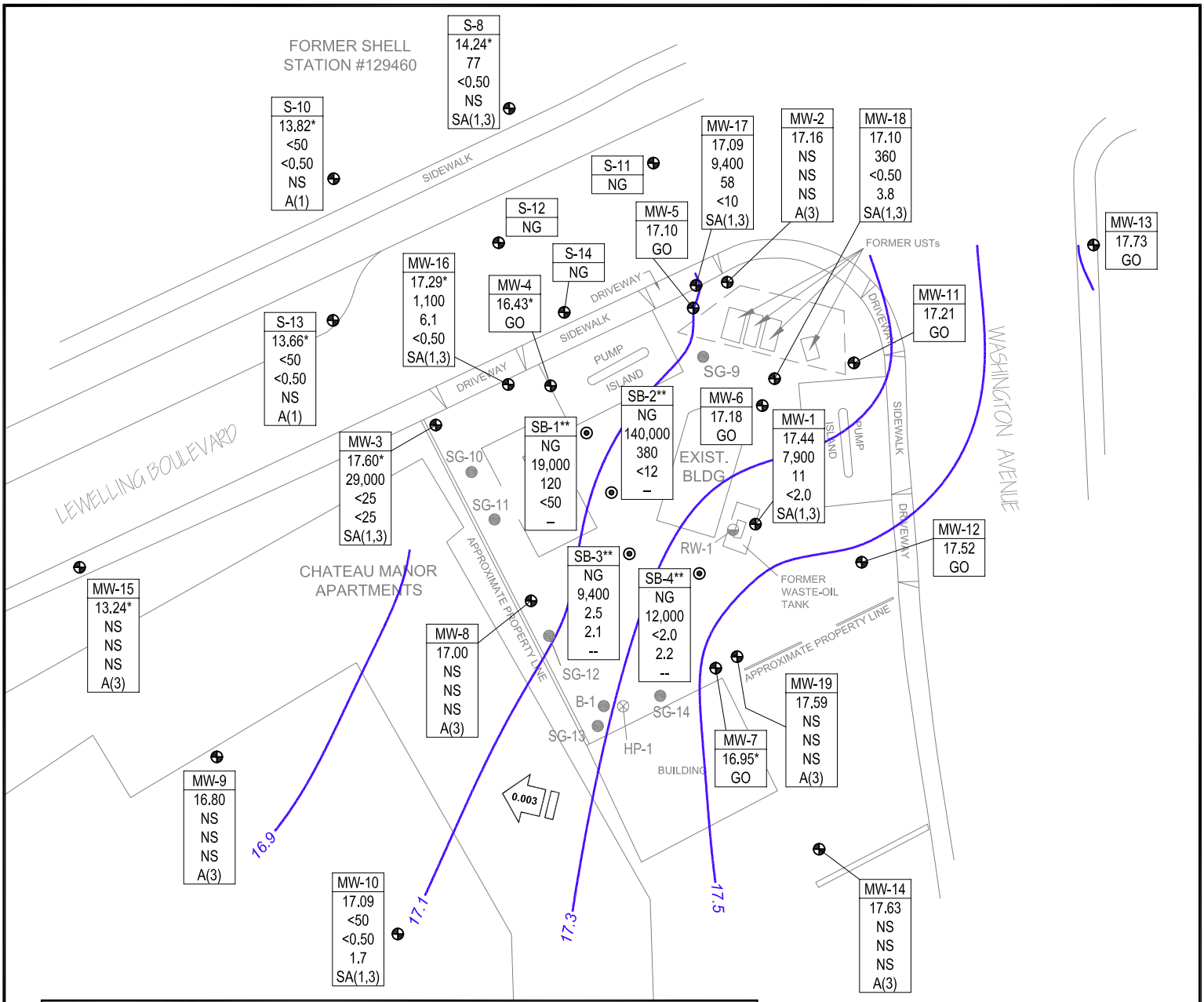
BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California

Project No.: 06-88-605 Date: 4/1/2011

Station #601
712 Lewelling Boulevard
San Leandro, California

Soil Analytical Summary Map
March 8 and 9, 2011

Drawing 3



LEGEND

- Monitor Well Location
- Soil-Gas Boring/Temporary Vapor Implant Location
- Soil Vapor Extraction Well Location
- Hydropunch Location
- Grab-Groundwater Sample Location
- Groundwater Elevation Contour (Feet Above Site Datum)
- 0.003 — Groundwater Flow Direction and Gradient (ft/ft)
- * — Elevation Not Used in Contouring
- ** — Sampled on 3/9/2011

WELL	Well Designation
ELEV	Groundwater Elevation (ft)
GRO BZ MTBE	GRO, Benzene, and MTBE Concentrations (µg/L)
A/SA	Sampling Frequency
A(1)	Sampled Annually, 1st Quarter
A(3)	Sampled Annually, 3rd Quarter
SA(1,3)	Sampled Semi-Annually, 1st and 3rd Quarter
GO/NG	Gauge Only/Not Gauged
NM/NS	Not Monitored/Not Sampled

N

0 60 120

SCALE (ft)

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

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ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
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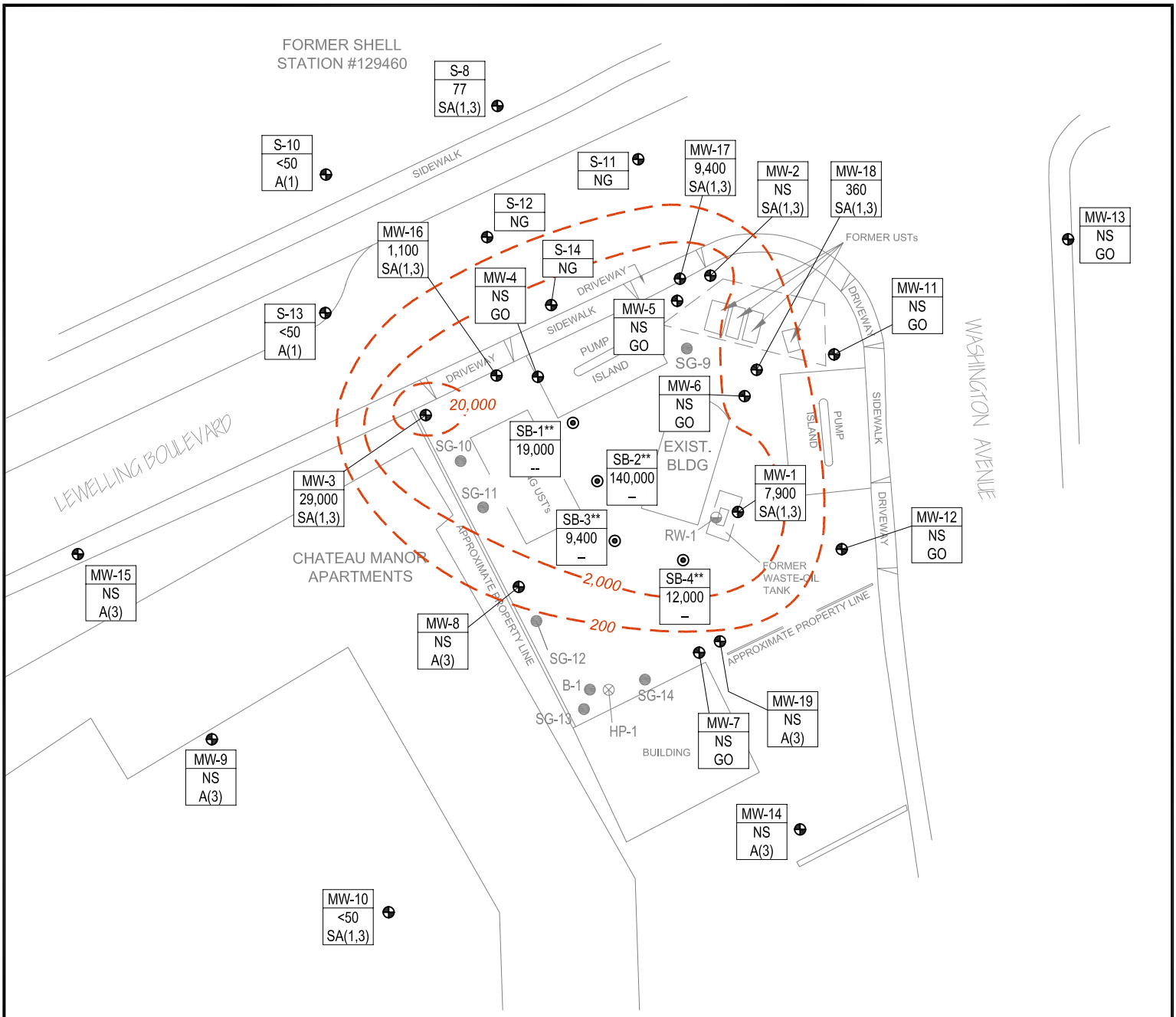
Project No.: 06-88-605 Date: 4/1/2011

Station #601
712 Lewelling Boulevard
San Leandro, California

Groundwater Elevation Contours and Analytical Summary Map
February 18, 2011

Drawing
4



LEGEND

- Monitor Well Location
- Soil-Gas Boring/Temporary Vapor Implant Location
- Soil Vapor Extraction Well Location
- Hydropunch Location
- Grab-Groundwater Sample Location
- GRO Isoconcentration (µg/L)
- ** Sampled on 3/9/2011, Not Used in Contouring

WELLID	Well Designation
GRO	GRO Concentration (µg/L)
A/SA	Sampling Frequency
A(1)	Sampled Annually, 1st Quarter
A(3)	Sampled Annually, 3rd Quarter
SA(1,3)	Sampled Semi-Annually, 1st and 3rd Quarter
GO/NG	Gauge Only/Not Gauged
NS	Not Sampled

N

0 60 120

SCALE (ft)

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

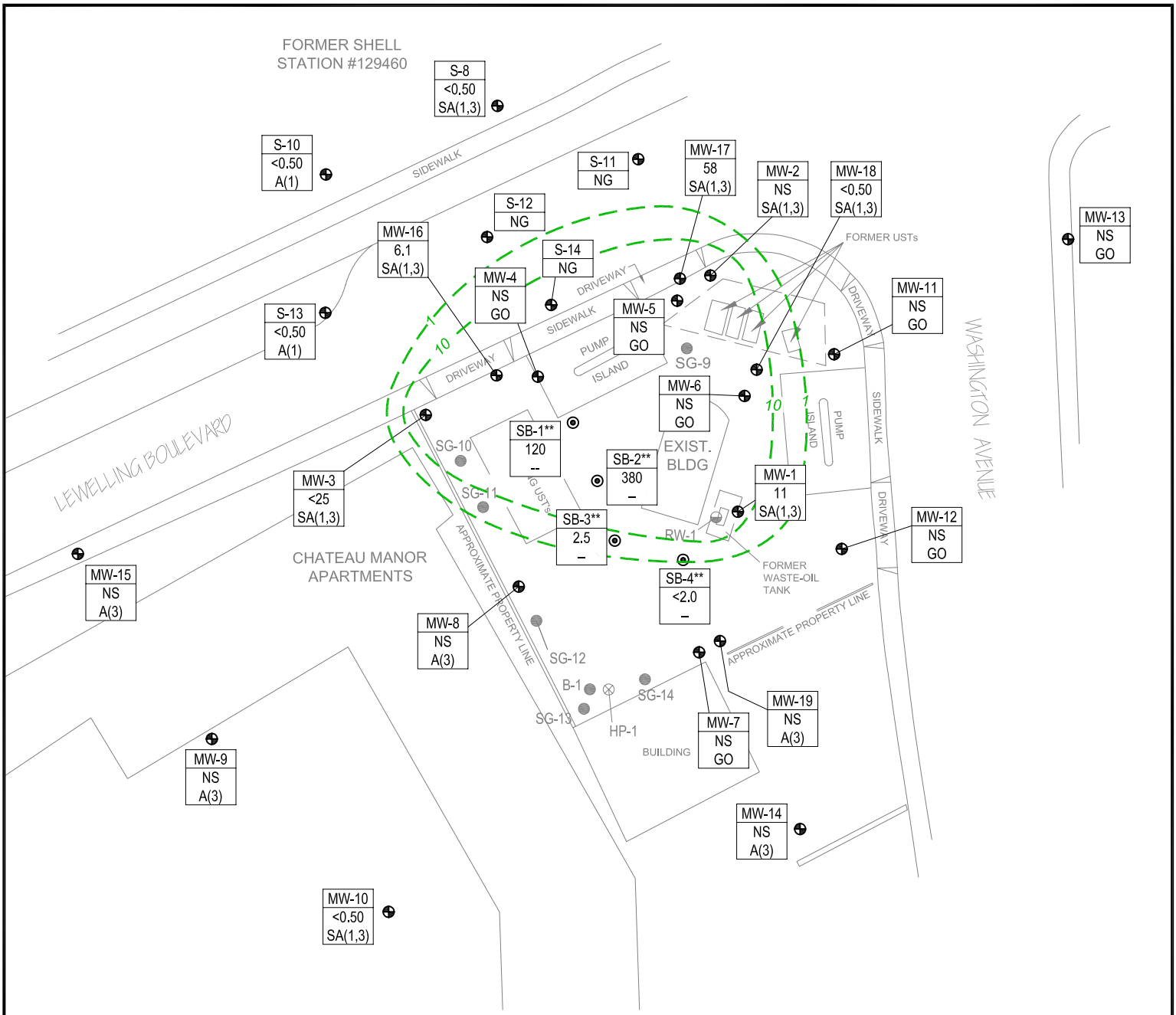
BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California

Project No.: 06-88-605 Date: 4/1/2011

Station #601
712 Lewelling Boulevard
San Leandro, California

GRO Isoconcentration Contour Map
February 18, 2011

Drawing 5



LEGEND

Monitor Well Location	WELLID – Well Designation
Soil-Gas Boring/Temporary Vapor Implant Location	BZ – Benzene Concentration (µg/L)
Soil Vapor Extraction Well Location	A/SA – Sampling Frequency
Hydropunch Location	A(1) Sampled Annually, 1st Quarter
Grab-Groundwater Sample Location	A(3) Sampled Annually, 3rd Quarter
Benzene Isoconcentration (µg/L)	SA(1,3) Sampled Semi-Annually, 1st and 3rd Quarter
** Sampled on 3/9/2011, Not Used in Contouring	GO/NG Gauge Only/Not Gauged
	NS Not Sampled

N

0 60 120

SCALE (ft)

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

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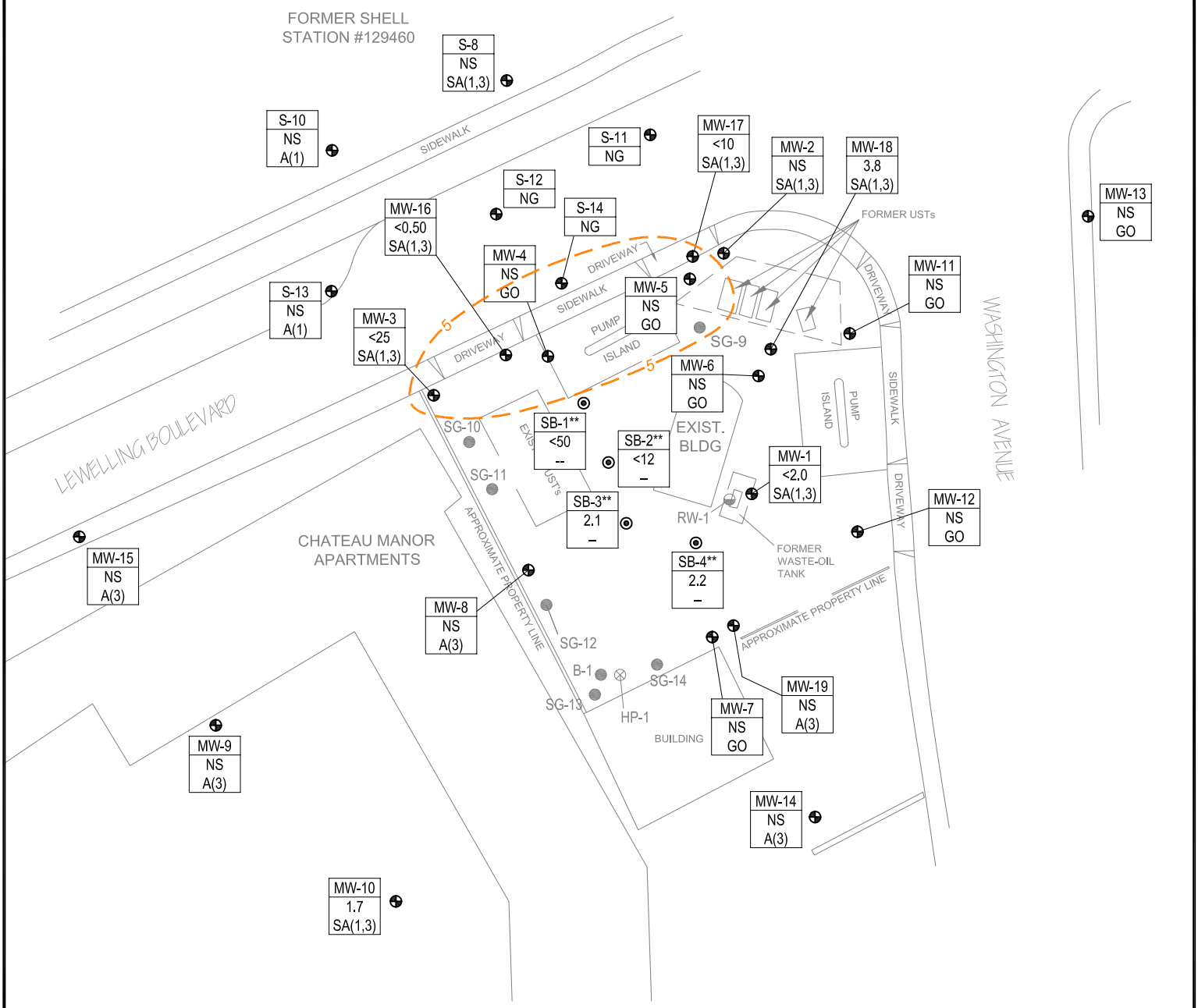
Project No.: 06-88-605 Date: 4/1/2011

Station #601
712 Lewelling Boulevard
San Leandro, California

Benzene Isoconcentration Contour Map
February 18, 2011

Drawing
6



LEGEND

- Monitor Well Location
- Soil-Gas Boring/Temporary Vapor Implant Location
- Soil Vapor Extraction Well Location
- Hydropunch Location
- Grab-Groundwater Sample Location
- MTBE Isoconcentration (µg/L)
- ** Sampled on 3/9/2011, Not Used in Contouring

WELLID – Well Designation
MTBE – MTBE Concentration (µg/L)
A/SA – Sampling Frequency

A(1)	Sampled Annually, 1st Quarter
A(3)	Sampled Annually, 3rd Quarter
SA(1,3)	Sampled Semi-Annually, 1st and 3rd Quarter
GO/NG	Gauge Only/Not Gauged
NS	Not Sampled

N

0 60 120

SCALE (ft)

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

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California

Project No.: 06-88-605 Date: 4/1/2011

Station #601
712 Lewelling Boulevard
San Leandro, California

MTBE Isoconcentration Contour Map
February 18, 2011

Drawing
7

TABLES

Table 1. Summary of Soil Sample Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Boring and Sample Date	Sample ID	Sample Depth (feet)	Concentrations in (mg/Kg)													Footnote
			GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Ethanol	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW			83	0.044	2.9	2.3	2.3	0.023	NE	0.075	NE	NE	NE	0.0045	0.0033	
ESL - NDW			100	0.12	9.3	2.3	11	8.4	NE	100	NE	NE	NE	0.22	0.019	
SB-1																
3/8/2011	SB-1-3.0	3.00	21	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/8/2011	SB-1-6.0	6.00	25	<0.0010	<0.0010	0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/9/2011	SB-1-7.5-8.5	7.50	***150***	*<0.10*	<0.10	<0.10	<0.10	*<0.10*	<10	*<1.0*	<0.20	<0.20	<0.20	*<0.10*	***<0.10***	a (GRO)
SB-2																
3/8/2011	SB-2-3.0	3.00	17	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/8/2011	SB-2-6.0	6.00	9.1	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/9/2011	SB-2-9.0-10.0	9.00	***250***	*<0.10*	<0.10	<0.10	<0.10	*<0.10*	<10	*<1.0*	<0.20	<0.20	<0.20	*<0.10*	***<0.10***	a (GRO)
SB-3																
3/8/2011	SB-3-3.0	3.00	12	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/8/2011	SB-3-6.0	6.00	4.8	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/9/2011	SB-3-9.0-10.0	9.00	***130***	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
SB-4																
3/8/2011	SB-4-3.0	3.00	<0.50	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	
3/8/2011	SB-4-6.0	6.00	0.53	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)
3/9/2011	SB-4-9.0-10.0	9.00	2.5	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.10	<0.010	<0.0020	<0.0020	<0.0020	<0.0010	<0.0010	a (GRO)

SYMBOLS AND ABBREVIATIONS:
< = Not detected at or above specified laboratory reporting limit
GRO = Gasoline range organics
MTBE = Methyl tert-butyl ether
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
mg/kg = Milligrams per Kilogram

ESL - DW = Environmental Screning Levels (ESLs), shallow soils (<3 meters bgs), groundwater is a current or potential source of drinking water, for residential land use. Ref. California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB-SFBR), Screening for Environmental Concerns at Sites with Contaminated Soil & Groundwater, Interim Final-November 2007 (Revised May 2008).

ESL - NDW = Environmental Screning Levels (ESLs), shallow soils (<3 meters bgs), groundwater is NOT a current or potential source of drinking water, for residential land use. Ref. California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB-SFBR), Screening for Environmental Concerns at Sites with Contaminated Soil & Groundwater, Interim Final-November 2007 (Revised May 2008).

NE = ESL not established

FOOTNOTES:
a = Quantitated against gasoline.

NOTES:
GRO (C6-C12) analyzed using EPA method 8015B.
Benzene, toluene, ethylbenzene, total xylenes, MTBE, ethanol and TBA analyzed using EPA method 8260B.

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-1																
1/9/1991	--	22.98	7.00	12.00	9.47	13.51	--	--	--	--	--	--	--	--	--	i, l
4/16/1991	--	22.98	7.00	12.00	6.12	16.86	--	--	--	--	--	--	--	--	--	a
6/10/1991	--	22.26	7.00	12.00	9.00	13.26	--	--	--	--	--	--	--	--	--	a
10/10/1991	--	22.26	7.00	12.00	9.73	12.53	--	--	--	--	--	--	--	--	--	i, l
3/23/1992	--	22.26	7.00	12.00	7.40	14.86	--	--	--	--	--	--	--	--	--	a
6/8/1992	--	22.26	7.00	12.00	9.08	13.18	--	--	--	--	--	--	--	--	--	i, l
9/15/1992	--	22.26	7.00	12.00	9.18	13.08	--	--	--	--	--	--	--	--	--	l
11/16/1992	--	22.26	7.00	12.00	9.09	13.17	--	--	--	--	--	--	--	--	--	i, l
2/16/1993	--	22.26	7.00	12.00	7.03	15.23	--	--	--	--	--	--	--	--	--	i, l
5/13/1993	--	22.26	7.00	12.00	8.08	14.18	--	--	--	--	--	--	--	--	--	i, l
8/17/1993	--	22.26	7.00	12.00	8.81	13.45	--	--	--	--	--	--	--	--	--	i, l
11/8/1993	--	22.26	7.00	12.00	9.22	13.04	--	--	--	--	--	--	--	--	--	i, l
2/14/1994	--	22.26	7.00	12.00	7.72	14.54	--	--	--	--	--	--	--	--	--	a
5/5/1994	--	22.26	7.00	12.00	8.47	13.79	--	--	--	--	--	--	--	--	--	a
8/4/1994	--	22.26	7.00	12.00	8.72	13.54	--	--	--	--	--	--	--	--	--	a
11/20/1994	--	22.26	7.00	12.00	7.81	14.45	--	--	--	--	--	--	--	--	--	a
3/17/1995	--	22.26	7.00	12.00	6.57	15.69	***120,000***	***5,300***	***370***	***1,500***	***13,000***	--	--	--	--	
6/1/1995	--	22.26	7.00	12.00	7.87	14.39	***250,000***	***7,100***	***950***	***3,500***	***21,000***	--	--	--	--	
8/31/1995	--	22.26	7.00	12.00	8.12	14.14	--	--	--	--	--	--	--	--	--	i, l
11/27/1995	--	22.26	7.00	12.00	8.42	13.84	***310,000***	***4,600***	***770***	***5,700***	***21,000***	--	--	--	--	
2/22/1996	--	22.26	7.00	12.00	6.01	16.25	***100,000***	***6,200***	***320***	***2,500***	***12,000***	*<1,000*	--	--	--	j
5/20/1996	--	22.26	7.00	12.00	7.03	15.23	***340,000***	***6,600***	***240***	***4,500***	***22,000***	*<1,000*	--	--	--	
8/26/1996	--	22.26	7.00	12.00	8.16	14.10	***210,000***	***7,900***	***320***	***3,400***	***15,000***	*<1,000*	--	--	--	
11/20/1996	--	22.26	7.00	12.00	7.84	14.42	***62,000***	***5,900***	*77*	***2,000***	***7,700***	*<300*	--	--	--	
3/24/1997	--	19.19	7.00	12.00	8.05	11.14	***170,000***	***6,500***	***<200***	***2,400***	***9,900***	*<1,000*	--	--	--	
5/23/1997	--	19.19	7.00	12.00	8.42	10.77	***83,000***	***6,200***	*84*	***2,500***	***9,000***	*<300*	--	--	--	
8/19/1997	--	19.19	7.00	12.00	8.65	10.54	***83,000***	***4,500***	*<100*	***2,200***	***8,100***	*<600*	--	--	--	
11/19/1997	--	19.19	7.00	12.00	8.54	10.65	***250,000***	***4,400***	***<500***	***3,800***	***9,900***	***<3,000***	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-1 Cont.																
2/19/1998	--	19.19	7.00	12.00	5.57	13.62	***74,000***	***2,500***	*120*	***2,200***	***4,100***	*<300*	--	--	--	
4/23/1998	--	19.19	7.00	12.00	6.92	12.27	***210,000***	***2,700***	***<500***	***4,200***	***8,300***	***<3,000***	--	1.5	--	
7/27/1998	--	19.19	7.00	12.00	8.14	11.05	***73,000***	***2,100***	*88*	***2,600***	***4,600***	*<300*	--	1.0	--	
10/14/1998	--	19.19	7.00	12.00	8.58	10.61	***47,000***	***2,900***	***<500***	***2,300***	***3,900***	*<300*	--	1.5	--	
1/21/1999	--	19.19	7.00	12.00	7.48	11.71	***45,000***	***1,400***	*64*	***2,100***	***2,400***	*<300*	--	1.0	--	
5/6/1999	--	19.19	7.00	12.00	8.00	11.19	***41,000***	***1,900***	<20	***2,800***	***3,400***	*<120*	--	0.85	--	
8/23/1999	--	19.19	7.00	12.00	8.56	10.63	***26,000***	***1,700***	*52*	***1,600***	***1,500***	*<75*	--	0.72	--	
10/28/1999	--	19.19	7.00	12.00	8.92	10.27	***38,000***	***2,500***	35	***2,400***	***2,500***	*<200*	--	0.7	--	
2/4/2000	--	19.19	7.00	12.00	8.48	10.71	***19,000***	***960***	13	***1,200***	***860***	*<60*	--	2.11	--	
6/20/2000	--	19.19	7.00	12.00	8.20	10.99	***23,000***	***2,400***	*50*	***1,800***	***680***	*<200*	--	--	--	
9/29/2000	--	19.19	7.00	12.00	8.55	10.64	***23,600***	***2,880***	*<50*	***2,130***	***871***	*<250*	--	--	--	
12/17/2000	--	19.19	7.00	12.00	8.28	10.91	***21,600***	***1,980***	*<50*	***1,610***	***664***	*<250*	--	--	--	
3/28/2001	--	19.19	7.00	12.00	8.13	11.06	***19,800***	***2,310***	*<100*	***2,010***	***517***	*<500*	--	--	--	
6/20/2001	--	19.19	7.00	12.00	8.60	10.59	***17,000***	***2,200***	23	***1,800***	***320***	*100*	--	--	--	
9/22/2001	--	19.19	7.00	12.00	9.03	10.16	***20,000***	***2,900***	***<200***	***2,500***	***270***	*<1000*	--	--	--	
12/27/2001	--	19.19	7.00	12.00	7.93	11.26	***15,000***	***2,000***	*<50*	***1,700***	***140***	*290*	--	--	--	
3/15/2002	--	19.19	7.00	12.00	7.89	11.30	***12,000***	***1,800***	*<50*	***1,400***	*79*	*<250*	--	--	--	
4/18/2002	--	19.19	7.00	12.00	7.05	12.14	***16,000***	***3,000***	***180***	***2,600***	***320***	*<250*	--	1.26	--	
7/23/2002	NP	19.19	7.00	12.00	8.70	10.49	***14,000***	***3,200***	*<50*	***2,100***	*<50*	*<250*	--	0.9	6.8	e
10/16/2002	NP	19.19	7.00	12.00	9.12	10.07	***14,000***	***2,100***	<25	***2,000***	*31*	*<120*	--	0.8	7.1	d
1/23/2003	NP	19.19	7.00	12.00	7.45	11.74	***6,000***	***680***	*<50*	***800***	*<50*	*<50*	--	0.9	6.8	g
4/7/2003	--	19.19	7.00	12.00	7.68	11.51	***6,400***	***940***	6.6	***810***	11	*69*	--	1.1	6.9	
8/7/2003	--	19.19	7.00	12.00	8.75	10.44	***12,000***	***1,500***	27	***1,700***	*42*	*160*	--	--	6.4	a, k
10/23/2003	NP	19.19	7.00	12.00	8.96	10.23	***14,000***	***1,700***	<25	***1,600***	*<25*	*220*	1470	--	--	a
01/12/2004	P	19.19	7.00	12.00	7.99	11.20	***8,800***	***1,100***	<25	***980***	*<25*	*140*	1392	0.2	7.2	
04/20/2004	NP	24.78	7.00	12.00	8.87	15.91	***12,000***	***1,600***	<25	***920***	*36*	*84*	1780	1.5	6.6	a, r
07/01/2004	NP	24.78	7.00	12.00	9.31	15.47	***9,700***	***830***	<10	***580***	11	*100*	886	0.8	6.7	a
11/04/2004	NP	24.78	7.00	12.00	8.12	16.66	***7,800***	***650***	<5.0	***300***	12	*130*	1368	1.2	6.7	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-1 Cont.																
01/10/2005	NP	24.78	7.00	12.00	7.06	17.72	***6,000***	***280***	<5.0	***130***	12	*12*	1280	1.05	6.9	
04/14/2005	NP	24.78	7.00	12.00	7.20	17.58	***4,500***	***160***	<5.0	***320***	17	<5.0	--	2.1	7.0	
04/20/2005	NP	24.78	7.00	12.00	7.05	17.73	--	--	--	--	--	--	630	--	6.6	q
08/02/2005	NP	24.78	7.00	12.00	7.39	17.39	***4,700***	***210***	<5.0	***210***	11	*15*	1180	--	6.8	
10/21/2005	NP	24.78	7.00	12.00	8.31	16.47	***9,700***	***600***	5.5	***210***	11	*64*	1500	1.45	6.8	
01/04/2006	NP	24.78	7.00	12.00	7.10	17.68	***5,000***	***240***	5.2	***120***	18	<5.0	939	0.97	7.2	
04/28/2006	P	24.78	7.00	12.00	6.69	18.09	***13,000***	***100***	<5.0	***270***	7.0	<5.0	--	1.81	7.1	a
8/4/2006	NP	24.78	7.00	12.00	8.30	16.48	***9,800***	***410***	5.0	***260***	<5.0	*14*	840	0.84	7.0	
10/23/2006	P	24.78	7.00	12.00	8.71	16.07	***12,000***	***440***	5.6	***260***	11	*16*	--	--	6.92	
1/15/2007	--	24.78	7.00	12.00	7.95	16.83	--	--	--	--	--	--	--	1.23	6.90	l
4/17/2007	P	24.78	7.00	12.00	8.20	16.58	***6,800***	***140***	<10	***280***	<10	*<10*	--	2.14	7.19	a
7/9/2007	P	24.78	7.00	12.00	8.73	16.05	***8,200***	***240***	<5.0	***220***	***180***	*81*	1020	2.42	7.15	a, s
10/1/2007	P	24.78	7.00	12.00	8.94	15.84	***13,000***	***260***	<5.0	***260***	13	*9.3*	1,340	2.46	7.19	a, s
1/7/2008	P	24.78	7.00	12.00	7.43	17.35	***8,000***	***56***	<5.0	***190***	7.3	<5.0	1,000	0.95	7.03	u
4/1/2008	NP	24.78	7.00	12.00	7.64	17.16	***9,300***	***70***	<20	***210***	<20	*<20*	1,220	2.22	7.04	i, l
7/23/2008	P	24.78	7.00	12.00	8.82	15.96	***19,000***	***190***	<20	***180***	<20	*<20*	1,480	2.2	6.99	
10/22/2008	P	24.78	7.00	12.00	9.13	15.65	***31,000***	***190***	<20	***210***	<20	*<20*	2,132	0.31	6.87	a
1/21/2009	P	24.78	7.00	12.00	8.72	16.06	***20,000***	***99***	<20	***190***	<20	*<20*	--	1.06	7.01	a
4/21/2009	P	24.78	7.00	12.00	7.68	17.10	***18,000***	***63***	<20	***50***	<20	*<20*	1,617	0.40	6.98	a, u
7/21/2009	P	24.78	7.00	12.00	8.91	15.87	***9,700***	***100***	<20	***120***	<20	*<20*	--	10.85	7.10	u, v
1/12/2010	P	24.78	7.00	12.00	8.30	16.48	***8,400***	***49***	<10	***85***	<10	*<10*	--	0.98	6.48	u
6/3/2010	--	24.78	7.00	12.00	7.67	17.11	--	--	--	--	--	--	--	--	--	
7/22/2010	NP	24.78	7.00	12.00	8.43	16.35	***15,000***	***54***	<10	***90***	<10	*<10*	--	0.49	7.0	w
2/18/2011	NP	24.78	7.00	12.00	7.34	17.44	***7,900***	*11*	<2.0	***83***	2.8	<2.0	--	0.50	6.5	x (GRO)
MW-2																
7/18/1990	--	22.06	8.00	12.00	7.86	14.20	***35,000***	***3,800***	***2,900***	***690***	***3,600***	--	--	--	--	
10/15/1990	--	22.06	8.00	12.00	8.61	13.45	***6,400***	***650***	***290***	***110***	***560***	--	--	--	--	
1/9/1991	--	22.06	8.00	12.00	8.43	13.63	***13,000***	***1,500***	***970***	***390***	***1,500***	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-2 Cont.																
4/16/1991	--	22.06	8.00	12.00	6.97	15.09	***54,000***	***5,200***	***9,000***	***1,500***	***7,700***	--	--	--	--	
6/10/1991	--	21.33	8.00	12.00	7.91	13.42	***26,000***	***3,000***	***2,500***	***880***	***4,200***	--	--	--	--	
10/10/1991	--	21.33	8.00	12.00	8.82	12.51	***10,000***	***1,600***	***910***	***280***	***1,400***	--	--	--	--	
3/23/1992	--	21.33	8.00	12.00	6.86	14.47	***33,000***	***4,100***	***5,000***	***1,100***	***5,300***	--	--	--	--	
6/8/1992	--	21.33	8.00	12.00	7.95	13.38	***18,000***	***1,200***	***980***	***330***	***1,800***	--	--	--	--	
9/15/1992	--	21.33	8.00	12.00	8.71	12.62	***13,000***	***430***	***500***	***340***	***1,800***	--	--	--	--	
11/16/1992	--	21.33	8.00	12.00	7.93	13.40	***13,000***	***900***	***940***	***300***	***1,400***	--	--	--	--	
2/16/1993	--	21.33	8.00	12.00	6.02	15.31	***20,000***	***1,800***	***1,200***	***530***	***2,700***	--	--	--	--	
5/13/1993	--	21.33	8.00	12.00	6.99	14.34	***13,000***	***1,000***	***470***	***370***	***1,900***	--	--	--	--	
8/17/1993	--	21.33	8.00	12.00	7.85	13.48	***9,100***	***770***	***160***	***310***	***1,500***	--	--	--	--	
11/8/1993	--	21.33	8.00	12.00	8.12	13.21	***9,200***	***380***	*62*	***130***	***630***	--	--	--	--	
2/14/1994	--	21.33	8.00	12.00	6.88	14.45	***8,700***	***670***	***370***	***50***	***1,400***	--	--	--	--	
5/5/1994	--	21.33	8.00	12.00	7.51	13.82	***5,600***	***390***	***140***	***120***	***480***	--	--	--	--	
8/4/1994	--	21.33	8.00	12.00	8.00	13.33	***2,300***	***180***	<2.5	<2.5	***230***	--	--	--	--	n
11/20/1994	--	21.33	8.00	12.00	6.86	14.47	***4,900***	***170***	***150***	***120***	***390***	--	--	--	--	
3/17/1995	--	21.33	8.00	12.00	6.12	15.21	***10,000***	***460***	*77*	***260***	***550***	--	--	--	--	
6/1/1995	--	21.33	8.00	12.00	6.56	14.77	***13,000***	***400***	*78*	***210***	***410***	--	--	--	--	
8/31/1995	--	21.33	8.00	12.00	7.18	14.15	***5,000***	***280***	18	***120***	***140***	*<50*	--	--	--	
11/27/1995	--	21.33	8.00	12.00	7.39	13.94	***3,200***	***230***	12	***77***	*90*	--	--	--	--	
2/22/1996	--	21.33	8.00	12.00	5.78	15.55	***11,000***	***290***	*67*	***190***	***330***	*<50*	--	--	--	
5/20/1996	--	21.33	8.00	12.00	6.27	15.06	--	--	--	--	--	--	--	--	--	
8/26/1996	--	21.33	8.00	12.00	7.30	14.03	--	--	--	--	--	--	--	--	--	
11/20/1996	--	21.33	8.00	12.00	7.28	14.05	--	--	--	--	--	--	--	--	--	
3/24/1997	--	21.12	8.00	12.00	7.11	14.01	***4,800***	***570***	6	***71***	*32*	*67*	--	--	--	
5/23/1997	--	21.12	8.00	12.00	7.44	13.68	--	--	--	--	--	--	--	--	--	
8/19/1997	--	21.12	8.00	12.00	7.64	13.48	--	--	--	--	--	--	--	--	--	
11/19/1997	--	21.12	8.00	12.00	7.70	13.42	--	--	--	--	--	--	--	--	--	
2/19/1998	--	21.12	8.00	12.00	5.22	15.90	***2,000***	***160***	*50*	***66***	***230***	*25*	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-2 Cont.																
4/23/1998	--	21.12	8.00	12.00	6.24	14.88	--	--	--	--	--	--	--	--	--	
7/27/1998	--	21.12	8.00	12.00	7.02	14.10	--	--	--	--	--	--	--	--	--	
10/14/1998	--	21.12	8.00	12.00	7.54	13.58	--	--	--	--	--	--	--	--	--	
1/21/1999	--	21.12	8.00	12.00	7.15	13.97	***1,700***	***84***	4	*31*	10	*13*	--	0.5	--	
5/6/1999	--	21.12	8.00	12.00	6.95	14.17	--	--	--	--	--	--	--	--	--	
8/23/1999	--	21.12	8.00	12.00	7.49	13.63	--	--	--	--	--	--	--	0.68	--	
10/28/1999	--	21.12	8.00	12.00	7.92	13.20	--	--	--	--	--	--	--	--	--	
2/4/2000	--	21.12	8.00	12.00	6.61	14.51	--	--	--	--	--	--	--	--	--	
6/20/2000	--	21.12	8.00	12.00	7.12	14.00	--	--	--	--	--	--	--	--	--	
9/29/2000	--	21.12	8.00	12.00	7.60	13.52	--	--	--	--	--	--	--	--	--	
12/17/2000	--	21.12	8.00	12.00	7.42	13.70	--	--	--	--	--	--	--	--	--	
3/28/2001	--	21.12	8.00	12.00	6.84	14.28	***838***	*18.1*	<5.0	7.63	5.98	*39.5*	--	--	--	
6/20/2001	--	21.12	8.00	12.00	7.66	13.46	--	--	--	--	--	--	--	--	--	
9/22/2001	--	21.12	8.00	12.00	8.08	13.04	--	--	--	--	--	--	--	--	--	
12/27/2001	--	21.12	8.00	12.00	6.48	14.64	--	--	--	--	--	--	--	--	--	
3/15/2002	--	21.12	8.00	12.00	6.84	14.28	100	<0.5	<0.5	2.5	<0.5	*75*	--	--	--	
4/18/2002	--	21.12	8.00	12.00	6.19	14.93	--	--	--	--	--	--	--	--	--	
7/23/2002	--	21.12	8.00	12.00	7.73	13.39	--	--	--	--	--	--	--	--	--	
10/16/2002	--	21.12	8.00	12.00	8.10	13.02	--	--	--	--	--	--	--	--	--	
1/23/2003	P	21.12	8.00	12.00	6.52	14.60	***<5,000***	***<50***	*<50*	***<50***	*<50*	*95*	--	1.6	7.2	g
4/7/2003	--	21.12	8.00	12.00	7.22	13.90	--	--	--	--	--	--	--	--	--	
8/7/2003	--	21.12	8.00	12.00	7.84	13.28	--	--	--	--	--	--	--	--	--	
10/23/2003	P	21.12	8.00	12.00	7.95	13.17	***<250***	*<2.5*	<2.5	<2.5	4.2	*68*	--	--	--	m
01/12/2004	--	21.12	8.00	12.00	6.60	14.52	--	--	--	--	--	--	--	--	--	
04/20/2004	--	23.87	8.00	12.00	8.32	15.55	--	--	--	--	--	--	--	--	--	r
07/01/2004	P	23.87	8.00	12.00	8.96	14.91	72	<0.50	<0.50	<0.50	<0.50	*72*	--	2.1	6.9	o
11/04/2004	--	23.87	8.00	12.00	7.30	16.57	--	--	--	--	--	--	--	--	--	
01/10/2005	--	23.87	8.00	12.00	5.87	18.00	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-2 Cont.																
04/14/2005	--	23.87	8.00	12.00	5.75	18.12	--	--	--	--	--	--	--	--	--	
08/02/2005	P	23.87	8.00	12.00	6.47	17.40	***1,300***	*4.3*	0.57	11	0.97	*12*	--	--	7.0	
10/21/2005	--	23.87	8.00	12.00	7.12	16.75	--	--	--	--	--	--	--	--	--	
01/04/2006	--	23.87	8.00	12.00	6.75	17.12	--	--	--	--	--	--	--	--	--	
04/28/2006	--	23.87	8.00	12.00	5.90	17.97	--	--	--	--	--	--	--	--	--	
8/4/2006	P	23.87	8.00	12.00	7.41	16.46	50	<0.50	<0.50	<0.50	<0.50	*7.9*	--	1.57	7.2	
10/23/2006	--	23.87	8.00	12.00	7.72	16.15	--	--	--	--	--	--	--	--	--	
1/15/2007	--	23.87	8.00	12.00	7.14	16.73	--	--	--	--	--	--	--	--	--	
4/17/2007	--	23.87	8.00	12.00	7.28	16.59	--	--	--	--	--	--	--	--	--	
7/9/2007	P	23.87	8.00	12.00	7.73	16.14	*110*	<0.50	<0.50	<0.50	<0.50	3.2	--	1.40	7.37	
10/1/2007	--	23.87	8.00	12.00	7.95	15.92	--	--	--	--	--	--	--	--	--	
1/7/2008	--	23.87	8.00	12.00	6.46	17.41	--	--	--	--	--	--	--	--	--	
4/1/2008	--	23.87	8.00	12.00	7.10	16.77	--	--	--	--	--	--	--	--	--	
7/23/2008	NP	23.87	8.00	12.00	7.90	15.97	<50	<0.50	<0.50	<0.50	<0.50	0.78	--	3.1	7.25	
10/22/2008	--	23.87	8.00	12.00	8.10	15.77	--	--	--	--	--	--	--	--	--	
1/21/2009	--	23.87	8.00	12.00	7.70	16.17	--	--	--	--	--	--	--	--	--	
4/21/2009	--	23.87	8.00	12.00	7.16	16.71	--	--	--	--	--	--	--	--	--	
7/21/2009	NP	23.87	8.00	12.00	8.01	15.86	<50	<0.50	<0.50	<0.50	<0.50	0.83	--	11.67	7.47	v
1/12/2010	--	23.87	8.00	12.00	7.35	16.52	--	--	--	--	--	--	--	--	--	
6/3/2010	P	23.87	8.00	12.00	6.78	17.09	<50	<0.50	<0.50	<0.50	<0.50	1.2	--	--	7.06	
7/22/2010	P	23.87	8.00	12.00	7.47	16.40	***420***	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.03	7.1	w
2/18/2011	--	23.87	8.00	12.00	6.71	17.16	--	--	--	--	--	--	--	--	--	
MW-3																
7/18/1990	--	20.84	8.00	12.00	7.03	13.81	--	--	--	--	--	--	--	--	--	
10/15/1990	--	20.84	8.00	12.00	8.19	12.65	--	--	--	--	--	--	--	--	--	i, l
1/9/1991	--	20.84	8.00	12.00	7.46	13.38	--	--	--	--	--	--	--	--	--	i, l
4/16/1991	--	20.84	8.00	12.00	7.95	12.89	--	--	--	--	--	--	--	--	--	a
6/10/1991	--	20.11	8.00	12.00	7.14	12.97	--	--	--	--	--	--	--	--	--	a

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-3 Cont.																
10/10/1991	--	20.11	8.00	12.00	7.82	12.29	--	--	--	--	--	--	--	--	--	i, l
3/23/1992	--	20.11	8.00	12.00	5.75	14.36	--	--	--	--	--	--	--	--	--	a
6/8/1992	--	20.11	8.00	12.00	7.52	12.59	--	--	--	--	--	--	--	--	--	i, l
9/15/1992	--	20.11	8.00	12.00	8.01	12.10	--	--	--	--	--	--	--	--	--	i, l
11/16/1992	--	20.11	8.00	12.00	7.11	13.00	--	--	--	--	--	--	--	--	--	a
2/16/1993	--	20.11	8.00	12.00	5.93	14.18	--	--	--	--	--	--	--	--	--	i, l
5/13/1993	--	20.11	8.00	12.00	6.37	13.74	--	--	--	--	--	--	--	--	--	i, l
8/17/1993	--	20.11	8.00	12.00	7.00	13.11	--	--	--	--	--	--	--	--	--	i, l
11/8/1993	--	20.11	8.00	12.00	7.31	12.80	***430,000***	***4,100***	***14,000***	***6,400***	***37,000***	--	--	--	--	
2/14/1994	--	20.11	8.00	12.00	5.81	14.30	***85,000***	***4,200***	***12,000***	***2,500***	***16,000***	--	--	--	--	
5/5/1994	--	20.11	8.00	12.00	6.81	13.30	***560,000***	***4,600***	***14,000***	***5,300***	***40,000***	--	--	--	--	
8/4/1994	--	20.11	8.00	12.00	7.31	12.80	***64,000***	***4,200***	***7,600***	***1,700***	***12,000***	--	--	--	--	
11/20/1994	--	20.11	8.00	12.00	5.88	14.23	***80,000***	***4,700***	***9,700***	***2,400***	***15,000***	--	--	--	--	
3/17/1995	--	20.11	8.00	12.00	5.46	14.65	***370,000***	***4,800***	***12,000***	***5,800***	***34,000***	--	--	--	--	
6/1/1995	--	20.11	8.00	12.00	6.34	13.77	***270,000***	***6,000***	***11,000***	***5,200***	***28,000***	--	--	--	--	
8/31/1995	--	20.11	8.00	12.00	6.60	13.51	--	--	--	--	--	--	--	--	--	i, l
11/27/1995	--	20.11	8.00	12.00	6.76	13.35	***150,000***	***5,100***	***8,800***	***3,900***	***21,000***	--	--	--	--	
2/22/1996	--	20.11	8.00	12.00	5.14	14.97	***150,000***	***4,400***	***7,600***	***4,100***	***22,000***	***<3,000***	--	--	--	
5/20/1996	--	20.11	8.00	12.00	5.17	14.94	***410,000***	***4,700***	***8,000***	***6,300***	***36,000***	***<3,000***	--	--	--	
8/26/1996	--	20.11	8.00	12.00	7.04	13.07	***260,000***	***4,000***	***6,100***	***4,200***	***24,000***	***<2,000***	--	--	--	
11/20/1996	--	20.11	8.00	12.00	6.26	13.85	***190,000***	***3,200***	***5,800***	***3,300***	***20,000***	*<1,000*	--	--	--	
3/24/1997	--	22.99	8.00	12.00	6.94	16.05	***430,000***	***2,700***	***7,600***	***7,000***	***39,000***	***<5,000***	--	--	--	
5/23/1997	--	22.99	8.00	12.00	6.98	16.01	***130,000***	***2,100***	***4,300***	***3,500***	***19,000***	*<700*	--	--	--	
8/19/1997	--	22.99	8.00	12.00	7.25	15.74	***100,000***	***2,000***	***3,200***	***<100***	***19,000***	*<600*	--	--	--	
11/19/1997	--	22.99	8.00	12.00	7.25	15.74	***93,000***	***1,700***	***2,400***	***2,800***	***16,000***	*<600*	--	--	--	
2/19/1998	--	22.99	8.00	12.00	5.24	17.75	***80,000***	***620***	***1,200***	***2,500***	***13,000***	*<600*	--	--	--	
4/23/1998	--	22.99	8.00	12.00	6.60	16.39	***130,000***	***1,500***	***2,400***	***3,500***	***18,000***	*<600*	--	3.5	--	
7/27/1998	--	22.99	8.00	12.00	7.00	15.99	***140,000***	***920***	***1,500***	***2,400***	***13,000***	*<600*	--	1.0	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-3 Cont.																
10/14/1998	--	22.99	8.00	12.00	7.04	15.95	***300,000***	***1,200***	***2,400***	***5,700***	***32,000***	*970*	--	1.0	--	
1/21/1999	--	22.99	8.00	12.00	6.50	16.49	***120,000***	***860***	***1,500***	***2,600***	***14,000***	*<600*	--	0.5	--	
5/6/1999	--	22.99	8.00	12.00	6.90	16.09	***49,000***	***670***	***1,400***	***2,500***	***11,000***	*170*	--	1.03	--	
8/23/1999	--	22.99	8.00	12.00	6.53	16.46	***51,000***	***440***	***930***	***2,200***	***9,200***	*<150*	--	0.67	--	
10/28/1999	--	22.99	8.00	12.00	7.50	15.49	***1,400,000***	***830***	***4,100***	***15,000***	***78,000***	***<5,000***	--	0.77	--	
2/4/2000	--	22.99	8.00	12.00	6.21	16.78	<50	<0.5	<0.5	<0.5	<1	*650*	--	1.61	--	
6/20/2000	--	22.99	8.00	12.00	6.22	16.77	***45,000***	***670***	***990***	***2,400***	***12,000***	*<500*	--	--	--	
9/29/2000	--	22.99	8.00	12.00	7.20	15.79	***51,000***	***860***	***1,120***	***2,720***	***12,900***	*<250*	--	--	--	
12/17/2000	--	22.99	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--	
3/28/2001	--	22.99	8.00	12.00	6.10	16.89	***43,500***	***804***	***<200***	***250***	***11,000***	*<1,000*	--	--	--	
6/20/2001	--	22.99	8.00	12.00	6.14	16.85	***62,000***	***1,000***	***850***	***2,800***	***13,000***	***<2,500***	--	--	--	
9/22/2001	--	22.99	8.00	12.00	7.24	15.75	***53,000***	***1,200***	***1,200***	***3,100***	***13,000***	*<1,000*	--	--	--	
12/27/2001	--	22.99	8.00	12.00	7.00	15.99	***44,000***	***860***	***840***	***2,300***	***10,000***	*<250*	--	--	--	
3/15/2002	--	22.99	8.00	12.00	7.02	15.97	***43,000***	***1,000***	***810***	***2,300***	***11,000***	*<250*	--	--	--	
4/18/2002	--	22.99	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--	
7/23/2002	P	22.99	8.00	12.00	7.22	15.77	***45,000***	***750***	***570***	***2,100***	***10,000***	*<250*	--	1	8	d
10/16/2002	P	22.99	8.00	12.00	7.54	15.45	***42,000***	***780***	***620***	***2,500***	***11,000***	*<250*	--	1.4	7.7	d
1/23/2003	P	22.99	8.00	12.00	6.85	16.14	***68,000***	***580***	***500***	***3,300***	***16,000***	*<100*	--	1.3	7	g
4/7/2003	--	22.99	8.00	12.00	7.05	15.94	***48,000***	***620***	***450***	***2,200***	***11,000***	*<50*	--	1.4	6.9	
8/7/2003	--	22.99	8.00	12.00	6.89	16.10	***35,000***	***360***	***250***	***1,700***	***8,100***	*<100*	--	2.4	8.9	m
10/23/2003	P	22.99	8.00	12.00	7.05	15.94	***36,000***	***340***	***250***	***1,700***	***8,300***	*<25*	--	--	--	m
01/12/2004	NP	22.99	8.00	12.00	5.93	17.06	***1,100***	*<5.0*	<5.0	<5.0	*34*	<5.0	--	3.2	9.5	
04/20/2004	P	22.63	8.00	12.00	7.60	15.03	***30,000***	***210***	***170***	***1,700***	***7,300***	*<50*	--	1.6	7.8	r
07/01/2004	P	22.63	8.00	12.00	7.76	14.87	***33,000***	***190***	***190***	***1,300***	***6,300***	*<50*	--	2.3	7.4	a
11/04/2004	--	22.63	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--	p
11/23/2004	P	22.63	8.00	12.00	6.75	15.88	***32,000***	***150***	***160***	***1,400***	***7,100***	*<50*	--	1.2	7.5	
01/10/2005	P	22.63	8.00	12.00	4.75	17.88	***34,000***	***180***	***150***	***1,400***	***6,900***	*<100*	--	0.7	7.0	
04/14/2005	P	22.63	8.00	12.00	5.60	17.03	***26,000***	***170***	***200***	***1,500***	***5,000***	*<25*	--	2.3	7.0	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-3 Cont.																
08/02/2005	P	22.63	8.00	12.00	5.97	16.66	***41,000***	***260***	***190***	***1,800***	***8,600***	*<25*	--	--	7.0	
10/21/2005	P	22.63	8.00	12.00	6.55	16.08	***39,000***	***230***	***160***	***1,500***	***7,400***	*<50*	--	1.05	7.0	
01/04/2006	P	22.63	8.00	12.00	4.57	18.06	***33,000***	***160***	***150***	***1,700***	***7,500***	*<25*	--	0.97	7.1	
04/28/2006	P	22.63	8.00	12.00	5.35	17.28	***42,000***	***130***	*110*	***1,700***	***6,500***	*<25*	--	1.39	7.0	a
8/4/2006	P	22.63	8.00	12.00	5.97	16.66	***38,000***	***180***	*130*	***1,500***	***7,000***	*<25*	--	0.47	6.9	
10/23/2006	P	22.63	8.00	12.00	6.66	15.97	***48,000***	***180***	*120*	***1,500***	***7,100***	<5.0	--	--	6.98	
1/15/2007	P	22.63	8.00	12.00	6.11	16.52	***36,000***	***130***	*130*	***1,900***	***8,400***	*<25*	--	0.97	7.25	
4/17/2007	P	22.63	8.00	12.00	6.13	16.50	***73,000***	***120***	***140***	***2,200***	***9,900***	*<25*	--	1.13	7.42	a
7/9/2007	P	22.63	8.00	12.00	6.82	15.81	***42,000***	***110***	*110*	***1,700***	***7,100***	*<25*	--	1.38	7.28	a
10/1/2007	P	22.63	8.00	12.00	6.85	15.78	***48,000***	***100***	*100*	***1,700***	***7,700***	*<25*	--	1.65	7.66	a, o, t
1/7/2008	--	22.63	8.00	12.00	--	--	--	--	--	--	--	--	--	--	--	p
4/1/2008	P	22.63	8.00	12.00	8.95	13.68	***160,000***	***<100***	*<100*	***1,700***	***7,400***	*<100*	--	0.96	7.03	a
7/23/2008	NP	22.63	8.00	12.00	7.00	15.63	***33,000***	*39*	*47*	***1,100***	***5,000***	<5.0	--	1.04	6.93	
10/22/2008	P	22.63	8.00	12.00	7.15	15.48	***98,000***	***<120***	*<120*	***2,000***	***8,000***	*<120*	--	1.06	7.09	a
1/21/2009	P	22.63	8.00	12.00	6.79	15.84	***51,000***	***<100***	*<100*	***2,300***	***9,000***	*<100*	--	0.58	7.08	a
4/21/2009	P	22.63	8.00	12.00	5.80	16.83	***720,000***	***52***	*<50*	***790***	***7,000***	*<50*	--	1.38	7.14	a
7/21/2009	P	22.63	8.00	12.00	6.84	15.79	***36,000***	*29*	33	***1,300***	***4,800***	*<25*	--	11.15	7.35	v
1/12/2010	P	22.63	8.00	12.00	6.19	16.44	***25,000***	*25*	24	***1,200***	***3,900***	*<10*	--	1.07	6.63	
6/3/2010	P	22.63	8.00	12.00	5.64	16.99	***26,000***	*<25*	<25	***820***	***2,900***	*<25*	--	1.16	6.8	
7/22/2010	P	22.63	8.00	12.00	6.37	16.26	***42,000***	*<25*	<25	***1,100***	***3,500***	*<25*	--	0.38	6.9	
2/18/2011	P	22.63	8.00	12.00	5.03	17.60	***29,000***	*<25*	<25	***1,000***	***2,800***	*<25*	--	0.70	6.50	
MW-4																
6/10/1991	--	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b
10/10/1991	--	20.75	6.00	9.00	--	--	***15,000***	***5,300***	***1,500***	***470***	***1,300***	--	--	--	--	b
3/23/1992	--	20.75	6.00	9.00	--	--	***24,000***	***5,600***	***4,000***	***580***	***3,100***	--	--	--	--	b
6/8/1992	--	20.75	6.00	9.00	--	--	***5,700***	***2,000***	***170***	***92***	***270***	--	--	--	--	b
9/15/1992	--	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/16/1992	--	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-4 Cont.																
2/16/1993	--	20.75	6.00	9.00	7.10	13.65	***12,000***	***920***	***1,100***	***130***	***750***	--	--	--	--	
5/13/1993	--	20.75	6.00	9.00	7.02	13.73	***19,000***	***2,900***	***2,800***	***360***	***1,900***	--	--	--	--	
8/17/1993	--	20.75	6.00	9.00	7.85	12.90	***8,100***	***1,600***	***1,300***	***170***	***730***	--	--	--	--	
11/8/1993	--	20.75	6.00	9.00	--	--	***2,000***	***540***	*110*	10	***240***	--	--	--	--	b
2/14/1994	--	20.75	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b
5/5/1994	--	20.75	6.00	9.00	7.73	13.02	***1,900***	***510***	*78*	*31*	***150***	--	--	--	--	
8/4/1994	--	20.75	6.00	9.00	7.83	12.92	***1,300***	***360***	17	<5	***190***	--	--	--	--	n
11/20/1994	--	20.75	6.00	9.00	7.73	13.02	<50	*2.9*	0.5	<0.5	1.4	--	--	--	--	
3/17/1995	--	20.75	6.00	9.00	6.65	14.10	***16,000***	***1,800***	***970***	***310***	***2,500***	--	--	--	--	
6/1/1995	--	20.75	6.00	9.00	7.25	13.50	***16,000***	***2,800***	***870***	***380***	***2,700***	--	--	--	--	
8/31/1995	--	20.75	6.00	9.00	7.75	13.00	***9,000***	***2,000***	***270***	***270***	***1,400***	*<100*	--	--	--	
11/27/1995	--	20.75	6.00	9.00	7.87	12.88	***3,800***	***890***	*130*	***130***	***550***	--	--	--	--	
2/22/1996	--	20.75	6.00	9.00	7.29	13.46	***940***	***150***	*82*	19	***130***	*<20*	--	--	--	
5/20/1996	--	20.75	6.00	9.00	7.30	13.45	***6,700***	***1,100***	***330***	***120***	***1,100***	*<100*	--	--	--	
8/26/1996	--	20.75	6.00	9.00	7.57	13.18	***14,000***	***2,400***	***510***	***350***	***2,100***	*<100*	--	--	--	
11/20/1996	--	20.75	6.00	9.00	7.89	12.86	***420***	***55***	17	11	*62*	<3	--	--	--	
3/24/1997	--	22.38	6.00	9.00	6.90	15.48	***6,800***	***620***	***150***	***81***	***1,300***	*<50*	--	--	--	
5/23/1997	--	22.38	6.00	9.00	7.80	14.58	***9,000***	***1,300***	***240***	***200***	***1,600***	*<60*	--	--	--	
8/19/1997	--	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/19/1997	--	22.38	6.00	9.00	--	--	***3700***	***600***	*93*	***120***	***710***	*<60*	--	--	--	b, j
2/19/1998	--	22.38	6.00	9.00	6.78	15.60	***1,800***	***93***	*51*	29	***420***	*110*	--	--	--	
4/23/1998	--	22.38	6.00	9.00	6.47	15.91	***6,500***	***700***	*110*	***180***	***1,300***	*93*	--	0.5	--	
7/27/1998	--	22.38	6.00	9.00	7.22	15.16	***10,000***	***1,400***	***140***	***290***	***1,900***	*<120*	--	1.5	--	
10/14/1998	--	22.38	6.00	9.00	7.60	14.78	***6,500***	***900***	*63*	***200***	***1,200***	*63*	--	1	--	
1/21/1999	--	22.38	6.00	9.00	7.43	14.95	***1,700***	***140***	22	***56***	***320***	*13*	--	0.5	--	
5/6/1999	--	22.38	6.00	9.00	6.55	15.83	***3,300***	***250***	36	***73***	***890***	*41*	--	1.28	--	
8/23/1999	--	22.38	6.00	9.00	7.16	15.22	***7,400***	***500***	*73*	***230***	***1,700***	*57*	--	0.89	--	
10/28/1999	--	22.38	6.00	9.00	8.28	14.10	***370***	*41*	5.7	14	*52*	*16*	--	0.92	--	

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Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-4 Cont.																
2/4/2000	--	22.38	6.00	9.00	8.23	14.15	***310***	*33*	7.5	11	*65*	*8*	--	2.43	--	
6/20/2000	--	22.38	6.00	9.00	6.46	15.92	***2,700***	***210***	20	***94***	***520***	*46*	--	--	--	
9/29/2000	--	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b
12/17/2000	--	22.38	6.00	9.00	--	--	--	--	--	--	--	--	--	--	--	b
3/28/2001	--	22.38	6.00	9.00	7.49	14.89	--	--	--	--	--	--	--	--	--	b
6/20/2001	--	22.38	6.00	9.00	7.21	15.17	***13,000***	***690***	***170***	***330***	***1,400***	*110*	--	--	--	
9/22/2001	--	22.38	6.00	9.00	7.43	14.95	***6,700***	***650***	*110*	***410***	***1,800***	*100*	--	--	--	
12/27/2001	--	22.38	6.00	9.00	7.32	15.06	***1,200***	***47***	15	***46***	***250***	*15*	--	--	--	
3/15/2002	--	22.38	6.00	9.00	7.43	14.95	***490***	*34*	7.4	26	***110***	*12*	--	--	--	
4/18/2002	--	22.38	6.00	9.00	7.00	15.38	<50	0.57	0.83	<0.5	1.1	3.7	--	--	--	
7/23/2002	NP	22.38	6.00	9.00	7.70	14.68	***820***	***80***	12	23	***190***	*41*	--	2.2	7.3	d
10/16/2002	NP	22.38	6.00	9.00	7.75	14.63	***2,000***	***220***	25	***140***	***570***	*<25*	--	1.8	7.6	d
1/23/2003	NP	22.38	6.00	9.00	7.11	15.27	***<250***	*<2.5*	<2.5	<2.5	8.8	*5.9*	--	1.7	7	g
4/7/2003	--	22.38	6.00	9.00	7.19	15.19	***310***	*24*	2.4	15	*62*	*9.2*	--	1.1	7.1	
8/7/2003	--	22.38	6.00	9.00	7.45	14.93	***3,000***	***280***	<25	***150***	***700***	*<25*	--	1.2	6.8	m
10/23/2003	NP	22.38	6.00	9.00	7.59	14.79	***1,700***	***150***	7.6	***83***	***320***	*12*	--	--	--	m
01/12/2004	NP	22.38	6.00	9.00	7.40	14.98	***260***	*4.4*	<2.5	<2.5	*27*	4.3	--	2.4	7.3	
04/20/2004	NP	23.32	6.00	9.00	7.38	15.94	***1,500***	***160***	<5.0	***50***	***320***	*12*	--	1.4	7.1	r
07/01/2004	NP	23.32	6.00	9.00	7.78	15.54	***1,800***	***150***	5.2	16	***260***	*15*	--	1.9	7.0	
11/04/2004	NP	23.32	6.00	9.00	7.75	15.57	***640***	*38*	1.9	2.1	***110***	*5.7*	--	1.9	7.0	
01/10/2005	NP	23.32	6.00	9.00	7.54	15.78	<50	*1.1*	<0.50	<0.50	0.96	2.5	--	1.61	7.0	
04/14/2005	NP	23.32	6.00	9.00	7.20	16.12	***320***	*16*	0.69	1.4	*48*	4.5	--	2.5	7.0	
08/02/2005	NP	23.32	6.00	9.00	7.35	15.97	***1,100***	***77***	2.8	9.0	***190***	*7.1*	--	--	6.8	
10/21/2005	NP	23.32	6.00	9.00	7.25	16.07	***1,700***	***84***	3.9	6.5	***250***	*10*	--	1.99	6.9	
01/04/2006	NP	23.32	6.00	9.00	7.52	15.80	***460***	*14*	<1.0	2.1	*72*	3.7	--	1.15	7.2	
04/28/2006	NP	23.32	6.00	9.00	6.55	16.77	***670***	*17*	<1.0	3.7	*33*	3.7	--	1.39	7.0	
8/4/2006	NP	23.32	6.00	9.00	7.00	16.32	***2,800***	***240***	9.3	14	***280***	*15*	--	1.26	7.1	
10/23/2006	P	23.32	6.00	9.00	7.33	15.99	***2,100***	***200***	7.8	17	***150***	*16*	--	--	7.08	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-4 Cont.																
1/15/2007	--	23.32	6.00	9.00	7.60	15.72	--	--	--	--	--	--	--	--	--	
4/17/2007	NP	23.32	6.00	9.00	7.47	15.85	*110*	*9.0*	<1.0	1.0	4.5	3.5	--	3.79	7.25	
7/9/2007	NP	23.32	6.00	9.00	7.55	15.77	***1,400***	***130***	5.4	14	*96*	*14*	--	3.55	7.40	
10/1/2007	NP	23.32	6.00	9.00	7.69	15.63	***1,300***	***120***	6.4	12	*91*	*11*	--	3.08	7.42	
1/7/2008	NP	23.32	6.00	9.00	7.38	15.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.25	7.26	
4/1/2008	NP	23.32	6.00	9.00	7.05	16.27	*190*	<0.50	<0.50	<0.50	<0.50	0.68	--	1.32	7.12	
7/23/2008	--	23.32	6.00	9.00	7.36	15.96	--	--	--	--	--	--	--	--	--	c
10/22/2008	--	23.32	6.00	9.00	7.41	15.91	--	--	--	--	--	--	--	--	--	c
1/21/2009	--	23.32	6.00	9.00	7.39	15.93	--	--	--	--	--	--	--	--	--	c
4/21/2009	NP	23.32	6.00	9.00	6.90	16.42	<50	<0.50	<0.50	<0.50	<0.50	1.5	--	1.18	7.28	
7/21/2009	--	23.32	6.00	9.00	7.18	16.14	--	--	--	--	--	--	--	--	--	
1/12/2010	--	23.32	6.00	9.00	7.23	16.09	--	--	--	--	--	--	--	--	--	
6/3/2010	P	23.32	6.00	9.00	6.35	16.97	***650***	*38*	<0.50	0.71	<0.50	2.3	--	1.10	7.1	
7/22/2010	--	23.32	6.00	9.00	7.34	15.98	--	--	--	--	--	--	--	--	--	
2/18/2011	--	23.32	6.00	9.00	6.89	16.43	--	--	--	--	--	--	--	--	--	
MW-5																
6/10/1991	--	20.90	6.00	10.50	7.58	13.32	***100,000***	***25,000***	***20,000***	***2,600***	***12,000***	--	--	--	--	
10/10/1991	--	20.90	6.00	10.50	8.51	12.39	--	--	--	--	--	--	--	--	--	a
3/23/1992	--	20.90	6.00	10.50	6.06	14.84	***150,000***	***24,000***	***31,000***	***4,400***	***23,000***	--	--	--	--	
6/8/1992	--	20.90	6.00	10.50	7.66	13.24	***120,000***	***17,000***	***13,000***	***2,400***	***11,000***	--	--	--	--	
9/15/1992	--	20.90	6.00	10.50	8.40	12.50	--	--	--	--	--	--	--	--	--	l
11/16/1992	--	20.90	6.00	10.50	7.70	13.20	***110,000***	***16,000***	***16,000***	***3,200***	***18,000***	--	--	--	--	
2/16/1993	--	20.90	6.00	10.50	5.64	15.26	***150,000***	***12,000***	***15,000***	***3,000***	***17,000***	--	--	--	--	
5/13/1993	--	20.90	6.00	10.50	6.68	14.22	--	--	--	--	--	--	--	--	--	l
8/17/1993	--	20.90	6.00	10.50	7.49	13.41	***87,000***	***15,000***	***8,500***	***1,900***	***11,000***	--	--	--	--	
11/8/1993	--	20.90	6.00	10.50	7.93	12.97	***87,000***	***12,000***	***8,300***	***2,000***	***12,000***	--	--	--	--	
2/14/1994	--	20.90	6.00	10.50	6.49	14.41	***46,000***	***7,300***	***5,300***	***940***	***5,200***	--	--	--	--	
5/5/1994	--	20.90	6.00	10.50	7.18	13.72	***54,000***	***9,700***	***4,700***	***1,000***	***6,400***	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-5 Cont.																
8/4/1994	--	20.90	6.00	10.50	7.83	13.07	***57,000***	***14,000***	***3,200***	***1,200***	***7,200***	--	--	--	--	
11/20/1994	--	20.90	6.00	10.50	6.34	14.56	***33,000***	***5,700***	***1,800***	***720***	***4,700***	--	--	--	--	
3/17/1995	--	20.90	6.00	10.50	5.51	15.39	***48,000***	***6,400***	***2,000***	***740***	***5,100***	--	--	--	--	
6/1/1995	--	20.90	6.00	10.50	6.55	14.35	***76,000***	***11,000***	***5,400***	***1,400***	***7,700***	--	--	--	--	
8/31/1995	--	20.90	6.00	10.50	6.80	14.10	***53,000***	***12,000***	***1,600***	***1,000***	***6,000***	*<500*	--	--	--	
11/27/1995	--	20.90	6.00	10.50	7.13	13.77	***43,000***	***7,900***	***3,300***	***950***	***4,900***	--	--	--	--	
2/22/1996	--	20.90	6.00	10.50	5.12	15.78	***52,000***	***9,100***	***3,300***	***940***	***5,000***	*<500*	--	--	--	
5/20/1996	--	20.90	6.00	10.50	5.87	15.03	***55,000***	***9,300***	***3,800***	***1,100***	***5,400***	*<500*	--	--	--	
8/26/1996	--	20.90	6.00	10.50	7.15	13.75	***47,000***	***5,300***	***2,100***	***780***	***3,200***	*<300*	--	--	--	
11/20/1996	--	20.90	6.00	10.50	6.88	14.02	***53,000***	***8,700***	***5,700***	***920***	***4,400***	*<500*	--	--	--	
3/24/1997	--	22.45	6.00	10.50	7.13	15.32	***39,000***	***8,200***	***3,200***	***720***	***3,100***	*<500*	--	--	--	
5/23/1997	--	22.45	6.00	10.50	7.42	15.03	***29,000***	***6,600***	***1,700***	***400***	***1,500***	*<600*	--	--	--	
8/19/1997	--	22.45	6.00	10.50	7.58	14.87	***16,000***	***4,600***	***790***	***<50***	***1,300***	*<300*	--	--	--	
11/19/1997	--	22.45	6.00	10.50	7.58	14.87	***22,000***	***5,800***	***1,300***	***380***	***1,300***	*<300*	--	--	--	
2/19/1998	--	22.45	6.00	10.50	4.65	17.80	***40,000***	***5,100***	***3,800***	***620***	***2,900***	*<300*	--	--	--	
4/23/1998	--	22.45	6.00	10.50	6.25	16.20	***45,000***	***8,000***	***4,000***	***970***	***4,200***	*<600*	--	1.5	--	
7/27/1998	--	22.45	6.00	10.50	6.71	15.74	***30,000***	***8,000***	***2,000***	***590***	***1,900***	*<600*	--	1.5	--	
10/14/1998	--	22.45	6.00	10.50	7.19	15.26	***33,000***	***7,400***	***1,900***	***550***	***1,700***	*<300*	--	1.5	--	
1/21/1999	--	22.45	6.00	10.50	7.03	15.42	***34,000***	***6,200***	***2,600***	***630***	***2,300***	*<600*	--	2.5	--	
5/6/1999	--	22.45	6.00	10.50	7.02	15.43	***7,900***	***2,400***	***200***	***240***	***580***	*12*	--	1.07	--	
8/23/1999	--	22.45	6.00	10.50	7.04	15.41	***25,000***	***5,800***	***2,300***	***570***	***2,000***	*67*	--	1.04	--	
10/28/1999	--	22.45	6.00	10.50	7.90	14.55	***20,000***	***5,900***	***1,100***	***450***	***1,100***	*<250*	--	0.87	--	
2/4/2000	--	22.45	6.00	10.50	6.71	15.74	***32,000***	***2,500***	***3,800***	***770***	***4,200***	*<75*	--	2.33	--	
6/20/2000	--	22.45	6.00	10.50	6.78	15.67	***10,000***	***3,000***	***650***	***260***	***700***	*<200*	--	--	--	
9/29/2000	--	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--	b
12/17/2000	--	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--	b
3/28/2001	--	22.45	6.00	10.50	6.48	15.97	***23,400***	***4,160***	***3,450***	***728***	***3,090***	*<250*	--	--	--	
6/20/2001	--	22.45	6.00	10.50	7.26	15.19	***120,000***	***1,200***	*49*	***190***	***540***	*<100*	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-5 Cont.																
9/22/2001	--	22.45	6.00	10.50	--	--	--	--	--	--	--	--	--	--	--	b
12/27/2001	--	22.45	6.00	10.50	6.56	15.89	***16,000***	***1,500***	***2,700***	***730***	***3,200***	*<250*	--	--	--	
3/15/2002	--	22.45	6.00	10.50	6.90	15.55	***20,000***	***2,600***	***3,300***	***1,000***	***4,000***	*<250*	--	--	--	
4/18/2002	--	22.45	6.00	10.50	6.17	16.28	***17,000***	***3,200***	***2,900***	***790***	***3,000***	*<250*	--	--	--	
7/23/2002	NP	22.45	6.00	10.50	7.36	15.09	***4,600***	***1,400***	30	***160***	***470***	*110*	--	1.7	7.5	d
10/16/2002	NP	22.45	6.00	10.50	7.66	14.79	***5,400***	***1,300***	<20	***62***	***150***	*<100*	--	1.1	7.5	d
1/23/2003	NP	22.45	6.00	10.50	6.28	16.17	***<5,000***	***110***	*<50*	***<50***	*98*	*<50*	--	1.1	7.6	g
4/7/2003	--	22.45	6.00	10.50	7.21	15.24	***1,600***	***310***	18	*36*	*62*	*32*	--	1.5	7.2	
8/7/2003	--	22.45	6.00	10.50	7.46	14.99	<50	*1.8*	<0.50	<0.50	<0.50	3.5	--	12.2	9	m
10/23/2003	NP	22.45	6.00	10.50	7.68	14.77	76	*14*	<0.50	0.77	0.61	*12*	--	--	--	m
01/12/2004	NP	22.45	6.00	10.50	6.34	16.11	<50	*1.5*	0.68	<0.50	0.62	*11*	--	6.8	8.8	
04/20/2004	NP	23.47	6.00	10.50	8.12	15.35	***300***	***53***	13	12	*29*	*12*	--	8.9	8.5	r
07/01/2004	NP	23.47	6.00	10.50	8.62	14.85	<50	0.56	<0.50	<0.50	<0.50	*11*	--	10.6	8.5	
11/04/2004	NP	23.47	6.00	10.50	7.01	16.46	90	*6.3*	0.94	1.3	5.7	*9.4*	--	7.5	7.6	
01/10/2005	NP	23.47	6.00	10.50	5.51	17.96	***710***	0.55	<0.50	0.52	*53*	*40*	--	1.54	7.2	
04/14/2005	NP	23.47	6.00	10.50	5.67	17.80	***1,800***	***130***	5.9	***54***	***350***	*40*	--	2.0	6.8	
08/02/2005	NP	23.47	6.00	10.50	5.94	17.53	***3,800***	***210***	7.3	***250***	***520***	*19*	--	--	6.9	
10/21/2005	NP	23.47	6.00	10.50	6.69	16.78	***4,100***	***330***	7.4	***190***	***420***	*16*	--	1.42	6.9	
01/04/2006	NP	23.47	6.00	10.50	5.55	17.92	***5,100***	***580***	14	***210***	***420***	*30*	--	0.62	6.8	
04/28/2006	NP	23.47	6.00	10.50	5.52	17.95	***2,900***	***190***	5.9	***59***	***150***	*9.9*	--	1.74	7.0	
8/4/2006	NP	23.47	6.00	10.50	6.51	16.96	***3,800***	***380***	7.6	*34*	***140***	*14*	--	0.82	6.9	
10/23/2006	P	23.47	6.00	10.50	7.34	16.13	***3,300***	***310***	*96*	***70***	***210***	*13*	--	--	6.99	
1/15/2007	P	23.47	6.00	10.50	6.67	16.80	***5,600***	***320***	***300***	***220***	***820***	*10*	--	1.03	7.03	
4/17/2007	NP	23.47	6.00	10.50	6.72	16.75	***3,400***	***200***	12	***160***	***250***	*5.9*	--	2.25	7.11	
7/9/2007	NP	23.47	6.00	10.50	7.30	16.17	***2,600***	***240***	7.0	15	*63*	*6.9*	--	2.28	7.16	
10/1/2007	NP	23.47	6.00	10.50	7.56	15.91	***2,300***	***220***	5.4	4.6	13	4.2	--	2.33	7.19	
1/7/2008	NP	23.47	6.00	10.50	6.12	17.35	***2,100***	***190***	8.8	18	*46*	4.1	--	1.06	6.97	
4/1/2008	NP	23.47	6.00	10.50	6.48	16.99	***2,300***	***87***	2.9	27	*68*	1.8	--	2.50	7.01	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-5 Cont.																
7/23/2008	NP	23.47	6.00	10.50	7.16	16.31	***2,900***	***210***	<10	***52***	*78*	*<10*	--	1.4	7.03	
10/22/2008	NP	23.47	6.00	10.50	7.77	15.70	***4,000***	***310***	7.4	<5.0	7.9	<5.0	--	2.64	7.01	
1/21/2009	P	23.47	6.00	10.50	7.26	16.21	***2,300***	***51***	<5.0	9.4	17	<5.0	--	0.19	7.18	a
4/21/2009	NP	23.47	6.00	10.50	6.83	16.64	***2,100***	0.69	<0.50	<0.50	11	0.74	--	1.54	7.08	
7/21/2009	--	23.47	6.00	10.50	7.57	15.90	--	--	--	--	--	--	--	--	--	
1/12/2010	--	23.47	6.00	10.50	6.80	16.67	--	--	--	--	--	--	--	--	--	
6/3/2010	P	23.47	6.00	10.50	6.38	17.09	***6,200***	***140***	18	***78***	***110***	<2.5	--	1.77	6.9	
7/22/2010	--	23.47	6.00	10.50	7.08	16.39	--	--	--	--	--	--	--	--	--	
2/18/2011	--	23.47	6.00	10.50	6.37	17.10	--	--	--	--	--	--	--	--	--	
MW-6																
6/10/1991	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
10/10/1991	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
3/23/1992	--	22.08	5.50	9.00	7.45	14.63	***75,000***	***19,000***	***10,000***	***1,600***	***8,600***	--	--	--	--	
6/8/1992	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
9/15/1992	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/16/1992	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
2/16/1993	--	22.08	5.50	9.00	6.79	15.29	***65,000***	***14,000***	***3,500***	***1,300***	***6,100***	--	--	--	--	
5/13/1993	--	22.08	5.50	9.00	7.73	14.35	***36,000***	***8,200***	***870***	***1,000***	***5,200***	--	--	--	--	
8/17/1993	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/8/1993	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
2/14/1994	--	22.08	5.50	9.00	7.78	14.30	***47,000***	***14,000***	***390***	***1,000***	***5,100***	--	--	--	--	
5/5/1994	--	22.08	5.50	9.00	8.24	13.84	***45,000***	***14,000***	***<200***	***1,300***	***4,500***	--	--	--	--	n
8/4/1994	--	22.08	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/20/1994	--	22.08	5.50	9.00	7.41	14.67	***30,000***	***11,000***	*<100*	***1,200***	***2,300***	--	--	--	--	n
3/17/1995	--	22.08	5.50	9.00	6.66	15.42	***45,000***	***9,300***	*<100*	***1,900***	***3,600***	--	--	--	--	n
6/1/1995	--	22.08	5.50	9.00	7.60	14.48	***23,000***	***5,600***	*<50*	***1,300***	***1,900***	--	--	--	--	
8/31/1995	--	22.08	5.50	9.00	7.92	14.16	***26,000***	***8,000***	*<100*	***1,900***	***900***	*<500*	--	--	--	
11/27/1995	--	22.08	5.50	9.00	8.21	13.87	***6,700***	***1,800***	<20	***480***	***230***	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-6 Cont.																
2/22/1996	--	22.08	5.50	9.00	6.21	15.87	***17,000***	***3,100***	*69*	***810***	***1,500***	*<300*	--	--	--	
5/20/1996	--	22.08	5.50	9.00	7.07	15.01	***16,000***	***3,700***	*<50*	***1,100***	***1,100***	*<300*	--	--	--	
8/26/1996	--	22.08	5.50	9.00	7.93	14.15	***23,000***	***5,800***	*<50*	***2,000***	***560***	*<300*	--	--	--	
11/20/1996	--	22.08	5.50	9.00	8.02	14.06	***11,000***	***3,300***	*<50*	***480***	***370***	*<300*	--	--	--	j
3/24/1997	--	22.77	5.50	9.00	7.95	14.82	***9,700***	***1,900***	<20	***800***	***270***	*<100*	--	--	--	
5/23/1997	--	22.77	5.50	9.00	8.17	14.60	***16,000***	***4,300***	*<50*	***1,400***	***180***	*<300*	--	--	--	
8/19/1997	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/19/1997	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
2/19/1998	--	22.77	5.50	9.00	5.78	16.99	***2,600***	***540***	8	***90***	*88*	*<30*	--	--	--	
4/23/1998	--	22.77	5.50	9.00	6.83	15.94	***7,600***	***1,300***	13	***520***	***190***	*<60*	--	0.5	--	
7/27/1998	--	22.77	5.50	9.00	7.80	14.97	***15,000***	***3,600***	<25	***1,100***	***230***	*<150*	--	1	--	
10/14/1998	--	22.77	5.50	9.00	8.31	14.46	***8,700***	***2,400***	<20	***220***	*36*	*<120*	--	2	--	
1/21/1999	--	22.77	5.50	9.00	7.90	14.87	***4,800***	***1,100***	<25	***340***	*79*	*<150*	--	2	--	
5/6/1999	--	22.77	5.50	9.00	7.70	15.07	***1,300***	***240***	2.3	***85***	19	5	--	1.18	--	
8/23/1999	--	22.77	5.50	9.00	8.24	14.53	***4,200***	***970***	12	***110***	*29*	*<15*	--	0.9	--	
10/28/1999	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
2/4/2000	--	22.77	5.50	9.00	7.31	15.46	*110*	<0.5	0.6	1.5	1.9	*11*	--	1.1	--	
6/20/2000	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
9/29/2000	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
12/17/2000	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
3/28/2001	--	22.77	5.50	9.00	7.57	15.20	--	--	--	--	--	--	--	--	--	b
6/20/2001	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
9/22/2001	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
12/27/2001	--	22.77	5.50	9.00	7.21	15.56	<50	*2.6*	0.57	1.1	1.6	<2.5	--	--	--	
3/15/2002	--	22.77	5.50	9.00	7.51	15.26	***2,100***	***380***	8.6	***110***	17	*<25*	--	--	--	
4/18/2002	--	22.77	5.50	9.00	6.89	15.88	***2,200***	***440***	12	***96***	14	*52*	--	--	--	
7/23/2002	NP	22.77	5.50	9.00	8.50	14.27	--	--	--	--	--	--	--	--	--	
10/16/2002	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-6 Cont.																
1/23/2003	NP	22.77	5.50	9.00	8.05	14.72	***<5,000***	***<50***	*<50*	***<50***	*<50*	*<50*	--	2.1	6.4	g
1/23/2003	--	22.77	5.50	9.00	8.05	14.72	***<250***	***58***	<2.5	6.2	3.8	*17*	--	2.1	--	g, h
4/7/2003	--	22.77	5.50	9.00	8.11	14.66	***330***	*13*	<0.50	2.7	8.6	*15*	--	2.2	6.9	
8/7/2003	--	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
10/23/2003	NP	22.77	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	
01/12/2004	NP	22.77	5.50	9.00	7.63	15.14	***3,600***	***560***	<25	***120***	*<25*	*150*	--	0.6	7.1	
04/20/2004	NP	24.66	5.50	9.00	8.54	16.12	--	--	--	--	--	--	--	--	--	c, r
07/01/2004	--	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
11/04/2004	NP	24.66	5.50	9.00	8.10	16.56	***4,900***	***580***	<10	***180***	*30*	*230*	--	2.9	6.9	
01/10/2005	NP	24.66	5.50	9.00	7.03	17.63	***5,400***	***540***	<25	***150***	*46*	*240*	--	1.29	6.9	
04/14/2005	NP	24.66	5.50	9.00	6.85	17.81	***3,600***	***410***	5.2	***100***	*25*	*210*	--	2.7	--	
08/02/2005	NP	24.66	5.50	9.00	7.28	17.38	***4,300***	***340***	<5.0	***110***	*44*	*150*	--	--	6.8	
10/21/2005	NP	24.66	5.50	9.00	7.38	17.28	***3,400***	***250***	<5.0	***80***	20	*110*	--	2.38	6.8	
01/04/2006	NP	24.66	5.50	9.00	7.20	17.46	***2,800***	***270***	4.0	***75***	14	*130*	--	1.07	7.3	
04/28/2006	NP	24.66	5.50	9.00	6.60	18.06	***4,400***	***170***	<2.5	***45***	7.2	*170*	--	1.3	6.8	
8/4/2006	NP	24.66	5.50	9.00	7.50	17.16	***2,200***	***93***	<2.5	15	9.0	*110*	--	1.23	6.7	
10/23/2006	--	24.66	5.50	9.00	8.48	16.18	--	--	--	--	--	--	--	--	--	
1/15/2007	--	24.66	5.50	9.00	8.05	16.61	--	--	--	--	--	--	--	--	--	
4/17/2007	NP	24.66	5.50	9.00	7.58	17.08	***330***	*5.6*	<1.0	1.5	1.2	*24*	--	1.82	7.02	
7/9/2007	NP	24.66	5.50	9.00	8.34	16.32	***1,600***	***63***	1.4	16	9.4	*51*	--	1.73	7.13	
10/1/2007	--	24.66	5.50	9.00	8.60	16.06	--	--	--	--	--	--	--	--	--	
1/7/2008	NP	24.66	5.50	9.00	7.22	17.44	***300***	*2.2*	<0.50	2.8	1.0	*37*	--	3.24	7.16	
4/1/2008	NP	24.66	5.50	9.00	7.87	16.79	*110*	<0.50	<0.50	<0.50	<0.50	1.4	--	6.21	7.19	
7/23/2008	--	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
10/22/2008	--	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
1/21/2009	--	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b
4/21/2009	--	24.66	5.50	9.00	7.91	16.75	--	--	--	--	--	--	--	--	--	c
7/21/2009	--	24.66	5.50	9.00	--	--	--	--	--	--	--	--	--	--	--	b

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Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-6 Cont.																
1/12/2010	--	24.66	5.50	9.00	8.11	16.55	--	--	--	--	--	--	--	--	--	
6/3/2010	--	24.66	5.50	9.00	7.45	17.21	--	--	--	--	--	--	--	--	--	
7/22/2010	--	24.66	5.50	9.00	8.19	16.47	--	--	--	--	--	--	--	--	--	
2/18/2011	--	24.66	5.50	9.00	7.48	17.18	--	--	--	--	--	--	--	--	--	
MW-7																
6/10/1991	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
10/10/1991	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
3/23/1992	--	22.89	8.00	10.00	8.20	14.69	***270***	*10*	0.5	3	13	--	--	--	--	
6/8/1992	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
9/15/1992	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
11/16/1992	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
2/16/1993	--	22.89	8.00	10.00	7.84	15.05	*120*	*3.6*	<0.5	<0.5	1.2	--	--	--	--	
5/13/1993	--	22.89	8.00	10.00	8.56	14.33	<50	0.8	<0.5	<0.5	<0.5	--	--	--	--	
8/17/1993	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
11/8/1993	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
2/14/1994	--	22.89	8.00	10.00	8.80	14.09	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/5/1994	--	22.89	8.00	10.00	9.11	13.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/4/1994	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
11/20/1994	--	22.89	8.00	10.00	8.72	14.17	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
3/17/1995	--	22.89	8.00	10.00	7.68	15.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
6/1/1995	--	22.89	8.00	10.00	8.40	14.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/31/1995	--	22.89	8.00	10.00	9.09	13.80	<50	<0.5	<0.5	0.6	<0.5	<3	--	--	--	
11/27/1995	--	22.89	8.00	10.00	9.15	13.74	<50	<0.5	<0.5	0.9	<0.5	--	--	--	--	
2/22/1996	--	22.89	8.00	10.00	7.44	15.45	*110*	*1.4*	<0.5	3.8	3	<3	--	--	--	
5/20/1996	--	22.89	8.00	10.00	8.47	14.42	--	--	--	--	--	--	--	--	--	
8/26/1996	--	22.89	8.00	10.00	8.81	14.08	--	--	--	--	--	--	--	--	--	
11/20/1996	--	22.89	8.00	10.00	9.17	13.72	--	--	--	--	--	--	--	--	--	
3/24/1997	--	22.89	8.00	10.00	8.31	14.58	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-7 Cont.																
5/23/1997	--	22.89	8.00	10.00	9.26	13.63	--	--	--	--	--	--	--	--	--	
8/19/1997	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
11/19/1997	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
2/19/1998	--	22.89	8.00	10.00	6.13	16.76	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
4/23/1998	--	22.89	8.00	10.00	7.44	15.45	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.5	--	
7/27/1998	--	22.89	8.00	10.00	8.75	14.14	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--	
10/14/1998	--	22.89	8.00	10.00	9.22	13.67	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--	
1/21/1999	--	22.89	8.00	10.00	9.07	13.82	52	<0.5	<0.5	<0.5	0.27	<3	--	3.0	--	
5/6/1999	--	22.89	8.00	10.00	8.32	14.57	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.83	--	
8/23/1999	--	22.89	8.00	10.00	9.25	13.64	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.42	--	
10/28/1999	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
2/4/2000	--	22.89	8.00	10.00	8.79	14.10	<50	<0.5	<0.5	<0.5	<1	<3	--	4.46	--	
6/20/2000	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
9/29/2000	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
12/17/2000	--	22.89	8.00	10.00	8.93	13.96	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
3/28/2001	--	22.89	8.00	10.00	8.35	14.54	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
9/22/2001	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
12/27/2001	--	22.89	8.00	10.00	8.42	14.47	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
3/15/2002	--	22.89	8.00	10.00	8.54	14.35	<50	*1.3*	2.6	1.1	5.4	<2.5	--	--	--	
4/18/2002	--	22.89	8.00	10.00	7.84	15.05	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	3.32	--	
7/23/2002	NP	22.89	8.00	10.00	9.51	13.38	--	--	--	--	--	--	--	--	--	
10/16/2002	--	22.89	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
1/23/2003	NP	22.89	8.00	10.00	8.04	14.85	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.4	6.7	g
4/7/2003	--	22.89	8.00	10.00	8.39	14.50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.1	6.9	
8/7/2003	--	22.89	8.00	10.00	9.01	13.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	4.5	6.9	
10/23/2003	NP	22.89	8.00	10.00	9.22	13.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	
01/12/2004	NP	22.89	8.00	10.00	8.81	14.08	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.8	7.3	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-7 Cont.																
04/20/2004	NP	25.46	8.00	10.00	8.95	16.51	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.6	7.2	r
07/01/2004	--	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
11/04/2004	NP	25.46	8.00	10.00	9.04	16.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	5.4	7.1	
01/10/2005	NP	25.46	8.00	10.00	8.25	17.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.02	7.0	
04/14/2005	--	25.46	8.00	10.00	7.95	17.51	--	--	--	--	--	--	--	--	--	
08/02/2005	NP	25.46	8.00	10.00	8.40	17.06	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	6.8	
10/21/2005	--	25.46	8.00	10.00	8.92	16.54	--	--	--	--	--	--	--	--	--	
01/04/2006	--	25.46	8.00	10.00	8.62	16.84	--	--	--	--	--	--	--	--	--	
04/28/2006	--	25.46	8.00	10.00	7.78	17.68	--	--	--	--	--	--	--	--	--	
8/4/2006	NP	25.46	8.00	10.00	8.78	16.68	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	4.49	7.2	
10/23/2006	--	25.46	8.00	10.00	9.39	16.07	--	--	--	--	--	--	--	--	--	
1/15/2007	--	25.46	8.00	10.00	9.06	16.40	--	--	--	--	--	--	--	--	--	
4/17/2007	--	25.46	8.00	10.00	9.12	16.34	--	--	--	--	--	--	--	--	--	
7/9/2007	NP	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
10/1/2007	--	25.46	8.00	10.00	9.60	15.86	--	--	--	--	--	--	--	--	--	
1/7/2008	--	25.46	8.00	10.00	8.99	16.47	--	--	--	--	--	--	--	--	--	
4/1/2008	--	25.46	8.00	10.00	8.35	17.11	--	--	--	--	--	--	--	--	--	
7/23/2008	--	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
10/22/2008	--	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
1/21/2009	--	25.46	8.00	10.00	9.35	16.11	--	--	--	--	--	--	--	--	--	
4/21/2009	--	25.46	8.00	10.00	8.72	16.74	--	--	--	--	--	--	--	--	--	
7/21/2009	--	25.46	8.00	10.00	--	--	--	--	--	--	--	--	--	--	--	b
1/12/2010	--	25.46	8.00	10.00	9.11	16.35	--	--	--	--	--	--	--	--	--	
6/3/2010	--	25.46	8.00	10.00	8.34	17.12	--	--	--	--	--	--	--	--	--	
7/22/2010	--	25.46	8.00	10.00	9.13	16.33	--	--	--	--	--	--	--	--	--	
2/18/2011	--	25.46	8.00	10.00	8.51	16.95	--	--	--	--	--	--	--	--	--	
MW-8																
6/10/1991	--	20.97	6.50	10.50	7.80	13.17	***5,800***	***73***	7.2	***150***	*21*	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-8 Cont.																
10/10/1991	--	20.97	6.50	10.50	8.87	12.10	***2,800***	*31*	6.1	4.5	3.9	--	--	--	--	
3/23/1992	--	20.97	6.50	10.50	5.81	15.16	***8,000***	*18*	<5	***320***	*42*	--	--	--	--	n
6/8/1992	--	20.97	6.50	10.50	8.01	12.96	***4,000***	*<10*	<10	***110***	<10	--	--	--	--	n
9/15/1992	--	20.97	6.50	10.50	8.80	12.17	***4,200***	*6.4*	<5	***120***	<5	--	--	--	--	n
11/16/1992	--	20.97	6.50	10.50	8.19	12.78	***2,600***	*4*	<2.5	21	5.2	--	--	--	--	n
2/16/1993	--	20.97	6.50	10.50	5.84	15.13	***8,700***	*<5*	<5	***200***	<5	--	--	--	--	n
5/13/1993	--	20.97	6.50	10.50	6.93	14.04	***2,300***	*<5*	<5	*42*	<5	--	--	--	--	n
8/17/1993	--	20.97	6.50	10.50	7.87	13.10	***1,700***	*1.8*	<1.3	16	1.2	--	--	--	--	n
11/8/1993	--	20.97	6.50	10.50	8.31	12.66	***1,200***	*2.4*	<1	19	2.3	--	--	--	--	n
2/14/1994	--	20.97	6.50	10.50	7.00	13.97	***3,600***	*3*	<1	***72***	<1	--	--	--	--	n
5/5/1994	--	20.97	6.50	10.50	7.46	13.51	***2,100***	*<2.5*	<2.5	8.3	<2.5	--	--	--	--	n
8/4/1994	--	20.97	6.50	10.50	8.17	12.80	***1,200***	*1.5*	<1	6.7	<1	--	--	--	--	n
11/20/1994	--	20.97	6.50	10.50	6.78	14.19	***2,300***	*1.2*	1.1	20	2.2	--	--	--	--	
3/17/1995	--	20.97	6.50	10.50	6.14	14.83	***5,400***	*<5*	<5	*35*	<5	--	--	--	--	n
6/1/1995	--	20.97	6.50	10.50	6.50	14.47	***2,600***	*<2.5*	<2.5	15	<2.5	--	--	--	--	
8/31/1995	--	20.97	6.50	10.50	7.35	13.62	***1,400***	*<3*	<3	5	<3	*520*	--	--	--	
11/27/1995	--	20.97	6.50	10.50	7.60	13.37	***620***	<0.5	<0.5	<0.5	0.5	*560*	--	--	--	
2/22/1996	--	20.97	6.50	10.50	5.35	15.62	***5,800***	*<5*	<5	28	<5	*110*	--	--	--	
5/20/1996	--	20.97	6.50	10.50	5.92	15.05	***6,100***	*<5*	<5	26	<5	*240*	--	--	--	
8/26/1996	--	20.97	6.50	10.50	7.08	13.89	***970***	<1	<1	3	<1	*710*	--	--	--	
11/20/1996	--	20.97	6.50	10.50	7.01	13.96	***3,900***	*<2.5*	<2.5	12	<2.5	*930*	--	--	--	
3/24/1997	--	20.89	6.50	10.50	7.33	13.56	***1,400***	*<10*	<10	<10	12	*1,300*	--	--	--	
5/23/1997	--	20.89	6.50	10.50	7.55	13.34	***730***	*<5*	<5	<5	<5	*630*	--	--	--	
8/19/1997	--	20.89	6.50	10.50	7.87	13.02	***<500***	*<5*	<5	<5	<5	*290*	--	--	--	
11/19/1997	--	20.89	6.50	10.50	7.87	13.02	*<200*	*<2*	<2	<2	<2	*260*	--	--	--	
2/19/1998	--	20.89	6.50	10.50	4.46	16.43	***2,000***	*<2*	<2	9	<2	*140*	--	--	--	
4/23/1998	--	20.89	6.50	10.50	6.35	14.54	***4,500***	*<5*	<5	<5	11	*590*	--	0.5	--	
7/27/1998	--	20.89	6.50	10.50	7.43	13.46	--	--	--	--	--	--	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-8 Cont.																
10/14/1998	--	20.89	6.50	10.50	7.79	13.10	--	--	--	--	--	--	--	--	--	
1/21/1999	--	20.89	6.50	10.50	6.54	14.35	***2,000***	*<2*	<2	3	<2	*320*	--	2.5	--	
5/6/1999	--	20.89	6.50	10.50	7.30	13.59	<50	<0.5	<0.5	<0.5	<0.5	*160*	--	12.76	--	
8/23/1999	--	20.89	6.50	10.50	7.45	13.44	<50	<0.5	<0.5	<0.5	<0.5	5	--	7.85	--	
10/28/1999	--	20.89	6.50	10.50	8.22	12.67	*160*	<0.5	<0.5	<0.5	<1	*45*	--	0.84	--	
2/4/2000	--	20.89	6.50	10.50	8.47	12.42	<50	<0.5	<0.5	<0.5	<1	<3	--	1.92	--	
6/20/2000	--	20.89	6.50	10.50	7.23	13.66	*150*	<0.5	0.9	<0.5	<1.0	*310*	--	--	--	
9/29/2000	--	20.89	6.50	10.50	7.91	12.98	*149*	<0.5	<0.5	<0.5	<0.5	*438*	--	--	--	
12/17/2000	--	20.89	6.50	10.50	7.11	13.78	***662***	*<5.0*	<5.0	<5.0	<5.0	*273*	--	--	--	
3/28/2001	--	20.89	6.50	10.50	6.88	14.01	***840***	*<5.0*	<5.0	<5.0	<5.0	*320*	--	--	--	
6/20/2001	--	20.89	6.50	10.50	7.25	13.64	***230***	<0.5	<0.5	<0.5	0.65	*330*	--	--	--	
9/22/2001	--	20.89	6.50	10.50	8.14	12.75	<50	<0.5	<0.5	<0.5	<0.5	*6.5*	--	--	--	
12/27/2001	--	20.89	6.50	10.50	6.73	14.16	***780***	<0.5	<0.5	0.6	0.89	*160*	--	--	--	
3/15/2002	--	20.89	6.50	10.50	6.94	13.95	***1,100***	*<10*	<10	<10	<10	*830*	--	--	--	
4/18/2002	--	20.89	6.50	10.50	--	--	--	--	--	--	--	--	--	--	--	
7/23/2002	NP	20.89	6.50	10.50	7.89	13.00	<50	<0.50	<0.50	<0.50	<0.50	*8.7*	--	4.5	7.7	
10/16/2002	NP	20.89	6.50	10.50	8.13	12.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	4.2	7.5	
1/23/2003	NP	20.89	6.50	10.50	6.47	14.42	<50	<0.50	<0.50	<0.50	<0.50	2.6	--	4.0	7.5	g
4/7/2003	--	20.89	6.50	10.50	7.49	13.40	<50	<0.50	<0.50	<0.50	<0.50	*19*	--	4.7	7.5	
8/7/2003	--	20.89	6.50	10.50	7.93	12.96	<50	<0.50	<0.50	<0.50	<0.50	0.96	--	14.8	8.3	m
10/23/2003	NP	20.89	6.50	10.50	7.83	13.06	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	--	--	
01/12/2004	NP	20.89	6.50	10.50	6.62	14.27	<50	<0.50	<0.50	<0.50	<0.50	*13*	--	11.2	9.0	
04/20/2004	NP	23.55	6.50	10.50	8.21	15.34	55	<0.50	<0.50	<0.50	<0.50	*25*	--	10.1	8.7	r
07/01/2004	NP	23.55	6.50	10.50	8.48	15.07	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	14.3	8.0	
11/04/2004	NP	23.55	6.50	10.50	7.19	16.36	<50	<0.50	<0.50	<0.50	<0.50	*13*	--	12.0	7.9	
01/10/2005	NP	23.55	6.50	10.50	5.42	18.13	<50	<0.50	<0.50	<0.50	<0.50	*10*	--	2.65	7.1	
04/14/2005	--	23.55	6.50	10.50	5.74	17.81	--	--	--	--	--	--	--	--	--	
08/02/2005	NP	23.55	6.50	10.50	6.60	16.95	<50	<0.50	<0.50	<0.50	<0.50	*16*	--	--	7.1	

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-8 Cont.																
10/21/2005	--	23.55	6.50	10.50	--	--	--	--	--	--	--	--	--	--	--	Well inaccessible p
01/04/2006	--	23.55	6.50	10.50	4.97	18.58	--	--	--	--	--	--	--	--	--	
04/28/2006	--	23.55	6.50	10.50	5.67	17.88	--	--	--	--	--	--	--	--	--	
8/4/2006	NP	23.55	6.50	10.50	7.37	16.18	<50	<0.50	<0.50	<0.50	<0.50	*16*	--	0.76	7.3	
10/23/2006	--	23.55	6.50	10.50	7.74	15.81	--	--	--	--	--	--	--	--	--	
1/15/2007	--	23.55	6.50	10.50	7.04	16.51	--	--	--	--	--	--	--	--	--	
4/17/2007	--	23.55	6.50	10.50	6.94	16.61	--	--	--	--	--	--	--	--	--	
7/9/2007	NP	23.55	6.50	10.50	7.71	15.84	<50	<0.50	<0.50	<0.50	<0.50	*17*	--	1.90	7.25	
10/1/2007	--	23.55	6.50	10.50	8.00	15.55	--	--	--	--	--	--	--	--	--	
1/7/2008	--	23.55	6.50	10.50	5.79	17.76	--	--	--	--	--	--	--	--	--	
4/1/2008	--	23.55	6.50	10.50	6.89	16.66	--	--	--	--	--	--	--	--	--	
7/23/2008	NP	23.55	6.50	10.50	7.80	15.75	<50	<0.50	<0.50	<0.50	<0.50	*8.6*	--	1.62	7.08	
10/22/2008	--	23.55	6.50	10.50	8.19	15.36	--	--	--	--	--	--	--	--	--	
1/21/2009	--	23.55	6.50	10.50	7.75	15.80	--	--	--	--	--	--	--	--	--	
4/21/2009	--	23.55	6.50	10.50	6.66	16.89	--	--	--	--	--	--	--	--	--	
7/21/2009	P	23.55	6.50	10.50	7.86	15.69	<50	<0.50	<0.50	<0.50	<0.50	3.3	--	13.97	7.56	
1/12/2010	--	23.55	6.50	10.50	6.89	16.66	--	--	--	--	--	--	--	--	--	
6/3/2010	--	23.55	6.50	10.50	6.45	17.10	--	--	--	--	--	--	--	--	--	
7/22/2010	NP	23.55	6.50	10.50	7.21	16.34	<50	<0.50	<0.50	<0.50	<0.50	4.3	--	1.05	7.39	
2/18/2011	--	23.55	6.50	10.50	6.55	17.00	--	--	--	--	--	--	--	--	--	
MW-9																
6/11/1993	--	20.89	6.00	19.50	8.15	12.74	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
8/17/1993	--	20.89	6.00	19.50	8.53	12.36	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
11/8/1993	--	20.89	6.00	19.50	8.87	12.02	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
2/14/1994	--	20.89	6.00	19.50	7.47	13.42	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
5/5/1994	--	20.89	6.00	19.50	8.04	12.85	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
8/4/1994	--	20.89	6.00	19.50	8.78	12.11	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
11/20/1994	--	20.89	6.00	19.50	6.83	14.06	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-9 Cont.																
3/17/1995	--	20.89	6.00	19.50	6.94	13.95	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
6/1/1995	--	20.89	6.00	19.50	8.15	12.74	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
8/31/1995	--	20.89	6.00	19.50	8.10	12.79	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
11/27/1995	--	20.89	6.00	19.50	8.38	12.51	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
2/22/1996	--	20.89	6.00	19.50	7.36	13.53	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
5/20/1996	--	20.89	6.00	19.50	7.81	13.08	--	--	--	--	--	--	--	--	--	
8/26/1996	--	20.89	6.00	19.50	8.00	12.89	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
11/20/1996	--	20.89	6.00	19.50	7.06	13.83	--	--	--	--	--	--	--	--	--	
3/24/1997	--	22.26	6.00	19.50	7.74	14.52	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
5/23/1997	--	22.26	6.00	19.50	8.28	13.98	--	--	--	--	--	--	--	--	--	
8/19/1997	--	22.26	6.00	19.50	8.32	13.94	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
11/19/1997	--	22.26	6.00	19.50	8.32	13.94	--	--	--	--	--	--	--	--	--	
2/19/1998	--	22.26	6.00	19.50	7.11	15.15	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
4/23/1998	--	22.26	6.00	19.50	8.18	14.08	--	--	--	--	--	--	--	--	--	
7/27/1998	--	22.26	6.00	19.50	7.97	14.29	<50	<0.50	<0.50	<0.50	<0.50	<3	--	3.6	--	
10/14/1998	--	22.26	6.00	19.50	8.29	13.97	<50	<0.50	<0.50	<0.50	<0.50	<3	--	2.5	--	
1/21/1999	--	22.26	6.00	19.50	7.63	14.63	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.5	--	
5/6/1999	--	22.26	6.00	19.50	7.27	14.99	--	--	--	--	--	--	--	--	--	
8/23/1999	--	22.26	6.00	19.50	8.24	14.02	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.93	--	
10/28/1999	--	22.26	6.00	19.50	8.63	13.63	--	--	--	--	--	--	--	--	--	
2/4/2000	--	22.26	6.00	19.50	8.01	14.25	<50	<0.50	1.6	<0.50	<1	<3	--	1.47	--	
6/20/2000	--	22.26	6.00	19.50	8.01	14.25	--	--	--	--	--	--	--	--	--	
9/29/2000	--	22.26	6.00	19.50	8.44	13.82	<50	<0.5	<0.5	<0.5	<0.5	3.44	--	--	--	
12/17/2000	--	22.26	6.00	19.50	7.84	14.42	--	--	--	--	--	--	--	--	--	
3/28/2001	--	22.26	6.00	19.50	7.58	14.68	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	22.26	6.00	19.50	7.75	14.51	--	--	--	--	--	--	--	--	--	
9/22/2001	--	22.26	6.00	19.50	8.69	13.57	<50	<0.5	<0.5	<0.5	<0.5	*7.8*	--	--	--	
12/27/2001	--	22.26	6.00	19.50	7.15	15.11	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-9 Cont.																
3/15/2002	--	22.26	6.00	19.50	7.23	15.03	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
4/18/2002	--	22.26	6.00	19.50	6.79	15.47	--	--	--	--	--	--	--	--	--	
7/23/2002	P	22.26	6.00	19.50	8.30	13.96	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.4	7.2	
10/16/2002	--	22.26	6.00	19.50	8.64	13.62	--	--	--	--	--	--	--	--	--	
1/23/2003	P	22.26	6.00	19.50	7.35	14.91	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	3.0	7.2	g
4/7/2003	--	22.26	6.00	19.50	7.81	14.45	--	--	--	--	--	--	--	--	--	
8/7/2003	--	22.26	6.00	19.50	8.31	13.95	--	--	--	--	--	--	--	--	--	
10/23/2003	--	22.26	6.00	19.50	8.48	13.78	--	--	--	--	--	--	--	--	--	
01/12/2004	--	22.26	6.00	19.50	7.46	14.80	--	--	--	--	--	--	--	--	--	
04/20/2004	--	23.64	6.00	19.50	8.65	14.99	--	--	--	--	--	--	--	--	--	r
07/01/2004	P	23.64	6.00	19.50	9.03	14.61	<50	<0.50	<0.50	<0.50	<0.50	3.2	--	1.3	6.9	
11/04/2004	--	23.64	6.00	19.50	7.60	16.04	--	--	--	--	--	--	--	--	--	
01/10/2005	--	23.64	6.00	19.50	6.24	17.40	--	--	--	--	--	--	--	--	--	
04/14/2005	--	23.64	6.00	19.50	6.90	16.74	--	--	--	--	--	--	--	--	--	
08/02/2005	NP	23.64	6.00	19.50	7.60	16.04	<50	<0.50	<0.50	<0.50	<0.50	3.8	--	--	7.0	
10/21/2005	--	23.64	6.00	19.50	8.09	15.55	--	--	--	--	--	--	--	--	--	
01/04/2006	--	23.64	6.00	19.50	6.15	17.49	--	--	--	--	--	--	--	--	--	
04/28/2006	--	23.64	6.00	19.50	6.95	16.69	--	--	--	--	--	--	--	--	--	
8/4/2006	NP	23.64	6.00	19.50	7.90	15.74	<50	<0.50	<0.50	<0.50	<0.50	4.0	--	1.23	7.3	
10/23/2006	--	23.64	6.00	19.50	8.30	15.34	--	--	--	--	--	--	--	--	--	
1/15/2007	--	23.64	6.00	19.50	8.82	14.82	--	--	--	--	--	--	--	--	--	
4/17/2007	--	23.64	6.00	19.50	7.89	15.75	--	--	--	--	--	--	--	--	--	
7/9/2007	NP	23.64	6.00	19.50	8.28	15.36	<50	<0.50	<0.50	<0.50	<0.50	2.0	--	1.80	7.31	
10/1/2007	--	23.64	6.00	19.50	8.50	15.14	--	--	--	--	--	--	--	--	--	
1/7/2008	--	23.64	6.00	19.50	8.38	15.26	--	--	--	--	--	--	--	--	--	
4/1/2008	--	23.64	6.00	19.50	7.92	15.72	--	--	--	--	--	--	--	--	--	
7/23/2008	NP	23.64	6.00	19.50	8.16	15.48	<50	<0.50	<0.50	<0.50	<0.50	5.0	--	1.39	7.23	
10/22/2008	--	23.64	6.00	19.50	8.71	14.93	--	--	--	--	--	--	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-9 Cont.																
1/21/2009	--	23.64	6.00	19.50	8.30	15.34	--	--	--	--	--	--	--	--	--	
4/21/2009	--	23.64	6.00	19.50	7.84	15.80	--	--	--	--	--	--	--	--	--	
7/21/2009	NP	23.64	6.00	19.50	8.35	15.29	<50	<0.50	<0.50	<0.50	<0.50	2.6	--	8.05	7.63	
1/12/2010	--	23.64	6.00	19.50	7.61	16.03	--	--	--	--	--	--	--	--	--	
6/3/2010	--	23.64	6.00	19.50	7.62	16.02	--	--	--	--	--	--	--	--	--	
7/22/2010	NP	23.64	6.00	19.50	8.13	15.51	56	<0.50	<0.50	<0.50	<0.50	4.5	--	0.88	7.03	w
2/18/2011	--	23.64	6.00	19.50	6.54	17.10	--	--	--	--	--	--	--	--	--	
MW-10																
6/11/1993	--	21.12	6.00	16.50	8.14	12.98	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
8/17/1993	--	21.12	6.00	16.50	8.54	12.58	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
11/8/1993	--	21.12	6.00	16.50	8.70	12.42	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
2/14/1994	--	21.12	6.00	16.50	7.13	13.99	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
5/5/1994	--	21.12	6.00	16.50	8.08	13.04	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
8/4/1994	--	21.12	6.00	16.50	8.84	12.28	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
11/20/1994	--	21.12	6.00	16.50	7.05	14.07	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
3/17/1995	--	21.12	6.00	16.50	6.26	14.86	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
6/1/1995	--	21.12	6.00	16.50	7.63	13.49	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
8/31/1995	--	21.12	6.00	16.50	8.17	12.95	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
11/27/1995	--	21.12	6.00	16.50	8.38	12.74	<50	<0.50	<0.50	<0.50	<0.50	--	--	--	--	
2/22/1996	--	21.12	6.00	16.50	5.41	15.71	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
5/20/1996	--	21.12	6.00	16.50	6.78	14.34	--	--	--	--	--	--	--	--	--	
8/26/1996	--	21.12	6.00	16.50	8.00	13.12	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
11/20/1996	--	21.12	6.00	16.50	7.81	13.31	--	--	--	--	--	--	--	--	--	
3/24/1997	--	21.33	6.00	16.50	7.87	13.46	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
5/23/1997	--	21.33	6.00	16.50	8.33	13.00	--	--	--	--	--	--	--	--	--	
8/19/1997	--	21.33	6.00	16.50	8.39	12.94	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
11/19/1997	--	21.33	6.00	16.50	8.39	12.94	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	
2/19/1998	--	21.33	6.00	16.50	4.65	16.68	<50	<0.50	<0.50	<0.50	<0.50	<3	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-10 Cont.																
4/23/1998	--	21.33	6.00	16.50	6.28	15.05	<50	<0.50	<0.50	<0.50	<0.50	<3	--	0.5	--	
7/27/1998	--	21.33	6.00	16.50	7.97	13.36	<50	<0.50	<0.50	<0.50	<0.50	<3	--	3.3	--	
10/14/1998	--	21.33	6.00	16.50	8.41	12.92	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.0	--	
1/21/1999	--	21.33	6.00	16.50	6.65	14.68	<50	<0.50	<0.50	<0.50	<0.50	<3	--	0.5	--	
5/6/1999	--	21.33	6.00	16.50	7.74	13.59	<50	<0.50	<0.50	<0.50	<0.50	<3	--	0.76	--	
8/23/1999	--	21.33	6.00	16.50	8.37	12.96	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.21	--	
10/28/1999	--	21.33	6.00	16.50	8.73	12.60	<50	<0.50	<0.50	<0.50	<0.50	<3	--	1.12	--	
2/4/2000	--	21.33	6.00	16.50	8.78	12.55	<50	<0.50	<0.50	<0.50	<0.50	<3	--	2.84	--	
6/20/2000	--	21.33	6.00	16.50	7.99	13.34	<0.5	<0.5	<0.5	<0.5	<0.5	<3.0	--	--	--	
9/29/2000	--	21.33	6.00	16.50	8.40	12.93	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
12/17/2000	--	21.33	6.00	16.50	7.91	13.42	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
3/28/2001	--	21.33	6.00	16.50	7.47	13.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	21.33	6.00	16.50	8.11	13.22	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
9/22/2001	--	21.33	6.00	16.50	8.77	12.56	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
12/27/2001	--	21.33	6.00	16.50	6.94	14.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
3/15/2002	--	21.33	6.00	16.50	7.48	13.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
4/18/2002	--	21.33	6.00	16.50	6.77	14.56	<50	<0.5	<0.5	<0.5	<0.5	3.8	--	1.22	--	
7/23/2002	NP	21.33	6.00	16.50	8.42	12.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.0	7.2	
10/16/2002	NP	21.33	6.00	16.50	8.77	12.56	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.0	6.4	
1/23/2003	NP	21.33	6.00	16.50	7.12	14.21	<50	<0.50	<0.50	<0.50	<0.50	1.4	--	1.3	7.4	g
4/7/2003	--	21.33	6.00	16.50	7.73	13.60	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	1.3	7.0	
8/7/2003	--	21.33	6.00	16.50	8.45	12.88	<50	<0.50	<0.50	<0.50	<0.50	1.5	--	1.3	7.3	
10/23/2003	--	21.33	6.00	16.50	8.71	12.62	--	--	--	--	--	--	--	--	--	
01/12/2004	NP	21.33	6.00	16.50	7.25	14.08	<50	<0.50	<0.50	<0.50	<0.50	1.7	--	8.2	7.5	
04/20/2004	--	23.42	6.00	16.50	8.15	15.27	--	--	--	--	--	--	--	--	--	r
07/01/2004	NP	23.42	6.00	16.50	8.90	14.52	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	1.0	7.1	
11/04/2004	--	23.42	6.00	16.50	7.68	15.74	--	--	--	--	--	--	--	--	--	
01/10/2005	NP	23.42	6.00	16.50	6.13	17.29	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	0.9	7.3	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-10 Cont.																
04/14/2005	--	23.42	6.00	16.50	6.68	16.74	--	--	--	--	--	--	--	--	--	
08/02/2005	NP	23.42	6.00	16.50	7.54	15.88	<50	<0.50	<0.50	<0.50	<0.50	1.7	--	--	7.1	
10/21/2005	--	23.42	6.00	16.50	8.12	15.30	--	--	--	--	--	--	--	--	--	
01/04/2006	NP	23.42	6.00	16.50	5.40	18.02	<50	<0.50	<0.50	<0.50	<0.50	2.0	--	1.4	7.3	
04/28/2006	--	23.42	6.00	16.50	6.65	16.77	--	--	--	--	--	--	--	--	--	
8/4/2006	NP	23.42	6.00	16.50	8.92	14.50	<50	<0.50	<0.50	<0.50	<0.50	1.8	--	0.87	7.3	
10/23/2006	--	23.42	6.00	16.50	8.23	15.19	--	--	--	--	--	--	--	--	--	
1/15/2007	P	23.42	6.00	16.50	7.47	15.95	<50	<0.50	<0.50	<0.50	<0.50	2.2	--	1.15	7.21	
4/17/2007	--	23.42	6.00	16.50	7.74	15.68	--	--	--	--	--	--	--	--	--	
7/9/2007	NP	23.42	6.00	16.50	8.35	15.07	<50	<0.50	<0.50	<0.50	<0.50	2.0	--	2.71	7.48	
10/1/2007	--	23.42	6.00	16.50	8.74	14.68	--	--	--	--	--	--	--	--	--	
1/7/2008	NP	23.42	6.00	16.50	6.02	17.40	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	1.22	7.41	
4/1/2008	--	23.42	6.00	16.50	8.97	14.45	--	--	--	--	--	--	--	--	--	
7/23/2008	NP	23.42	6.00	16.50	8.62	14.80	<50	<0.50	<0.50	<0.50	<0.50	1.9	--	1.2	7.35	
10/22/2008	--	23.42	6.00	16.50	9.02	14.40	--	--	--	--	--	--	--	--	--	
1/21/2009	P	23.42	6.00	16.50	8.55	14.87	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	0.57	7.45	
4/21/2009	--	23.42	6.00	16.50	8.15	15.27	--	--	--	--	--	--	--	--	--	
7/21/2009	NP	23.42	6.00	16.50	8.81	14.61	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	7.60	7.77	
1/12/2010	P	23.42	6.00	16.50	7.90	15.52	<50	<0.50	<0.50	<0.50	<0.50	1.3	--	2.20	7.0	
6/3/2010	--	23.42	6.00	16.50	7.53	15.89	--	--	--	--	--	--	--	--	--	
7/22/2010	NP	23.42	6.00	16.50	8.24	15.18	<50	<0.50	<0.50	<0.50	<0.50	1.6	--	--	--	
2/18/2011	NP	23.42	6.00	16.50	6.33	17.09	<50	<0.50	<0.50	<0.50	<0.50	1.7	--	0.90	5.6	
MW-11																
11/16/1992	--	22.38	7.00	12.00	9.02	13.36	***7,000***	*21*	<10	18	***230***	--	--	--	--	n
2/16/1993	--	22.38	7.00	12.00	7.11	15.27	***2,200***	*<10*	<10	11	<10	--	--	--	--	n
5/13/1993	--	22.38	7.00	12.00	8.04	14.34	***1,600***	*<2.5*	<2.5	*41*	6.8	--	--	--	--	n
8/17/1993	--	22.38	7.00	12.00	8.78	13.60	***830***	*1.4*	<1.0	25	15	--	--	--	--	n
11/8/1993	--	22.38	7.00	12.00	9.23	13.15	***370***	<1.0	<1.0	2.5	2.1	--	--	--	--	n

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-11 Cont.																
2/14/1994	--	22.38	7.00	12.00	7.94	14.44	***650***	<1	<1.0	2	4	--	--	--	--	n
5/5/1994	--	22.38	7.00	12.00	8.55	13.83	*210*	<0.5	<0.5	2.5	0.6	--	--	--	--	
8/4/1994	--	22.38	7.00	12.00	9.13	13.25	***390***	<0.5	<0.7	1.9	2.2	--	--	--	--	n
11/20/1994	--	22.38	7.00	12.00	7.73	14.65	***1,300***	*1.3*	0.5	1.5	*21*	--	--	--	--	
3/17/1995	--	22.38	7.00	12.00	6.94	15.44	100	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
6/1/1995	--	22.38	7.00	12.00	7.90	14.48	*210*	<0.5	<0.5	0.9	0.7	--	--	--	--	
8/31/1995	--	22.38	7.00	12.00	8.18	14.20	***680***	<0.5	<0.5	4	1.8	<3	--	--	--	
11/27/1995	--	22.38	7.00	12.00	8.48	13.90	***340***	<0.5	<0.5	2.2	1.6	--	--	--	--	
2/22/1996	--	22.38	7.00	12.00	6.63	15.75	*150*	<0.5	<0.5	<0.8	<0.8	<3	--	--	--	
5/20/1996	--	22.38	7.00	12.00	7.25	15.13	--	--	--	--	--	--	--	--	--	
8/26/1996	--	22.38	7.00	12.00	8.22	14.16	--	--	--	--	--	--	--	--	--	
11/20/1996	--	22.38	7.00	12.00	8.37	14.01	--	--	--	--	--	--	--	--	--	
3/24/1997	--	20.97	7.00	12.00	8.15	12.82	63	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/23/1997	--	20.97	7.00	12.00	8.48	12.49	--	--	--	--	--	--	--	--	--	
8/19/1997	--	20.97	7.00	12.00	8.67	12.30	--	--	--	--	--	--	--	--	--	
11/19/1997	--	20.97	7.00	12.00	8.67	12.30	--	--	--	--	--	--	--	--	--	
2/19/1998	--	20.97	7.00	12.00	6.25	14.72	<50	<0.5	1.6	<0.5	1.8	*7*	--	--	--	
4/23/1998	--	20.97	7.00	12.00	7.23	13.74	--	--	--	--	--	--	--	--	--	
7/27/1998	--	20.97	7.00	12.00	8.05	12.92	--	--	--	--	--	--	--	--	--	
10/14/1998	--	20.97	7.00	12.00	8.58	12.39	--	--	--	--	--	--	--	--	--	
1/21/1999	--	20.97	7.00	12.00	8.25	12.72	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.5	--	
5/6/1999	--	20.97	7.00	12.00	7.95	13.02	--	--	--	--	--	--	--	--	--	
8/23/1999	--	20.97	7.00	12.00	8.51	12.46	--	--	--	--	--	--	--	0.86	--	
10/28/1999	--	20.97	7.00	12.00	8.95	12.02	--	--	--	--	--	--	--	--	--	
2/4/2000	--	20.97	7.00	12.00	7.88	13.09	<50	<0.5	<0.5	<0.5	<1	<3	--	3.29	--	
6/20/2000	--	20.97	7.00	12.00	8.18	12.79	--	--	--	--	--	--	--	--	--	
9/29/2000	--	20.97	7.00	12.00	8.60	12.37	--	--	--	--	--	--	--	--	--	
12/17/2000	--	20.97	7.00	12.00	8.48	12.49	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-11 Cont.																
3/28/2001	--	20.97	7.00	12.00	7.88	13.09	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	20.97	7.00	12.00	8.48	12.49	--	--	--	--	--	--	--	--	--	
9/22/2001	--	20.97	7.00	12.00	9.11	11.86	--	--	--	--	--	--	--	--	--	
12/27/2001	--	20.97	7.00	12.00	7.50	13.47	--	--	--	--	--	--	--	--	--	
3/15/2002	--	20.97	7.00	12.00	7.87	13.10	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
4/18/2002	--	20.97	7.00	12.00	7.22	13.75	--	--	--	--	--	--	--	--	--	
7/23/2002	--	20.97	7.00	12.00	8.76	12.21	--	--	--	--	--	--	--	--	--	
10/16/2002	--	20.97	7.00	12.00	9.15	11.82	--	--	--	--	--	--	--	--	--	
1/23/2003	P	20.97	7.00	12.00	7.61	13.36	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.4	7.4	g
4/7/2003	--	20.97	7.00	12.00	8.25	12.72	--	--	--	--	--	--	--	--	--	
8/7/2003	--	20.97	7.00	12.00	8.84	12.13	--	--	--	--	--	--	--	--	--	
10/23/2003	--	20.97	7.00	12.00	9.09	11.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	
01/12/2004	--	20.97	7.00	12.00	7.70	13.27	--	--	--	--	--	--	--	--	--	
04/20/2004	--	24.97	7.00	12.00	9.18	15.79	--	--	--	--	--	--	--	--	--	r
07/01/2004	P	24.97	7.00	12.00	9.90	15.07	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.8	7.01	o
11/04/2004	--	24.97	7.00	12.00	8.21	16.76	--	--	--	--	--	--	--	--	--	
01/10/2005	--	24.97	7.00	12.00	6.94	18.03	--	--	--	--	--	--	--	--	--	
04/14/2005	--	24.97	7.00	12.00	6.77	18.20	--	--	--	--	--	--	--	--	--	
08/02/2005	--	24.97	7.00	12.00	7.57	17.40	--	--	--	--	--	--	--	--	--	
10/21/2005	--	24.97	7.00	12.00	8.08	16.89	--	--	--	--	--	--	--	--	--	
01/04/2006	--	24.97	7.00	12.00	7.20	17.77	--	--	--	--	--	--	--	--	--	
04/28/2006	--	24.97	7.00	12.00	6.90	18.07	--	--	--	--	--	--	--	--	--	
8/4/2006	--	24.97	7.00	12.00	8.32	16.65	--	--	--	--	--	--	--	--	--	
10/23/2006	--	24.97	7.00	12.00	8.75	16.22	--	--	--	--	--	--	--	--	--	
1/15/2007	--	24.97	7.00	12.00	8.19	16.78	--	--	--	--	--	--	--	--	--	
4/17/2007	--	24.97	7.00	12.00	8.32	16.65	--	--	--	--	--	--	--	--	--	
7/9/2007	--	24.97	7.00	12.00	8.73	16.24	--	--	--	--	--	--	--	--	--	
10/1/2007	--	24.97	7.00	12.00	8.65	16.32	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-11 Cont.																
1/7/2008	--	24.97	7.00	12.00	7.52	17.45	--	--	--	--	--	--	--	--	--	
4/1/2008	--	24.97	7.00	12.00	8.18	16.79	--	--	--	--	--	--	--	--	--	
7/23/2008	--	24.97	7.00	12.00	9.27	15.70	--	--	--	--	--	--	--	--	--	
10/22/2008	--	24.97	7.00	12.00	9.11	15.86	--	--	--	--	--	--	--	--	--	
1/21/2009	--	24.97	7.00	12.00	8.72	16.25	--	--	--	--	--	--	--	--	--	
4/21/2009	--	24.97	7.00	12.00	8.22	16.75	--	--	--	--	--	--	--	--	--	
7/21/2009	--	24.97	7.00	12.00	8.98	15.99	--	--	--	--	--	--	--	--	--	
1/12/2010	--	24.97	7.00	12.00	8.39	16.58	--	--	--	--	--	--	--	--	--	
6/3/2010	--	24.97	7.00	12.00	7.77	17.20	--	--	--	--	--	--	--	--	--	
7/22/2010	--	24.97	7.00	12.00	8.41	16.56	--	--	--	--	--	--	--	--	--	
2/18/2011	--	24.97	7.00	12.00	7.76	17.21	--	--	--	--	--	--	--	--	--	
MW-12																
11/16/1992	--	22.77	7.50	12.50	9.65	13.12	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/16/1993	--	22.77	7.50	12.50	7.88	14.89	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/13/1993	--	22.77	7.50	12.50	8.63	14.14	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/17/1993	--	22.77	7.50	12.50	9.30	13.47	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/8/1993	--	22.77	7.50	12.50	9.72	13.05	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/14/1994	--	22.77	7.50	12.50	8.24	14.53	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/5/1994	--	22.77	7.50	12.50	8.97	13.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/4/1994	--	22.77	7.50	12.50	9.57	13.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/20/1994	--	22.77	7.50	12.50	8.06	14.71	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
3/17/1995	--	22.77	7.50	12.50	7.09	15.68	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
6/1/1995	--	22.77	7.50	12.50	8.40	14.37	--	--	--	--	--	--	--	--	--	
8/31/1995	--	22.77	7.50	12.50	8.55	14.22	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
11/27/1995	--	22.77	7.50	12.50	8.95	13.82	--	--	--	--	--	--	--	--	--	
2/22/1996	--	22.77	7.50	12.50	6.81	15.96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/20/1996	--	22.77	7.50	12.50	7.56	15.21	--	--	--	--	--	--	--	--	--	
8/26/1996	--	22.77	7.50	12.50	8.63	14.14	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-12 Cont.																
11/20/1996	--	22.77	7.50	12.50	8.38	14.39	--	--	--	--	--	--	--	--	--	
3/24/1997	--	20.11	7.50	12.50	8.75	11.36	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/23/1997	--	20.11	7.50	12.50	8.92	11.19	--	--	--	--	--	--	--	--	--	
8/19/1997	--	20.11	7.50	12.50	9.20	10.91	--	--	--	--	--	--	--	--	--	
11/19/1997	--	20.11	7.50	12.50	9.20	10.91	--	--	--	--	--	--	--	--	--	
2/19/1998	--	20.11	7.50	12.50	6.28	13.83	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
4/23/1998	--	20.11	7.50	12.50	7.52	12.59	--	--	--	--	--	--	--	--	--	
7/27/1998	--	20.11	7.50	12.50	8.52	11.59	--	--	--	--	--	--	--	--	--	
10/14/1998	--	20.11	7.50	12.50	9.06	11.05	--	--	--	--	--	--	--	--	--	
1/21/1999	--	20.11	7.50	12.50	8.20	11.91	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--	
5/6/1999	--	20.11	7.50	12.50	8.47	11.64	--	--	--	--	--	--	--	--	--	
8/23/1999	--	20.11	7.50	12.50	9.04	11.07	--	--	--	--	--	--	--	0.85	--	
10/28/1999	--	20.11	7.50	12.50	9.40	10.71	--	--	--	--	--	--	--	--	--	
2/4/2000	--	20.11	7.50	12.50	8.38	11.73	<50	<0.5	<0.5	<0.5	<1	<3	--	3.34	--	
6/20/2000	--	20.11	7.50	12.50	8.55	11.56	--	--	--	--	--	--	--	--	--	
9/29/2000	--	20.11	7.50	12.50	8.98	11.13	--	--	--	--	--	--	--	--	--	
12/17/2000	--	20.11	7.50	12.50	8.76	11.35	--	--	--	--	--	--	--	--	--	
3/28/2001	--	20.11	7.50	12.50	8.31	11.80	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	20.11	7.50	12.50	9.10	11.01	--	--	--	--	--	--	--	--	--	
9/22/2001	--	20.11	7.50	12.50	9.48	10.63	--	--	--	--	--	--	--	--	--	
12/27/2001	--	20.11	7.50	12.50	7.78	12.33	--	--	--	--	--	--	--	--	--	
3/15/2002	--	20.11	7.50	12.50	8.22	11.89	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
4/18/2002	--	20.11	7.50	12.50	7.65	12.46	--	--	--	--	--	--	--	--	--	
7/23/2002	--	20.11	7.50	12.50	9.18	10.93	--	--	--	--	--	--	--	--	--	
10/16/2002	--	20.11	7.50	12.50	9.51	10.60	--	--	--	--	--	--	--	--	--	
1/23/2003	--	20.11	7.50	12.50	7.86	12.25	--	--	--	--	--	--	--	--	--	
4/7/2003	--	20.11	7.50	12.50	8.58	11.53	--	--	--	--	--	--	--	--	--	
8/7/2003	--	20.11	7.50	12.50	9.23	10.88	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-12 Cont.																
10/23/2003	P	20.11	7.50	12.50	9.44	10.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	
01/12/2004	--	20.11	7.50	12.50	8.08	12.03	--	--	--	--	--	--	--	--	--	
04/20/2004	--	25.32	7.50	12.50	9.28	16.04	--	--	--	--	--	--	--	--	--	r
07/01/2004	P	25.32	7.50	12.50	9.65	15.67	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.8	7.0	
11/04/2004	--	25.32	7.50	12.50	8.53	16.79	--	--	--	--	--	--	--	--	--	
01/10/2005	--	25.32	7.50	12.50	7.04	18.28	--	--	--	--	--	--	--	--	--	
04/14/2005	--	25.32	7.50	12.50	6.95	18.37	--	--	--	--	--	--	--	--	--	
08/02/2005	--	25.32	7.50	12.50	8.05	17.27	--	--	--	--	--	--	--	--	--	
10/21/2005	--	25.32	7.50	12.50	8.70	16.62	--	--	--	--	--	--	--	--	--	
01/04/2006	--	25.32	7.50	12.50	10.00	15.32	--	--	--	--	--	--	--	--	--	
04/28/2006	--	25.32	7.50	12.50	7.19	18.13	--	--	--	--	--	--	--	--	--	
8/4/2006	--	25.32	7.50	12.50	8.80	16.52	--	--	--	--	--	--	--	--	--	
10/23/2006	--	25.32	7.50	12.50	9.17	16.15	--	--	--	--	--	--	--	--	--	
1/15/2007	--	25.32	7.50	12.50	8.57	16.75	--	--	--	--	--	--	--	--	--	
4/17/2007	--	25.32	7.50	12.50	8.68	16.64	--	--	--	--	--	--	--	--	--	
7/9/2007	--	25.32	7.50	12.50	9.18	16.14	--	--	--	--	--	--	--	--	--	
10/1/2007	--	25.32	7.50	12.50	9.45	15.87	--	--	--	--	--	--	--	--	--	
1/7/2008	--	25.32	7.50	12.50	7.58	17.74	--	--	--	--	--	--	--	--	--	
4/1/2008	--	25.32	7.50	12.50	8.57	16.75	--	--	--	--	--	--	--	--	--	
7/23/2008	--	25.32	7.50	12.50	9.34	15.98	--	--	--	--	--	--	--	--	--	
10/22/2008	--	25.32	7.50	12.50	9.64	15.68	--	--	--	--	--	--	--	--	--	
1/21/2009	--	25.32	7.50	12.50	9.25	16.07	--	--	--	--	--	--	--	--	--	
4/21/2009	--	25.32	7.50	12.50	8.66	16.66	--	--	--	--	--	--	--	--	--	
7/21/2009	--	25.32	7.50	12.50	9.42	15.90	--	--	--	--	--	--	--	--	--	
1/12/2010	--	25.32	7.50	12.50	8.86	16.46	--	--	--	--	--	--	--	--	--	
6/3/2010	--	25.32	7.50	12.50	8.20	17.12	--	--	--	--	--	--	--	--	--	
7/22/2010	--	25.32	7.50	12.50	8.90	16.42	--	--	--	--	--	--	--	--	--	
2/18/2011	--	25.32	7.50	12.50	7.80	17.52	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-13																
11/16/1992	--	22.45	--	--	9.02	13.43	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/16/1993	--	22.45	--	--	7.14	15.31	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/13/1993	--	22.45	--	--	7.95	14.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/17/1993	--	22.45	--	--	8.57	13.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/8/1993	--	22.45	--	--	8.86	13.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/14/1994	--	22.45	--	--	7.78	14.67	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/5/1994	--	22.45	--	--	8.38	14.07	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/4/1994	--	22.45	--	--	8.78	13.67	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/20/1994	--	22.45	--	--	7.68	14.77	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
3/17/1995	--	22.45	--	--	6.91	15.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
6/1/1995	--	22.45	--	--	7.72	14.73	--	--	--	--	--	--	--	--	--	
8/31/1995	--	22.45	--	--	7.58	14.87	--	--	--	--	--	--	--	--	--	
11/27/1995	--	22.45	--	--	7.98	14.47	--	--	--	--	--	--	--	--	--	
2/22/1996	--	22.45	--	--	6.71	15.74	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/20/1996	--	22.45	--	--	6.98	15.47	--	--	--	--	--	--	--	--	--	
8/26/1996	--	22.45	--	--	7.85	14.60	--	--	--	--	--	--	--	--	--	
11/20/1996	--	22.45	--	--	7.76	14.69	--	--	--	--	--	--	--	--	--	
3/24/1997	--	20.75	--	--	7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/23/1997	--	20.75	--	--	8.16	12.59	--	--	--	--	--	--	--	--	--	
8/19/1997	--	20.75	--	--	8.40	12.35	--	--	--	--	--	--	--	--	--	
11/19/1997	--	20.75	--	--	8.40	12.35	--	--	--	--	--	--	--	--	--	
2/19/1998	--	20.75	--	--	6.44	14.31	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
4/23/1998	--	20.75	--	--	6.80	13.95	--	--	--	--	--	--	--	--	--	
7/27/1998	--	20.75	--	--	7.52	13.23	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--	
10/14/1998	--	20.75	--	--	8.15	12.60	<50	<0.5	<0.5	<0.5	<0.5	<3	--	2.0	--	
1/21/1999	--	20.75	--	--	7.85	12.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--	
5/6/1999	--	20.75	--	--	7.82	12.93	--	--	--	--	--	--	--	--	--	
8/23/1999	--	20.75	--	--	8.29	12.46	--	--	--	--	--	--	--	0.94	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-13 Cont.																
10/28/1999	--	20.75	--	--	8.55	12.20	--	--	--	--	--	--	--	--	--	
2/4/2000	--	20.75	--	--	8.11	12.64	<50	<0.5	0.6	<0.5	<1	<3	--	1.27	--	
6/20/2000	--	20.75	--	--	7.56	13.19	--	--	--	--	--	--	--	--	--	
9/29/2000	--	20.75	--	--	8.27	12.48	--	--	--	--	--	--	--	--	--	
12/17/2000	--	20.75	--	--	8.09	12.66	--	--	--	--	--	--	--	--	--	
3/28/2001	--	20.75	--	--	7.69	13.06	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	20.75	--	--	8.46	12.29	--	--	--	--	--	--	--	--	--	
9/22/2001	--	20.75	--	--	8.57	12.18	--	--	--	--	--	--	--	--	--	
12/27/2001	--	20.75	--	--	7.14	13.61	--	--	--	--	--	--	--	--	--	
3/15/2002	--	20.75	--	--	7.62	13.13	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
4/18/2002	--	20.75	--	--	6.91	13.84	--	--	--	--	--	--	--	--	--	
7/23/2002	--	20.75	--	--	8.50	12.25	--	--	--	--	--	--	--	--	--	
10/16/2002	--	20.75	--	--	8.74	12.01	--	--	--	--	--	--	--	--	--	
1/23/2003	P	20.75	--	--	7.35	13.40	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	3.4	7.0	g
4/7/2003	--	20.75	--	--	7.99	12.76	--	--	--	--	--	--	--	--	--	
8/7/2003	--	20.75	--	--	8.60	12.15	--	--	--	--	--	--	--	--	--	
10/23/2003	P	20.75	--	--	8.55	12.20	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	
01/12/2004	--	20.75	--	--	7.56	13.19	--	--	--	--	--	--	--	--	--	
04/20/2004	--	25.01	--	--	4.57	20.44	--	--	--	--	--	--	--	--	--	r
07/01/2004	P	25.01	--	--	8.71	16.30	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.4	6.9	
11/04/2004	--	25.01	--	--	7.79	17.22	--	--	--	--	--	--	--	--	--	
01/10/2005	--	25.01	--	--	6.80	18.21	--	--	--	--	--	--	--	--	--	
04/14/2005	--	25.01	--	--	6.88	18.13	--	--	--	--	--	--	--	--	--	
08/02/2005	--	25.01	--	--	7.15	17.86	--	--	--	--	--	--	--	--	--	
10/21/2005	--	25.01	--	--	7.96	17.05	--	--	--	--	--	--	--	--	--	
01/04/2006	--	25.01	--	--	7.64	17.37	--	--	--	--	--	--	--	--	--	
04/28/2006	--	25.01	--	--	6.97	18.04	--	--	--	--	--	--	--	--	--	
8/4/2006	--	25.01	--	--	8.18	16.83	--	--	--	--	--	--	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-13 Cont.																
10/23/2006	--	25.01	--	--	8.51	16.50	--	--	--	--	--	--	--	--	--	
1/15/2007	--	25.01	--	--	7.91	17.10	--	--	--	--	--	--	--	--	--	
4/17/2007	--	25.01	--	--	8.04	16.97	--	--	--	--	--	--	--	--	--	
7/9/2007	--	25.01	--	--	8.50	16.51	--	--	--	--	--	--	--	--	--	
10/1/2007	--	25.01	--	--	8.72	16.29	--	--	--	--	--	--	--	--	--	
1/7/2008	--	25.01	--	--	8.27	16.74	--	--	--	--	--	--	--	--	--	
4/1/2008	--	25.01	--	--	7.88	17.13	--	--	--	--	--	--	--	--	--	
7/23/2008	--	25.01	--	--	6.40	18.61	--	--	--	--	--	--	--	--	--	
10/22/2008	--	25.01	--	--	8.86	16.15	--	--	--	--	--	--	--	--	--	
1/21/2009	--	25.01	--	--	8.54	16.47	--	--	--	--	--	--	--	--	--	
4/21/2009	--	25.01	--	--	7.96	17.05	--	--	--	--	--	--	--	--	--	
7/21/2009	--	25.01	--	--	8.77	16.24	--	--	--	--	--	--	--	--	--	
1/12/2010	--	25.01	--	--	8.21	16.80	--	--	--	--	--	--	--	--	--	
6/3/2010	--	25.01	--	--	7.51	17.50	--	--	--	--	--	--	--	--	--	
7/22/2010	--	25.01	--	--	8.18	16.83	--	--	--	--	--	--	--	--	--	
2/18/2011	--	25.01	--	--	7.28	17.73	--	--	--	--	--	--	--	--	--	
MW-14																
9/15/1992	--	22.99	7.50	13.50	10.66	12.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/16/1992	--	22.99	7.50	13.50	10.33	12.66	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/16/1993	--	22.99	7.50	13.50	8.18	14.81	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/13/1993	--	22.99	7.50	13.50	9.05	13.94	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/17/1993	--	22.99	7.50	13.50	22.99	0.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/8/1993	--	22.99	7.50	13.50	10.25	12.74	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/14/1994	--	22.99	7.50	13.50	8.80	14.19	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/5/1994	--	22.99	7.50	13.50	9.49	13.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/4/1994	--	22.99	7.50	13.50	10.11	12.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/20/1994	--	22.99	7.50	13.50	8.66	14.33	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
3/17/1995	--	22.99	7.50	13.50	8.17	14.82	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-14 Cont.																
6/1/1995	--	22.99	7.50	13.50	8.57	14.42	--	--	--	--	--	--	--	--	--	
8/31/1995	--	22.99	7.50	13.50	9.05	13.94	--	--	--	--	--	--	--	--	--	
11/27/1995	--	22.99	7.50	13.50	9.19	13.80	--	--	--	--	--	--	--	--	--	
2/22/1996	--	22.99	7.50	13.50	6.52	16.47	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/20/1996	--	22.99	7.50	13.50	7.88	15.11	--	--	--	--	--	--	--	--	--	
8/26/1996	--	22.99	7.50	13.50	8.83	14.16	--	--	--	--	--	--	--	--	--	
11/20/1996	--	22.99	7.50	13.50	8.95	14.04	--	--	--	--	--	--	--	--	--	
3/24/1997	--	20.90	7.50	13.50	8.98	11.92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
5/23/1997	--	20.90	7.50	13.50	9.61	11.29	--	--	--	--	--	--	--	--	--	
8/19/1997	--	20.90	7.50	13.50	9.80	11.10	--	--	--	--	--	--	--	--	--	
11/19/1997	--	20.90	7.50	13.50	9.80	11.10	<50	*1.7*	<0.5	0.6	3	<3	--	--	--	
2/19/1998	--	20.90	7.50	13.50	6.27	14.63	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
4/23/1998	--	20.90	7.50	13.50	7.75	13.15	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.5	--	
7/27/1998	--	20.90	7.50	13.50	9.24	11.66	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.0	--	
10/14/1998	--	20.90	7.50	13.50	9.73	11.17	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.0	--	
1/21/1999	--	20.90	7.50	13.50	8.90	12.00	<50	<0.5	<0.5	<0.5	<0.5	<3	--	1.5	--	
5/6/1999	--	20.90	7.50	13.50	8.98	11.92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.73	--	
8/23/1999	--	20.90	7.50	13.50	9.68	11.22	<50	<0.5	<0.5	<0.5	<0.5	<3	--	0.91	--	
10/28/1999	--	20.90	7.50	13.50	10.00	10.90	<50	<0.5	<0.5	<0.5	<1	*<10*	--	1.06	--	
2/4/2000	--	20.90	7.50	13.50	8.19	12.71	<50	<0.5	0.5	<0.5	<1	<3	--	1.21	--	
6/20/2000	--	20.90	7.50	13.50	9.16	11.74	<50	<0.5	<0.5	<0.5	<1.0	*<10*	--	--	--	
9/29/2000	--	20.90	7.50	13.50	9.48	11.42	<50	<0.5	<0.5	<0.5	<0.5	<2.50	--	--	--	
12/17/2000	--	20.90	7.50	13.50	9.24	11.66	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
3/28/2001	--	20.90	7.50	13.50	8.91	11.99	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
6/20/2001	--	20.90	7.50	13.50	9.70	11.20	<50	<0.5	<0.5	<0.5	<0.5	3.1	--	--	--	
9/22/2001	--	20.90	7.50	13.50	10.04	10.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
12/27/2001	--	20.90	7.50	13.50	8.33	12.57	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
3/15/2002	--	20.90	7.50	13.50	8.75	12.15	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-14 Cont.																
4/18/2002	--	20.90	7.50	13.50	8.21	12.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
7/23/2002	NP	20.90	7.50	13.50	9.76	11.14	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.4	7.1	
10/16/2002	NP	20.90	7.50	13.50	10.10	10.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	1.1	5.8	
1/23/2003	NP	20.90	7.50	13.50	8.41	12.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.3	7.1	g
4/7/2003	--	20.90	7.50	13.50	9.09	11.81	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.4	6.9	
8/7/2003	--	20.90	7.50	13.50	9.81	11.09	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.4	6.7	
10/23/2003	P	20.90	7.50	13.50	10.04	10.86	--	--	--	--	--	--	--	--	--	
01/12/2004	P	20.90	7.50	13.50	8.89	12.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.0	7.2	
04/20/2004	--	25.55	7.50	13.50	9.62	15.93	--	--	--	--	--	--	--	--	--	r
07/01/2004	NP	25.55	7.50	13.50	10.03	15.52	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.6	6.7	
11/04/2004	--	25.55	7.50	13.50	9.13	16.42	--	--	--	--	--	--	--	--	--	
01/10/2005	NP	25.55	7.50	13.50	7.61	17.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.06	6.9	
04/14/2005	--	25.55	7.50	13.50	7.70	17.85	--	--	--	--	--	--	--	--	--	
08/02/2005	NP	25.55	7.50	13.50	8.73	16.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	6.9	
10/21/2005	--	25.55	7.50	13.50	9.47	16.08	--	--	--	--	--	--	--	--	--	
01/04/2006	--	25.55	7.50	13.50	6.92	18.63	--	--	--	--	--	--	--	--	--	
04/28/2006	--	25.55	7.50	13.50	7.71	17.84	--	--	--	--	--	--	--	--	--	
8/4/2006	NP	25.55	7.50	13.50	9.32	16.23	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	0.95	6.8	
10/23/2006	--	25.55	7.50	13.50	9.66	15.89	--	--	--	--	--	--	--	--	--	
1/15/2007	--	25.55	7.50	13.50	9.05	16.50	--	--	--	--	--	--	--	--	--	
4/17/2007	--	25.55	7.50	13.50	9.16	16.39	--	--	--	--	--	--	--	--	--	
7/9/2007	NP	25.55	7.50	13.50	9.67	15.88	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.87	7.13	
10/1/2007	--	25.55	7.50	13.50	9.95	15.60	--	--	--	--	--	--	--	--	--	
1/7/2008	--	25.55	7.50	13.50	8.74	16.81	--	--	--	--	--	--	--	--	--	
4/1/2008	--	25.55	7.50	13.50	9.13	16.42	--	--	--	--	--	--	--	--	--	
7/23/2008	NP	25.55	7.50	13.50	9.86	15.69	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.18	6.93	
10/22/2008	--	25.55	7.50	13.50	10.20	15.35	--	--	--	--	--	--	--	--	--	
1/21/2009	--	25.55	7.50	13.50	9.81	15.74	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-14 Cont.																
4/21/2009	--	25.55	7.50	13.50	9.22	16.33	--	--	--	--	--	--	--	--	--	
7/21/2009	NP	25.55	7.50	13.50	9.90	15.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	11.04	7.21	
1/12/2010	--	25.55	7.50	13.50	9.31	16.24	--	--	--	--	--	--	--	--	--	
6/3/2010	--	25.55	7.50	13.50	8.71	16.84	--	--	--	--	--	--	--	--	--	
7/22/2010	NP	25.55	7.50	13.50	9.45	16.10	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	--	
2/18/2011	--	25.55	7.50	13.50	7.92	17.63	--	--	--	--	--	--	--	--	--	
MW-15																
5/13/1993	--	19.19	5.50	10.50	5.91	13.28	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/17/1993	--	19.19	5.50	10.50	6.54	12.65	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/8/1993	--	19.19	5.50	10.50	6.98	12.21	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
2/14/1994	--	19.19	5.50	10.50	5.44	13.75	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
5/5/1994	--	19.19	5.50	10.50	6.18	13.01	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
8/4/1994	--	19.19	5.50	10.50	6.84	12.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
11/20/1994	--	19.19	5.50	10.50	5.31	13.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
3/17/1995	--	19.19	5.50	10.50	5.21	13.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
6/1/1995	--	19.19	5.50	10.50	5.84	13.35	--	--	--	--	--	--	--	--	--	
8/31/1995	--	19.19	5.50	10.50	6.18	13.01	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--	--	
11/27/1995	--	19.19	5.50	10.50	6.42	12.77	--	--	--	--	--	--	--	--	--	
2/22/1996	--	19.19	5.50	10.50	4.84	14.35	<50	<0.5	<0.5	<0.5	<0.5	*12*	--	--	--	
5/20/1996	--	19.19	5.50	10.50	5.31	13.88	--	--	--	--	--	--	--	--	--	
8/26/1996	--	19.19	5.50	10.50	6.05	13.14	<50	<0.5	<0.5	<0.5	<0.5	*8*	--	--	--	
11/20/1996	--	19.19	5.50	10.50	5.46	13.73	--	--	--	--	--	--	--	--	--	
3/24/1997	--	22.08	5.50	10.50	6.00	16.08	<50	<0.5	<0.5	<0.5	<0.5	*15*	--	--	--	
5/23/1997	--	22.08	5.50	10.50	6.25	15.83	--	--	--	--	--	--	--	--	--	
8/19/1997	--	22.08	5.50	10.50	6.34	15.74	99	<0.5	<0.5	<0.5	0.7	*6*	--	--	--	j
11/19/1997	--	22.08	5.50	10.50	6.34	15.74	--	--	--	--	--	--	--	--	--	
2/19/1998	--	22.08	5.50	10.50	4.66	17.42	<50	<0.5	<0.5	<0.5	<0.5	*48*	--	--	--	
4/23/1998	--	22.08	5.50	10.50	5.18	16.90	--	--	--	--	--	--	--	--	--	

Table 2. Summary of Groundwater Monitoring Data: Relative Water Elevations and Laboratory Analyses

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-15 Cont.																
7/27/1998	--	22.08	5.50	10.50	6.02	16.06	<50	<0.5	<0.5	<0.5	<0.5	*50*	--	1.0	--	
10/14/1998	--	22.08	5.50	10.50	6.26	15.82	<50	<0.5	<0.5	<0.5	<0.5	*27*	--	1.5	--	
1/21/1999	--	22.08	5.50	10.50	5.33	16.75	<50	<0.5	<0.5	<0.5	<0.5	*6*	--	1.0	--	
5/6/1999	--	22.08	5.50	10.50	5.82	16.26	--	--	--	--	--	--	--	--	--	
8/23/1999	--	22.08	5.50	10.50	6.24	15.84	<50	<0.5	<0.5	<0.5	<0.5	*21*	--	1.14	--	
10/28/1999	--	22.08	5.50	10.50	6.60	15.48	--	--	--	--	--	--	--	--	--	
2/4/2000	--	22.08	5.50	10.50	7.02	15.06	<50	<0.5	<0.5	<0.5	<1	<3	--	1.09	--	
6/20/2000	--	22.08	5.50	10.50	5.98	16.10	--	--	--	--	--	--	--	--	--	
9/29/2000	--	22.08	5.50	10.50	6.50	15.58	<50	<0.5	<0.5	<0.5	<0.5	<2.50	--	--	--	
12/17/2000	--	22.08	5.50	10.50	5.89	16.19	--	--	--	--	--	--	--	--	--	
3/28/2001	--	22.08	5.50	10.50	5.78	16.30	<50	<0.5	<0.5	<0.5	<0.5	*11.1*	--	--	--	
6/20/2001	--	22.08	5.50	10.50	5.72	16.36	--	--	--	--	--	--	--	--	--	
9/22/2001	--	22.08	5.50	10.50	6.79	15.29	<50	<0.5	<0.5	<0.5	<0.5	*13*	--	--	--	
12/27/2001	--	22.08	5.50	10.50	5.49	16.59	--	--	--	--	--	--	--	--	--	
3/15/2002	--	22.08	5.50	10.50	5.68	16.40	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
4/18/2002	--	22.08	5.50	10.50	4.85	17.23	--	--	--	--	--	--	--	--	--	
7/23/2002	P	22.08	5.50	10.50	6.32	15.76	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	2.0	7.9	
10/16/2002	--	22.08	5.50	10.50	6.69	15.39	--	--	--	--	--	--	--	--	--	
1/23/2003	P	22.08	5.50	10.50	5.70	16.38	<50	<0.50	<0.50	<0.50	<0.50	1.9	--	2.6	7.5	g
4/7/2003	--	22.08	5.50	10.50	5.94	16.14	--	--	--	--	--	--	--	--	--	
8/7/2003	--	22.08	5.50	10.50	6.32	15.76	--	--	--	--	--	--	--	--	--	
10/23/2003	--	22.08	5.50	10.50	6.56	15.52	--	--	--	--	--	--	--	--	--	
01/12/2004	--	22.08	5.50	10.50	5.71	16.37	--	--	--	--	--	--	--	--	--	
04/20/2004	--	21.72	5.50	10.50	7.10	14.62	--	--	--	--	--	--	--	--	--	r
07/01/2004	P	21.72	5.50	10.50	7.18	14.54	<50	<0.50	<0.50	<0.50	<0.50	1.9	--	1.6	7.3	
11/04/2004	--	21.72	5.50	10.50	5.90	15.82	--	--	--	--	--	--	--	--	--	
01/10/2005	--	21.72	5.50	10.50	5.30	16.42	--	--	--	--	--	--	--	--	--	
04/14/2005	--	21.72	5.50	10.50	5.40	16.32	--	--	--	--	--	--	--	--	--	

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Well and Sample Date	P/NP	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Water Level Elevation (feet)	Concentrations in (µg/L)							DO (mg/L)	pH	Footnote
							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-15 Cont.																
08/02/2005	P	21.72	5.50	10.50	5.33	16.39	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	6.5	
10/21/2005	--	21.72	5.50	10.50	5.92	15.80	--	--	--	--	--	--	--	--	--	
01/04/2006	--	21.72	5.50	10.50	5.19	16.53	--	--	--	--	--	--	--	--	--	
04/28/2006	--	21.72	5.50	10.50	5.45	16.27	--	--	--	--	--	--	--	--	--	
8/4/2006	P	21.72	5.50	10.50	5.99	15.73	<50	<0.50	<0.50	<0.50	<0.50	2.1	--	1.49	7.1	
10/23/2006	--	21.72	5.50	10.50	6.36	15.36	--	--	--	--	--	--	--	--	--	
1/15/2007	--	21.72	5.50	10.50	6.00	15.72	--	--	--	--	--	--	--	--	--	
4/17/2007	--	21.72	5.50	10.50	5.98	15.74	--	--	--	--	--	--	--	--	--	
7/9/2007	NP	21.72	5.50	10.50	6.26	15.46	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.77	7.44	
10/1/2007	--	21.72	5.50	10.50	6.53	15.19	--	--	--	--	--	--	--	--	--	
1/7/2008	--	21.72	5.50	10.50	6.12	15.60	--	--	--	--	--	--	--	--	--	
4/1/2008	--	21.72	5.50	10.50	5.92	15.80	--	--	--	--	--	--	--	--	--	
7/23/2008	NP	21.72	5.50	10.50	6.30	15.42	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	2.07	7.32	
10/22/2008	--	21.72	5.50	10.50	6.69	15.03	--	--	--	--	--	--	--	--	--	
1/21/2009	--	21.72	5.50	10.50	6.22	15.50	--	--	--	--	--	--	--	--	--	
4/21/2009	--	21.72	5.50	10.50	5.79	15.93	--	--	--	--	--	--	--	--	--	
7/21/2009	NP	21.72	5.50	10.50	6.34	15.38	<50	<0.50	<0.50	<0.50	<0.50	1.4	--	9.63	7.63	
1/12/2010	--	21.72	5.50	10.50	5.93	15.79	--	--	--	--	--	--	--	--	--	
6/3/2010	--	21.72	5.50	10.50	5.79	15.93	--	--	--	--	--	--	--	--	--	
7/22/2010	P	21.72	5.50	10.50	6.25	15.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	1.11	7.30	
2/18/2011	--	21.72	5.50	10.50	8.48	13.24	--	--	--	--	--	--	--	--	--	
MW-16																
7/21/2009	P	22.89	--	--	12.90	9.99	***1,500***	*2.3*	13	*36*	***300***	0.68	--	14.83	7.71	
1/12/2010	P	22.89	--	--	6.67	16.22	***1,700***	*6.8*	4.3	***71***	*48*	<0.50	--	1.24	6.8	
6/3/2010	P	22.89	--	--	6.13	16.76	***4,100***	*28*	9.2	***420***	***170***	<1.0	--	--	7.10	
7/22/2010	NP	22.89	--	--	6.83	16.06	***6,400***	*34*	13	***570***	***210***	<1.0	--	0.68	6.95	
2/18/2011	NP	22.89	--	--	5.60	17.29	***1,100***	*6.1*	2.2	8.7	*23*	<0.50	--	1.18	6.66	

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							GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE	Semi-VOCs			
ESL - DW							100	1.0	40	30	20	5.0				
ESL - NDW							210	46	130	43	100	1,800				
MW-17																
7/21/2009	P	23.42	--	--	7.58	15.84	***3,700***	***61***	***160***	***150***	***1,300***	2.8	--	11.48	7.57	
1/12/2010	P	23.42	--	--	6.98	16.44	***11,000***	***110***	*72*	***1,100***	***1,600***	*<10*	--	1.02	6.80	
6/3/2010	P	23.42	--	--	6.37	17.05	***19,000***	***140***	*45*	***1,200***	***2,600***	*<25*	--	1.26	6.99	
7/22/2010	NP	23.42	--	--	7.05	16.37	***21,000***	***160***	*63*	***1,300***	***2,800***	*<25*	--	0.50	7.00	
2/18/2011	NP	23.42	--	--	6.33	17.09	***9,400***	***58***	<10	***480***	***930***	*<10*	--	2.84	6.7	
MW-18																
7/21/2009	P	24.48	--	--	8.73	15.75	***290***	*1.1*	<0.50	8.0	1.4	4.8	--	14.25	7.69	
1/12/2010	P	24.48	--	--	7.95	16.53	***1,000***	*2.4*	<1.0	***57***	<1.0	*5.8*	--	1.79	6.8	
6/3/2010	--	24.48	--	--	7.33	17.15	--	--	--	--	--	--	--	--	--	
7/22/2010	NP	24.48	--	--	8.02	16.46	***760***	*3.5*	<0.50	27	<0.50	*5.1*	--	0.71	7.09	w
2/18/2011	NP	24.48	--	--	7.38	17.10	***360***	<0.50	<0.50	<0.50	<0.50	3.8	--	2.80	6.9	x (GRO)
MW-19																
7/21/2009	P	25.10	--	--	9.34	15.76	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	13.65	8.03	
1/12/2010	--	25.10	--	--	6.75	18.35	--	--	--	--	--	--	--	--	--	
6/3/2010	--	25.10	--	--	8.14	16.96	--	--	--	--	--	--	--	--	--	
2/18/2011	--	25.10	--	--	7.51	17.59	--	--	--	--	--	--	--	--	--	
SB-1																
3/9/2011	--	NS	--	--	--	--	***19,000***	***120***	*<50*	***76***	*<50*	*<50*	--	--	--	x (GRO), SB-1-GW
SB-2																
3/9/2011	--	NS	--	--	--	--	***140,000***	***380***	<12	***130***	<12	*<12*	--	--	--	SB-2-GW
SB-3																
3/9/2011	--	NS	--	--	--	--	***9,400***	*2.5*	2.3	1.9	3.4	2.1	--	--	--	x (GRO), SB-3-GW
SB-4																
3/9/2011	--	NS	--	--	--	--	***12,000***	*<2.0*	<2.0	9.1	<2.0	2.2	--	--	--	x (GRO), SB-4-GW

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
GRO = Gasoline range organics, range C4-C12
GWE = Groundwater elevation measured in ft
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether
NP = Well not purged before sampling
P = Well purged before sampling
Semi-VOCs = Semivolatile organic compounds
TOC = Top of casing in ft
TPH-g = Total petroleum hydrocarbons as gasoline
g/L = Micrograms per liter
ND = Not detected above the various semi-VOCs laboratory reporting limits

FOOTNOTES:
a = Sheen in well.
b = Well is dry.
c = Insufficient water to sample.
d = Chromatogram Pattern: Gasoline C6-C10.
e = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
g = TPH, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and MTBE analyzed by EPA Method 8260B beginning on the 1st quarter 2003 sampling event (1/23/03).
h = This sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
i = GWE adjusted using the formula GWE = (TOC-DTW) + (free product (FP) thickness x 0.8).
j = Sample contains a higher boiling point hydrocarbon mixture quantitated as gasoline. The chromatogram did not match the typical gasoline fingerprint.
K = DO reading not taken due to the presence of sheen.
L = FP in well.
M = Gauged with ORC sock in well.
N = Method reporting limit for benzene, toluene, ethylbenzene, and/or total xylenes was raised due to high analyte concentration requiring sample dilution or matrix interference.
O = Well dewatered.
P = Well inaccessible.
Q = Insufficient sample available to follow standard QC proceedures.
R = Wells resurveyed February 27, 2004.
s = Reporting limits elevated due to matrix interferences (SVOCs).
T = Sample preserved improperly.
U = Reporting limits raised due to high level of non-target analytes (SVOCs) .
V = Wells surveyed June 23, 2009.
w = Quantitation of unknown hydrocarbon(s) in sample based on baseline.
X = Quantitated against gasoline.

NOTES:
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g 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 the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Values for DO and pH were obtained through field measurements.

Top and bottom of screen measurements for wells MW-1 to MW-3, and MW-7 were taken from Delta Environmental Consulting Inc. sampling sheets because the well construction logs were not available.

ESL - DW = Environmental Screning Levels (ESLs), shallow soils (<3 meters bgs), groundwater is a current or potential source of drinking water, for residential land use. Ref. California Regional Water Quality Control

Board, San Francisco Bay Region (CRWQCB-SFBR), Screening for Environmental Concerns at Sites with Contaminated Soil & Groundwater, Interim Final-November 2007 (Revised May 2008).

ESL - NDW = Environmental Screning Levels (ESLs), shallow soils (<3 meters bgs), groundwater is NOT a current or potential source of drinking water, for residential land use. Ref. California Regional Water Quality Control Board, San Francisco Bay Region (CRWQCB-SFBR), Screening for Environmental Concerns at Sites with Contaminated Soil & Groundwater, Interim Final-November 2007 (Revised May 2008).

GRO analysis was completed by EPA method 8260B (C4-C12) for samples collected from the time period April 2006 through February 4, 2008. The analysis for GRO was changed to EPA method 8015B (C6-C12) for samples collected from the time period February 5, 2008 through the present.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-1									
2/22/1996	--	--	*<1,000*	--	--	--	--	--	
5/20/1996	--	--	*<1,000*	--	--	--	--	--	
8/26/1996	--	--	*<1,000*	--	--	--	--	--	
11/20/1996	--	--	*<300*	--	--	--	--	--	
3/24/1997	--	--	*<1,000*	--	--	--	--	--	
5/23/1997	--	--	*<300*	--	--	--	--	--	
8/19/1997	--	--	*<600*	--	--	--	--	--	
11/19/1997	--	--	***<3,000***	--	--	--	--	--	
2/19/1998	--	--	*<300*	--	--	--	--	--	
4/23/1998	--	--	***<3,000***	--	--	--	--	--	
7/27/1998	--	--	*<300*	--	--	--	--	--	
10/14/1998	--	--	*<300*	--	--	--	--	--	
1/21/1999	--	--	*<300*	--	--	--	--	--	
5/6/1999	--	--	*<120*	--	--	--	--	--	
8/23/1999	--	--	*<75*	--	--	--	--	--	
10/28/1999	--	--	*<200*	--	--	--	--	--	
2/4/2000	--	--	*<60*	--	--	--	--	--	
6/20/2000	--	--	*<200*	--	--	--	--	--	
9/29/2000	--	--	*<250*	--	--	--	--	--	
12/17/2000	--	--	*<250*	--	--	--	--	--	
3/28/2001	--	--	*<500*	--	--	--	--	--	
6/20/2001	--	--	*100*	--	--	--	--	--	
9/22/2001	--	--	*<1000*	--	--	--	--	--	
12/27/2001	--	--	*290*	--	--	--	--	--	
3/15/2002	--	--	*<250*	--	--	--	--	--	
4/18/2002	--	--	*<250*	--	--	--	--	--	
7/23/2002	--	--	*<250*	--	--	--	--	--	
10/16/2002	--	--	*<120*	--	--	--	--	--	
1/23/2003	<4,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-1 Cont.									
4/7/2003	<1,000	*<200*	*69*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
8/7/2003	<5,000	*<1,000*	*160*	<25	<25	<25	*<25*	*<25*	
10/23/2003	--	*<1,000*	*220*	<25	<25	<25	*<25*	*<25*	
01/12/2004	<5,000	*<1,000*	*140*	<50	<50	<50	*<25*	*<25*	
04/20/2004	<5,000	*<1,000*	*84*	<25	<25	<25	*<25*	*<25*	
07/01/2004	<2,000	*<400*	*100*	<10	<10	<10	*<10*	*<10*	
11/04/2004	<1,000	*<200*	*130*	<5.0	<5.0	5.5	*<5.0*	*<5.0*	
01/10/2005	<1,000	*<200*	*12*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
04/14/2005	<1,000	*<200*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
08/02/2005	<100	*530*	*15*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	c
10/21/2005	<1,000	*<200*	*64*	<5.0	<5.0	6.2	*<5.0*	*<5.0*	
01/04/2006	<1,000	*<200*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	b
04/28/2006	<3,000	*<200*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	a
8/4/2006	<3,000	*<200*	*14*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
10/23/2006	<3,000	*<200*	*16*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	b
1/15/2007	--	--	--	--	--	--	--	--	Not sampled due to presence of free product
4/17/2007	<6,000	*<400*	*<10*	<10	<10	<10	*<10*	*<10*	
7/9/2007	<3,000	*<200*	*81*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
10/1/2007	<3,000	*<200*	*9.3*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
1/7/2008	<3,000	*<200*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
4/1/2008	<12,000	*<400*	*<20*	<20	<20	<20	*<20*	*<20*	e
7/23/2008	<12,000	*<400*	*<20*	<20	<20	<20	*<20*	*<20*	
10/22/2008	<12,000	*<400*	*<20*	<20	<20	<20	*<20*	*<20*	
1/21/2009	<12,000	*<400*	*<20*	<20	<20	<20	*<20*	*<20*	
4/21/2009	<12,000	*<400*	*<20*	<20	<20	<20	*<20*	*<20*	h
7/21/2009	<12,000	*<400*	*<20*	<20	<20	<20	*<20*	*<20*	h
1/12/2010	<6,000	*<200*	*<10*	<10	<10	<10	*<10*	*<10*	h
7/22/2010	<6,000	*<200*	*<10*	<10	<10	<10	*<10*	*<10*	
2/18/2011	<1,200	*<40*	<2.0	<2.0	<2.0	<2.0	*<2.0*	*<2.0*	

Table 3. Summary of Fuel Additives Analytical Data

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Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-2									
8/31/1995	--	--	*<50*	--	--	--	--	--	
2/22/1996	--	--	*<50*	--	--	--	--	--	
3/24/1997	--	--	*67*	--	--	--	--	--	
2/19/1998	--	--	*25*	--	--	--	--	--	
1/21/1999	--	--	*13*	--	--	--	--	--	
3/28/2001	--	--	*39.5*	--	--	--	--	--	
3/15/2002	--	--	*75*	--	--	--	--	--	
1/23/2003	<4,000	*<2,000*	*95*	<50	<50	<50	*<50*	*<50*	
10/23/2003	--	*<100*	*68*	<2.5	<2.5	16	*<2.5*	*<2.5*	
07/01/2004	<100	*28*	*72*	<0.50	<0.50	15	<0.50	*<0.50*	
08/02/2005	<100	*<20*	*12*	<0.50	<0.50	3.4	<0.50	*<0.50*	
8/4/2006	<300	*21*	*7.9*	<0.50	<0.50	2.3	<0.50	*<0.50*	
7/9/2007	<300	*<20*	3.2	<0.50	<0.50	0.98	<0.50	*<0.50*	
7/23/2008	<300	<10	0.78	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/21/2009	<300	<10	0.83	<0.50	<0.50	<0.50	<0.50	*<0.50*	
6/3/2010	<300	<10	1.2	<0.50	<0.50	0.76	<0.50	*<0.50*	
7/22/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-3									
2/22/1996	--	--	***<3,000***	--	--	--	--	--	
5/20/1996	--	--	***<3,000***	--	--	--	--	--	
8/26/1996	--	--	***<2,000***	--	--	--	--	--	
11/20/1996	--	--	*<1,000*	--	--	--	--	--	
3/24/1997	--	--	***<5,000***	--	--	--	--	--	
5/23/1997	--	--	*<700*	--	--	--	--	--	
8/19/1997	--	--	*<600*	--	--	--	--	--	
11/19/1997	--	--	*<600*	--	--	--	--	--	
2/19/1998	--	--	*<600*	--	--	--	--	--	
4/23/1998	--	--	*<600*	--	--	--	--	--	
7/27/1998	--	--	*<600*	--	--	--	--	--	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-3 Cont.									
10/14/1998	--	--	*970*	--	--	--	--	--	
1/21/1999	--	--	*<600*	--	--	--	--	--	
5/6/1999	--	--	*170*	--	--	--	--	--	
8/23/1999	--	--	*<150*	--	--	--	--	--	
10/28/1999	--	--	***<5,000***	--	--	--	--	--	
2/4/2000	--	--	*650*	--	--	--	--	--	
6/20/2000	--	--	*<500*	--	--	--	--	--	
9/29/2000	--	--	*<250*	--	--	--	--	--	
3/28/2001	--	--	*<1,000*	--	--	--	--	--	
6/20/2001	--	--	***<2,500***	--	--	--	--	--	
9/22/2001	--	--	*<1,000*	--	--	--	--	--	
12/27/2001	--	--	*<250*	--	--	--	--	--	
3/15/2002	--	--	*<250*	--	--	--	--	--	
7/23/2002	--	--	*<250*	--	--	--	--	--	
10/16/2002	--	--	*<250*	--	--	--	--	--	
1/23/2003	<8,000	*<4,000*	*<100*	<100	<100	<100	*<100*	*<100*	
4/7/2003	<10,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
8/7/2003	<20,000	*<4,000*	*<100*	<100	<100	<100	*<100*	*<100*	
10/23/2003	--	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
01/12/2004	<1,000	*<200*	<5.0	<10	<10	<10	*<5.0*	*<5.0*	
04/20/2004	<10,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
07/01/2004	<10,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
11/23/2004	<10,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
01/10/2005	<20,000	*<4,000*	*<100*	<100	<100	<100	*<100*	*<100*	
04/14/2005	<5,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
08/02/2005	<5,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
10/21/2005	<10,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
01/04/2006	<5,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	b
04/28/2006	<15,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	

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Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-3 Cont.									
8/4/2006	<15,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
10/23/2006	<3,000	*<200*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	b
1/15/2007	<15,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
4/17/2007	<15,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
7/9/2007	<15,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
10/1/2007	<15,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	d
4/1/2008	<60,000	*<2,000*	*<100*	<100	<100	<100	*<100*	*<100*	
7/23/2008	<3,000	*<100*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
10/22/2008	<75,000	*<2,500*	*<120*	<120	<120	<120	*<120*	*<120*	
1/21/2009	<60,000	*<2,000*	*<100*	<100	<100	<100	*<100*	*<100*	
4/21/2009	<30,000	*<1,000*	*<50*	<50	<50	<50	*<50*	*<50*	
7/21/2009	<15,000	*<500*	*<25*	<25	<25	<25	*<25*	*<25*	
1/12/2010	<6,000	*<200*	*<10*	<10	<10	<10	*<10*	*<10*	
6/3/2010	<15,000	*<500*	*<25*	<25	<25	<25	*<25*	*<25*	
7/22/2010	<15,000	*<500*	*<25*	<25	<25	<25	*<25*	*<25*	
2/18/2011	<15,000	*<500*	*<25*	<25	<25	<25	*<25*	*<25*	
MW-4									
8/31/1995	--	--	*<100*	--	--	--	--	--	
2/22/1996	--	--	*<20*	--	--	--	--	--	
5/20/1996	--	--	*<100*	--	--	--	--	--	
8/26/1996	--	--	*<100*	--	--	--	--	--	
11/20/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	*<50*	--	--	--	--	--	
5/23/1997	--	--	*<60*	--	--	--	--	--	
11/19/1997	--	--	*<60*	--	--	--	--	--	
2/19/1998	--	--	*110*	--	--	--	--	--	
4/23/1998	--	--	*93*	--	--	--	--	--	
7/27/1998	--	--	*<120*	--	--	--	--	--	
10/14/1998	--	--	*63*	--	--	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-4 Cont.									
1/21/1999	--	--	*13*	--	--	--	--	--	
5/6/1999	--	--	*41*	--	--	--	--	--	
8/23/1999	--	--	*57*	--	--	--	--	--	
10/28/1999	--	--	*16*	--	--	--	--	--	
2/4/2000	--	--	*8*	--	--	--	--	--	
6/20/2000	--	--	*46*	--	--	--	--	--	
6/20/2001	--	--	*110*	--	--	--	--	--	
9/22/2001	--	--	*100*	--	--	--	--	--	
12/27/2001	--	--	*15*	--	--	--	--	--	
3/15/2002	--	--	*12*	--	--	--	--	--	
4/18/2002	--	--	3.7	--	--	--	--	--	
7/23/2002	--	--	*41*	--	--	--	--	--	
10/16/2002	--	--	*<25*	--	--	--	--	--	
1/23/2003	<200	*<100*	*5.9*	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	
4/7/2003	<100	*<20*	*9.2*	<0.5	<0.5	0.61	<0.5	*<0.50*	
8/7/2003	<5,000	*<1,000*	*<25*	<25	<25	<25	*<25*	*<25*	
10/23/2003	--	*<100*	*12*	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	
01/12/2004	<500	*<100*	4.3	<5.0	<5.0	<5.0	*<2.5*	*<2.5*	
04/20/2004	<1,000	*<200*	*12*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
07/01/2004	<500	*<100*	*15*	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	
11/04/2004	<200	*<40*	*5.7*	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	
01/10/2005	<100	*<20*	2.5	<0.50	<0.50	<0.50	<0.50	*<0.50*	
04/14/2005	<100	*<20*	4.5	<0.50	<0.50	0.61	<0.50	*<0.50*	
08/02/2005	<100	*<20*	*7.1*	<0.50	<0.50	0.97	*3.7*	*<0.50*	
10/21/2005	<200	*<40*	*10*	<1.0	<1.0	1.3	*<1.0*	*<1.0*	b
01/04/2006	<200	*<40*	3.7	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	b
04/28/2006	<600	*<40*	3.7	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	
8/4/2006	<3,000	*<200*	*15*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
10/23/2006	<300	*<20*	*16*	<0.50	<0.50	5.5	<0.50	*<0.50*	b

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-4 Cont.									
1/15/2007	--	--	--	--	--	--	--	--	g
4/17/2007	<600	*<40*	3.5	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	
7/9/2007	<1,200	*<80*	*14*	<2.0	<2.0	<2.0	*<2.0*	*<2.0*	
10/1/2007	<600	*<40*	*11*	<1.0	<1.0	1.6	*<1.0*	*<1.0*	
1/7/2008	<300	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
4/1/2008	<300	<10	0.68	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	--	--	--	--	--	--	--	--	f
10/22/2008	--	--	--	--	--	--	--	--	f
4/21/2009	<300	<10	1.5	<0.50	<0.50	<0.50	<0.50	*<0.50*	
6/3/2010	<300	<10	2.3	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-5									
8/31/1995	--	--	*<500*	--	--	--	--	--	
2/22/1996	--	--	*<500*	--	--	--	--	--	
5/20/1996	--	--	*<500*	--	--	--	--	--	
8/26/1996	--	--	*<300*	--	--	--	--	--	
11/20/1996	--	--	*<500*	--	--	--	--	--	
3/24/1997	--	--	*<500*	--	--	--	--	--	
5/23/1997	--	--	*<600*	--	--	--	--	--	
8/19/1997	--	--	*<300*	--	--	--	--	--	
11/19/1997	--	--	*<300*	--	--	--	--	--	
2/19/1998	--	--	*<300*	--	--	--	--	--	
4/23/1998	--	--	*<600*	--	--	--	--	--	
7/27/1998	--	--	*<600*	--	--	--	--	--	
10/14/1998	--	--	*<300*	--	--	--	--	--	
1/21/1999	--	--	*<600*	--	--	--	--	--	
5/6/1999	--	--	*12*	--	--	--	--	--	
8/23/1999	--	--	*67*	--	--	--	--	--	
10/28/1999	--	--	*<250*	--	--	--	--	--	
2/4/2000	--	--	*<75*	--	--	--	--	--	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-5 Cont.									
6/20/2000	--	--	*<200*	--	--	--	--	--	
3/28/2001	--	--	*<250*	--	--	--	--	--	
6/20/2001	--	--	*<100*	--	--	--	--	--	
12/27/2001	--	--	*<250*	--	--	--	--	--	
3/15/2002	--	--	*<250*	--	--	--	--	--	
4/18/2002	--	--	*<250*	--	--	--	--	--	
7/23/2002	--	--	*110*	--	--	--	--	--	
10/16/2002	--	--	*<100*	--	--	--	--	--	
1/23/2003	<4,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
4/7/2003	<500	*<100*	*32*	<2.5	<2.5	6.3	*<2.5*	*<2.5*	
8/7/2003	<100	*<20*	3.5	<0.50	<0.50	<0.50	<0.50	*<0.50*	
10/23/2003	--	*<20*	*12*	<0.50	<0.50	1.7	<0.50	*<0.50*	
01/12/2004	<100	*<20*	*11*	<1.0	<1.0	1.3	<0.50	*<0.50*	
04/20/2004	<100	*<20*	*12*	<0.50	<0.50	3.0	<0.50	*<0.50*	
07/01/2004	<100	*<20*	*11*	<0.50	<0.50	2.0	<0.50	*<0.50*	
11/04/2004	<100	*<20*	*9.4*	<0.50	<0.50	2.0	<0.50	*<0.50*	
01/10/2005	<100	*<20*	*40*	<0.50	<0.50	9.7	<0.50	*<0.50*	
04/14/2005	<1,000	*<200*	*40*	<5.0	<5.0	9.3	*<5.0*	*<5.0*	
08/02/2005	<500	*<100*	*19*	<2.5	<2.5	5.0	*9.2*	*<2.5*	
10/21/2005	<1,000	*<200*	*16*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
01/04/2006	<1,000	*<200*	*30*	<5.0	<5.0	7.2	*<5.0*	*<5.0*	b
04/28/2006	<3,000	*<200*	*9.9*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
8/4/2006	<3,000	*<200*	*14*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
10/23/2006	<6,000	*<400*	*13*	<10	<10	<10	*<10*	*<10*	b
1/15/2007	<6,000	*<400*	*10*	<10	<10	<10	*<10*	*<10*	
4/17/2007	<3,000	*<200*	*5.9*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
7/9/2007	<3,000	*<200*	*6.9*	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
10/1/2007	<1,500	*<100*	4.2	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	
1/7/2008	<1,500	*<100*	4.1	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-5 Cont.									
4/1/2008	<300	<10	1.8	<0.50	<0.50	0.70	<0.50	*<0.50*	
7/23/2008	<6,000	*<200*	*<10*	<10	<10	<10	*<10*	*<10*	
10/22/2008	<3,000	*<100*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
1/21/2009	<3,000	*<100*	<5.0	<5.0	<5.0	<5.0	*<5.0*	*<5.0*	
4/21/2009	<300	<10	0.74	<0.50	<0.50	<0.50	<0.50	*<0.50*	
6/3/2010	<1,500	*<50*	<2.5	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	
MW-6									
8/31/1995	--	--	*<500*	--	--	--	--	--	
2/22/1996	--	--	*<300*	--	--	--	--	--	
5/20/1996	--	--	*<300*	--	--	--	--	--	
8/26/1996	--	--	*<300*	--	--	--	--	--	
11/20/1996	--	--	*<300*	--	--	--	--	--	
3/24/1997	--	--	*<100*	--	--	--	--	--	
5/23/1997	--	--	*<300*	--	--	--	--	--	
2/19/1998	--	--	*<30*	--	--	--	--	--	
4/23/1998	--	--	*<60*	--	--	--	--	--	
7/27/1998	--	--	*<150*	--	--	--	--	--	
10/14/1998	--	--	*<120*	--	--	--	--	--	
1/21/1999	--	--	*<150*	--	--	--	--	--	
5/6/1999	--	--	5	--	--	--	--	--	
8/23/1999	--	--	*<15*	--	--	--	--	--	
2/4/2000	--	--	*11*	--	--	--	--	--	
12/27/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	*<25*	--	--	--	--	--	
4/18/2002	--	--	*52*	--	--	--	--	--	
1/23/2003	<4,000	*<2,000*	*<50*	<50	<50	<50	*<50*	*<50*	
1/23/2003	<200	*<100*	*17*	<2.5	<2.5	<2.5	*<2.5*	*<2.5*	a
4/7/2003	<100	*<20*	*15*	<0.5	<0.5	2.1	<0.5	*<0.50*	
01/12/2004	<5,000	*<1,000*	*150*	<50	<50	<50	*<25*	*<25*	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-6 Cont.									
11/04/2004	<2,000	*<400*	*230*	<10	<10	58	*<10*	*<10*	
01/10/2005	<5,000	*<1,000*	*240*	<25	<25	65	*<25*	*<25*	
04/14/2005	<1,000	*<200*	*210*	<5.0	<5.0	56	*<5.0*	*<5.0*	
08/02/2005	<1,000	*<200*	*150*	<5.0	<5.0	44	*<5.0*	*<5.0*	
10/21/2005	<1,000	*<200*	*110*	<5.0	<5.0	47	*<5.0*	*<5.0*	
01/04/2006	<500	*<100*	*130*	<2.5	<2.5	42	*<2.5*	*<2.5*	b
04/28/2006	<1,500	*<100*	*170*	<2.5	<2.5	59	*<2.5*	*<2.5*	
8/4/2006	<1,500	*<100*	*110*	<2.5	<2.5	39	*<2.5*	*<2.5*	
10/23/2006	--	--	--	--	--	--	--	--	g
1/15/2007	--	--	--	--	--	--	--	--	g
4/17/2007	<600	*<40*	*24*	<1.0	<1.0	8.2	*<1.0*	*<1.0*	
7/9/2007	<300	*<20*	*51*	<0.50	<0.50	21	<0.50	*<0.50*	
1/7/2008	<300	*<20*	*37*	<0.50	<0.50	17	<0.50	*<0.50*	
4/1/2008	<300	<10	1.4	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	--	--	--	--	--	--	--	--	g
10/22/2008	--	--	--	--	--	--	--	--	g
MW-7									
8/31/1995	--	--	<3	--	--	--	--	--	
2/22/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	<3	--	--	--	--	--	
4/23/1998	--	--	<3	--	--	--	--	--	
7/27/1998	--	--	<3	--	--	--	--	--	
10/14/1998	--	--	<3	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
5/6/1999	--	--	<3	--	--	--	--	--	
8/23/1999	--	--	<3	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
12/17/2000	--	--	<2.5	--	--	--	--	--	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-7 Cont.									
3/28/2001	--	--	<2.5	--	--	--	--	--	
12/27/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
4/18/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
4/7/2003	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/7/2003	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
10/23/2003	--	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/12/2004	<100	*<20*	<0.50	<1.0	<1.0	<1.0	<0.50	*<0.50*	
04/20/2004	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
11/04/2004	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/10/2005	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
08/02/2005	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/4/2006	<300	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	--	--	--	--	--	--	--	--	g
MW-8									
8/31/1995	--	--	*520*	--	--	--	--	--	
11/27/1995	--	--	*560*	--	--	--	--	--	
2/22/1996	--	--	*110*	--	--	--	--	--	
5/20/1996	--	--	*240*	--	--	--	--	--	
8/26/1996	--	--	*710*	--	--	--	--	--	
11/20/1996	--	--	*930*	--	--	--	--	--	
3/24/1997	--	--	*1,300*	--	--	--	--	--	
5/23/1997	--	--	*630*	--	--	--	--	--	
8/19/1997	--	--	*290*	--	--	--	--	--	
11/19/1997	--	--	*260*	--	--	--	--	--	
2/19/1998	--	--	*140*	--	--	--	--	--	
4/23/1998	--	--	*590*	--	--	--	--	--	
1/21/1999	--	--	*320*	--	--	--	--	--	

Table 3. Summary of Fuel Additives Analytical Data

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Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-8 Cont.									
5/6/1999	--	--	*160*	--	--	--	--	--	
8/23/1999	--	--	5	--	--	--	--	--	
10/28/1999	--	--	*45*	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
6/20/2000	--	--	*310*	--	--	--	--	--	
9/29/2000	--	--	*438*	--	--	--	--	--	
12/17/2000	--	--	*273*	--	--	--	--	--	
3/28/2001	--	--	*320*	--	--	--	--	--	
6/20/2001	--	--	*330*	--	--	--	--	--	
9/22/2001	--	--	*6.5*	--	--	--	--	--	
12/27/2001	--	--	*160*	--	--	--	--	--	
3/15/2002	--	--	*830*	--	--	--	--	--	
7/23/2002	--	--	*8.7*	--	--	--	--	--	
10/16/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	2.6	<0.50	<0.50	<0.50	<0.50	*<0.50*	
4/7/2003	<100	*<20*	*19*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/7/2003	<100	*<20*	0.96	<0.50	<0.50	<0.50	<0.50	*<0.50*	
10/23/2003	--	*<20*	2.2	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/12/2004	<100	*<20*	*13*	<1.0	<1.0	<1.0	<0.50	*<0.50*	
04/20/2004	<100	*<20*	*25*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
07/01/2004	<100	*<20*	2.1	<0.50	<0.50	<0.50	<0.50	*<0.50*	
11/04/2004	<100	*<20*	*13*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/10/2005	<100	*<20*	*10*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
08/02/2005	<100	*<20*	*16*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
10/21/2005	--	--	--	--	--	--	--	--	Well inaccessible
8/4/2006	<300	*<20*	*16*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/9/2007	<300	*<20*	*17*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	<300	<10	*8.6*	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/21/2009	<300	<10	3.3	<0.50	<0.50	<0.50	<0.50	*<0.50*	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-8 Cont.									
7/22/2010	<300	<10	4.3	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-9									
8/31/1995	--	--	<3	--	--	--	--	--	
2/22/1996	--	--	<3	--	--	--	--	--	
8/26/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
8/19/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	<3	--	--	--	--	--	
7/27/1998	--	--	<3	--	--	--	--	--	
10/14/1998	--	--	<3	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
8/23/1999	--	--	<3	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
9/29/2000	--	--	3.44	--	--	--	--	--	
3/28/2001	--	--	<2.5	--	--	--	--	--	
9/22/2001	--	--	*7.8*	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
7/23/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	2.2	<0.50	<0.50	<0.50	<0.50	*<0.50*	
07/01/2004	<100	*<20*	3.2	<0.50	<0.50	<0.50	<0.50	*<0.50*	
08/02/2005	<100	*<20*	3.8	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/4/2006	<300	*<20*	4.0	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/9/2007	<300	*<20*	2.0	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	<300	<10	5.0	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/21/2009	<300	<10	2.6	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/22/2010	<300	<10	4.5	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-10									
8/31/1995	--	--	<3	--	--	--	--	--	

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ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-10 Cont.									
2/22/1996	--	--	<3	--	--	--	--	--	
8/26/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
8/19/1997	--	--	<3	--	--	--	--	--	
11/19/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	<3	--	--	--	--	--	
4/23/1998	--	--	<3	--	--	--	--	--	
7/27/1998	--	--	<3	--	--	--	--	--	
10/14/1998	--	--	<3	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
5/6/1999	--	--	<3	--	--	--	--	--	
8/23/1999	--	--	<3	--	--	--	--	--	
10/28/1999	--	--	<3	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
6/20/2000	--	--	<3.0	--	--	--	--	--	
9/29/2000	--	--	<2.5	--	--	--	--	--	
12/17/2000	--	--	<2.5	--	--	--	--	--	
3/28/2001	--	--	<2.5	--	--	--	--	--	
6/20/2001	--	--	<2.5	--	--	--	--	--	
9/22/2001	--	--	<2.5	--	--	--	--	--	
12/27/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
4/18/2002	--	--	3.8	--	--	--	--	--	
7/23/2002	--	--	<2.5	--	--	--	--	--	
10/16/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	1.4	<0.50	<0.50	<0.50	<0.50	*<0.50*	
4/7/2003	<100	*<20*	1.6	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/7/2003	<100	*<20*	1.5	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/12/2004	<100	*<20*	1.7	<1.0	<1.0	<1.0	<0.50	*<0.50*	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-10 Cont.									
07/01/2004	<100	*<20*	2.1	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/10/2005	<100	*<20*	2.2	<0.50	<0.50	<0.50	<0.50	*<0.50*	b
08/02/2005	<100	*<20*	1.7	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/04/2006	<100	*<20*	2.0	<0.50	<0.50	<0.50	<0.50	*<0.50*	b
8/4/2006	<300	*<20*	1.8	<0.50	<0.50	<0.50	<0.50	*<0.50*	
1/15/2007	<300	*<20*	2.2	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/9/2007	<300	*<20*	2.0	<0.50	<0.50	<0.50	<0.50	*<0.50*	
1/7/2008	<300	*<20*	2.1	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	<300	<10	1.9	<0.50	<0.50	<0.50	<0.50	*<0.50*	
1/21/2009	<300	<10	1.6	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/21/2009	<300	<10	2.1	<0.50	<0.50	<0.50	<0.50	*<0.50*	
1/12/2010	<300	<10	1.3	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/22/2010	<300	<10	1.6	<0.50	<0.50	<0.50	<0.50	*<0.50*	
2/18/2011	<300	<10	1.7	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-11									
8/31/1995	--	--	<3	--	--	--	--	--	
2/22/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	*7*	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
3/28/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
10/23/2003	--	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
07/01/2004	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-12									
8/31/1995	--	--	<3	--	--	--	--	--	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-12 Cont.									
2/22/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	<3	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
3/28/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
10/23/2003	--	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
07/01/2004	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-13									
2/22/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	<3	--	--	--	--	--	
7/27/1998	--	--	<3	--	--	--	--	--	
10/14/1998	--	--	<3	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
3/28/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
10/23/2003	--	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
07/01/2004	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-14									
2/22/1996	--	--	<3	--	--	--	--	--	
3/24/1997	--	--	<3	--	--	--	--	--	
11/19/1997	--	--	<3	--	--	--	--	--	
2/19/1998	--	--	<3	--	--	--	--	--	
4/23/1998	--	--	<3	--	--	--	--	--	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-14 Cont.									
7/27/1998	--	--	<3	--	--	--	--	--	
10/14/1998	--	--	<3	--	--	--	--	--	
1/21/1999	--	--	<3	--	--	--	--	--	
5/6/1999	--	--	<3	--	--	--	--	--	
8/23/1999	--	--	<3	--	--	--	--	--	
10/28/1999	--	--	*<10*	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
6/20/2000	--	--	*<10*	--	--	--	--	--	
9/29/2000	--	--	<2.50	--	--	--	--	--	
12/17/2000	--	--	<2.5	--	--	--	--	--	
3/28/2001	--	--	<2.5	--	--	--	--	--	
6/20/2001	--	--	3.1	--	--	--	--	--	
9/22/2001	--	--	<2.5	--	--	--	--	--	
12/27/2001	--	--	<2.5	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
4/18/2002	--	--	<2.5	--	--	--	--	--	
7/23/2002	--	--	<2.5	--	--	--	--	--	
10/16/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
4/7/2003	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/7/2003	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/12/2004	<100	*<20*	<0.50	<1.0	<1.0	<1.0	<0.50	*<0.50*	
07/01/2004	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
01/10/2005	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
08/02/2005	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/4/2006	<300	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/9/2007	<300	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/21/2009	<300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-14 Cont.									
7/22/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-15									
8/31/1995	--	--	<3	--	--	--	--	--	
2/22/1996	--	--	*12*	--	--	--	--	--	
8/26/1996	--	--	*8*	--	--	--	--	--	
3/24/1997	--	--	*15*	--	--	--	--	--	
8/19/1997	--	--	*6*	--	--	--	--	--	
2/19/1998	--	--	*48*	--	--	--	--	--	
7/27/1998	--	--	*50*	--	--	--	--	--	
10/14/1998	--	--	*27*	--	--	--	--	--	
1/21/1999	--	--	*6*	--	--	--	--	--	
8/23/1999	--	--	*21*	--	--	--	--	--	
2/4/2000	--	--	<3	--	--	--	--	--	
9/29/2000	--	--	<2.50	--	--	--	--	--	
3/28/2001	--	--	*11.1*	--	--	--	--	--	
9/22/2001	--	--	*13*	--	--	--	--	--	
3/15/2002	--	--	<2.5	--	--	--	--	--	
7/23/2002	--	--	<2.5	--	--	--	--	--	
1/23/2003	<40	*<20*	1.9	<0.50	<0.50	<0.50	<0.50	*<0.50*	
07/01/2004	<100	*<20*	1.9	<0.50	<0.50	<0.50	<0.50	*<0.50*	
08/02/2005	<100	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
8/4/2006	<300	*<20*	2.1	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/9/2007	<300	*<20*	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/23/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/21/2009	<300	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	*<0.50*	
7/22/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-16									
7/21/2009	<300	<0.50	0.68	<0.50	<0.50	<0.50	<0.50	*<0.50*	

Table 3. Summary of Fuel Additives Analytical Data

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Well and Sample Date	Concentrations in (µg/L)								Footnote
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
ESL - DW	NE	12	5.0	NE	NE	NE	0.5	0.05	
ESL - NDW	NE	18,000	1,800	NE	NE	NE	200	150	
MW-16 Cont.									
1/12/2010	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
6/3/2010	<600	*<20*	<1.0	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	
7/22/2010	<600	*<20*	<1.0	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	
2/18/2011	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
MW-17									
7/21/2009	<300	10	2.8	<0.50	<0.50	1.0	<0.50	*<0.50*	
1/12/2010	<6,000	*<200*	*<10*	<10	<10	<10	*<10*	*<10*	
6/3/2010	<15,000	*<500*	*<25*	<25	<25	<25	*<25*	*<25*	
7/22/2010	<15,000	*<500*	*<25*	<25	<25	<25	*<25*	*<25*	
2/18/2011	<6,000	*<200*	*<10*	<10	<10	<10	*<10*	*<10*	
MW-18									
7/21/2009	<300	<10	4.8	<0.50	<0.50	3.0	<0.50	*<0.50*	
1/12/2010	<600	*<20*	*5.8*	<1.0	<1.0	4.7	*<1.0*	*<1.0*	
7/22/2010	<300	<10	*5.1*	<0.50	<0.50	4.9	<0.50	*<0.50*	
2/18/2011	<300	<10	3.8	<0.50	<0.50	3.2	<0.50	*<0.50*	
MW-19									
7/21/2009	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	*<0.50*	
SB-1									
3/9/2011	<30,000	*<1,000*	*<50*	<50	<50	<50	*<50*	*<50*	SB-1-GW
SB-2									
3/9/2011	<7,500	*250*	*<12*	<12	<12	<12	*<12*	*<12*	SB-2-GW
SB-3									
3/9/2011	<600	*<20*	2.1	<1.0	<1.0	<1.0	*<1.0*	*<1.0*	SB-3-GW
SB-4									
3/9/2011	<1,200	*<40*	2.2	<2.0	<2.0	<2.0	*<2.0*	*<2.0*	SB-4-GW

SYMBOLS & ABBREVIATIONS:
-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit.
1,2-DCA = 1,2-Dichloroethane
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
µg/L = Micrograms per Liter

FOOTNOTES:
a = The sample was re-extracted beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
b = Calibration verification for ethanol was within method limits but outside contract limits.
c = Original analysis for ethanol was a positive result. Reanalysis did not confirm.
d = Sample preserved improperly.
e = FP in well.
f = Insufficient water to sample.
g = Well was dry.
h = Reporting limits raised due to high level of non-target analytes (SVOCs) .

NOTES:
All volatile organic compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 4. Historical Groundwater Flow Direction and Gradient

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
8/4/1994	Southwest	0.004
11/20/1994	Southwest	0.002
3/17/1995	West-Southwest	0.006
6/1/1995	Southwest	0.003
8/31/1995	South-Southwest	0.005
11/27/1995	South-Southwest	0.004
2/22/1996	Northwest	0.007
5/20/1996	Southwest	0.007
8/26/1996	South-Southwest	0.004
11/20/1996	South-Southeast	0.004
3/24/1997	Southeast	0.013
5/23/1997	Southeast	0.014
8/19/1997	Southeast	0.04
11/19/1997	Southeast	0.016
2/19/1998	East	Variable
4/23/1998	Variable	Variable
7/27/1998	Southeast	0.05
10/14/1998	Southeast	0.02
1/21/1999	East	0.04
5/6/1999	Southeast	0.05
8/23/1999	Southeast	0.02
10/28/1999	Southeast	0.04
2/4/2000	East-Southeast	0.053
6/20/2000	East-Southeast	0.023
9/29/2000	East-Southeast	0.023
12/17/2000	East-Southeast	0.01
3/28/2001	East-Southeast	0.014
6/20/2001	East-Southeast	0.022
9/22/2001	East-Southeast	0.025
12/27/2001	East-Southeast	0.025
3/15/2002	East	0.015
4/18/2002	East	0.015
7/23/2002	East-Southeast	0.025
10/16/2002	East-Southeast	0.022
1/23/2003	East	0.020
4/7/2003	East-Southeast	0.033
8/7/2003	East-Southeast	0.047
10/23/2003	Southeast	0.047
1/12/2004	Southeast	0.042
4/20/2004	Southwest	0.005
7/1/2004	West	0.005
11/4/2004	West to Southwest	0.011 to 0.003

Table 4. Historical Groundwater Flow Direction and Gradient

ARCO Service Station #0601, 712 Lewelling Blvd., San Leandro, CA

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
1/10/2005	West to North	0.02 to 0.03
4/14/2005	Northwest to Southwest	0.005 to 0.02
8/2/2005	West to Southwest	0.004 to 0.01
10/21/2005	Southwest	0.005
1/4/2006	Variable	0.009 to 0.04
4/28/2006	Southwest	0.005
8/4/2006	South-Southwest	0.007
10/23/2006	South-Southwest	0.003
1/15/2007	Southwest	0.002
4/17/2007	Southwest	0.001
7/9/2007	Southwest	0.002
10/1/2007	Southwest	0.005
1/7/2008	Southwest	0.006
4/1/2008	Southwest	0.01
7/23/2008	South-Southwest	0.002
10/22/2008	South-Southwest	0.003
1/21/2009	South-Southwest	0.004
4/21/2009	Southwest	0.004
8/21/2009	Southwest	0.002
1/12/2010	Southwest	0.003
6/3/2010	Southwest	0.004
7/22/2010	Southwest	0.003
2/18/2011	**West-Northwest**	**0.003**

NOTES:
Wells resurveyed on 2/27/2004

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

APPENDIX A

REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

January 6, 2011

Charles Carmel (*Sent via E-mail to: charles.carmel@bp.com*)
Atlantic Richfield Company
(A BP Affiliated Company)
P.O. Box 1257
San Ramon, CA 94583

Subject: Feasibility Study Pilot Test for Fuel Leak Case No. RO0000309 and GeoTracker Global ID T0600100108, ARCO #0601, 712 Lewelling Boulevard, San Leandro, CA 94579

Dear Mr. Carmel:

Thank you for the recently submitted document entitled, "Work Plan for Additional Soil and Groundwater Investigation," dated November 19, 2010, which was prepared by Broadbent & Associates, Inc. for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned work plan for the above-referenced site. BAI has proposed to install four borings in the interior of the site to establish baseline conditions prior to initiating corrective action pilot testing.

ACEH generally concurs with the proposed scope of work and requests that you address the following technical comments, perform the proposed work, and send us the technical reports described below.

TECHNICAL COMMENTS

1. **Soil Sampling** – BAI proposes to collect soil samples "at three-foot intervals beginning at three feet bgs until a total depth of approximately 12 feet has been reached." ACEH recommends that in addition, soil samples are collected at intervals of obvious contamination, changes in lithology, and at the capillary fringe.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **April 6, 2011** – Soil and Water Investigation Report
- **April 5 or 30, 2011** – Semi-annual Monitoring Report (1st Quarter 2011)
- **October 5 or 30, 2011** – Semi-annual Monitoring Report (3rd Quarter 2011)

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: Thomas A. Sparrowe, Broadbent & Associates, Inc., 875 Cotting Lane, Suite G, Vacaville, CA 95688 (*Sent via E-mail to: tsparrowe@broadbentinc.com*)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Paresh Khatri, ACEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
GeoTracker
File

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

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.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans 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.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

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 Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

SOIL BORING DATA PACKAGE
(Includes Drilling Permit, Boring Logs and Certified Laboratory Analytical Report with Chain-of-Custody Documentation)

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/01/2011 By jamesy

Permit Numbers: W2011-0117
Permits Valid from 03/08/2011 to 03/09/2011

Application Id:	1298998473748	**City of Project Site:**	San Leandro
Site Location:	712 Lewelling Blvd./Arco Service Station 601		
Project Start Date:	03/14/2011	**Completion Date:**	03/14/2011
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org		
Extension Start Date:	03/08/2011	**Extension End Date:**	03/09/2011
Extension Count:	1	**Extended By:**	priest

Applicant:	Broadbent & Associates, Inc - Tom Sparrowe 875 Cotting Lane, Suite G, Vacaville, CA 95688	**Phone:**	707-455-7290
Property Owner:	Chuck Carmel LLC BP West Coast Products PO Box 1257, San Ramon, CA 94583	**Phone:**	925-275-3803
Client:	Chuck Carmel LLC BP West Coast Products PO Box 1257, San Ramon, CA 94583	**Phone:**	--
Contact:	Sam Barkley	**Phone:** **Cell:**	707-455-7290 530-588-2770

	Total Due:	$265.00
Receipt Number: WR2011-0055	**Total Amount Paid:**	$265.00
Payer Name : Tom Sparrowe	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 4 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2011-0117	03/01/2011	06/12/2011	4	2.00 in.	12.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters

generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

LITHOLOGIC AND SOIL BORING LOG

PROJECT NAME: BP/ARCO 601
SITE ADDRESS: 712 Lewelling Blvd., San Leandro, CA

PROJECT NUMBER: 06-88-605
LEGAL DESC: _____ APN: _____

LOGGED BY: Sam Barkley
FACILITY ID OR WAIVER: _____ NOI NUMBER: _____

DATE: 3/8/11 & 3/9/11 START: 1252
DRILLING COMPANY: Gregg DRILLER: Luis Menjivor

WELL ID: SB-1 STOP: 1333
DRILLING METHOD: Direct Push SAMPLE METHOD: Plastic sleeve

DEPTH (FEET)	Soil Boring	SAMPLE ID	PID	MOISTURE	COLOR	CONSISTENCY	GRAIN SIZE / CLASSIFICATION		ODORS
1				Dry	Dk. brown	Stiff	Asphalt and fill/base material 12" thick		
2									
3	GROUT	SB-1-3.0	0.0 ppm	Moist	Dk. gray	Firm			Organic
4							Silty clay	CL	
5									
6		SB-1-6.0	9.8 ppm	Moist	Dk. brown black	Firm			Organic
7									
8		SB-1-7.5-8.5	0.0 ppm		Dk. gray	Firm			None
9			197 ppm	Wet			Sandy silt - 40% sand and 60% fines	ML	
10					Dk. brown	Stiff			Hydrocarbon
11							Silty clay	CL	
12			20.5 ppm						
13									
14									
15									
16									
17									
18									
19									
20									

TOTAL BORING DEPTH: 12.0' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: 9'

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

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BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

LITHOLOGIC AND SOIL BORING LOG

PROJECT NAME: BP/ARCO 601
SITE ADDRESS: 712 Lewelling Blvd., San Leandro, CA

PROJECT NUMBER: 06-88-605
LEGAL DESC: _____ APN: _____

LOGGED BY: Sam Barkley
FACILITY ID OR WAIVER: _____ NOI NUMBER: _____

DATE: 3/8/11 & 3/9/11 START: 1115
DRILLING COMPANY: Gregg DRILLER: Luis Menjivor

WELL ID: SB-2 STOP: 1145
DRILLING METHOD: Direct Push SAMPLE METHOD: Plastic sleeve

DEPTH (FEET)	Soil Boring	SAMPLE ID	PID	MOISTURE	COLOR	CONSISTENCY	GRAIN SIZE	CLASSIFICATION	ODORS
1				Dry	Dk. brown	Stiff	Asphalt and fill/base material 12" thick		
2									
3	GROUT	SB-2-3.0	11.1 ppm	Slightly moist	Dk. gray	Stiff	Silty clay	CL	Slight hydrocarbon
4									
5									
6		SB-2-6.0	16.6 ppm	Moist	Dk. gray	Soft/ Loose	Sandy silt	ML	Organic
7						Stiff	Silty clay	CL	
8			263 ppm		Dk. brown	Soft	Sandy silt	ML	Hydrocarbon
9		SB-2-9.0-10.0			Dk. brown to gray	Firm	Silty clay	CL	
10						Soft/ Loose	Sandy silt	ML	Hydrocarbon
11			220 ppm	Wet		Firm	Silty clay	CL	Hydrocarbon
12									
13									
14									
15									
16									
17									
18									
19									
20									

TOTAL BORING DEPTH: 12.0' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: 10'10"

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

LITHOLOGIC AND SOIL BORING LOG

PROJECT NAME: BP/ARCO 601 | SITE ADDRESS: 712 Lewelling Blvd., San Leandro, CA

PROJECT NUMBER: 06-88-605 | LEGAL DESC: | APN:

LOGGED BY: Sam Barkley | FACILITY ID OR WAIVER: | NOI NUMBER:

DATE: 3/8/11 & 3/9/11 | START: 1028 | DRILLING COMPANY: Gregg | DRILLER: Luis Menjivor

WELL ID: SB-3 | STOP: 1100 | DRILLING METHOD: Direct Push | SAMPLE METHOD: Plastic sleeve

DEPTH (FEET)	Soil Boring	SAMPLE ID	PID	MOISTURE	COLOR	CONSISTENCY	GRAIN SIZE	CLASSIFICATION	ODORS
1				Slightly moist	Dk. brown	Firm	Asphalt and fill/base material 12" thick		
3	GROUT	SB-3-3.0	0.0 ppm	Moist	Dk. brown to gray	Soft	Silty clay	CL	Hydrocarbon
6		SB-3-6.0	38.1 ppm	Moist	Gray to brown	Soft			None
7							Sandy silt - 25% sand and 75% silt/fines	ML	
8			0.0 ppm		Dk. brown	Firm			Hydrocarbon
9		SB-3-9.0-10.0					Silty clay	CL	
10			201 ppm	Wet					Hydrocarbon
11					Brown	Stiff	Sandy silt - 35% sand and 65% silt/fines	ML	
12							Silty clay	CL	

TOTAL BORING DEPTH: 12.0' | PAGE NO: 1 OF 1 | ESTIMATED GROUNDWATER DEPTH: 10'6"

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

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BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

LITHOLOGIC AND SOIL BORING LOG

PROJECT NAME: BP/ARCO 601
SITE ADDRESS: 712 Lewelling Blvd., San Leandro, CA

PROJECT NUMBER: 06-88-605
LEGAL DESC: _____ APN: _____

LOGGED BY: Sam Barkley
FACILITY ID OR WAIVER: _____ NOI NUMBER: _____

DATE: 3/8/11 & 3/9/11 START: 0901
DRILLING COMPANY: Gregg DRILLER: Luis Menjivor

WELL ID: SB-4 STOP: 1014
DRILLING METHOD: Direct Push SAMPLE METHOD: Plastic sleeve

DEPTH (FEET)	Soil Boring	SAMPLE ID	PID	MOISTURE	COLOR	CONSISTENCY	GRAIN SIZE	CLASSIFICATION	ODORS
1				Slightly Moist	Dk. brown	Firm	Asphalt and fill/base material 12" thick		
3	GROUT	SB-4-3.0	0.0 ppm	Moist	Dk. brown	Soft	Silty clay		None
6		SB-4-6.0	98 ppm	Moist	Dk. brown and Gray	Soft		CL	None
8				Moist	Dk. brown and Gray	Soft	Silty clay		
9		SB-4-9.0-10.0							
10				Wet					
11			427ppm	Moist	Dk. brown	Hard	Sandy silt - 40% sand and 60% fines	ML	Hydrocarbon
							Silty clay	CL	

TOTAL BORING DEPTH: 12.0' PAGE NO: 1 OF 1 ESTIMATED GROUNDWATER DEPTH: 10'4"

THIS SUMMARY APPLIES ONLY AT THIS LOCATION AND AT THE TIME OF LOGGING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.

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Calscience
Environmental
Laboratories, Inc.

March 16, 2011

Tom Sparrowe
Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Subject: **Calscience Work Order No.: 11-03-0740**
Client Reference: BP 601

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/10/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Richard Villafania
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-GW	**11-03-0740-4-D**	**03/09/11 13:30**	**Aqueous**	**GC 22**	**03/11/11**	**03/12/11 00:13**	**110311B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	19000	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-GW	**11-03-0740-8-D**	**03/09/11 11:55**	**Aqueous**	**GC 22**	**03/11/11**	**03/12/11 00:46**	**110311B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	140000	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	150	38-134	LH,AY

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-GW	**11-03-0740-12-D**	**03/09/11 11:00**	**Aqueous**	**GC 22**	**03/11/11**	**03/12/11 01:19**	**110311B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	9400	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-GW	**11-03-0740-16-D**	**03/09/11 09:50**	**Aqueous**	**GC 22**	**03/11/11**	**03/12/11 01:52**	**110311B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	12000	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-695-1,033**	**N/A**	**Aqueous**	**GC 22**	**03/11/11**	**03/11/11 12:41**	**110311B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	79	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-3.0	**11-03-0740-1-A**	**03/08/11 14:40**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 03:16**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	21	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-6.0	**11-03-0740-2-A**	**03/08/11 14:50**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 03:47**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	25	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	83	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-7.5-8.5	**11-03-0740-3-A**	**03/09/11 13:20**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 04:19**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	150	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-3.0	**11-03-0740-5-A**	**03/08/11 13:35**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 04:52**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	17	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-6.0	**11-03-0740-6-A**	**03/08/11 13:50**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 09:42**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	9.1	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-9.0-10.0	**11-03-0740-7-A**	**03/09/11 11:47**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 05:56**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	250	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-3.0	**11-03-0740-9-A**	**03/08/11 12:00**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 06:28**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	12	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-6.0	**11-03-0740-10-A**	**03/08/11 12:15**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 10:14**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	4.8	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-9.0-10.0	**11-03-0740-11-A**	**03/09/11 10:45**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 08:37**	**110311B02**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	130	10	20		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-3.0	**11-03-0740-13-A**	**03/08/11 11:00**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 00:34**	**110311B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	76	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-6.0	**11-03-0740-14-A**	**03/08/11 11:15**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 02:43**	**110311B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	0.53	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-9.0-10.0	**11-03-0740-15-A**	**03/09/11 09:40**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 10:47**	**110311B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	2.5	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	77	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received: 03/10/11
875 Cotting Lane, Suite G	Work Order No: 11-03-0740
Vacaville, CA 95688-9299	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-697-291**	**N/A**	**Solid**	**GC 4**	**03/10/11**	**03/12/11 00:02**	**110311B02**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	4.0	8		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	78	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-697-292**	**N/A**	**Solid**	**GC 4**	**03/10/11**	**03/11/11 23:30**	**110311B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-GW	**11-03-0740-4-A**	**03/09/11 13:30**	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11 12:42**	**110311L01**

Comment(s): BH-Reporting limit is raised due to high levels of non-target hydrocarbons.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	120	50	100		Methyl-t-Butyl Ether (MTBE)	ND	50	100	
1,2-Dibromoethane	ND	50	100		Tert-Butyl Alcohol (TBA)	ND	1000	100	
1,2-Dichloroethane	ND	50	100		Diisopropyl Ether (DIPE)	ND	50	100	
Ethylbenzene	76	50	100		Ethyl-t-Butyl Ether (ETBE)	ND	50	100	
Toluene	ND	50	100		Tert-Amyl-Methyl Ether (TAME)	ND	50	100	
Xylenes (total)	ND	50	100		Ethanol	ND	30000	100	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	112	80-128			Dibromofluoromethane	101	80-127		
Toluene-d8	115	80-120			1,4-Bromofluorobenzene	104	68-120		

SB-2-GW	**11-03-0740-8-A**	**03/09/11 11:55**	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11 20:01**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	380	12	25		Methyl-t-Butyl Ether (MTBE)	ND	12	25	
1,2-Dibromoethane	ND	12	25		Tert-Butyl Alcohol (TBA)	ND	250	25	
1,2-Dichloroethane	ND	12	25		Diisopropyl Ether (DIPE)	ND	12	25	
Ethylbenzene	130	12	25		Ethyl-t-Butyl Ether (ETBE)	ND	12	25	
Toluene	ND	12	25		Tert-Amyl-Methyl Ether (TAME)	ND	12	25	
Xylenes (total)	ND	12	25		Ethanol	ND	7500	25	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	111	80-128			Dibromofluoromethane	102	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	103	68-120		

SB-3-GW	**11-03-0740-12-A**	**03/09/11 11:00**	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11 20:28**	**110311L01**

Comment(s): BH-Reporting limit is raised due to high levels of non-target hydrocarbons.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.5	1.0	2		Methyl-t-Butyl Ether (MTBE)	2.1	1.0	2	
1,2-Dibromoethane	ND	1.0	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
1,2-Dichloroethane	ND	1.0	2		Diisopropyl Ether (DIPE)	ND	1.0	2	
Ethylbenzene	1.9	1.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2	
Toluene	2.3	1.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2	
Xylenes (total)	3.4	1.0	2		Ethanol	ND	600	2	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	112	80-128			Dibromofluoromethane	104	80-127		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	107	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-GW	**11-03-0740-16-A**	**03/09/11 09:50**	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11 20:56**	**110311L01**

Comment(s): BH-Reporting limit is raised due to high levels of non-target hydrocarbons.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.0	4		Methyl-t-Butyl Ether (MTBE)	2.2	2.0	4	
1,2-Dibromoethane	ND	2.0	4		Tert-Butyl Alcohol (TBA)	ND	40	4	
1,2-Dichloroethane	ND	2.0	4		Diisopropyl Ether (DIPE)	ND	2.0	4	
Ethylbenzene	9.1	2.0	4		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	4	
Toluene	ND	2.0	4		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	4	
Xylenes (total)	ND	2.0	4		Ethanol	ND	1200	4	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	107	80-128			Dibromofluoromethane	100	80-127		
Toluene-d8	112	80-120			1,4-Bromofluorobenzene	102	68-120		

Method Blank	**099-12-703-1,647**	**N/A**	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11 11:48**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	103	80-128			Dibromofluoromethane	96	80-127		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	84	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: BP 601		Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-1-3.0	**11-03-0740-1-A**	**03/08/11 14:40**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 18:09**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	103	60-132		

SB-1-6.0	**11-03-0740-2-A**	**03/08/11 14:50**	**Solid**	**GC/MS V V**	**03/10/11**	**03/14/11 20:17**	**110314L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	0.0010	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	63-141			1,2-Dichloroethane-d4	103	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	109	60-132		

SB-1-7.5-8.5	**11-03-0740-3-A**	**03/09/11 13:20**	**Solid**	**GC/MS V V**	**03/10/11**	**03/12/11 01:31**	**110311L02**

Comment(s): BH-Reporting limit is raised due to high levels of non-target hydrocarbons.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.10	100		Xylenes (total)	ND	0.10	100	
1,2-Dibromoethane	ND	0.10	100		Methyl-t-Butyl Ether (MTBE)	ND	0.10	100	
1,2-Dichloroethane	ND	0.10	100		Tert-Butyl Alcohol (TBA)	ND	1.0	100	
Ethylbenzene	ND	0.10	100		Diisopropyl Ether (DIPE)	ND	0.20	100	
Ethanol	ND	10	100		Ethyl-t-Butyl Ether (ETBE)	ND	0.20	100	
Toluene	ND	0.10	100		Tert-Amyl-Methyl Ether (TAME)	ND	0.20	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	103	80-120			1,4-Bromofluorobenzene	107	60-132		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg
Project: BP 601		Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-2-3.0	**11-03-0740-5-A**	**03/08/11 13:35**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 18:38**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	101	60-132		

SB-2-6.0	**11-03-0740-6-A**	**03/08/11 13:50**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 19:08**		**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	63-141			1,2-Dichloroethane-d4	97	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	100	60-132		

SB-2-9.0-10.0	**11-03-0740-7-A**	**03/09/11 11:47**	**Solid**	**GC/MS V V**	**03/10/11**	**03/12/11 02:01**		**110311L02**

Comment(s): BH-Reporting limit is raised due to high levels of non-target hydrocarbons.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.10	100		Xylenes (total)	ND	0.10	100	
1,2-Dibromoethane	ND	0.10	100		Methyl-t-Butyl Ether (MTBE)	ND	0.10	100	
1,2-Dichloroethane	ND	0.10	100		Tert-Butyl Alcohol (TBA)	ND	1.0	100	
Ethylbenzene	ND	0.10	100		Diisopropyl Ether (DIPE)	ND	0.20	100	
Ethanol	ND	10	100		Ethyl-t-Butyl Ether (ETBE)	ND	0.20	100	
Toluene	ND	0.10	100		Tert-Amyl-Methyl Ether (TAME)	ND	0.20	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	63-141			1,2-Dichloroethane-d4	101	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	104	60-132		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-3.0	**11-03-0740-9-A**	**03/08/11 12:00**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 19:37**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	99	60-132		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-6.0	**11-03-0740-10-A**	**03/08/11 12:15**	**Solid**	**GC/MS V V**	**03/10/11**	**03/14/11 13:24**	**110314L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	63-141			1,2-Dichloroethane-d4	109	62-146		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	101	60-132		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-3-9.0-10.0	**11-03-0740-11-A**	**03/09/11 10:45**	**Solid**	**GC/MS V V**	**03/10/11**	**03/15/11 13:40**	**110315L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	63-141			1,2-Dichloroethane-d4	103	62-146		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	114	60-132		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-3.0	**11-03-0740-13-A**	**03/08/11 11:00**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 16:10**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	98	60-132		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-6.0	**11-03-0740-14-A**	**03/08/11 11:15**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 20:37**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	99	60-132		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SB-4-9.0-10.0	**11-03-0740-15-A**	**03/09/11 09:40**	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11 21:06**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	63-141			1,2-Dichloroethane-d4	100	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	100	60-132		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B
Units: mg/kg

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-709-475**	**N/A**	**Solid**	**GC/MS V V**	**03/11/11**	**03/11/11 15:41**	**110311L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	63-141			1,2-Dichloroethane-d4	99	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	99	60-132		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-709-477**	**N/A**	**Solid**	**GC/MS V V**	**03/11/11**	**03/12/11 00:32**	**110311L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.10	100		Xylenes (total)	ND	0.10	100	
1,2-Dibromoethane	ND	0.10	100		Methyl-t-Butyl Ether (MTBE)	ND	0.10	100	
1,2-Dichloroethane	ND	0.10	100		Tert-Butyl Alcohol (TBA)	ND	1.0	100	
Ethylbenzene	ND	0.10	100		Diisopropyl Ether (DIPE)	ND	0.20	100	
Ethanol	ND	10	100		Ethyl-t-Butyl Ether (ETBE)	ND	0.20	100	
Toluene	ND	0.10	100		Tert-Amyl-Methyl Ether (TAME)	ND	0.20	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	63-141			1,2-Dichloroethane-d4	102	62-146		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	97	60-132		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-709-478**	**N/A**	**Solid**	**GC/MS V V**	**03/14/11**	**03/14/11 12:25**	**110314L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	63-141			1,2-Dichloroethane-d4	105	62-146		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	100	60-132		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	03/10/11
875 Cotting Lane, Suite G	Work Order No:	11-03-0740
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	mg/kg

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-709-479**	**N/A**	**Solid**	**GC/MS V V**	**03/15/11**	**03/15/11 12:41**	**110315L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.0010	1		Xylenes (total)	ND	0.0010	1	
1,2-Dibromoethane	ND	0.0010	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0010	1	
1,2-Dichloroethane	ND	0.0010	1		Tert-Butyl Alcohol (TBA)	ND	0.010	1	
Ethylbenzene	ND	0.0010	1		Diisopropyl Ether (DIPE)	ND	0.0020	1	
Ethanol	ND	0.10	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	1	
Toluene	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0020	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	63-141			1,2-Dichloroethane-d4	104	62-146		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	99	60-132		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-0418-4	**Aqueous**	**GC 22**	**03/11/11**	**03/11/11**	**110311S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	90	95	38-134	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-4-3.0	**Solid**	**GC 4**	**03/10/11**	**03/12/11**	**110311S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	86	87	42-126	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-0739-7	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11**	**110311S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	92	76-124	8	0-20	
Carbon Tetrachloride	120	112	74-134	7	0-20	
Chlorobenzene	110	105	80-120	5	0-20	
1,2-Dibromoethane	113	105	80-120	7	0-20	
1,2-Dichlorobenzene	108	108	80-120	0	0-20	
1,2-Dichloroethane	125	104	80-120	18	0-20	LM,AY
Ethylbenzene	111	106	78-126	4	0-20	
Toluene	122	98	80-120	22	0-20	LM,BA,AY
Trichloroethene	107	99	77-120	8	0-20	
Methyl-t-Butyl Ether (MTBE)	107	95	67-121	12	0-49	
Tert-Butyl Alcohol (TBA)	116	114	36-162	2	0-30	
Diisopropyl Ether (DIPE)	100	91	60-138	10	0-45	
Ethyl-t-Butyl Ether (ETBE)	98	90	69-123	8	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	83	65-120	15	0-20	
Ethanol	111	103	30-180	7	0-72	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SB-4-3.0	**Solid**	**GC/MS V V**	**03/10/11**	**03/11/11**	**110311S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	99	61-127	3	0-20	
Chloroform	104	105	80-120	1	0-20	
1,1-Dichloroethane	107	110	80-120	2	0-20	
1,2-Dichloroethane	95	96	80-120	1	0-20	
1,1-Dichloroethene	103	107	47-143	4	0-25	
Ethanol	115	119	17-167	3	0-47	
Tetrachloroethene	100	108	80-120	8	0-20	
Toluene	99	102	63-123	3	0-20	
Trichloroethene	99	104	44-158	5	0-20	
Methyl-t-Butyl Ether (MTBE)	100	100	57-123	1	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-0909-1	**Solid**	**GC/MS V V**	**03/11/11**	**03/14/11**	**110314S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	102	61-127	2	0-20	
1,2-Dichloroethane	99	102	80-120	3	0-20	
1,1-Dichloroethene	106	110	47-143	4	0-25	
Ethanol	127	106	17-167	18	0-47	
Toluene	103	104	63-123	1	0-20	
Trichloroethene	112	114	44-158	2	0-20	
Methyl-t-Butyl Ether (MTBE)	99	102	57-123	3	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 03/10/11
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-03-0937-12	**Solid**	**GC/MS V V**	**03/12/11**	**03/15/11**	**110315S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	96	61-127	0	0-20	
1,2-Dichloroethane	97	96	80-120	1	0-20	
1,1-Dichloroethene	103	101	47-143	2	0-25	
Ethanol	100	112	17-167	12	0-47	
Toluene	101	100	63-123	1	0-20	
Trichloroethene	99	98	44-158	1	0-20	
Methyl-t-Butyl Ether (MTBE)	106	104	57-123	2	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-1,033	**Aqueous**	**GC 22**	**03/11/11**	**03/11/11**	**110311B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	100	99	78-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-697-291	**Solid**	**GC 4**	**03/10/11**	**03/11/11**	**110311B02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	99	100	70-118	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-697-292	**Solid**	**GC 4**	**03/10/11**	**03/11/11**	**110311B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	99	100	70-118	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-1,647	**Aqueous**	**GC/MS L**	**03/11/11**	**03/11/11**	**110311L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	93	91	80-120	73-127	2	0-20	
Carbon Tetrachloride	116	108	74-134	64-144	7	0-20	
Chlorobenzene	107	103	80-120	73-127	4	0-20	
1,2-Dibromoethane	107	102	79-121	72-128	4	0-20	
1,2-Dichlorobenzene	103	99	80-120	73-127	4	0-20	
1,2-Dichloroethane	114	114	80-120	73-127	1	0-20	
Ethylbenzene	107	103	80-120	73-127	4	0-20	
Toluene	112	95	80-120	73-127	17	0-20	
Trichloroethene	101	97	79-127	71-135	5	0-20	
Methyl-t-Butyl Ether (MTBE)	93	90	69-123	60-132	3	0-20	
Tert-Butyl Alcohol (TBA)	83	95	63-123	53-133	14	0-20	
Diisopropyl Ether (DIPE)	92	91	59-137	46-150	2	0-37	
Ethyl-t-Butyl Ether (ETBE)	88	86	69-123	60-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	86	86	70-120	62-128	0	0-20	
Ethanol	92	102	28-160	6-182	10	0-57	

Total number of LCS compounds : 15
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-475	**Solid**	**GC/MS V V**	**03/11/11**	**03/11/11**	**110311L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	94	78-120	71-127	1	0-20	
Bromobenzene	100	98	80-120	73-127	2	0-20	
Bromochloromethane	97	105	80-120	73-127	8	0-20	
Bromodichloromethane	103	103	80-120	73-127	0	0-20	
Bromoform	101	108	80-120	73-127	7	0-20	
Bromomethane	142	143	80-120	73-127	1	0-20	
n-Butylbenzene	98	99	77-123	69-131	2	0-25	
sec-Butylbenzene	99	100	80-120	73-127	0	0-20	
tert-Butylbenzene	99	98	80-120	73-127	1	0-20	
Carbon Disulfide	102	96	80-120	73-127	6	0-20	
Carbon Tetrachloride	101	102	49-139	34-154	1	0-20	
Chlorobenzene	100	100	79-120	72-127	0	0-20	
Chloroethane	98	94	80-120	73-127	4	0-20	
Chloroform	97	102	80-120	73-127	5	0-20	
Chloromethane	89	88	80-120	73-127	1	0-20	
2-Chlorotoluene	101	99	80-120	73-127	2	0-20	
4-Chlorotoluene	97	100	80-120	73-127	3	0-20	
Dibromochloromethane	105	109	80-120	73-127	3	0-20	
1,2-Dibromo-3-Chloropropane	103	91	80-120	73-127	13	0-20	
1,2-Dibromoethane	107	104	80-120	73-127	2	0-20	
Dibromomethane	99	99	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	99	98	75-120	68-128	1	0-20	
1,3-Dichlorobenzene	95	97	80-120	73-127	2	0-20	
1,4-Dichlorobenzene	96	97	80-120	73-127	0	0-20	
Dichlorodifluoromethane	100	99	80-120	73-127	1	0-20	
1,1-Dichloroethane	100	104	80-120	73-127	4	0-20	
1,2-Dichloroethane	97	96	80-120	73-127	1	0-20	
1,1-Dichloroethene	98	97	74-122	66-130	2	0-20	
c-1,2-Dichloroethene	95	101	80-120	73-127	6	0-20	
t-1,2-Dichloroethene	96	105	80-120	73-127	9	0-20	
1,2-Dichloropropane	98	96	79-115	73-121	2	0-25	
1,3-Dichloropropane	102	100	80-120	73-127	2	0-20	
2,2-Dichloropropane	98	87	80-120	73-127	12	0-20	
1,1-Dichloropropene	101	98	80-120	73-127	4	0-20	
c-1,3-Dichloropropene	102	97	80-120	73-127	5	0-20	
t-1,3-Dichloropropene	105	100	80-120	73-127	5	0-20	
Ethylbenzene	101	100	76-120	69-127	1	0-20	
Isopropylbenzene	103	99	80-120	73-127	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-475	**Solid**	**GC/MS V V**	**03/11/11**	**03/11/11**	**110311L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
p-Isopropyltoluene	98	100	80-120	73-127	2	0-20	
Methylene Chloride	100	110	80-120	73-127	9	0-20	
Naphthalene	105	104	80-120	73-127	1	0-20	
n-Propylbenzene	103	99	80-120	73-127	4	0-20	
Styrene	102	101	80-120	73-127	1	0-20	
Ethanol	95	108	56-140	42-154	12	0-20	
1,1,1,2-Tetrachloroethane	104	102	80-120	73-127	2	0-20	
1,1,2,2-Tetrachloroethane	99	98	80-120	73-127	1	0-20	
Tetrachloroethene	96	102	80-120	73-127	6	0-20	
Toluene	100	97	77-120	70-127	3	0-20	
1,2,3-Trichlorobenzene	98	100	80-120	73-127	1	0-20	
1,2,4-Trichlorobenzene	96	98	80-120	73-127	2	0-20	
1,1,1-Trichloroethane	96	100	80-120	73-127	4	0-20	
1,1,2-Trichloroethane	99	101	80-120	73-127	2	0-20	
Trichloroethene	97	99	80-120	73-127	2	0-20	
Trichlorofluoromethane	100	100	80-120	73-127	0	0-20	
1,2,3-Trichloropropane	105	102	80-120	73-127	3	0-20	
1,2,4-Trimethylbenzene	97	100	80-120	73-127	3	0-20	
1,3,5-Trimethylbenzene	102	101	80-120	73-127	1	0-20	
Vinyl Acetate	125	68	80-120	73-127	59	0-20	
Vinyl Chloride	98	96	68-122	59-131	2	0-20	
Xylenes (total)	100	99	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	99	100	77-120	70-127	1	0-20	
Tert-Butyl Alcohol (TBA)	89	92	68-122	59-131	3	0-20	
Diisopropyl Ether (DIPE)	97	98	78-120	71-127	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	95	78-120	71-127	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	103	92	75-120	68-128	11	0-20	

Total number of LCS compounds : 65
Total number of ME compounds : 1
Total number of ME compounds allowed : 3
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-477	**Solid**	**GC/MS V V**	**03/11/11**	**03/11/11**	**110311L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	95	78-120	71-127	0	0-20	
Bromobenzene	94	95	80-120	73-127	1	0-20	
Bromochloromethane	100	106	80-120	73-127	6	0-20	
Bromodichloromethane	103	104	80-120	73-127	1	0-20	
Bromoform	103	112	80-120	73-127	9	0-20	
Bromomethane	120	126	80-120	73-127	4	0-20	
n-Butylbenzene	95	89	77-123	69-131	6	0-25	
sec-Butylbenzene	98	97	80-120	73-127	2	0-20	
tert-Butylbenzene	91	91	80-120	73-127	1	0-20	
Carbon Disulfide	96	98	80-120	73-127	2	0-20	
Carbon Tetrachloride	99	99	49-139	34-154	0	0-20	
Chlorobenzene	97	96	79-120	72-127	1	0-20	
Chloroethane	96	96	80-120	73-127	1	0-20	
Chloroform	100	103	80-120	73-127	2	0-20	
Chloromethane	82	87	80-120	73-127	6	0-20	
2-Chlorotoluene	97	94	80-120	73-127	2	0-20	
4-Chlorotoluene	96	95	80-120	73-127	1	0-20	
Dibromochloromethane	105	110	80-120	73-127	5	0-20	
1,2-Dibromo-3-Chloropropane	96	106	80-120	73-127	10	0-20	
1,2-Dibromoethane	104	109	80-120	73-127	5	0-20	
Dibromomethane	99	101	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	94	94	75-120	68-128	0	0-20	
1,3-Dichlorobenzene	91	91	80-120	73-127	0	0-20	
1,4-Dichlorobenzene	90	89	80-120	73-127	2	0-20	
Dichlorodifluoromethane	96	96	80-120	73-127	1	0-20	
1,1-Dichloroethane	100	105	80-120	73-127	5	0-20	
1,2-Dichloroethane	95	98	80-120	73-127	3	0-20	
1,1-Dichloroethene	96	97	74-122	66-130	1	0-20	
c-1,2-Dichloroethene	97	101	80-120	73-127	3	0-20	
t-1,2-Dichloroethene	94	92	80-120	73-127	1	0-20	
1,2-Dichloropropane	97	97	79-115	73-121	0	0-25	
1,3-Dichloropropane	100	104	80-120	73-127	4	0-20	
2,2-Dichloropropane	84	87	80-120	73-127	3	0-20	
1,1-Dichloropropene	96	96	80-120	73-127	0	0-20	
c-1,3-Dichloropropene	96	97	80-120	73-127	1	0-20	
t-1,3-Dichloropropene	98	103	80-120	73-127	5	0-20	
Ethylbenzene	100	99	76-120	69-127	1	0-20	
Isopropylbenzene	99	97	80-120	73-127	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-477	**Solid**	**GC/MS V V**	**03/11/11**	**03/11/11**	**110311L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
p-Isopropyltoluene	97	93	80-120	73-127	5	0-20	
Methylene Chloride	95	98	80-120	73-127	4	0-20	
Naphthalene	99	101	80-120	73-127	1	0-20	
n-Propylbenzene	98	95	80-120	73-127	3	0-20	
Styrene	99	99	80-120	73-127	0	0-20	
Ethanol	104	88	56-140	42-154	16	0-20	
1,1,1,2-Tetrachloroethane	103	103	80-120	73-127	0	0-20	
1,1,2,2-Tetrachloroethane	87	96	80-120	73-127	10	0-20	
Tetrachloroethene	131	128	80-120	73-127	2	0-20	
Toluene	98	98	77-120	70-127	0	0-20	
1,2,3-Trichlorobenzene	92	88	80-120	73-127	5	0-20	
1,2,4-Trichlorobenzene	89	82	80-120	73-127	8	0-20	
1,1,1-Trichloroethane	98	100	80-120	73-127	2	0-20	
1,1,2-Trichloroethane	98	104	80-120	73-127	6	0-20	
Trichloroethene	106	102	80-120	73-127	4	0-20	
Trichlorofluoromethane	97	97	80-120	73-127	0	0-20	
1,2,3-Trichloropropane	98	109	80-120	73-127	10	0-20	
1,2,4-Trimethylbenzene	96	95	80-120	73-127	1	0-20	
1,3,5-Trimethylbenzene	98	95	80-120	73-127	2	0-20	
Vinyl Acetate	52	50	80-120	73-127	3	0-20	
Vinyl Chloride	94	96	68-122	59-131	2	0-20	
Xylenes (total)	98	97	80-120	73-127	0	0-20	
Methyl-t-Butyl Ether (MTBE)	92	98	77-120	70-127	6	0-20	
Tert-Butyl Alcohol (TBA)	101	86	68-122	59-131	16	0-20	
Diisopropyl Ether (DIPE)	98	100	78-120	71-127	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	95	78-120	71-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	92	95	75-120	68-128	3	0-20	

Total number of LCS compounds : 65
Total number of ME compounds : 1
Total number of ME compounds allowed : 3
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-478	**Solid**	**GC/MS V V**	**03/14/11**	**03/14/11**	**110314L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	100	78-120	71-127	9	0-20	
Bromobenzene	103	101	80-120	73-127	3	0-20	
Bromochloromethane	104	107	80-120	73-127	3	0-20	
Bromodichloromethane	109	108	80-120	73-127	0	0-20	
Bromoform	111	112	80-120	73-127	1	0-20	
Bromomethane	149	138	80-120	73-127	7	0-20	
n-Butylbenzene	110	103	77-123	69-131	6	0-25	
sec-Butylbenzene	107	105	80-120	73-127	2	0-20	
tert-Butylbenzene	106	106	80-120	73-127	1	0-20	
Carbon Disulfide	116	106	80-120	73-127	9	0-20	
Carbon Tetrachloride	108	104	49-139	34-154	4	0-20	
Chlorobenzene	103	102	79-120	72-127	1	0-20	
Chloroethane	117	104	80-120	73-127	11	0-20	
Chloroform	105	106	80-120	73-127	1	0-20	
Chloromethane	111	96	80-120	73-127	14	0-20	
2-Chlorotoluene	106	102	80-120	73-127	4	0-20	
4-Chlorotoluene	106	104	80-120	73-127	2	0-20	
Dibromochloromethane	110	110	80-120	73-127	1	0-20	
1,2-Dibromo-3-Chloropropane	113	100	80-120	73-127	12	0-20	
1,2-Dibromoethane	110	110	80-120	73-127	0	0-20	
Dibromomethane	104	105	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	104	100	75-120	68-128	4	0-20	
1,3-Dichlorobenzene	103	100	80-120	73-127	3	0-20	
1,4-Dichlorobenzene	104	99	80-120	73-127	4	0-20	
Dichlorodifluoromethane	162	144	80-120	73-127	12	0-20	
1,1-Dichloroethane	110	101	80-120	73-127	8	0-20	
1,2-Dichloroethane	95	104	80-120	73-127	9	0-20	
1,1-Dichloroethene	110	101	74-122	66-130	9	0-20	
c-1,2-Dichloroethene	103	95	80-120	73-127	8	0-20	
t-1,2-Dichloroethene	107	98	80-120	73-127	9	0-20	
1,2-Dichloropropane	103	102	79-115	73-121	1	0-25	
1,3-Dichloropropane	106	103	80-120	73-127	3	0-20	
2,2-Dichloropropane	113	102	80-120	73-127	10	0-20	
1,1-Dichloropropene	105	101	80-120	73-127	4	0-20	
c-1,3-Dichloropropene	106	106	80-120	73-127	0	0-20	
t-1,3-Dichloropropene	112	110	80-120	73-127	1	0-20	
Ethylbenzene	107	104	76-120	69-127	2	0-20	
Isopropylbenzene	108	105	80-120	73-127	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-478	**Solid**	**GC/MS V V**	**03/14/11**	**03/14/11**	**110314L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
p-Isopropyltoluene	107	103	80-120	73-127	4	0-20	
Methylene Chloride	110	101	80-120	73-127	9	0-20	
Naphthalene	109	99	80-120	73-127	9	0-20	
n-Propylbenzene	108	105	80-120	73-127	3	0-20	
Styrene	107	105	80-120	73-127	3	0-20	
Ethanol	82	82	56-140	42-154	0	0-20	
1,1,1,2-Tetrachloroethane	109	106	80-120	73-127	3	0-20	
1,1,2,2-Tetrachloroethane	109	107	80-120	73-127	2	0-20	
Tetrachloroethene	97	95	80-120	73-127	1	0-20	
Toluene	105	104	77-120	70-127	0	0-20	
1,2,3-Trichlorobenzene	106	96	80-120	73-127	9	0-20	
1,2,4-Trichlorobenzene	111	98	80-120	73-127	13	0-20	
1,1,1-Trichloroethane	107	105	80-120	73-127	2	0-20	
1,1,2-Trichloroethane	104	104	80-120	73-127	0	0-20	
Trichloroethene	102	102	80-120	73-127	0	0-20	
Trichlorofluoromethane	117	106	80-120	73-127	10	0-20	
1,2,3-Trichloropropane	111	109	80-120	73-127	1	0-20	
1,2,4-Trimethylbenzene	104	101	80-120	73-127	3	0-20	
1,3,5-Trimethylbenzene	110	102	80-120	73-127	7	0-20	
Vinyl Acetate	172	141	80-120	73-127	20	0-20	
Vinyl Chloride	113	102	68-122	59-131	10	0-20	
Xylenes (total)	105	103	80-120	73-127	2	0-20	
Methyl-t-Butyl Ether (MTBE)	111	101	77-120	70-127	10	0-20	
Tert-Butyl Alcohol (TBA)	88	90	68-122	59-131	2	0-20	
Diisopropyl Ether (DIPE)	108	99	78-120	71-127	9	0-20	
Ethyl-t-Butyl Ether (ETBE)	108	99	78-120	71-127	8	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	106	75-120	68-128	2	0-20	

Total number of LCS compounds : 65
Total number of ME compounds : 0
Total number of ME compounds allowed : 3
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-479	**Solid**	**GC/MS V V**	**03/15/11**	**03/15/11**	**110315L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	94	78-120	71-127	2	0-20	
Bromobenzene	100	98	80-120	73-127	2	0-20	
Bromochloromethane	101	98	80-120	73-127	2	0-20	
Bromodichloromethane	103	103	80-120	73-127	0	0-20	
Bromoform	101	110	80-120	73-127	9	0-20	
Bromomethane	135	138	80-120	73-127	3	0-20	
n-Butylbenzene	107	104	77-123	69-131	3	0-25	
sec-Butylbenzene	104	104	80-120	73-127	0	0-20	
tert-Butylbenzene	102	103	80-120	73-127	1	0-20	
Carbon Disulfide	106	102	80-120	73-127	4	0-20	
Carbon Tetrachloride	101	101	49-139	34-154	1	0-20	
Chlorobenzene	99	97	79-120	72-127	2	0-20	
Chloroethane	113	109	80-120	73-127	4	0-20	
Chloroform	101	96	80-120	73-127	4	0-20	
Chloromethane	103	100	80-120	73-127	2	0-20	
2-Chlorotoluene	104	102	80-120	73-127	3	0-20	
4-Chlorotoluene	102	102	80-120	73-127	0	0-20	
Dibromochloromethane	105	108	80-120	73-127	3	0-20	
1,2-Dibromo-3-Chloropropane	105	108	80-120	73-127	3	0-20	
1,2-Dibromoethane	101	107	80-120	73-127	6	0-20	
Dibromomethane	100	103	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	100	100	75-120	68-128	0	0-20	
1,3-Dichlorobenzene	98	97	80-120	73-127	1	0-20	
1,4-Dichlorobenzene	98	98	80-120	73-127	1	0-20	
Dichlorodifluoromethane	146	143	80-120	73-127	2	0-20	
1,1-Dichloroethane	104	100	80-120	73-127	4	0-20	
1,2-Dichloroethane	95	100	80-120	73-127	4	0-20	
1,1-Dichloroethene	102	98	74-122	66-130	4	0-20	
c-1,2-Dichloroethene	99	95	80-120	73-127	4	0-20	
t-1,2-Dichloroethene	101	97	80-120	73-127	4	0-20	
1,2-Dichloropropane	97	97	79-115	73-121	0	0-25	
1,3-Dichloropropane	98	101	80-120	73-127	3	0-20	
2,2-Dichloropropane	103	97	80-120	73-127	6	0-20	
1,1-Dichloropropene	98	100	80-120	73-127	2	0-20	
c-1,3-Dichloropropene	100	101	80-120	73-127	1	0-20	
t-1,3-Dichloropropene	104	107	80-120	73-127	3	0-20	
Ethylbenzene	102	102	76-120	69-127	0	0-20	
Isopropylbenzene	106	104	80-120	73-127	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-03-0740
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-709-479	**Solid**	**GC/MS V V**	**03/15/11**	**03/15/11**	**110315L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
p-Isopropyltoluene	105	105	80-120	73-127	0	0-20	
Methylene Chloride	104	100	80-120	73-127	3	0-20	
Naphthalene	101	97	80-120	73-127	4	0-20	
n-Propylbenzene	106	104	80-120	73-127	1	0-20	
Styrene	103	102	80-120	73-127	0	0-20	
Ethanol	78	86	56-140	42-154	10	0-20	
1,1,1,2-Tetrachloroethane	104	101	80-120	73-127	2	0-20	
1,1,2,2-Tetrachloroethane	100	108	80-120	73-127	7	0-20	
Tetrachloroethene	92	90	80-120	73-127	2	0-20	
Toluene	100	100	77-120	70-127	0	0-20	
1,2,3-Trichlorobenzene	102	96	80-120	73-127	6	0-20	
1,2,4-Trichlorobenzene	105	97	80-120	73-127	8	0-20	
1,1,1-Trichloroethane	102	102	80-120	73-127	0	0-20	
1,1,2-Trichloroethane	98	101	80-120	73-127	3	0-20	
Trichloroethene	97	96	80-120	73-127	1	0-20	
Trichlorofluoromethane	116	112	80-120	73-127	4	0-20	
1,2,3-Trichloropropane	102	112	80-120	73-127	9	0-20	
1,2,4-Trimethylbenzene	101	100	80-120	73-127	1	0-20	
1,3,5-Trimethylbenzene	108	104	80-120	73-127	4	0-20	
Vinyl Acetate	160	154	80-120	73-127	3	0-20	
Vinyl Chloride	118	115	68-122	59-131	3	0-20	
Xylenes (total)	102	101	80-120	73-127	1	0-20	
Methyl-t-Butyl Ether (MTBE)	102	102	77-120	70-127	0	0-20	
Tert-Butyl Alcohol (TBA)	83	88	68-122	59-131	6	0-20	
Diisopropyl Ether (DIPE)	100	97	78-120	71-127	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	102	99	78-120	71-127	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	104	75-120	68-128	3	0-20	

Total number of LCS compounds : 65
Total number of ME compounds : 0
Total number of ME compounds allowed : 3
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-03-0740

Qualifier	Definition
AX	Sample too dilute to quantify surrogate.
BA	Relative percent difference out of control.
BA,AY	BA = Relative percent difference out of control. AY = Matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
BZ	Sample preserved improperly.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
DU	Insufficient sample quantity for matrix spike/dup matrix spike.
ET	Sample was extracted past end of recommended max. holding time.
ET	Sample was extracted past end of recommended maximum holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GR	Internal standard recovery is outside method recovery limit.
IB	CCV recovery abovelimit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG,AY	LG= Surrogate recovery below the acceptance limit. AY= Matrix interference suspected.
LH,AY	LH= Surrogate recovery above the acceptance limit. AY= Matrix interference suspected.
LM,AY	LM= MS and/or MSD above acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LN,AY	LN= MS and/or MSD below acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
LW	Quantitation of unknown hydrocarbon(s) in sample based on gasoline.
LX	Quantitation of unknown hydrocarbon(s) in sample based on diesel.
MB	Analyte present in the method blank.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.
SG	A silica gel cleanup procedure was performed.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

0740

BP/ARC Project Name: BP 601 | Req Due Date (mm/dd/yy): 5 day | Rush TAT: Yes ___ No X

BP/ARC Facility No: 601 | Lab Work Order Number:

Lab Name:	Calscience	BP/ARC Facility Address:	712 Lewelling Blvd.	Consultant/Contractor:	Broadbent & Associates, Inc.
Lab Address:	7440 Lincoln Way	City, State, ZIP Code:	San Leandro, CA	Consultant/Contractor Project No:	06-88-605
Lab PM:	Richard Villafania	Lead Regulatory Agency:	ACEH	Address:	875 Cotting Ln., Suite G Vacaville, CA 95688
Lab Phone:	714-895-5494	California Global ID No.:	T0600100108	Consultant/Contractor PM:	Tom Sparrowe
Lab Shipping Accnt:	9255	Enfos Proposal No:	000S1-0008	Phone:	707-455-7290
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	tsparrowe@broadbentinc.com
Other Info:		Stage: Operate (5)	Activity: Monitoring/MNA (22)	Invoice To:	BP/ARC X Contractor ___
BP/ARC EBM:	Chuck Carmel				
EBM Phone:					
EBM Email:					

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analyses: GRO (8015)	BTEX (8260)	5 Oxys (8260)	EDB (8260)	1,2-DCA (8260)	Ethanol (8260)				
1	SB-1-3.0	3/8/11	1440	X				1	X						X	X	X	X	X	X				
2	SB-1-6.0	3/8/11	1450	X				1	X															
3	SB-1-7.5-8.5 SS	3/9/11	1320	X				1	X															
4	SB-1-GW	3/9/11	1330		X			6				X												
5	SB-2-3.0	3/8/11	1335	X				1	X															
6	SB-2-6.0	3/8/11	1350	X				1	X															
7	SB-2-9.0-10.0	3/9/11	1147	X				1	X															
8	SB-2-GW	3/9/11	1155		X			6				X												

Report Type & QC Level: Standard X; Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Sam Bartley						
Sampler's Company:	BAI		3/9/11	1600			
Shipment Method:	GSO Ship Date: 3/9/11					3/10/11	1030
Shipment Tracking No:	106711875						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

0740

BP/ARC Project Name: BP 601
BP/ARC Facility No: 601
Req Due Date (mm/dd/yy): 5 day
Rush TAT: Yes ___ No X
Lab Work Order Number:

Lab Name: Calscience	BP/ARC Facility Address: 712 Lewelling Blvd.	Consultant/Contractor: Broadbent & Associates, Inc.
Lab Address: 7440 Lincoln Way	City, State, ZIP Code: San Leandro, CA	Consultant/Contractor Project No: 06-88-605
Lab PM: Richard Villafania	Lead Regulatory Agency: ACEH	Address: 875 Cotting Ln., Suite G Vacaville, CA 95688
Lab Phone: 714-895-5494	California Global ID No.: T0600100108	Consultant/Contractor PM: Tom Sparrowe
Lab Shipping Accnt: 9255	Enfos Proposal No: 000S1-0008	Phone: 707-455-7290
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: tsparrowe@broadbentinc.com
Other Info:	Stage: Operate (5) Activity: Monitoring/MNA (22)	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: Chuck Carmel		
EBM Phone:		
EBM Email:		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analyses: GRO (8015)	BTEX (8260)	5 Oxys (8260)	EDB (8260)	1,2-DCA (8260)	Ethanol (8260)				
9	SB-3-3.0	3/8/11	1200	X				1	X						X	X	X	X	X	X				
10	SB-3-6.0	3/8/11	1215	X				1	X															
11	SB-3-9.0-10.0	3/9/11	1045	X				1	X															
12	SB-3-GW	3/9/11	1100		X			6				X												
13	SB-4-3.0	3/8/11	1100	X				1	X															
14	SB-4-6.0	3/8/11	1115	X				1	X															
15	SB-4-9.0-10.0	3/9/11	0940	X				1	X															
16	SB-4 GW	3/9/11	0950		X			6				X												
17	TB-601-110309	3/9/11	1335																					

Report Type & QC Level: Standard X; Full Data Package ___

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

On Hold

Sampler's Name: Sam Barkley	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: BAI		3/9/11	1600			
Shipment Method: GSO Ship Date: 3/9/11					3/10/11	1030
Shipment Tracking No: 106711875						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

DATE 3/9/11

COMPANY BROADBENT AND ASSOCIATES INC

ADDRESS 1324 MANGROVE AVE #212

ADDRESS

STE/ ROOM

CITY CHICO

ZIP CODE 95928

SENDERS NAME JASON DUDA

PHONE NUMBER 530-566-1400

COMPANY

NAME

PHONE NUMBER

ADDRESS

ADDRESS

STE/ ROOM

CITY

ZIP CODE

YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE

ECIAL TRUCTIONS

GSO GOLDEN STATE OVERNIGHT

1-800-322-5555

WWW.GSO.COM

SHIPPING AIR BILL

PACKAGE LABEL

4 PACKAGE INFORMATION

☐ LETTER (MAX 8 OZ)

☒ PACKAGE (WT) _____

☐ DECLARED VALUE $_____

☐ COD AMOUNT $_____ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE ☐ PRIORITY OVERNIGHT BY 10:30 AM ☐ EARLY PRIORITY BY 8:00 AM ☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE _____ SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION _____ TIME _____ DRIVER # _____ ROUTE #

106711875

PEEL OFF HERE

106711875

9 GSO TRACKING NUMBER

0740

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-03-0740

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Broadbent DATE: 03/10/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.6 °C + 0.5 °C (CF) = 3.1 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: JP

CUSTODY SEALS INTACT:

☑ Cooler	☐_____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Initial: JP
☐ Sample	☐_____	☐ No (Not Intact)	☑ Not Present		Initial:

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 110121A **Labeled/Checked by:** JP

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** LDSC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** LDSC

APPENDIX C

FIRST QUARTER 2011GROUNDWATER SAMPLING DATA PACKAGE
(Includes Field Data Sheets, Field Procedures, Non-Hazardous Waste Data Form and Laboratory Analytical Report with Chain-of-Custody Documentation)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

DAILY REPORT
Page 1 of 1

Project: ARCO 601 Project No.: 06-88-605

Field Representative(s): SB & EF Day: Friday Date: 2/18/11

Time Onsite: From: 0830 To: 1444; From: _____ To: _____; From: _____ To: _____

X Signed HASP X Safety Glasses X Hard Hat X Steel Toe Boots X Safety Vest

X UST Emergency System Shut-off Switches Located X Proper Gloves

X Proper Level of Barricading ___ Other PPE (describe) _____

Weather: Cloudy

Equipment In Use: _____

Visitors: _____

TIME:	WORK DESCRIPTION:
0830	on-site filling out paper work and conducting
	safety meeting.
0955	Set up on mw-3 Sample @ 1226
	pH meter broke went to equipco for
	a replacement.
1237	set up on mw-16 Sample @ 1245
1251	Set up on mw-17 Sample @ 1305
1317	Set up on mw-18 Sample @ 1330
1330	Set up on mw-1 Sample @ 1335
1420	Set up on mw-10 Sample @ 1430
1444	left site

Signature: _____

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

FIELD DATA REPORT

DATE: 2/18/11
PERSONNEL: SB & RF
WEATHER: Rain

PROJECT NO.: 06-53-605
COMMENTS: ARCO 661

Equip:	Geosquirt	Tubing	Bailers	DO	wli	Ec/pH

Well ID	Time	MEASURING POINT	DTW (FT)	PRODUCT THICKNESS	pH	Cond. (X100)	Temp. (C/F)	DO (mg/l)	Redox (mV)	Iron (mg/l)	Alk. (mg/l)	WELL HEAD CONDITION: VAULT, BOLTS, CAP, LOCK, ETC
MW-1	1331	TOC	7.34									
MW-2	1253		6.71									
MW-3	0956		5.03									
MW-4	1247		6.89									
MW-5	1254		6.37									
MW-6	1323		7.48									
MW-7	1356		8.51									
MW 8	0950		6.55									
MW 9	1412		6.54									
MW 10	1423		6.33									
MW 11	1327		7.26									
MW 12	1351		7.80									
MW 13	1407		7.29									
MW 14	1401		7.92									
MW 15	1415		5.48									
MW 16	1235		5.60									
MW 17	1256		6.33									
MW 18	1314		7.38									
MW 19	1354		7.51									

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-1
Project Name/Location: ARCO 601 Project #: 04-88-605
Sampler's Name: SDAEF Date: 2/18/11
Purging Equipment:
Sampling Equipment: bailer
Casing Type: PVC
Casing Diameter: 4 inch
Total Well Depth: _____ feet
Depth to Water: - 7.34 feet
Water Column Thickness: = _____ feet
Unit Casing Volume*: x _____ gallon / foot
Casing Water Volume: = _____ gallons
Casing Volume: x 3 each
Estimated Purge Volume: = _____ gallons
Free product measurement (if present): _____

***UNIT CASING VOLUMES**
2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.65 gal/lin ft.
6" = 1.47 gal/lin ft.

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1332	0.50	—	—	596	18.6	6.5	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: — gallons
Depth to Water at Sample Collection: — feet
Sample Collection Time: 1335 Purged Dry? (Y / N)

Comments: NP

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-3
Project Name/Location: ARCO 601 Project #: 06-98-605
Sampler's Name: SB + EF Date: 2/18/11
Purging Equipment: Bailer
Sampling Equipment: bailer
Casing Type: PVC

Casing Diameter:	4	inch	
Total Well Depth:	11.90	feet	
Depth to Water:	- 5.03	feet	
Water Column Thickness:	= 6.87	feet	
Unit Casing Volume*:	x 0.65	gallon / foot	
Casing Water Volume:	= 4.46	gallons	
Casing Volume:	x 3	each	
Estimated Purge Volume:	= 13.4	gallons	

***UNIT CASING VOLUMES**
2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.65 gal/lin ft.
6" = 1.47 gal/lin ft.

Free product measurement (if present): _____

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
6	1004	0.70	—	—	4806	55.9	8	
8.0	1026	X	X	X	323.8	14.5°C	6.52	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: 8.0 gallons
Depth to Water at Sample Collection: _____ feet
Sample Collection Time: 1026 Purged Dry? (Y / (N))

Comments:

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-10

Project Name/Location: ARCO 601 Project #: 06-88-608

Sampler's Name: SBFEF Date: 2/18/11

Purging Equipment: —

Sampling Equipment: bailer

Casing Type: PVC

Casing Diameter: 2 inch

Total Well Depth: ______ feet

Depth to Water: - 6.33 feet

Water Column Thickness: = ______ feet

Unit Casing Volume*: x ______ gallon / foot

Casing Water Volume: = ______ gallons

Casing Volume: x 3 each

Estimated Purge Volume: = ______ gallons

***UNIT CASING VOLUMES**

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.65 gal/lin ft.
6" = 1.47 gal/lin ft.

Free product measurement (if present): ______

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit) C	pH	Observations
0	1425	0.90	—	—	947	17.0	5.6	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: — gallons

Depth to Water at Sample Collection: — feet

Sample Collection Time: 1430

Purged Dry? (Y / N) [N circled]

Comments: NP

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-16
Project Name/Location: ARCO 601 Project #: 06-38-605
Sampler's Name: SB + EP Date: 02/18/11
Purging Equipment:
Sampling Equipment: bailer
Casing Type: PVC
Casing Diameter: 4 inch
Total Well Depth: feet
Depth to Water: - 5.60 feet
Water Column Thickness: = feet
Unit Casing Volume*: x gallon / foot
Casing Water Volume: = gallons
Casing Volume: x 3 each
Estimated Purge Volume: = gallons
Free product measurement (if present):

***UNIT CASING VOLUMES**
2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.65 gal/lin ft.
6" = 1.47 gal/lin ft.

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1240	1.18	—	—	1240	16.78	6.66	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: — gallons
Depth to Water at Sample Collection: — feet
Sample Collection Time: 1245 Purged Dry? (Y / (N))

Comments: NP

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-17
Project Name/Location: ARCO 601 Project #: 06-48-608
Sampler's Name: SB & EF Date: 2/18/11
Purging Equipment: —
Sampling Equipment: bailer
Casing Type: PVC
Casing Diameter: 4 inch
Total Well Depth: _____ feet
Depth to Water: - 6.33 feet
Water Column Thickness: = _____ feet
Unit Casing Volume*: x _____ gallon / foot
Casing Water Volume: = _____ gallons
Casing Volume: x 3 each
Estimated Purge Volume: = _____ gallons
Free product measurement (if present): _____

***UNIT CASING VOLUMES**
2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.65 gal/lin ft.
6" = 1.47 gal/lin ft.

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1300	7.84	—	—	1419	17.4	6.7	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: — gallons
Depth to Water at Sample Collection: — feet
Sample Collection Time: 1305
Purged Dry? (Y / (N))

Comments: NP

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL

Groundwater Sampling Data Sheet

Well I.D.: MW-18
Project Name/Location: ARW 601 Project #: 06-88-605
Sampler's Name: SO & EF Date: 2/18/11
Purging Equipment:
Sampling Equipment: Bailer
Casing Type: PVC

Casing Diameter:		4	inch
Total Well Depth:			feet
Depth to Water:	-	7.38	feet
Water Column Thickness:	=		feet
Unit Casing Volume*:	x		gallon / foot
Casing Water Volume:	=		gallons
Casing Volume:	x	3	each
Estimated Purge Volume:	=		gallons

***UNIT CASING VOLUMES**
2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.65 gal/lin ft.
6" = 1.47 gal/lin ft.

Free product measurement (if present):

Purged (gallons)	Time (24:00)	DO	ORP (mV)	Fe	Conductance (µS)	Temperature (Fahrenheit)	pH	Observations
0	1318	2.90	—	—	1337	10.2	6.9	
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				
		X	X	X				

Total Water Volume Purged: — gallons
Depth to Water at Sample Collection: — feet
Sample Collection Time: 1320 Purged Dry? (Y / N)

Comments: NP

BROADBENT & ASSOCIATES INC. FIELD PROCEDURES

A.1 QUALITY ASSURANCE/QUALITY CONTROL FIELD PROTOCOLS

Field protocols have been implemented to enhance the accuracy and reliability of data collection, ground-water sample collection, transportation and laboratory analysis. Discussion of these protocols is provided below.

A.1.1 Water Level & Free-Product Measurement

Prior to ground-water sample collection from each monitoring well, the presence of separate-phase hydrocarbons (SPH or free product, FP) and depth to ground water shall be measured. Depth to ground water will be measured with a standard water level indicator that has been decontaminated prior to its use in accordance with procedures discussed below. Depth to groundwater will be gauged from a saw cut notch at the top of the well casing on each well head. Where FP is suspected, the initial gauging will be done with an oil-water interface probe. Once depth to water has been measured, the first retrieval of a new disposable bailer will be scrutinized for the presence of SPH/FP.

A.1.2 Monitoring Well Purging

Subsequent to measuring depth to ground water and prior to the collection of ground-water samples, purging of standing water within the monitoring will be performed if called for. Consistent with the American Society for Testing and Materials (ASTM) Standard D6452-99, Section 7.1, the well will be purged of approximately three wetted-casing volumes of water, or until the well is dewatered, or until monitored field parameters indicate stabilization. The well will be purged using a pre-cleaned disposable bailer or submersible pump and disposable plastic tubing dedicated to each individual well. The well will be purged at a low flow rate to minimize the possibility of purging the well dry. So that the sample collected is representative of formation water, several field parameters will be monitored during the purging process. The sample will not be collected until these parameters (i.e. temperature, pH, and conductivity) have stabilized to within 10% of the previously measured value. If a well is purged dry, the sample should not be collected until the well has recovered to a minimum 50% of its initial volume.

A.1.3 Ground-Water Sample Collection

Once the wells are satisfactorily purged, water samples will be collected from each well. Water samples for organic analyses will be collected using a pre-cleaned, new, disposable bailer and transferred into the appropriate, new, laboratory-prepared containers such that no head space or air bubbles are present in the sample container (if appropriate to the analysis). The samples will be properly labeled (i.e. sample identification, sampler initials, date/time of collection, site location, requested analyses), placed in an ice chest with bagged ice or ice substitute, and delivered to the contracted analytical laboratory.

A.1.4 Surface Water Sample Collection

Unless specified otherwise, surface water samples will be collected from mid-depth in the central area of the associated surface water body. Water samples will be collected into appropriate, new, laboratory-prepared containers by dipping the container into the surface water unless the container has a preservative present. If a sample preservative is present, a new, cleaned non-preserved surrogate container will be used to obtain the sample which will then be directly transferred into a new, laboratory-provided, preserved container. Samples will be properly labeled and transported as described above.

A.1.5 Decontamination Protocol

Prior to use in each well, re-usable ground-water sampling equipment (e.g., water level indicator, oil-interface probe, purge pump, etc.) will be decontaminated. Decontamination protocol will include thoroughly cleaning with a solution of Liquinox, rinsing with clean water, and final rinsing with control water (potable water of known quality, distilled, or de-ionized water). Pre-cleaned new disposable bailers and disposable plastic tubing will be dedicated to each individual well.

A.1.6 Chain of Custody Procedures

Sample identification documents will be carefully prepared so identification and chain of custody can be maintained and sample disposition can be controlled. The sample identification documents include Chain-of-Custody (COC) records and Daily Field Report forms. Chain of custody procedures are outlined below.

Field Custody Procedures

The field sampler is individually responsible for the care and custody of the samples collected until they are properly transferred.

Samples will have unique labels. The information on these labels will correspond to the COC which shows the identification of individual samples and the contents of the shipping container. The original COC will accompany the shipment and a copy will be retained by the field sampler.

Transfer of Custody and Shipment

A COC will accompany samples during transfer and shipment. When transferring samples, the individual relinquishing and the individual receiving the samples will each sign, date, and note the time on the COC. This documents the sample custody transfer.

Samples will be packaged properly for shipment and dispatched to the appropriate laboratory for analysis, with a separate COC accompanying each shipment. Shipments will be accompanied by the original COC. Samples will be delivered by BAI personnel to the laboratory, or shipped by responsible courier. When a shipping courier is utilized, the sample shipment number will be identified on the COC.

A.1.7 Field Records

In addition to sample identification numbers and COC records, Daily Field Report records will be maintained by field staff to provide daily records of significant events, observations, and measurements during field investigations. These documents will contain observed information such as: the personnel present, site conditions, sampling procedures, measurement procedures, calibration records, equipment used, supplies used, etc. Field measurements will be recorded on the appropriate forms. Entries on the data forms will be signed and dated. The data forms will be kept as permanent file records.

NO. 857383

NON-HAZARDOUS WASTE DATA FORM

1. BESI #

GENERATOR

2. Generator's Name and Mailing Address

BP WEST COAST PRODUCTS, LLC
P.O. BOX 80249
RANCHO SANTA MARGARITA, CA 92688

Generator's Site Address (if different than mailing address)

BP 601
712 Lewelling Blvd
San Leandro, CA

Generator's Phone: (949) 460-5200

24-HOUR EMERGENCY PHONE: (949) 699-3706

3. Transporter 1 Company Name: Broadbent & Associates, Inc. — Phone #: (530) 566-1400

4. Transporter 2 Company Name: Gomes Excavating — Phone #: (707) 374-2881

5. Designated Facility Name and Site Address

INTRAT, INC.
1105 AIRPORT RD #C
RIO VISTA, CA 94571

Phone #: (530) 753-1829

6. Waste Shipping Name and Description	7. Containers No.	7. Containers Type	8. Total Quantity	9. Unit Wt/Vol	10. Profile No.
A. NON-HAZARDOUS WATER	1	TT	8	G	
B.					
C.					
D.					

11. Special Handling Instructions and Additional Information

WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

WELL PURGING / DECON WATER

12. GENERATOR'S CERTIFICATION: I certify the materials described above on this data form are non-hazardous.

Generator's/Offeror's Printed/Typed Name: BAI — Signature — Month: 2 — Day: 23 — Year: 11

TRANSPORTER

13. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: BAI — Signature — Month: 2 — Day: 23 — Year: 11

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

FACILITY

14. Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

Printed/Typed Name — Signature — Month — Day — Year

GENERATOR (ORIGINAL)

Calscience
Environmental
Laboratories, Inc.

March 07, 2011

Tom Sparrowe
Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Subject: **Calscience Work Order No.: 11-02-1453**
Client Reference: BP 601

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/22/2011 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Richard Villafania
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 02/22/11
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**11-02-1453-1-E**	**02/18/11 13:35**	**Aqueous**	**GC 22**	**02/24/11**	**02/25/11 04:45**	**110224B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	7900	1000	20		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**11-02-1453-2-D**	**02/18/11 12:26**	**Aqueous**	**GC 22**	**02/24/11**	**02/25/11 05:18**	**110224B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	29000	1000	20		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	86	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**11-02-1453-3-D**	**02/18/11 14:30**	**Aqueous**	**GC 22**	**02/24/11**	**02/24/11 17:45**	**110224B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	76	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16	**11-02-1453-4-D**	**02/18/11 12:45**	**Aqueous**	**GC 22**	**02/24/11**	**02/25/11 04:12**	**110224B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	1100	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received: 02/22/11
875 Cotting Lane, Suite G	Work Order No: 11-02-1453
Vacaville, CA 95688-9299	Preparation: EPA 5030C
	Method: EPA 8015B (M)

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-17	**11-02-1453-5-D**	**02/18/11 13:05**	**Aqueous**	**GC 22**	**02/24/11**	**02/25/11 05:51**	**110224B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	9400	1200	25		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	81	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-18	**11-02-1453-6-D**	**02/18/11 13:20**	**Aqueous**	**GC 22**	**02/24/11**	**02/24/11 23:48**	**110224B01**

Comment(s): -LW = Quantitated against gasoline.

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	360	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-695-1,017**	**N/A**	**Aqueous**	**GC 22**	**02/24/11**	**02/24/11 13:21**	**110224B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	79	38-134	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	02/22/11
875 Cotting Lane, Suite G	Work Order No:	11-02-1453
Vacaville, CA 95688-9299	Preparation:	EPA 3510C
	Method:	EPA 8270C
	Units:	ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**11-02-1453-1-G**	**02/18/11 13:35**	**Aqueous**	**GC/MS P**	**02/24/11**	**02/28/11 16:14**	**110224L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Benzidine	ND	50	1		2,4-Dinitrotoluene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Fluoranthene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Fluorene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzoic Acid	ND	50	1		Hexachloroethane	ND	10	1	
Benzyl Alcohol	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2-Methylnaphthalene	230	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		1-Methylnaphthalene	150	10	1	
Bis(2-Ethylhexyl) Phthalate	31	10	1		2-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		3/4-Methylphenol	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloroaniline	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
2-Chloronaphthalene	ND	10	1		Naphthalene	200	10	1	
2-Chlorophenol	ND	10	1		4-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		3-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		2-Nitroaniline	ND	10	1	
Di-n-Butyl Phthalate	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Octyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenzofuran	ND	10	1		Pentachlorophenol	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenanthrene	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	63	50-110		2-Fluorophenol	61	20-110	
Nitrobenzene-d5	88	40-110		p-Terphenyl-d14	91	50-135	
Phenol-d6	48	10-115		2,4,6-Tribromophenol	90	40-125	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	02/22/11
875 Cotting Lane, Suite G	Work Order No:	11-02-1453
Vacaville, CA 95688-9299	Preparation:	EPA 3510C
	Method:	EPA 8270C
	Units:	ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-671-16**	**N/A**	**Aqueous**	**GC/MS P**	**02/24/11**	**02/28/11 13:07**	**110224L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acenaphthene	ND	10	1		2,4-Dimethylphenol	ND	10	1	
Acenaphthylene	ND	10	1		4,6-Dinitro-2-Methylphenol	ND	50	1	
Anthracene	ND	10	1		2,4-Dinitrophenol	ND	50	1	
Benzidine	ND	50	1		2,4-Dinitrotoluene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		2,6-Dinitrotoluene	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Fluoranthene	ND	10	1	
Benzo (b) Fluoranthene	ND	10	1		Fluorene	ND	10	1	
Benzo (g,h,i) Perylene	ND	10	1		Hexachloro-1,3-Butadiene	ND	10	1	
Benzo (k) Fluoranthene	ND	10	1		Hexachlorobenzene	ND	10	1	
Benzoic Acid	ND	50	1		Hexachloroethane	ND	10	1	
Benzyl Alcohol	ND	10	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Bis(2-Chloroethoxy) Methane	ND	10	1		Isophorone	ND	10	1	
Bis(2-Chloroethyl) Ether	ND	25	1		2-Methylnaphthalene	ND	10	1	
Bis(2-Chloroisopropyl) Ether	ND	10	1		1-Methylnaphthalene	ND	10	1	
Bis(2-Ethylhexyl) Phthalate	ND	10	1		2-Methylphenol	ND	10	1	
4-Bromophenyl-Phenyl Ether	ND	10	1		3/4-Methylphenol	ND	10	1	
Butyl Benzyl Phthalate	ND	10	1		N-Nitroso-di-n-propylamine	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		N-Nitrosodimethylamine	ND	10	1	
4-Chloroaniline	ND	10	1		N-Nitrosodiphenylamine	ND	10	1	
2-Chloronaphthalene	ND	10	1		Naphthalene	ND	10	1	
2-Chlorophenol	ND	10	1		4-Nitroaniline	ND	10	1	
4-Chlorophenyl-Phenyl Ether	ND	10	1		3-Nitroaniline	ND	10	1	
Chrysene	ND	10	1		2-Nitroaniline	ND	10	1	
Di-n-Butyl Phthalate	ND	10	1		Nitrobenzene	ND	25	1	
Di-n-Octyl Phthalate	ND	10	1		4-Nitrophenol	ND	10	1	
Dibenz (a,h) Anthracene	ND	10	1		2-Nitrophenol	ND	10	1	
Dibenzofuran	ND	10	1		Pentachlorophenol	ND	10	1	
1,2-Dichlorobenzene	ND	10	1		Phenanthrene	ND	10	1	
1,3-Dichlorobenzene	ND	10	1		Phenol	ND	10	1	
1,4-Dichlorobenzene	ND	10	1		Pyrene	ND	10	1	
3,3'-Dichlorobenzidine	ND	25	1		1,2,4-Trichlorobenzene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		2,4,6-Trichlorophenol	ND	10	1	
Diethyl Phthalate	ND	10	1		2,4,5-Trichlorophenol	ND	10	1	
Dimethyl Phthalate	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2-Fluorobiphenyl	82	50-110		2-Fluorophenol	75	20-110	
Nitrobenzene-d5	107	40-110		p-Terphenyl-d14	113	50-135	
Phenol-d6	58	10-115		2,4,6-Tribromophenol	107	40-125	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	02/22/11
875 Cotting Lane, Suite G	Work Order No:	11-02-1453
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**11-02-1453-1-B**	**02/18/11 13:35**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 19:21**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	11	2.0	4		Methyl-t-Butyl Ether (MTBE)	ND	2.0	4	
1,2-Dibromoethane	ND	2.0	4		Tert-Butyl Alcohol (TBA)	ND	40	4	
1,2-Dichloroethane	ND	2.0	4		Diisopropyl Ether (DIPE)	ND	2.0	4	
Ethylbenzene	83	2.0	4		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	4	
Toluene	ND	2.0	4		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	4	
Xylenes (total)	2.8	2.0	4		Ethanol	ND	1200	4	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	98	80-128			Dibromofluoromethane	96	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	100	68-120		

MW-3	**11-02-1453-2-B**	**02/18/11 12:26**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 19:49**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	25	50		Methyl-t-Butyl Ether (MTBE)	ND	25	50	
1,2-Dibromoethane	ND	25	50		Tert-Butyl Alcohol (TBA)	ND	500	50	
1,2-Dichloroethane	ND	25	50		Diisopropyl Ether (DIPE)	ND	25	50	
Ethylbenzene	1000	25	50		Ethyl-t-Butyl Ether (ETBE)	ND	25	50	
Toluene	ND	25	50		Tert-Amyl-Methyl Ether (TAME)	ND	25	50	
Xylenes (total)	2800	25	50		Ethanol	ND	15000	50	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	89	80-128			Dibromofluoromethane	92	80-127		
Toluene-d8	93	80-120			1,4-Bromofluorobenzene	97	68-120		

MW-10	**11-02-1453-3-B**	**02/18/11 14:30**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 20:18**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.7	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	93	80-128			Dibromofluoromethane	92	80-127		
Toluene-d8	91	80-120			1,4-Bromofluorobenzene	89	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc	Date Received:	02/22/11
875 Cotting Lane, Suite G	Work Order No:	11-02-1453
Vacaville, CA 95688-9299	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-16	**11-02-1453-4-B**	**02/18/11 12:45**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 20:46**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6.1	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	8.7	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	2.2	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	23	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	93	80-128			Dibromofluoromethane	93	80-127		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	95	68-120		

MW-17	**11-02-1453-5-B**	**02/18/11 13:05**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 21:15**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	58	10	20		Methyl-t-Butyl Ether (MTBE)	ND	10	20	
1,2-Dibromoethane	ND	10	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
1,2-Dichloroethane	ND	10	20		Diisopropyl Ether (DIPE)	ND	10	20	
Ethylbenzene	480	10	20		Ethyl-t-Butyl Ether (ETBE)	ND	10	20	
Toluene	ND	10	20		Tert-Amyl-Methyl Ether (TAME)	ND	10	20	
Xylenes (total)	930	10	20		Ethanol	ND	6000	20	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	94	80-128			Dibromofluoromethane	93	80-127		
Toluene-d8	81	80-120			1,4-Bromofluorobenzene	95	68-120		

MW-18	**11-02-1453-6-B**	**02/18/11 13:20**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 21:43**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	3.8	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	3.2	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
1,2-Dichloroethane-d4	95	80-128			Dibromofluoromethane	95	80-127		
Toluene-d8	98	80-120			1,4-Bromofluorobenzene	94	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 02/22/11
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: BP 601

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-703-1,616**	**N/A**	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11 15:04**	**110223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	91	80-128			Dibromofluoromethane	92	80-127		
Toluene-d8	92	80-120			1,4-Bromofluorobenzene	88	68-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-703-1,620**	**N/A**	**Aqueous**	**GC/MS BB**	**02/24/11**	**02/24/11 14:14**	**110224L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	104	80-128			Dibromofluoromethane	99	80-127		
Toluene-d8	90	80-120			1,4-Bromofluorobenzene	83	68-120		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 02/22/11
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-02-1455-3	**Aqueous**	**GC 22**	**02/24/11**	**02/24/11**	**110224S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	98	101	38-134	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 02/22/11
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8260B

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-02-1455-2	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11**	**110223S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	103	76-124	0	0-20	
Carbon Tetrachloride	90	92	74-134	2	0-20	
Chlorobenzene	99	97	80-120	2	0-20	
1,2-Dibromoethane	99	104	80-120	5	0-20	
1,2-Dichlorobenzene	101	103	80-120	2	0-20	
1,2-Dichloroethane	95	98	80-120	3	0-20	
Ethylbenzene	105	102	78-126	3	0-20	
Toluene	98	98	80-120	0	0-20	
Trichloroethene	112	111	77-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	103	109	67-121	6	0-49	
Tert-Butyl Alcohol (TBA)	100	104	36-162	4	0-30	
Diisopropyl Ether (DIPE)	105	107	60-138	2	0-45	
Ethyl-t-Butyl Ether (ETBE)	103	106	69-123	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	105	65-120	8	0-20	
Ethanol	102	109	30-180	7	0-72	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: 02/22/11
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8260B

Project BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
11-02-1607-7	**Aqueous**	**GC/MS BB**	**02/24/11**	**02/24/11**	**110224S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	85	98	76-124	14	0-20	
Carbon Tetrachloride	87	89	74-134	3	0-20	
Chlorobenzene	105	104	80-120	1	0-20	
1,2-Dibromoethane	103	105	80-120	2	0-20	
1,2-Dichlorobenzene	109	107	80-120	1	0-20	
1,2-Dichloroethane	85	98	80-120	14	0-20	
Ethylbenzene	110	110	78-126	0	0-20	
Toluene	83	94	80-120	13	0-20	
Trichloroethene	94	106	77-120	12	0-20	
Methyl-t-Butyl Ether (MTBE)	90	93	67-121	4	0-49	
Tert-Butyl Alcohol (TBA)	98	111	36-162	13	0-30	
Diisopropyl Ether (DIPE)	94	94	60-138	0	0-45	
Ethyl-t-Butyl Ether (ETBE)	92	92	69-123	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	81	94	65-120	15	0-20	
Ethanol	104	112	30-180	8	0-72	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-1,017	**Aqueous**	**GC 22**	**02/24/11**	**02/24/11**	**110224B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	95	99	78-120	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-02-1453
Preparation: EPA 3510C
Method: EPA 8270C

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-671-16	**Aqueous**	**GC/MS P**	**02/24/11**	**02/28/11**	**110224L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Acenaphthene	88	89	45-110	34-121	1	0-11	
Acenaphthylene	85	86	50-105	41-114	1	0-20	
Anthracene	80	80	55-110	46-119	0	0-20	
Benzidine	26	27	50-130	37-143	2	0-20	LR
Benzo (a) Anthracene	90	89	55-110	46-119	1	0-20	
Benzo (a) Pyrene	106	107	55-110	46-119	0	0-20	
Benzo (b) Fluoranthene	95	96	45-120	32-132	1	0-20	
Benzo (g,h,i) Perylene	121	123	40-125	26-139	2	0-20	
Benzo (k) Fluoranthene	101	100	45-125	32-138	1	0-20	
Benzoic Acid	81	82	50-130	37-143	1	0-20	
Benzyl Alcohol	93	93	30-110	17-123	0	0-20	
Bis(2-Chloroethoxy) Methane	90	89	45-105	35-115	0	0-20	
Bis(2-Chloroethyl) Ether	87	85	35-110	22-122	3	0-20	
Bis(2-Chloroisopropyl) Ether	73	71	25-130	8-148	2	0-20	
Bis(2-Ethylhexyl) Phthalate	84	84	40-125	26-139	0	0-20	
4-Bromophenyl-Phenyl Ether	90	90	50-115	39-126	1	0-20	
Butyl Benzyl Phthalate	92	91	45-115	33-127	1	0-20	
4-Chloro-3-Methylphenol	95	95	45-110	34-121	0	0-40	
4-Chloroaniline	58	59	15-110	0-126	1	0-20	
2-Chloronaphthalene	86	86	50-105	41-114	0	0-20	
2-Chlorophenol	88	87	35-105	23-117	1	0-18	
4-Chlorophenyl-Phenyl Ether	87	86	50-110	40-120	1	0-20	
Chrysene	91	91	55-110	46-119	1	0-20	
Di-n-Butyl Phthalate	81	80	55-115	45-125	1	0-20	
Di-n-Octyl Phthalate	86	86	35-135	18-152	1	0-20	
Dibenz (a,h) Anthracene	113	116	40-125	26-139	2	0-20	
Dibenzofuran	84	85	55-105	47-113	0	0-20	
1,2-Dichlorobenzene	79	78	35-100	24-111	0	0-20	
1,3-Dichlorobenzene	78	78	30-100	18-112	0	0-20	
1,4-Dichlorobenzene	80	80	30-100	18-112	0	0-26	
3,3'-Dichlorobenzidine	91	92	20-110	5-125	2	0-20	
2,4-Dichlorophenol	90	90	50-105	41-114	0	0-20	
Diethyl Phthalate	83	83	40-120	27-133	0	0-20	
Dimethyl Phthalate	85	85	25-125	8-142	0	0-20	
2,4-Dimethylphenol	87	87	30-110	17-123	0	0-20	
4,6-Dinitro-2-Methylphenol	117	119	40-130	25-145	1	0-20	
2,4-Dinitrophenol	118	120	15-140	0-161	1	0-20	
2,4-Dinitrotoluene	84	86	50-120	38-132	2	0-36	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-02-1453
Preparation: EPA 3510C
Method: EPA 8270C

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-671-16	**Aqueous**	**GC/MS P**	**02/24/11**	**02/28/11**	**110224L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
2,6-Dinitrotoluene	89	89	50-115	39-126	1	0-20	
Fluoranthene	76	77	55-115	45-125	1	0-20	
Fluorene	89	89	50-110	40-120	0	0-20	
Hexachloro-1,3-Butadiene	83	83	25-105	12-118	1	0-20	
Hexachlorobenzene	96	95	50-110	40-120	1	0-20	
Hexachloroethane	80	79	30-95	19-106	1	0-20	
Indeno (1,2,3-c,d) Pyrene	96	98	45-125	32-138	2	0-20	
Isophorone	83	83	50-110	40-120	1	0-20	
2-Methylnaphthalene	87	86	45-105	35-115	1	0-20	
1-Methylnaphthalene	85	85	80-120	73-127	0	0-20	
2-Methylphenol	83	83	40-110	28-122	1	0-20	
3/4-Methylphenol	73	72	30-110	17-123	1	0-20	
N-Nitroso-di-n-propylamine	90	87	35-130	19-146	3	0-13	
N-Nitrosodimethylamine	76	75	25-110	11-124	1	0-20	
N-Nitrosodiphenylamine	115	114	50-110	40-120	1	0-20	LQ,ME
Naphthalene	86	85	40-100	30-110	1	0-20	
4-Nitroaniline	101	101	35-120	21-134	1	0-20	
3-Nitroaniline	95	94	20-125	2-142	0	0-20	
2-Nitroaniline	101	102	50-115	39-126	1	0-20	
Nitrobenzene	93	93	45-110	34-121	1	0-20	
4-Nitrophenol	92	93	20-150	0-172	1	0-40	
2-Nitrophenol	96	95	40-115	28-128	2	0-20	
Pentachlorophenol	95	94	40-115	28-128	1	0-40	
Phenanthrene	88	88	50-115	39-126	0	0-20	
Phenol	68	68	10-115	0-132	1	0-23	
Pyrene	101	99	50-130	37-143	2	0-20	
1,2,4-Trichlorobenzene	85	85	35-105	23-117	0	0-21	
2,4,6-Trichlorophenol	92	92	50-115	39-126	0	0-20	
2,4,5-Trichlorophenol	93	92	50-110	40-120	1	0-20	

Total number of LCS compounds : 67
Total number of ME compounds : 1
Total number of ME compounds allowed : 3
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-1,616	**Aqueous**	**GC/MS BB**	**02/23/11**	**02/23/11**	**110223L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	103	99	80-120	73-127	5	0-20	
Carbon Tetrachloride	86	85	74-134	64-144	1	0-20	
Chlorobenzene	99	96	80-120	73-127	3	0-20	
1,2-Dibromoethane	97	96	79-121	72-128	2	0-20	
1,2-Dichlorobenzene	102	99	80-120	73-127	3	0-20	
1,2-Dichloroethane	84	82	80-120	73-127	2	0-20	
Ethylbenzene	104	102	80-120	73-127	2	0-20	
Toluene	95	93	80-120	73-127	2	0-20	
Trichloroethene	109	108	79-127	71-135	1	0-20	
Methyl-t-Butyl Ether (MTBE)	101	98	69-123	60-132	3	0-20	
Tert-Butyl Alcohol (TBA)	108	106	63-123	53-133	2	0-20	
Diisopropyl Ether (DIPE)	105	100	59-137	46-150	6	0-37	
Ethyl-t-Butyl Ether (ETBE)	103	99	69-123	60-132	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	96	96	70-120	62-128	1	0-20	
Ethanol	109	110	28-160	6-182	1	0-57	

Total number of LCS compounds : 15
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Broadbent & Associates, Inc
875 Cotting Lane, Suite G
Vacaville, CA 95688-9299

Date Received: N/A
Work Order No: 11-02-1453
Preparation: EPA 5030C
Method: EPA 8260B

Project: BP 601

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-1,620	**Aqueous**	**GC/MS BB**	**02/24/11**	**02/24/11**	**110224L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	87	85	80-120	73-127	2	0-20	
Carbon Tetrachloride	89	91	74-134	64-144	3	0-20	
Chlorobenzene	108	105	80-120	73-127	2	0-20	
1,2-Dibromoethane	105	108	79-121	72-128	3	0-20	
1,2-Dichlorobenzene	108	109	80-120	73-127	1	0-20	
1,2-Dichloroethane	84	83	80-120	73-127	0	0-20	
Ethylbenzene	114	111	80-120	73-127	3	0-20	
Toluene	84	83	80-120	73-127	1	0-20	
Trichloroethene	97	95	79-127	71-135	2	0-20	
Methyl-t-Butyl Ether (MTBE)	88	94	69-123	60-132	7	0-20	
Tert-Butyl Alcohol (TBA)	117	118	63-123	53-133	1	0-20	
Diisopropyl Ether (DIPE)	94	96	59-137	46-150	1	0-37	
Ethyl-t-Butyl Ether (ETBE)	88	92	69-123	60-132	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	78	80	70-120	62-128	3	0-20	
Ethanol	122	120	28-160	6-182	2	0-57	

Total number of LCS compounds : 15
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 11-02-1453

Qualifier	Definition
AX	Sample too dilute to quantify surrogate.
BA	Relative percent difference out of control.
BA,AY	BA = Relative percent difference out of control. AY = Matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
BZ	Sample preserved improperly.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
DU	Insufficient sample quantity for matrix spike/dup matrix spike.
ET	Sample was extracted past end of recommended max. holding time.
ET	Sample was extracted past end of recommended maximum holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GR	Internal standard recovery is outside method recovery limit.
IB	CCV recovery abovelimit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG,AY	LG= Surrogate recovery below the acceptance limit. AY= Matrix interference suspected.
LH,AY	LH= Surrogate recovery above the acceptance limit. AY= Matrix interference suspected.
LM,AY	LM= MS and/or MSD above acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LN,AY	LN= MS and/or MSD below acceptance limits. See Blank Spike (LCS). AY= Matrix interference suspected.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
LW	Quantitation of unknown hydrocarbon(s) in sample based on gasoline.
LX	Quantitation of unknown hydrocarbon(s) in sample based on diesel.
MB	Analyte present in the method blank.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.
SG	A silica gel cleanup procedure was performed.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

1453

Page 1 of 1

BP/ARC Project Name: BP 601
Req Due Date (mm/dd/yy):
Rush TAT: Yes ___ No X

BP/ARC Facility No: 601
Lab Work Order Number:

Lab Name:	Calscience	BP/ARC Facility Address:	712 Lewelling Blvd.	Consultant/Contractor:	Broadbent & Associates, Inc.
Lab Address:	7440 Lincoln Way	City, State, ZIP Code:	San Leandro, CA	Consultant/Contractor Project No:	06-88-605-5-822
Lab PM:	Richard Villafania	Lead Regulatory Agency:	ACEH	Address:	875 Cotting Lane Ste. G, Vacaville, CA 95688
Lab Phone:	714-895-5494	California Global ID No.:	T0600100108	Consultant/Contractor PM:	Tom Sparrowe
Lab Shipping Accnt:	9255	Enfos Proposal No:	000S1-0008	Phone:	707-455-7290
Lab Bottle Order No:		Accounting Mode:	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	tsparrowe@broadbentinc.com
Other Info:		Stage: Operate (5)	Activity: Monitoring/MNA (22)	Invoice To:	BP/ARC X Contractor ___
BP/ARC EBM:	Chuck Carmel				
EBM Phone:					
EBM Email:					

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	$Na_2S_2O_3$	GRO (8015)	BTEX (8260)	5 Oxys (8260)	EDB (8260)	1,2-DCA (8260)	Ethanol (8260)	SVOCs (8270)	Nitrate & Sulfate (300)	Ferrous Iron (200.7)	Dissolved Sulfide (376.2)
1	MW-1	2/18/11	1335		X						X		X	X	X	X	X	X	X				
2	MW-3	"	1220		X						X												
3	MW-10	"	1430		X						X												
4	MW-16	"	1245		X						X												
5	MW-17	"	1305		X						X												
6	MW-18	"	1320		X						X												
7	TB-0001-110218	2/18/11	1435																				

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Report Type & QC Level: Standard X; Full Data Package ___

Comments: hold

Sampler's Name:	Sam Barlow
Sampler's Company:	BAT
Shipment Method:	GSO
Ship Date:	2/18/11
Shipment Tracking No:	106840247

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
	2/21/11	1000		2/22/11	10:30

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

1453

E 7/21/11 [redacted]
PANY BAI
ESS 875 Cutting Ln
ESS STE/ROOM G
Vacaville ZIP CODE 95688
RS S. Bailey PHONE NUMBER 530-588-2770

NY
SCIENCE PHONE NUMBER 714) 895-5494
SS LINCOLN WAY
SS STE/ROOM
DEN GROVE ZIP CODE 92841
RNAL BILLING
E WILL APPEAR
VOICE

GSO
GOLDEN STATE OVERNIGHT
1-800-322-5555
WWW.GSO.COM

SHIPPING AIR BILL

PACKAGE LABEL

4 PACKAGE INFORMATION
- ☐ LETTER (MAX 8 OZ)
- ☒ PACKAGE (WT) ______
- ☐ DECLARED VALUE $______
- ☐ COD AMOUNT $______ (CASH NOT ACCEPTED)

5 DELIVERY SERVICE
- ☒ PRIORITY OVERNIGHT BY 10:30 AM
- ☐ EARLY PRIORITY BY 8:00 AM
- ☐ SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE ______
SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

8 PICK UP INFORMATION ______ TIME ______ DRIVER # ______ ROUTE #

106840247 PEEL OFF HERE

106840247

9 GSO TRACKING NUMBER

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 11-02-1 4 5 3

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BAI

DATE: 02/22/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 0.9 °C + 0.5 °C (CF) = 1.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: PS

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: LN

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑PS 2/22/11	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑6 VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☑2 1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:** 110103B **Labeled/Checked by:** LN

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** PS

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** _____

APPENDIX D

JOINT MONITORING DATA -
FORMER SHELL STATION #129460

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-1	7/8/1985	520	---	---	---	---	---	---	21.55	---	---	---	---
S-1	9/6/1988	<50	<0.5	<1	<1	<0.3	---	---	21.55	---	---	---	---
S-1	11/16/1988	<50	<0.5	<1	<1	<0.3	---	---	21.55	8.01	13.54	---	---
S-1	2/27/1989	<50	0.5	<1	<1	<0.3	---	---	21.55	---	---	---	---
S-1	5/4/1989	<50	1.0	<1	<1	<0.3	---	---	21.55	---	---	---	---
S-1	8/10/1989	<50	0.7	<1	<1	<0.3	---	---	21.55	7.93	13.62	---	---
S-1	10/10/1989	<50	<0.5	<1	<1	<0.3	---	---	21.55	8.09	13.46	---	---
S-1	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.55	7.73	13.82	---	---
S-1	4/18/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.55	7.91	13.64	---	---
S-1	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.55	7.72	13.83	---	---
S-1	10/18/1990	80	5	<0.5	<0.5	3.0	---	---	21.55	8.55	13.00	---	---
S-1	1/28/1991	<50	4.5	<0.5	<0.5	2.0	---	---	21.55	8.52	13.03	---	---
S-1	4/25/1991	80a	3.7	<0.5	0.7	2.0	---	---	21.55	7.18	14.37	---	---
S-1	7/9/1991	200	16	<0.5	1.3	5.8	---	---	21.55	8.22	13.33	---	---
S-1	10/8/1991	<50	2.3	<0.5	<0.5	<0.5	---	---	21.55	8.70	12.85	---	---
S-1	2/5/1992	160	8.9	<0.5	2.1	6.0	---	---	21.55	8.14	13.41	---	---
S-1	4/28/1992	<50	2.4	<0.5	<0.5	0.9	---	---	21.55	7.52	14.03	---	---
S-1	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.55	8.28	13.27	---	---
S-1	10/26/1992	57	3.0	1.6	1.4	1.7	---	---	21.55	8.74	12.81	---	---
S-1	1/14/1993	490	53	1.2	20	33	---	---	21.55	5.91	15.64	---	---
S-1	4/16/1993	240	20	<0.5	15	240	---	---	21.55	6.66	14.89	---	---
S-1	7/23/1993	<50	0.5	<0.5	<0.5	<0.5	---	---	21.55	7.53	14.02	---	---
S-1	10/27/1993	60	5.9	<0.5	2.5	1.7	---	---	21.55	8.20	13.35	---	---
S-1	1/27/1994	<50	2.1	<0.5	<0.5	0.63	---	---	21.55	7.26	14.29	---	---
S-1	5/5/1994	57	3.9	<0.5	1.9	1.9	---	---	21.27	7.38	13.89	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-1	7/26/1994	<50	2.2	<0.3	<0.3	<0.6	---	---	21.27	7.86	13.41	---	---
S-1	10/28/1994	<50	0.8	<0.3	<0.3	0.8	---	---	21.27	7.86	13.41	---	---
S-1	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.27	6.85	14.42	---	---
S-1	4/14/1995	---	---	---	---	---	---	---	21.27	6.08	15.19	---	---
S-1	7/28/1995	60	2.2	<0.5	1.3	1.2	---	---	21.27	6.79	14.48	---	---
S-1	10/17/1995	60	2.6	<0.5	1.2	1.3	---	---	21.27	7.04	14.23	---	---
S-1	1/11/1996	<50	2.0	<0.5	<0.5	<0.5	<2	---	21.27	6.40	14.87	---	---
S-1	4/2/1996	---	---	---	---	---	---	---	21.27	5.84	15.43	---	---
S-1	7/9/1996	---	---	---	---	---	---	---	21.27	6.50	14.77	---	---
S-1	10/10/1996	---	---	---	---	---	---	---	21.27	7.31	13.96	---	---
S-1	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	---	21.27	5.50	15.77	---	---
S-1	4/8/1997	---	---	---	---	---	---	---	21.27	7.03	14.24	---	---
S-1	7/21/1997	---	---	---	---	---	---	---	21.27	7.00	14.27	---	---
S-1	10/8/1997	---	---	---	---	---	---	---	21.27	7.51	13.76	---	---
S-1	1/15/1998	420	16	<0.50	4.6	3.9	26	---	21.27	5.43	15.84	---	---
S-1	4/14/1998	---	---	---	---	---	---	---	21.27	5.55	15.72	---	---
S-1	7/14/1998	---	---	---	---	---	---	---	21.33	6.38	14.95	---	---
S-1	10/20/1998	---	---	---	---	---	---	---	21.33	7.48	13.85	---	---
S-1	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2.53	---	21.33	6.37	14.96	---	---
S-1	4/8/1999	---	---	---	---	---	---	---	21.33	5.93	15.40	---	---
S-1	7/23/1999	---	---	---	---	---	---	---	21.33	7.20	14.13	---	---
S-1	10/26/1999	---	---	---	---	---	---	---	21.33	7.61	13.72	---	---
S-1	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	4.73	---	21.33	7.76	13.57	---	---
S-1	4/14/2000	---	---	---	---	---	---	---	21.33	6.35	14.98	---	---
S-1	7/12/2000	---	---	---	---	---	---	---	21.33	7.05	14.28	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-1	11/1/2000	---	---	---	---	---	---	---	21.33	6.51	14.82	---	---
S-1	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	21.33	7.49	13.84	---	---
S-1	4/24/2001	---	---	---	---	---	---	---	21.33	6.85	14.48	---	---
S-1	7/2/2001	---	---	---	---	---	---	---	21.33	7.65	13.68	---	---
S-1	11/2/2001	---	---	---	---	---	---	---	21.33	7.84	13.49	---	---
S-1	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.33	6.16	15.17	---	---
S-1	4/1/2002	---	---	---	---	---	---	---	21.33	6.57	14.76	---	---
S-1	7/11/2002	---	---	---	---	---	---	---	21.33	7.52	13.81	---	---
S-1	10/28/2002	---	---	---	---	---	---	---	21.33	7.99	13.34	---	---
S-1	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	5.6	21.33	6.46	14.87	---	---
S-1	4/30/2003	---	---	---	---	---	---	---	21.33	6.18	15.15	---	---
S-1	7/1/2003	---	---	---	---	---	---	---	21.33	7.38	13.95	---	---
S-1	10/8/2003	---	---	---	---	---	---	---	21.33	7.87	13.46	---	---
S-1	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.33	6.90	14.43	---	---
S-1	7/13/2004	---	---	---	---	---	---	---	21.33	7.83	13.50	---	---
S-1	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.33	5.68	15.65	---	---
S-1	7/19/2005	---	---	---	---	---	---	---	21.33	6.35	14.98	---	---
S-1	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	21.33	6.05	15.28	---	---
S-1	7/25/2006	---	---	---	---	---	---	---	21.33	7.12	14.21	---	---
S-1	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.33	6.75	14.58	---	---
S-1	7/24/2007	---	---	---	---	---	---	---	21.33	7.73	13.60	---	---
S-1	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	21.33	6.10	15.23	---	---
S-1	8/4/2008	---	---	---	---	---	---	---	21.33	7.76	13.57	---	---
S-1	1/8/2009	<50	0.57	<1.0	<1.0	<1.0	---	---	21.33	7.28	14.05	---	---
S-1	7/21/2009	---	---	---	---	---	---	---	21.33	7.89	13.44	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-1	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.33	6.98	14.35	---	---
S-1	7/22/2010	---	---	---	---	---	---	---	21.33	7.47	13.86	---	---
S-1	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**21.33**	**6.68**	**14.65**	**---**	**---**
S-3	9/6/1988	96000	3400	9500	2700	17000	---	---	21.14	---	---	---	---
S-3	11/16/1988	70000	4600	8400	2500	13000	---	---	21.14	7.76	13.38	---	---
S-3	2/27/1989	32000	2400	3100	1500	6400	---	---	21.14	---	---	---	---
S-3	5/4/1989	47000	4400	300	2400	15000	---	---	21.14	---	---	---	---
S-3	8/10/1989	110000	5700	5700	3200	19000	---	---	21.14	7.92	13.22	---	---
S-3	10/10/1989	52000	4600	3300	2600	15000	---	---	21.14	8.00	13.14	---	---
S-3	1/25/1990	420000	5200	4100	6700	34000	---	---	21.14	7.54	13.60	---	---
S-3	4/18/1990	58000	3800	1400	2400	12000	---	---	21.14	7.74	13.40	---	---
S-3	7/23/1990	49000	3400	1800	2300	12000	---	---	21.14	7.55	13.59	---	---
S-3	10/18/1990	44000	3500	650	2400	11000	---	---	21.14	8.47	12.67	---	---
S-3	1/28/1991	64000	40900	570	1940	8090	---	---	21.14	8.38	12.76	---	---
S-3	4/25/1991	120000	3900	3600	2400	8900	---	---	21.14	6.91	14.23	---	---
S-3	7/9/1991	50000	3600	2300	1800	10000	---	---	21.14	8.07	13.07	---	---
S-3	10/8/1991	130000	3600	1000	2800	8400	---	---	21.14	8.61	12.53	---	---
S-3	2/5/1992	150000	2500	670	2700	10000	---	---	21.14	7.80	13.34	---	---
S-3	4/28/1992	120000	2200	1200	2000	5800	---	---	21.14	7.27	13.87	---	---
S-3	7/27/1992	190000	1400	<1250	<1250	3400	---	---	21.14	8.10	13.04	---	---
S-3	10/26/1992	950000	2000	8400	16000	36000	---	---	21.14	8.62	12.52	---	---
S-3	1/14/1993	41000	2700	2500	1800	6900	---	---	21.14	5.16	15.98	---	---
S-3	4/16/1993	40000	930	2800	1900	14000	---	---	21.14	7.18	13.96	---	---
S-3	7/23/1993	87000	1600	<5	1300	4000	---	---	21.14	7.34	13.80	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-3	10/27/1993	36000	2200	<500	1500	3200	---	---	21.14	8.03	13.11	---	---
S-3	1/27/1994	190000	3200	3100	4100	15000	---	---	21.14	6.79	14.35	---	---
S-3	5/5/1994	36000	1100	490	1600	4700	---	---	20.48	6.75	13.73	---	---
S-3	7/26/1994	18000	1039	170.5	845.4	967.5	---	---	20.48	7.30	13.18	---	---
S-3	10/28/1994	25869	467.9	294	546.2	343.3	---	---	20.48	8.36	12.12	---	---
S-3	1/2/1995	23000	850	260	900	2100	---	---	20.48	6.36	14.12	---	---
S-3	4/14/1995	33000	720	670	1600	6600	---	---	20.48	5.87	14.61	---	---
S-3	7/28/1995	12000	540	<10	580	780	---	---	20.48	6.33	14.15	---	---
S-3	10/17/1995	Well inaccessible		---	---	---	---	---	20.48	6.48	14.00	---	---
S-3	1/11/1996	16000	520	290	740	2600	<200	---	20.48	5.80	14.68	---	---
S-3	4/2/1996	---	---	---	---	---	---	---	20.48	5.00	15.48	---	---
S-3	7/9/1996	---	---	---	---	---	---	---	20.48	5.93	14.55	---	---
S-3	10/10/1996	---	---	---	---	---	---	---	20.48	6.73	13.75	---	---
S-3	1/9/1997	30000	420	330	1500	6300	<500	---	20.48	4.72	15.76	---	---
S-3	4/8/1997	---	---	---	---	---	---	---	20.48	6.63	13.85	---	---
S-3	7/21/1997	---	---	---	---	---	---	---	20.48	6.18	14.30	---	---
S-3	10/8/1997	---	---	---	---	---	---	---	20.48	6.83	13.65	---	---
S-3	1/15/1998	21000	300	51	770	2800	<100	---	20.48	4.30	16.18	---	---
S-3 (D)	1/15/1998	14000	330	63	920	3400	<250	---	20.48	---	---	---	---
S-3	4/14/1998	---	---	---	---	---	---	---	20.48	4.37	16.11	---	---
S-3	7/14/1998	---	---	---	---	---	---	---	20.48	5.47	15.01	---	---
S-3	10/20/1998	Well inaccessible		---	---	---	---	---	20.48	---	---	---	---
S-3	1/22/1999	40000	313	194	2200	8800	<40.0	---	20.48	5.71	14.77	---	---
S-3	4/8/1999	---	---	---	---	---	---	---	20.48	4.95	15.53	---	---
S-3	7/23/1999	---	---	---	---	---	---	---	20.48	6.78	13.70	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-3	10/26/1999	---	---	---	---	---	---	---	20.48	7.25	13.23	---	---
S-3	1/3/2000	39700	150	61.8	1690	7720	445	---	20.48	7.46	13.02	---	---
S-3	4/14/2000	---	---	---	---	---	---	---	20.48	5.64	14.84	---	---
S-3	7/12/2000	Well inaccessible		---	---	---	---	---	20.48	---	---	---	---
S-3	11/1/2000	---	---	---	---	---	---	---	20.48	6.72	13.76	---	---
S-3	1/3/2001	25000	89.0	<50.0	1270	5180	<250	---	20.48	7.14	13.34	---	---
S-3	4/24/2001	Well inaccessible		---	---	---	---	---	20.48	---	---	---	---
S-3	7/2/2001	---	---	---	---	---	---	---	20.48	7.28	13.20	---	3.2
S-3	11/2/2001	---	---	---	---	---	---	---	20.48	7.64	12.84	---	3.5
S-3	1/16/2002	Well inaccessible		---	---	---	---	---	20.48	---	---	---	---
S-3	4/1/2002	---	---	---	---	---	---	---	20.48	5.99	14.49	---	3.8
S-3	7/11/2002	---	---	---	---	---	---	---	20.48	7.21	13.27	---	0.7
S-3	10/28/2002	---	---	---	---	---	---	---	20.85	7.90	12.95	---	e
S-3	1/23/2003	28000	60	13	970	3700	---	<50	20.85	6.00	14.85	---	0.3
S-3	4/30/2003	---	---	---	---	---	---	---	20.85	5.34	15.51	---	1.0
S-3	7/1/2003	---	---	---	---	---	---	---	20.85	7.28	13.57	---	1.0
S-3	10/8/2003	---	---	---	---	---	---	---	20.85	7.63	13.22	---	26.9
S-3	1/22/2004	3200	5.7	<2.5	16	320	---	---	20.85	6.53	14.32	---	0.5
S-3	7/13/2004	Well inaccessible		---	---	---	---	---	20.85	---	---	---	---
S-3	7/21/2004	3100	4.1	<2.5	10	130	---	---	20.85	7.64	13.21	---	2.2
S-3	1/20/2005	93	<0.50	<0.50	1.3	1.8	---	---	20.85	5.78	15.07	---	0.8
S-3	7/19/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.85	6.35	14.50	---	---
S-3	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	20.85	5.55	15.30	---	---
S-3	7/25/2006	100	<1.00	<1.00	<1.00	<3.00	---	---	20.85	7.09	13.76	---	---
S-3	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.85	6.53	14.32	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-3	7/24/2007	590 g,h	0.99	<1.0	0.25 i	0.99 i	---	---	20.85	7.44	13.41	---	---
S-3	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	20.85	5.41	15.44	---	---
S-3	8/4/2008	76	<0.50	<1.0	<1.0	<1.0	---	---	20.85	6.62	14.23	---	---
S-3	1/8/2009	260	<0.50	<1.0	<1.0	<1.0	---	---	20.85	6.87	13.98	---	---
S-3	7/21/2009	90	<0.50	<1.0	<1.0	<1.0	---	---	20.85	7.64	13.21	---	---
S-3	07/21/2009 *	150	<0.50	<1.0	<1.0	<1.0	---	---	20.85	7.64	13.21	---	---
S-3	01/12/2010 *	130	0.83	<1.0	<1.0	<1.0	---	---	20.85	6.63	14.22	---	---
S-3	7/22/2010	81	<0.50	<1.0	<1.0	<1.0	---	---	20.85	7.29	13.56	---	---
S-3	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.85**	**6.26**	**14.59**	**---**	**---**
S-5	1/8/1987	7800	380	510	---	1000	---	---	21.41	---	---	---	---
S-5	9/6/1988	7000	2600	60	400	700	---	---	21.41	---	---	---	---
S-5	11/16/1988	3000	660	60	120	220	---	---	21.41	---	---	---	---
S-5	2/27/1989	5700	2000	220	260	320	---	---	21.41	---	---	---	---
S-5	5/4/1989	9000	3000	600	630	1700	---	---	21.41	---	---	---	---
S-5	8/10/1989	5100	1100	<50	270	400	---	---	21.41	8.28	13.13	---	---
S-5	10/10/1989	15000	3300	160	830	2200	---	---	21.41	8.32	13.09	---	---
S-5	1/25/1990	12000	2400	360	570	1400	---	---	21.41	8.20	13.21	---	---
S-5	4/18/1990	5200	1100	40	300	460	---	---	21.41	8.32	13.09	---	---
S-5	7/23/1990	5500	1300	140	320	730	---	---	21.41	8.03	13.38	---	---
S-5	10/18/1990	12000	3200	40	720	900	---	---	21.41	9.03	12.38	---	---
S-5	1/28/1991	2550	410	15	110	60	---	---	21.41	8.80	12.61	---	---
S-5	4/25/1991	67000	5100	3100	2800	11000	---	---	21.41	7.40	14.01	---	---
S-5	7/9/1991	4900	480	36	360	1000	---	---	21.41	8.52	12.89	---	---
S-5	10/8/1991	6600	370	7.0	190	380	---	---	21.41	9.00	12.41	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-5	2/5/1992	44000	4800	850	2700	8400	---	---	21.41	8.11	13.30	---	---
S-5	4/28/1992	33000	1400	320	1600	5200	---	---	21.41	7.70	13.71	---	---
S-5	7/27/1992	20000	2400	<25	1800	2300	---	---	21.41	8.52	12.89	---	---
S-5	10/26/1992	21000	1600	140	1500	2800	---	---	21.41	9.02	12.39	---	---
S-5	1/14/1993	54000	1900	1000	2700	16000	---	---	21.41	5.22	16.19	---	---
S-5	4/16/1993	42000	2000	1300	4300	18000	---	---	21.41	7.04	14.37	---	---
S-5	7/23/1993	46000	2500	2200	3400	11000	---	---	21.41	7.75	13.66	---	---
S-5	10/27/1993	6500	990	31	1100	1000	---	---	21.41	8.49	12.92	---	---
S-5	1/27/1994	34000	1800	580	2900	9700	---	---	21.41	7.04	14.37	---	---
S-5	5/5/1994	24000	670	70	1400	2700	---	---	21.03	7.20	13.83	---	---
S-5	7/27/1994	4700	193.6	33.1	332.3	281.2	---	---	21.03	7.72	13.31	---	---
S-5	10/28/1994	3200	167.3	18	238.7	104.5	---	---	21.03	7.82	13.21	---	---
S-5	1/2/1995	18000	1300	220	3400	10000	---	---	21.03	6.65	14.38	---	---
S-5	4/14/1995	---	---	---	---	---	---	---	21.03	5.99	15.04	---	---
S-5	7/28/1995	25000	440	74	1700	4500	---	---	21.03	6.77	14.26	---	---
S-5 (D)	7/28/1995	25000	450	<50	1700	4600	---	---	21.03	---	---	---	---
S-5	10/17/1995	18000	360	24	1300	2200	---	---	21.03	7.00	14.03	---	---
S-5	1/11/1996	41000	420	180	1600	9500	<200	---	21.03	6.22	14.81	---	---
S-5	4/2/1996	---	---	---	---	---	---	---	21.03	5.44	15.59	---	---
S-5	7/9/1996	---	---	---	---	---	---	---	21.03	6.41	14.62	---	---
S-5	10/10/1996	---	---	---	---	---	---	---	21.03	7.19	13.84	---	---
S-5	1/9/1997	38000	130	43	160	6200	<125	---	21.03	5.03	16.00	---	---
S-5 (D)	1/9/1997	36000	130	<50	160	5600	<250	---	21.03	---	---	---	---
S-5	4/8/1997	---	---	---	---	---	---	---	21.03	7.20	13.83	---	---
S-5	7/21/1997	---	---	---	---	---	---	---	21.03	6.82	14.21	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-5	10/8/1997	---	---	---	---	---	---	---	21.03	7.31	13.72	---	---
S-5	1/15/1998	49000	62	<50	93	4100	<250	---	21.03	4.58	16.45	---	---
S-5	4/14/1998	---	---	---	---	---	---	---	21.03	4.94	16.09	---	---
S-5	7/14/1998	---	---	---	---	---	---	---	21.27	5.36	15.91	---	---
S-5	10/20/1998	---	---	---	---	---	---	---	21.27	7.53	13.74	---	---
S-5	1/22/1999	2550	9.09	<0.500	1.93	112	4.40	---	21.27	6.35	14.92	---	---
S-5	4/8/1999	---	---	---	---	---	---	---	21.27	5.37	15.90	---	---
S-5	7/23/1999	---	---	---	---	---	---	---	21.27	6.43	14.84	---	---
S-5	10/26/1999	---	---	---	---	---	---	---	21.27	7.51	13.76	---	---
S-5	1/3/2000	3310	39.0	<10.0	293	21.7	<50.0	---	21.27	7.78	13.49	---	---
S-5	4/14/2000	---	---	---	---	---	---	---	21.27	6.15	15.12	---	---
S-5	7/12/2000	---	---	---	---	---	---	---	21.27	7.05	14.22	---	---
S-5	11/1/2000	---	---	---	---	---	---	---	21.27	6.00	15.27	---	---
S-5	1/3/2001	516	3.65	0.968	18.0	4.02	18.4	---	21.27	7.48	13.79	---	---
S-5	4/24/2001	---	---	---	---	---	---	---	21.27	6.58	14.69	---	---
S-5	7/2/2001	---	---	---	---	---	---	---	21.27	7.60	13.67	---	---
S-5	11/2/2001	---	---	---	---	---	---	---	21.27	7.94	13.33	---	---
S-5	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.27	5.88	15.39	---	---
S-5	4/1/2002	---	---	---	---	---	---	---	21.27	6.27	15.00	---	---
S-5	7/11/2002	---	---	---	---	---	---	---	21.27	7.53	13.74	---	---
S-5	10/28/2002	---	---	---	---	---	---	---	21.27	8.11	13.16	---	---
S-5	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.27	6.22	15.05	---	---
S-5	4/30/2003	---	---	---	---	---	---	---	21.27	5.48	15.79	---	---
S-5	7/1/2003	---	---	---	---	---	---	---	21.27	7.32	13.95	---	---
S-5	10/8/2003	---	---	---	---	---	---	---	21.27	7.91	13.36	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-5	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.27	6.68	14.59	---	---
S-5	7/13/2004	---	---	---	---	---	---	---	21.27	8.17	13.10	---	---
S-5	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.27	5.30	15.97	---	---
S-5	7/19/2005	---	---	---	---	---	---	---	21.27	6.35	14.92	---	---
S-5	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	21.27	5.83	15.44	---	---
S-5	7/25/2006	---	---	---	---	---	---	---	21.27	7.35	13.92	---	---
S-5	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.27	6.82	14.45	---	---
S-5	7/24/2007	---	---	---	---	---	---	---	21.27	7.70	13.57	---	---
S-5	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	21.27	5.83	15.44	---	---
S-5	8/4/2008	---	---	---	---	---	---	---	21.27	8.04	13.23	---	---
S-5	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.27	7.21	14.06	---	---
S-5	7/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.27	8.03	13.24	---	---
S-5	07/21/2009 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.27	8.03	13.24	---	---
S-5	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.27	7.13	14.14	---	---
S-5	7/22/2010	---	---	---	---	---	---	---	21.27	7.50	13.77	---	---
S-5	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**21.27**	**6.55**	**14.72**	**---**	**---**
S-6	11/16/1988	50	0.7	<1	<1	<3	---	---	22.02	8.58	13.44	---	---
S-6	2/27/1989	<50	<0.5	<1	<1	<3	---	---	22.02	---	---	---	---
S-6	5/4/1989	<50	<0.5	<1	<1	<3	---	---	22.02	---	---	---	---
S-6	8/10/1989	<50	<0.5	<1	<1	<3	---	---	22.02	8.54	13.48	---	---
S-6	10/10/1989	<50	<0.5	<1	<1	<3	---	---	22.02	8.58	13.44	---	---
S-6	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	22.02	8.31	13.71	---	---
S-6	4/18/1990	<50	<0.5	0.6	<0.5	1.0	---	---	22.02	8.43	13.59	---	---
S-6	7/23/1990	<50	<0.5	0.9	<0.5	1.8	---	---	22.02	8.24	13.78	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-6	10/18/1990	<50	<0.5	0.7	<0.5	0.8	---	---	22.02	9.20	12.82	---	---
S-6	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.02	9.10	12.92	---	---
S-6	4/25/1991	<50	<0.5	<0.5	<0.5	0.7	---	---	22.02	7.74	14.28	---	---
S-6	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.02	8.81	13.21	---	---
S-6	10/8/1991	<50	0.7	<0.5	<0.5	<0.5	---	---	22.02	9.26	12.76	---	---
S-6	2/2/1992	---	---	---	---	---	---	---	22.02	8.47	13.55	---	---
S-6	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.02	7.91	14.11	---	---
S-6	7/27/1992	---	---	---	---	---	---	---	22.02	8.83	13.19	---	---
S-6	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.02	9.29	12.73	---	---
S-6	1/13/1994	---	---	---	---	---	---	---	22.02	9.43	12.59	---	---
S-6	4/16/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.02	7.12	14.90	---	---
S-6	7/23/1993	---	---	---	---	---	---	---	22.02	8.14	13.88	---	---
S-6	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.02	8.75	13.27	---	---
S-6	1/27/1994	---	---	---	---	---	---	---	22.02	7.87	14.15	---	---
S-6	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.40	7.71	13.69	---	---
S-6	7/26/1994	---	---	---	---	---	---	---	21.40	8.10	13.30	---	---
S-6	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	21.40	8.04	13.36	---	---
S-6	1/2/1995	---	---	---	---	---	---	---	21.40	7.07	14.33	---	---
S-6	4/14/1995	<50	<0.5	1.3	<0.5	<0.5	---	---	21.40	6.29	15.11	---	---
S-6	7/28/1995	---	---	---	---	---	---	---	21.40	6.91	14.49	---	---
S-6	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.40	7.20	14.20	---	---
S-6	1/11/1996	---	---	---	---	---	---	---	21.40	6.60	14.80	---	---
S-6	1/22/2004	Unable to locate		---	---	---	---	---	21.40	---	---	---	---
S-7	11/16/1988	100	5.1	15	2.0	13	---	---	21.47	8.24	13.23	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-7	2/27/1989	50	0.5	3.0	1.0	11	---	---	21.47	---	---	---	---
S-7	5/4/1989	<50	<0.5	<1	<1	<3	---	---	21.47	---	---	---	---
S-7	8/10/1989	<50	<0.5	<1	<1	<3	---	---	21.47	8.18	13.29	---	---
S-7	10/10/1989	<50	<0.5	<1	<1	<3	---	---	21.47	8.35	13.12	---	---
S-7	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.47	7.95	13.52	---	---
S-7	4/18/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.47	8.06	13.41	---	---
S-7	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	7.89	13.58	---	---
S-7	10/18/1990	<50	<0.5	0.5	0.5	4.1	---	---	21.47	8.83	12.64	---	---
S-7	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	8.77	12.70	---	---
S-7	4/25/1991	60	<0.5	<0.5	<0.5	<0.5	---	---	21.47	7.25	14.22	---	---
S-7	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	8.41	13.06	---	---
S-7	10/8/1991	---	---	---	---	---	---	---	21.47	8.95	12.52	---	---
S-7	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	8.04	13.43	---	---
S-7	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	8.95	12.52	---	---
S-7	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	7.45	14.02	---	---
S-7	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	8.48	12.99	---	---
S-7	10/26/1992	570	<0.5	<0.5	<0.5	<0.5	---	---	21.47	9.95	11.52	---	---
S-7	1/14/1993	56	<0.5	<0.5	<0.5	<0.5	---	---	21.47	5.84	15.63	---	---
S-7	4/16/1993	110	28	<0.5	<0.5	1.8	---	---	21.47	6.38	15.09	---	---
S-7	7/23/1993	80	0.48	<0.5	<0.5	0.8	---	---	21.47	7.72	13.75	---	---
S-7	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.47	7.79	13.68	---	---
S-7	1/27/1994	70a	<0.5	<0.5	<0.5	<0.5	---	---	21.47	7.85	13.62	---	---
S-7	5/5/1994	92	2.1	<0.5	<0.5	<0.5	---	---	20.85	9.45	11.40	---	---
S-7	7/26/1994	88	<0.3	<0.3	<0.3	<0.6	---	---	20.85	7.64	13.21	---	---
S-7	10/28/1994	60	<0.3	0.5	<0.3	<0.6	---	---	20.85	7.68	13.17	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-7	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.85	6.95	13.90	---	---
S-7	4/14/1995	---	---	---	---	---	---	---	20.85	5.82	15.03	---	---
S-7	7/28/1995	170	1.7	<0.5	<0.5	2.2	---	---	20.85	6.32	14.53	---	---
S-7	10/17/1995	100	<0.5	0.6	<0.5	<0.5	---	---	20.85	7.07	13.78	---	---
S-7	1/11/1996	80	0.6	<0.5	<0.5	<0.5	54	---	20.85	6.10	14.75	---	---
S-7	4/2/1996	---	---	---	---	---	---	---	20.85	6.14	14.71	---	---
S-7	7/9/1996	---	---	---	---	---	---	---	20.85	6.40	14.45	---	---
S-7	10/10/1996	---	---	---	---	---	---	---	20.85	6.70	14.15	---	---
S-7	1/9/1997	130	1.4	<0.50	<0.50	0.56	70	---	20.85	5.25	15.60	---	---
S-7	4/8/1997	---	---	---	---	---	---	---	20.85	7.15	13.70	---	---
S-7	7/21/1997	---	---	---	---	---	---	---	20.85	6.67	14.18	---	---
S-7	10/8/1997	---	---	---	---	---	---	---	20.85	7.26	13.59	---	---
S-7	1/15/1998	<50	<0.50	<0.50	<0.50	<0.50	39	---	20.85	5.51	15.34	---	---
S-7	4/14/1998	---	---	---	---	---	---	---	20.85	5.45	15.40	---	---
S-7	7/14/1998	---	---	---	---	---	---	---	21.03	6.48	14.55	---	---
S-7	10/20/1998	---	---	---	---	---	---	---	21.03	7.37	13.66	---	---
S-7	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	97.8	---	21.03	6.21	14.82	---	---
S-7	4/8/1999	---	---	---	---	---	---	---	21.03	5.30	15.73	---	---
S-7	7/23/1999	---	---	---	---	---	---	---	21.03	7.12	13.91	---	---
S-7	10/26/1999	---	---	---	---	---	---	---	21.03	7.54	13.49	---	---
S-7	1/3/2000	615	8.73	2.90	4.00	7.17	17.0	---	21.03	7.73	13.30	---	---
S-7	4/14/2000	---	---	---	---	---	---	---	21.03	6.27	14.76	---	---
S-7	7/12/2000	---	---	---	---	---	---	---	21.03	6.97	14.06	---	---
S-7	11/1/2000	---	---	---	---	---	---	---	21.03	6.43	14.60	---	---
S-7	1/3/2001	460	6.68	<0.500	0.712	0.596	10.2	---	21.03	7.27	13.76	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-7	4/24/2001	---	---	---	---	---	---	---	21.03	6.75	14.28	---	---
S-7	7/2/2001	---	---	---	---	---	---	---	21.03	7.55	13.48	---	---
S-7	11/2/2001	---	---	---	---	---	---	---	21.03	7.80	13.23	---	---
S-7	1/16/2002	360	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.03	6.11	14.92	---	---
S-7	4/1/2002	---	---	---	---	---	---	---	21.03	6.54	14.49	---	---
S-7	7/11/2002	---	---	---	---	---	---	---	21.03	7.37	13.66	---	---
S-7	10/28/2002	---	---	---	---	---	---	---	21.01	7.97	13.04	---	---
S-7	1/23/2003	160	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.01	6.45	14.56	---	---
S-7	4/30/2003	---	---	---	---	---	---	---	21.01	6.14	14.87	---	---
S-7	7/1/2003	---	---	---	---	---	---	---	21.01	7.28	13.73	---	---
S-7	10/8/2003	---	---	---	---	---	---	---	21.01	7.78	13.23	---	---
S-7	1/22/2004	140	<0.50	<0.50	0.51	<1.0	---	---	21.01	6.93	14.08	---	---
S-7	7/13/2004	150	<0.50	<0.50	<0.50	<1.0	---	17	21.01	7.88	13.13	---	---
S-7	1/20/2005	200 a	<0.50	<0.50	<0.50	<1.0	---	---	21.01	5.68	15.33	---	---
S-7	7/19/2005	140 a	<0.50	<0.50	<0.50	<1.0	---	---	21.01	6.18	14.83	---	---
S-7	1/27/2006	69.8	<0.500	<0.500	<0.500	<0.500	---	---	21.01	6.11	14.90	---	---
S-7	7/25/2006	78.6	<1.00	<1.00	<1.00	<3.00	---	---	21.01	7.01	14.00	---	---
S-7	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.01	6.70	14.31	---	---
S-7	7/24/2007	63 g,h	<0.50	<1.0	<1.0	<1.0	---	---	21.01	7.54	13.47	---	---
S-7	1/15/2008	160 g,h	<0.50	<1.0	<1.0	<1.0	---	---	21.01	6.08	14.93	---	---
S-7	8/4/2008	72	<0.50	<1.0	<1.0	<1.0	---	---	21.01	7.78	13.23	---	---
S-7	1/8/2009	210	<0.50	<1.0	<1.0	<1.0	---	---	21.01	7.12	13.89	---	---
S-7	7/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.01	7.78	13.23	---	---
S-7	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.01	6.83	14.18	---	---
S-7	7/22/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.01	7.20	13.81	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-7	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**21.01**	**6.61**	**14.40**	**---**	**---**
S-8	11/16/1988	210	5.0	<1	1.0	5.0	---	---	20.72	7.76	12.96	---	---
S-8	2/27/1989	<50	2.4	<1	<1	<3	---	---	20.72	---	---	---	---
S-8	5/4/1989	<50	7.5	<1	2.0	<3	---	---	20.72	---	---	---	---
S-8	8/10/1989	<50	0.6	<1	<1	<3	---	---	20.72	7.79	12.93	---	---
S-8	10/10/1989	<50	<0.5	<1	<1	<3	---	---	20.72	7.84	12.88	---	---
S-8	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	20.72	7.47	13.25	---	---
S-8	4/18/1990	<50	<0.5	<0.5	<0.5	<1	---	---	20.72	7.59	13.13	---	---
S-8	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.72	7.49	13.23	---	---
S-8	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.72	8.44	12.28	---	---
S-8	1/28/1991	<50	55	0.5	<0.5	1.4	---	---	20.72	8.28	12.44	---	---
S-8	4/25/1991	130a	19	<0.5	1.3	1.1	---	---	20.72	6.72	14.00	---	---
S-8	7/9/1991	200	33	<0.5	1.8	2.8	---	---	20.72	7.98	12.74	---	---
S-8	10/8/1991	580	95	2.2	4.9	6.5	---	---	20.72	8.55	12.17	---	---
S-8	2/5/1992	90a	18	<0.5	6.2	1.8	---	---	20.72	7.50	13.22	---	---
S-8	4/28/1992	<50	5.9	<0.5	2.5	<0.5	---	---	20.72	7.14	13.58	---	---
S-8	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.72	8.06	12.66	---	---
S-8	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.72	8.58	12.14	---	---
S-8	1/14/1993	270	74	0.9	25	5.5	---	---	20.72	5.32	15.40	---	---
S-8	4/16/1993	1100	420	<0.5	200	20	---	---	20.72	5.76	14.96	---	---
S-8	7/23/1993	160	23	<0.5	1.2	1.5	---	---	20.72	7.29	13.43	---	---
S-8	10/27/1993	420	650	0.7	11	1.7	---	---	20.72	7.93	12.79	---	---
S-8	1/27/1994	290	65	<1	6.9	2.4	---	---	20.72	6.31	14.41	---	---
S-8	5/5/1994	120	13	<0.5	<0.5	<0.5	---	---	20.32	6.84	13.48	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-8	7/26/1994	115	12.2	1.3	<0.3	2.7	---	---	20.32	7.42	12.90	---	---
S-8	10/28/1994	733	75.9	3.2	4.9	4.2	---	---	20.32	7.56	12.76	---	---
S-8	1/2/1995	290	54	<0.5	10	<0.5	---	---	20.32	6.19	14.13	---	---
S-8	4/14/1995	230	68	<0.5	10	2.4	---	---	20.32	5.54	14.78	---	---
S-8	7/28/1995	290	44	<0.5	8.0	<0.5	---	---	20.32	6.28	14.04	---	---
S-8	10/17/1995	190	24	<0.5	1.0	0.9	---	---	20.32	6.64	13.68	---	---
S-8	1/11/1996	400	85	1.1	13	3.4	2.3	---	20.32	5.96	14.36	---	---
S-8	4/2/1996	300	110	0.7	4.9	0.9	<2	---	20.32	5.21	15.11	---	---
S-8	7/9/1996	<50	5.4	<0.50	0.63	<0.50	<2.5	---	20.32	6.05	14.27	---	---
S-8	10/10/1996	150	0.53	0.66	2.3	1.0	8.9	---	20.32	6.83	13.49	---	---
S-8	1/9/1997	240	27	<0.50	2.4	<0.50	5.8	---	20.32	4.51	15.81	---	---
S-8	4/8/1997	220	27	0.62	1.9	0.71	5.7	---	20.32	6.50	13.82	---	---
S-8	7/21/1997	1200	140	2.8	21	5.0	27	---	20.32	6.36	13.96	---	---
S-8 (D)	7/21/1997	1200	120	<2.0	19	3.9	25	---	20.32	---	---	---	---
S-8	10/8/1997	690	92	1.4	25	2.0	<2.5	---	20.32	6.83	13.49	---	---
S-8 (D)	10/8/1997	700	95	1.3	26	1.9	<2.5	---	20.32	---	---	---	---
S-8	1/15/1998	460	110	1.0	3.4	1.7	<5.0	---	20.32	4.30	16.02	---	---
S-8	4/14/1998	780	190	2.9	15	3.4	<2.5	---	20.32	4.68	15.64	---	---
S-8	7/14/1998	1600	240	<5.0	36	<5.0	<25	---	20.36	6.36	14.00	---	---
S-8	10/20/1998	700	55	<5.0	<5.0	<5.0	49	---	20.36	6.91	13.45	---	---
S-8	1/22/1999	<50.0	5.83	<0.500	0.919	<0.500	<2.00	---	20.36	5.97	14.39	---	---
S-8	4/8/1999	684	10.6	1.3	9.75	1.0	10.5	---	20.36	5.01	15.35	---	---
S-8	7/23/1999	1540	86.5	5.20	5.30	6.35	<25.0	---	20.36	6.61	13.75	---	---
S-8	10/26/1999	1680	116	<2.50	22.4	5.58	<12.5	---	20.36	6.95	13.41	---	---
S-8	1/3/2000	Well inaccessible		---	---	---	---	---	20.36	---	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-8	4/14/2000	Well inaccessible		---	---	---	---	---	20.36	---	---	---	---
S-8	7/12/2000	Well inaccessible		---	---	---	---	---	20.36	---	---	---	---
S-8	11/1/2000	2300	118	12.4	51.7	<2.50	<12.5	---	20.36	5.68	14.68	---	---
S-8	1/3/2001	263	4.34	0.620	<0.500	0.643	5.40	---	20.36	6.95	13.41	---	---
S-8	4/24/2001	680	12	<0.50	0.86	<0.50	---	<0.50	20.36	6.25	14.11	---	---
S-8	7/2/2001	330	2.5	<0.50	0.86	<0.50	---	<5.0	20.36	7.00	13.36	---	---
S-8	11/2/2001	1300	71	0.84	14	1.7	---	<5.0	20.36	7.44	12.92	---	---
S-8	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.36	5.67	14.69	---	---
S-8	4/1/2002	330	2.2	<0.50	<0.50	<0.50	---	<5.0	20.36	5.99	14.37	---	---
S-8	7/11/2002	1400	55	0.83	5.3	0.71	---	<5.0	20.36	6.94	13.42	---	---
S-8	10/28/2002	660	6.2	0.63	0.76	<0.50	---	<0.50	20.36	7.50	12.86	---	1.1
S-8	1/23/2003	1600	30	0.56	6.7	<0.50	---	<5.0	20.36	5.99	14.37	---	---
S-8	4/30/2003	890	13	<0.50	0.59	<1.0	---	<5.0	20.36	5.30	15.06	---	---
S-8	7/1/2003	1800	68	1.3	2.6	1.2	---	<0.50	20.36	6.87	13.49	---	1.0
S-8	10/8/2003	220	1.3	<0.50	<0.50	<1.0	---	<0.50	20.36	7.27	13.09	---	---
S-8	1/22/2004	1000	6.7	<0.50	0.61	<1.0	---	---	20.36	6.50	13.86	---	---
S-8	7/13/2004	2000	100	1.7	5.7	<2.0	---	<1.0	20.36	7.41	12.95	---	---
S-8	1/20/2005	380	4.3	<0.50	<0.50	<1.0	---	---	20.36	5.02	15.34	---	---
S-8	7/19/2005	120	1.2	<0.50	<0.50	<1.0	---	---	20.36	5.82	14.54	---	---
S-8	1/27/2006	494	2.42	<0.500	<0.500	<0.500	---	---	20.36	5.51	14.85	---	---
S-8	7/25/2006	382	2.05	<1.00	<1.00	<3.00	---	---	20.36	6.66	13.70	---	---
S-8	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.36	6.13	14.23	---	---
S-8	7/24/2007	210 g,h	1.2	<1.0	<1.0	<1.0	---	---	20.36	6.92	13.44	---	---
S-8	1/15/2008	560 g,h	5.3	<1.0	0.31 i	<1.0	---	---	20.36	5.32	15.04	---	---
S-8	8/4/2008	200	<0.50	<1.0	<1.0	<1.0	---	---	20.36	6.98	13.38	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-8	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.36	6.62	13.74	---	---
S-8	7/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.36	7.10	13.26	---	---
S-8	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.36	6.34	14.02	---	---
S-8	7/22/2010	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.36	6.78	13.58	---	---
S-8	**2/1/2011**	**77**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.36**	**6.12**	**14.24**	**---**	**---**
S-9	11/16/1988	1400	69	3.0	52	180	---	---	20.96	7.78	13.18	---	---
S-9	2/27/1989	1600	240	4.0	130	180	---	---	20.96	---	---	---	---
S-9	5/4/1989	2600	470	10	240	480	---	---	20.96	---	---	---	---
S-9	8/10/1989	520	73	<10	40	<30	---	---	20.96	7.82	13.14	---	---
S-9	10/10/1989	380	82	<1	46	13	---	---	20.96	7.87	13.09	---	---
S-9	1/25/1990	750	140	1.2	69	75	---	---	20.96	7.41	13.55	---	---
S-9	4/18/1990	680	150	1.7	50	37	---	---	20.96	7.65	13.31	---	---
S-9	7/23/1990	490	94	1.2	32	24	---	---	20.96	7.58	13.38	---	---
S-9	10/18/1990	390	140	0.7	3.3	24	---	---	20.96	8.46	12.50	---	---
S-9	1/28/1991	1040	450	4.6	85	97	---	---	20.96	8.29	12.67	---	---
S-9	4/25/1991	5800	880	9.0	360	500	---	---	20.96	6.09	14.87	---	---
S-9	7/9/1991	1400	220	2.8	82	100	---	---	20.96	7.82	13.14	---	---
S-9	10/8/1991	890	960	<2.5	16	29	---	---	20.96	8.55	12.41	---	---
S-9	2/5/1992	950	240	<2.5	28	55	---	---	20.96	6.96	14.00	---	---
S-9	4/28/1992	1400a	290	3.0	100	81	---	---	20.96	6.76	14.20	---	---
S-9	7/27/1992	890	190	<2.5	66	68	---	---	20.96	8.10	12.86	---	---
S-9	10/26/1992	650	160	<2.5	63	89	---	---	20.96	8.53	12.43	---	---
S-9	1/13/1993	19000	2400	38	1700	2200	---	---	20.96	6.80	14.16	---	---
S-9	4/16/1993	10000	1500	<5	1100	990	---	---	20.96	6.28	14.68	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-9	7/23/1993	1100	400	<5	260	160	---	---	20.96	7.26	13.70	---	---
S-9	10/27/1993	2500	400	<5	190	110	---	---	20.96	8.00	12.96	---	---
S-9	1/27/1994	4800	990	16	630	490	---	---	20.96	5.96	15.00	---	---
S-9	5/5/1994	3700	480	<5	21	120	---	---	20.68	6.99	13.69	---	---
S-9	7/26/1994	1000	124.6	<0.3	35.8	28.6	---	---	20.68	7.56	13.12	---	---
S-9	10/28/1994	979	80.3	7.0	21.7	29.2	---	---	20.68	7.78	12.90	---	---
S-9	1/2/1995	3900	540	2.4	350	150	---	---	20.68	6.29	14.39	---	---
S-9	4/14/1995	5100	1000	<10	380	230	---	---	20.68	5.69	14.99	---	---
S-9	7/28/1995	4600	680	<10	120	47	---	---	20.68	6.61	14.07	---	---
S-9	10/17/1995	1600	150	<0.5	42	15	---	---	20.68	7.00	13.68	---	---
S-9	1/11/1996	6800	1100	12	720	95	24	---	20.68	6.20	14.48	---	---
S-9	4/2/1996	6000	1300	8.3	430	99	49	---	20.68	5.19	15.49	---	---
S-9 (D)	4/2/1996	6500	1200	8.3	410	90	<20	---	20.68	---	---	---	---
S-9	7/9/1996	3400	680	6.7	54	31	<25	---	20.68	6.43	14.25	---	---
S-9 (D)	7/9/1996	3300	730	<5.0	58	28	<25	---	20.68	---	---	---	---
S-9	10/10/1996	6600	1200	<10	160	<10	70	---	20.68	7.08	13.60	---	---
S-9 (D)	10/10/1996	6100	1000	<10	200	15	65	---	20.68	---	---	---	---
S-9	1/9/1997	12000	1400	<25	1000	39	<125	---	20.68	5.03	15.65	---	---
S-9	4/8/1997	6600	920	10	230	26	150	---	20.68	6.78	13.90	---	---
S-9	7/21/1997	7800	860	13	260	14	87	---	20.68	6.77	13.91	---	---
S-9	10/8/1997	4600	320	<10	61	<10	28	---	20.68	6.92	13.76	---	---
S-9	1/15/1998	9300	1000	<10	730	24	<50	---	20.68	4.50	16.18	---	---
S-9	4/14/1998	12000	1200	<2.5	960	<2.5	<12	---	20.68	4.35	16.33	---	---
S-9 (D)	4/14/1998	12000	1200	<2.5	930	<2.5	<12	---	20.68	---	---	---	---
S-9	7/14/1998	12000	1700	<25	990	39	<125	---	20.68	5.95	14.73	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-9 (D)	7/14/1998	11000	1800	<25	650	<25	<125	---	20.68	---	---	---	---
S-9	10/20/1998	14000	1600	<25	560	<25	340	---	20.68	7.03	13.65	---	---
S-9 (D)	10/20/1998	11000	1100	<10	230	<10	100	---	20.68	---	---	---	---
S-9	1/22/1999	9900	1030	26.7	819	27.5	46.8	---	20.68	6.01	14.67	---	---
S-9	4/8/1999	17900	1450	<50.0	1610	73.8	<500	---	20.68	5.25	15.43	---	---
S-9	7/23/1999	12200	1020	<20.0	536	<20.0	<200	---	20.68	6.71	13.97	---	---
S-9	10/26/1999	9580	1170	11.9	566	23.1	<50.0	---	20.68	7.27	13.41	---	---
S-9	10/26/1999	9580	1170	11.9	566	23.1	<50.0	---	20.68	7.27	13.41	---	---
S-9	1/3/2000	9660	689	<50.0	640	<50.0	<250	---	20.68	7.47	13.21	---	---
S-9	4/14/2000	14000	1040	<50.0	1210	<50.0	<250	---	20.68	5.75	14.93	---	---
S-9	7/12/2000	13200	1360	33.9	552	26.8	<100	---	20.68	6.63	14.05	---	---
S-9	11/1/2000	9120	928	13.5	468	<10.0	<50.0	---	20.68	5.50	15.18	---	---
S-9	1/3/2001	355	19.8	0.732	2.23	0.630	5.09	---	20.68	7.11	13.57	---	---
S-9	4/24/2001	3500	300	1.7	150	1.7	---	<1.0	20.68	6.30	14.38	---	---
S-9	7/2/2001	88	3.8	<0.50	<0.50	<0.50	---	<5.0	20.68	8.18	12.50	---	2.6
S-9	11/2/2001	210	9.5	<0.50	<0.50	<0.50	---	<5.0	20.68	8.40	12.28	---	16.4
S-9	1/16/2002	15000	520	4.9	580	7.1	---	<20	20.68	5.71	14.97	---	0.5
S-9	4/1/2002	15000	530	5.1	920	7.8	---	<25	20.68	5.99	14.69	---	3.0
S-9	7/11/2002	10000	520	5.3	97	5.8	---	<25	20.68	6.99	13.69	---	0.5
S-9	10/28/2002	11000	580	6.2	65	5.3	---	<2.5	20.70	7.63	13.07	---	1.0
S-9	1/23/2003	9300	400	5.6	320	6.5	---	<5.0	20.70	5.96	14.74	---	0.5
S-9	4/30/2003	180	4.2	<0.50	3.7	<1.0	---	<5.0	20.70	5.20	15.50	---	7.0
S-9	7/1/2003	2200	71	0.94	6.4	<1.0	---	<0.50	20.70	7.78	12.92	---	0.9
S-9	10/8/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	20.70	7.38	13.32	---	16.2
S-9	1/22/2004	1400	26	<1.0	14	12	---	---	20.70	6.51	14.19	---	0.7

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-9	7/13/2004	1900	36	<1.0	2.0	<2.0	---	<1.0	20.70	8.51	12.19	---	17.1
S-9	1/20/2005	3600	60	1.2	50	<2.0	---	---	20.70	5.80	14.90	---	0.4
S-9	7/19/2005	2800	42	1.4	18	<2.0	---	---	20.70	7.50	13.20	---	---
S-9	1/27/2006	16800	152	4.74	165	6.77	---	---	20.70	6.40	14.30	---	---
S-9	7/25/2006	22500	79.3	2.32	27.2	<3.00	---	---	20.70	6.92	13.78	---	---
S-9	1/4/2007	5800	82	3.2	110	<5.0	---	---	20.70	6.40	14.30	---	---
S-9	7/24/2007	8900 g,h	91	3.4 i	22	<10	---	---	20.70	7.19	13.51	---	---
S-9	1/15/2008	11,000 g,h	68	3.5 i	68	4.5 i	---	---	20.70	5.20	15.50	---	---
S-9	8/4/2008	8,200	50	2.6	12	3.6	---	---	20.70	7.38	13.32	---	---
S-9	1/8/2009	9,200	40	2.4	29	1.9	---	---	20.70	6.73	13.97	---	---
S-9	7/21/2009	6,200	26	1.6	7.5	1.3	---	---	20.70	7.28	13.42	---	---
S-9	07/21/2009 *	9,600	35	2.1	9.2	1.8	---	---	20.70	7.28	13.42	---	---
S-9	01/12/2010 *	15,000	39	<5.0	26	<5.0	---	---	20.70	6.14	14.56	---	---
S-9	7/22/2010	7,900	21	<5.0	19	<5.0	---	---	20.70	6.89	13.81	---	---
S-9	**2/1/2011**	**12,000**	**28**	**2.6**	**41**	**<5.0**	**---**	**---**	**20.70**	**5.86**	**14.84**	**---**	**---**
S-10	11/16/1988	330	0.5	<1	1.0	11	---	---	20.86	7.91	12.95	---	---
S-10	2/27/1989	140	<0.5	<3	2.0	6.0	---	---	20.86	---	---	---	---
S-10	5/3/1989	220	<0.5	1.0	2.0	7.0	---	---	20.86	---	---	---	---
S-10	8/10/1989	<50	<0.5	<1	<1	<3	---	---	20.86	7.94	12.92	---	---
S-10	10/9/1989	170	<0.5	<1	<1	<3	---	---	20.86	7.99	12.87	---	---
S-10	1/25/1990	<50	<0.5	<0.5	1.1	4.0	---	---	20.86	7.56	13.30	---	---
S-10	4/18/1990	<50	<0.5	0.9	<0.5	2.0	---	---	20.86	7.71	13.15	---	---
S-10	7/23/1990	590	<0.5	<0.5	1.9	19	---	---	20.86	7.64	13.22	---	---
S-10	10/18/1990	140	<0.5	0.7	<0.5	7.0	---	---	20.86	8.58	12.28	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-10	1/28/1991	<50	<0.5	<0.5	<0.5	0.5	---	---	20.86	8.35	12.51	---	---
S-10	4/25/1991	<50	<0.5	<0.5	1.1	0.8	---	---	20.69	6.91	13.78	---	---
S-10	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.69	8.14	12.55	---	---
S-10	10/8/1991	140	<0.5	<0.5	<0.5	<0.5	---	---	20.69	8.70	11.99	---	---
S-10	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.69	7.57	13.12	---	---
S-10	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.69	7.20	13.49	---	---
S-10	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.69	8.17	12.52	---	---
S-10	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.69	8.68	12.01	---	---
S-10	1/13/1993	88	<0.5	0.6	0.6	<0.5	---	---	20.69	3.78	16.91	---	---
S-10	4/16/1993	80	<0.5	<0.5	<0.5	<0.5	---	---	20.69	6.46	14.23	---	---
S-10	7/23/1993	<50	1.5	<0.5	0.7	2.7	---	---	20.69	7.38	13.31	---	---
S-10	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.69	8.09	12.60	---	---
S-10	1/27/1994	270	1.1	1.3	2.0	7.4	---	---	20.69	5.81	14.88	---	---
S-10	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.15	6.82	13.33	---	---
S-10	7/26/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	20.15	7.40	12.75	---	---
S-10	10/28/1994	<50	2.4	<0.3	0.5	0.8	---	---	20.15	7.62	12.53	---	---
S-10	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.15	6.13	14.02	---	---
S-10	4/14/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.15	5.60	14.55	---	---
S-10	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.15	6.44	13.71	---	---
S-10	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.15	6.85	13.30	---	---
S-10	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	---	20.15	6.08	14.07	---	---
S-10	4/2/1996	---	---	---	---	---	---	---	20.15	5.21	14.94	---	---
S-10	7/9/1996	---	---	---	---	---	---	---	20.15	6.20	13.95	---	---
S-10	10/10/1996	---	---	---	---	---	---	---	20.15	6.92	13.23	---	---
S-10	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.15	4.64	15.51	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-10	4/8/1997	---	---	---	---	---	---	---	20.15	5.82	14.33	---	---
S-10	7/21/1997	---	---	---	---	---	---	---	20.15	6.48	13.67	---	---
S-10	10/8/1997	---	---	---	---	---	---	---	20.15	5.48	14.67	---	---
S-10	1/15/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.15	3.01	17.14	---	---
S-10	4/14/1998	---	---	---	---	---	---	---	20.15	4.30	15.85	---	---
S-10	7/14/1998	---	---	---	---	---	---	---	20.15	5.84	14.31	---	---
S-10	10/20/1998	---	---	---	---	---	---	---	20.15	6.89	13.26	---	---
S-10	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	20.15	6.00	14.15	---	---
S-10	4/8/1999	---	---	---	---	---	---	---	20.15	4.41	15.74	---	---
S-10	7/23/1999	---	---	---	---	---	---	---	20.15	6.48	13.67	---	---
S-10	10/26/1999	---	---	---	---	---	---	---	20.15	7.07	13.08	---	---
S-10	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.15	7.27	12.88	---	---
S-10	4/14/2000	---	---	---	---	---	---	---	20.15	5.75	14.40	---	---
S-10	7/12/2000	---	---	---	---	---	---	---	20.15	6.17	13.98	---	---
S-10	11/1/2000	---	---	---	---	---	---	---	20.15	5.63	14.52	---	---
S-10	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.15	6.89	13.26	---	---
S-10	4/24/2001	---	---	---	---	---	---	---	20.15	6.20	13.95	---	---
S-10	7/2/2001	---	---	---	---	---	---	---	20.15	6.80	13.35	---	---
S-10	11/2/2001	---	---	---	---	---	---	---	20.15	7.40	12.75	---	---
S-10	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.15	5.66	14.49	---	---
S-10	4/1/2002	---	---	---	---	---	---	---	20.15	5.63	14.52	---	---
S-10	7/11/2002	---	---	---	---	---	---	---	20.15	6.72	13.43	---	---
S-10	10/28/2002	---	---	---	---	---	---	---	20.14	7.50	12.64	---	---
S-10	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.14	5.97	14.17	---	---
S-10	4/30/2003	---	---	---	---	---	---	---	20.14	5.24	14.90	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-10	7/1/2003	---	---	---	---	---	---	---	20.14	6.82	13.32	---	---
S-10	10/8/2003	---	---	---	---	---	---	---	20.14	7.06	13.08	---	---
S-10	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.14	6.50	13.64	---	---
S-10	7/13/2004	---	---	---	---	---	---	---	20.14	7.49	12.65	---	---
S-10	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.14	5.09	15.05	---	---
S-10	7/19/2005	---	---	---	---	---	---	---	20.14	6.00	14.14	---	---
S-10	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	20.14	5.61	14.53	---	---
S-10	7/25/2006	---	---	---	---	---	---	---	20.14	6.61	13.53	---	---
S-10	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.14	6.29	13.85	---	---
S-10	7/24/2007	---	---	---	---	---	---	---	20.14	6.82	13.32	---	---
S-10	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	20.14	5.33	14.81	---	---
S-10	8/4/2008	---	---	---	---	---	---	---	20.14	6.65	13.49	---	---
S-10	1/8/2009	120	<0.50	<1.0	<1.0	<1.0	---	---	20.14	6.61	13.53	---	---
S-10	7/21/2009	---	---	---	---	---	---	---	20.14	7.06	13.08	---	---
S-10	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.14	6.38	13.76	---	---
S-10	7/22/2010	---	---	---	---	---	---	---	20.14	6.88	13.26	---	---
S-10	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.14**	**6.32**	**13.82**	**---**	**---**
S-11	11/16/1988	<50	<0.5	<1	<1	<3	---	---	21.26	8.62	12.64	---	---
S-11	2/27/1989	<50	<0.5	<1	<1	<3	---	---	21.26	---	---	---	---
S-11	5/3/1989	<50	<0.5	<1	<1	<3	---	---	21.26	---	---	---	---
S-11	8/10/1989	<50	<0.5	<1	<1	<3	---	---	21.26	8.65	12.61	---	---
S-11	10/9/1989	<50	<0.5	<1	<1	<3	---	---	21.26	8.64	12.62	---	---
S-11	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.26	8.43	12.83	---	---
S-11	4/18/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.26	8.42	12.84	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-11	7/23/1990	<50	<0.5	0.6	<0.5	1.1	---	---	21.26	8.23	13.03	---	---
S-11	10/18/1990	<50	<0.5	<0.5	<0.5	0.5	---	---	21.26	9.20	12.06	---	---
S-11	1/28/1991	63	<0.5	3.3	0.9	7.0	---	---	21.26	9.13	12.13	---	---
S-11	4/25/1991	<50	<0.5	<0.5	0.8	<0.5	---	---	21.26	7.53	13.73	---	---
S-11	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.26	8.85	12.41	---	---
S-11	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.26	9.34	11.92	---	---
S-11	2/5/1991	---	---	---	---	---	---	---	21.26	8.50	12.76	---	---
S-11	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.26	7.80	13.46	---	---
S-11	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.26	8.80	12.46	---	---
S-11	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.26	9.42	11.84	---	---
S-11	1/13/1993	---	---	---	---	---	---	---	21.26	6.52	14.74	---	---
S-11	4/16/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.26	6.86	14.40	---	---
S-11	7/23/1993	---	---	---	---	---	---	---	21.26	8.07	13.19	---	---
S-11	10/27/1993	Well inaccessible		---	---	---	---	---	21.26	---	---	---	---
S-11	1/27/1994	---	---	---	---	---	---	---	21.26	---	---	---	---
S-11	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.24	7.73	13.51	---	---
S-11	7/26/1994	---	---	---	---	---	---	---	21.24	8.30	12.94	---	---
S-11	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	21.24	8.30	12.94	---	---
S-11	1/2/1995	---	---	---	---	---	---	---	21.24	7.25	13.99	---	---
S-11	4/14/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.24	6.99	14.25	---	---
S-11	7/28/1995	---	---	---	---	---	---	---	21.24	7.21	14.03	---	---
S-11	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.24	7.41	13.83	---	---
S-11	1/11/1996	---	---	---	---	---	---	---	21.24	6.80	14.44	---	---
S-11	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	21.24	7.28	13.96	---	---
S-11	03/18/2002 d	---	---	---	---	---	---	---	21.27	---	---	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-11	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	0.57	21.27	7.55	13.72	---	---
S-12	11/16/1988	50	3.5	<1	<1	<3	---	---	21.05	---	---	---	---
S-12	2/27/1989	<50	0.8	<1	<1	<3	---	---	21.05	---	---	---	---
S-12	5/3/1989	<50	<0.5	<1	<1	<3	---	---	21.05	---	---	---	---
S-12	8/10/1989	<50	<0.5	<1	<1	<3	---	---	21.05	8.32	12.73	---	---
S-12	10/9/1989	<50	<0.5	<1	<1	<1	---	---	21.05	8.32	12.73	---	---
S-12	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	21.05	8.18	12.87	---	---
S-12	4/18/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.05	13.00	---	---
S-12	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.05	7.92	13.13	---	---
S-12	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.90	12.15	---	---
S-12	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.54	12.51	---	---
S-12	4/25/1991	90	5.4	<0.5	1.1	0.7	---	---	21.05	7.08	13.97	---	---
S-12	7/9/1991	<50	2.9	<0.5	<0.5	<0.5	---	---	21.05	8.42	12.63	---	---
S-12	10/8/1991	50	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.80	12.25	---	---
S-12	2/5/1992	50a	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.07	12.98	---	---
S-12	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.33	12.72	---	---
S-12	7/27/1992	94	<0.5	<0.5	<0.5	<0.5	---	---	21.05	8.55	12.50	---	---
S-12	10/26/1992	86	<0.5	<0.5	<0.5	<0.5	---	---	21.05	9.03	12.02	---	---
S-12	1/14/1993	120	2.0	<0.5	<0.5	<0.5	---	---	21.05	6.38	14.67	---	---
S-12	4/16/1993	60	<0.5	<0.5	<0.5	<0.5	---	---	21.05	6.56	14.49	---	---
S-12	7/23/1993	90	<0.5	<0.5	<0.5	<0.5	---	---	21.05	7.76	13.29	---	---
S-12	10/27/1993	Well inaccessible		---	---	---	---	---	21.05	---	---	---	---
S-12	1/27/1994	Well inaccessible		---	---	---	---	---	21.05	---	---	---	---
S-12	5/5/1994	<50	2.0	<0.5	<0.5	<0.5	---	---	20.71	7.49	13.22	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-12	7/26/1994	128	<0.3	<0.3	<0.3	<0.6	---	---	20.71	7.92	12.79	---	---
S-12	10/28/1994	167	<0.3	<0.3	<0.3	<0.6	---	---	20.71	7.78	12.93	---	---
S-12	1/2/1995	50	<0.5	<0.5	<0.5	<0.5	---	---	20.71	7.33	13.38	---	---
S-12	4/14/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.71	6.47	14.24	---	---
S-12	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.71	6.90	13.81	---	---
S-12	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.71	7.16	13.55	---	---
S-12	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	82	---	20.71	6.65	14.06	---	---
S-12	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	45	---	20.71	6.95	13.76	---	---
S-12	03/18/2002 d	---	---	---	---	---	---	---	20.73	---	---	---	---
S-12	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	0.58	20.73	7.30	13.43	---	---
S-13	5/3/1989	150	4.9	4.0	2.0	14	---	---	20.57	---	---	---	---
S-13	8/10/1989	110	2.9	<1	<1	<3	---	---	20.57	8.00	12.57	---	---
S-13	10/9/1989	77	1.4	<1	<1	<3	---	---	20.57	7.95	12.62	---	---
S-13	1/25/1990	51	0.5	<0.5	<0.5	<1	---	---	20.57	7.79	12.78	---	---
S-13	4/18/1990	85	8.7	<0.5	<0.5	<1	---	---	20.57	7.73	12.84	---	---
S-13	7/23/1990	80	0.8	<0.5	<0.5	<0.5	---	---	20.57	7.63	12.94	---	---
S-13	10/18/1990	130	<0.5	<0.5	<0.5	<5	---	---	20.57	8.58	11.99	---	---
S-13	1/28/1991	<50	<0.5	0.9	1.2	1.0	---	---	20.57	8.39	12.18	---	---
S-13	4/25/1991	440a	3.8	<0.5	<0.5	0.6	---	---	20.57	7.00	13.57	---	---
S-13	7/9/1991	320a	0.6	<0.5	<0.5	<0.5	---	---	20.57	8.12	12.45	---	---
S-13	10/8/1991	310	<0.5	<0.5	<0.5	<0.5	---	---	20.57	8.69	11.88	---	---
S-13	2/5/1992	---	---	---	---	---	---	---	20.57	7.62	12.95	---	---
S-13	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.57	7.15	13.42	---	---
S-13	7/27/1992	---	---	---	---	---	---	---	20.57	8.20	12.37	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-13	10/26/1992	180	<0.5	<0.5	<0.5	<0.5	---	---	20.57	8.73	11.84	---	---
S-13	1/13/1993	---	---	---	---	---	---	---	20.57	5.06	15.51	---	---
S-13	4/16/1993	240	4.8	<0.5	1.3	<0.5	---	---	20.57	6.38	14.19	---	---
S-13	7/23/1993	---	---	---	---	---	---	---	20.57	7.45	13.12	---	---
S-13	10/27/1993	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
S-13	1/27/1994	---	---	---	---	---	---	---	20.57	---	---	---	---
S-13	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.16	6.91	13.25	---	---
S-13	7/26/1994	---	---	---	---	---	---	---	20.16	7.52	12.64	---	---
S-13	10/28/1994	368	<0.3	<0.3	<0.3	<0.6	---	---	20.16	7.68	12.48	---	---
S-13	1/2/1995	---	---	---	---	---	---	---	20.16	6.37	13.79	---	---
S-13	4/14/1995	---	---	---	---	---	---	---	20.16	5.81	14.35	---	---
S-13	7/28/1995	---	---	---	---	---	---	---	20.16	6.73	13.43	---	---
S-13	10/17/1995	<50	1.0	<0.5	<0.5	<0.5	---	---	20.16	6.94	13.22	---	---
S-13	1/11/1996	---	---	---	---	---	---	---	20.16	6.20	13.96	---	---
S-13	4/2/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	---	20.16	5.28	14.88	---	---
S-13	7/9/1996	---	---	---	---	---	---	---	20.16	6.35	13.81	---	---
S-13	10/10/1996	<50	<0.50	<0.50	<0.50	<0.50	210	160	20.16	7.04	13.12	---	---
S-13	1/9/1997	---	---	---	---	---	---	---	20.16	5.19	14.97	---	---
S-13	4/8/1997	<50	<0.50	<0.50	<0.50	<0.50	81	---	20.16	6.62	13.54	---	---
S-13	7/21/1997	---	---	---	---	---	---	---	20.16	6.76	13.40	---	---
S-13	10/8/1997	<50	<0.50	<0.50	<0.50	<0.50	110	---	20.16	7.05	13.11	---	---
S-13	1/15/1998	---	---	---	---	---	---	---	20.16	5.27	14.89	---	---
S-13	4/14/1998	<50	<0.50	<0.50	<0.50	<0.50	3.2	---	20.16	5.24	14.92	---	---
S-13	7/14/1998	---	---	---	---	---	---	---	20.16	5.48	14.68	---	---
S-13	10/20/1998	---	---	---	---	---	---	---	20.16	7.08	13.08	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-13	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	92.2	---	20.16	6.65	13.51	---	---
S-13	4/8/1999	---	---	---	---	---	---	---	20.16	5.61	14.55	---	---
S-13	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	20.16	6.78	13.38	---	---
S-13	10/26/1999	---	---	---	---	---	---	---	20.16	7.33	12.83	---	---
S-13	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.16	7.51	12.65	---	---
S-13	4/14/2000	---	---	---	---	---	---	---	20.16	6.08	14.08	---	---
S-13	7/12/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.16	6.50	13.66	---	---
S-13	11/1/2000	---	---	---	---	---	---	---	20.16	6.10	14.06	---	---
S-13	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	21.2	23.9	20.16	7.09	13.07	---	---
S-13	4/24/2001	Well inaccessible		---	---	---	---	---	20.16	---	---	---	---
S-13	7/2/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.16	7.13	13.03	---	---
S-13	11/2/2001	---	---	---	---	---	---	---	20.16	7.38	12.78	---	---
S-13	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	5.9	20.16	6.02	14.14	---	---
S-13	4/1/2002	---	---	---	---	---	---	---	20.16	6.26	13.90	---	---
S-13	7/11/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.16	7.00	13.16	---	---
S-13	10/28/2002	---	---	---	---	---	---	---	20.19	7.70	12.49	---	---
S-13	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	110	20.19	6.41	13.78	---	---
S-13	4/30/2003	---	---	---	---	---	---	---	20.19	6.12	14.07	---	---
S-13	7/1/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	20.19	7.65	12.54	---	1.4
S-13	10/8/2003	---	---	---	---	---	---	---	20.19	7.32	12.87	---	---
S-13	1/22/2004	<250	<2.5	<2.5	<2.5	<5.0	---	---	20.19	6.60	13.59	---	---
S-13	7/13/2004	---	---	---	---	---	---	---	20.19	6.60	13.59	---	e
S-13	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.19	6.56	13.63	---	---
S-13	7/19/2005	---	---	---	---	---	---	---	20.19	6.15	14.04	---	---
S-13	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	20.19	6.42	13.77	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-13	7/25/2006	---	---	---	---	---	---	---	20.19	7.51	12.68	---	---
S-13	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.19	6.85	13.34	---	---
S-13	7/24/2007	---	---	---	---	---	---	---	20.19	7.39	12.80	---	---
S-13	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	20.19	6.00	14.19	---	---
S-13	8/4/2008	---	---	---	---	---	---	---	20.19	7.46	12.73	---	---
S-13	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.19	6.71	13.48	---	---
S-13	7/21/2009	---	---	---	---	---	---	---	20.19	7.26	12.93	---	---
S-13	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.19	6.25	13.94	---	---
S-13	7/22/2010	---	---	---	---	---	---	---	20.19	7.01	13.18	---	---
S-13	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.19**	**6.53**	**13.66**	**---**	**---**
S-14	5/3/1989	5300	750	400	200	800	---	---	20.44	---	---	---	---
S-14	8/10/1989	1800	540	140	42	50	---	---	20.44	7.58	12.86	---	---
S-14	10/9/1989	1000	360	60	20	30	---	---	20.44	7.62	12.82	---	---
S-14	1/25/1990	640	160	77	17	39	---	---	20.44	7.82	12.62	---	---
S-14	4/18/1990	1200	200	110	30	96	---	---	20.44	7.37	13.07	---	---
S-14	7/23/1990	5000	430	340	140	660	---	---	20.44	7.28	13.16	---	---
S-14	10/18/1990	1800	770	13	17	120	---	---	20.44	8.10	12.34	---	---
S-14	1/28/1991	720	200	36	21	78	---	---	20.44	8.04	12.40	---	---
S-14	4/25/1991	14000	930	430	250	970	---	---	20.44	6.40	14.04	---	---
S-14	7/9/1991	160	30	5.3	5	16	---	---	20.44	7.69	12.75	---	---
S-14	10/8/1991	5400	81	57	95	380	---	---	20.44	8.24	12.20	---	---
S-14	2/2/1992	---	---	---	---	---	---	---	20.44	7.20	13.24	---	---
S-14	4/28/1992	2000	270	140	48	170	---	---	20.44	9.75	10.69	---	---
S-14	10/26/1992	920	33	12	25	88	---	---	20.44	8.32	12.12	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-14	1/13/1993	---	---	---	---	---	---	---	20.44	5.07	15.37	---	---
S-14	4/16/1993	4500	1100	29	91	170	---	---	20.44	5.86	14.58	---	---
S-14	7/23/1993	---	---	---	---	---	---	---	20.44	7.06	13.38	---	---
S-14	10/27/1993	Well inaccessible		---	---	---	---	---	20.44	---	---	---	---
S-14	1/27/1994	---	---	---	---	---	---	---	20.44	---	---	---	---
S-14	5/5/1994	810	250	<2.5	9.4	19	---	---	19.99	6.48	13.51	---	---
S-14	7/26/1994	---	---	---	---	---	---	---	19.99	7.04	12.95	---	---
S-14	10/28/1994	5385	290.6	85.8	49.7	186.2	---	---	19.99	7.07	12.92	---	---
S-14	1/2/1995	---	---	---	---	---	---	---	19.99	5.95	14.04	---	---
S-14	4/14/1995	1600	40	4.7	11	20	---	---	19.99	5.22	14.77	---	---
S-14	7/28/1995	---	---	---	---	---	---	---	19.99	6.21	13.78	---	---
S-14	10/17/1995	1200	37	<0.5	7.8	11	---	---	19.99	6.30	13.69	---	---
S-14	1/11/1996	---	---	---	---	---	---	---	19.99	5.70	14.29	---	---
S-14	7/21/1997	220	71	0.71	1.3	1.3	100	---	19.99	6.14	13.85	---	---
S-14	03/18/2002 d	---	---	---	---	---	---	---	20.01	---	---	---	---
S-14	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	55	20.01	6.20	13.81	---	---
S-15	5/3/1989	<50	<0.5	<1	<1	<3	---	---	22.22	---	---	---	---
S-15	8/10/1989	<50	<0.5	<1	<1	<3	---	---	22.22	8.48	13.74	---	---
S-15	10/9/1989	<50	<0.5	<1	<1	<3	---	---	22.22	8.46	13.76	---	---
S-15	1/25/1990	<50	<0.5	<1	<1	<1	---	---	22.22	8.34	13.88	---	---
S-15	4/18/1990	<50	<0.5	<0.5	<0.5	<1	---	---	22.22	8.45	13.77	---	---
S-15	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	8.22	14.00	---	---
S-15	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	9.11	13.11	---	---
S-15	1/28/1991	<50	<0.5	0.6	<0.5	0.8	---	---	22.22	9.13	13.09	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-15	4/25/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	7.83	14.39	---	---
S-15	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	8.93	13.29	---	---
S-15	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	9.26	12.96	---	---
S-15	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	8.60	13.62	---	---
S-15	4/28/1992	50	0.8	0.9	<0.5	1.4	---	---	22.22	8.09	14.13	---	---
S-15	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	8.83	13.39	---	---
S-15	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	9.31	12.91	---	---
S-15	1/14/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	22.22	6.64	15.58	---	---
S-15	4/16/1993	<50	0.6	1.0	<0.5	0.7	---	---	22.22	7.14	15.08	---	---
S-15	7/23/1993	<50	1.2	<0.5	<0.5	1.6	---	---	22.22	8.23	13.99	---	---
S-15	10/27/1993	Well inaccessible		---	---	---	---	---	22.22	---	---	---	---
S-15	1/27/1994	Well inaccessible		---	---	---	---	---	22.22	---	---	---	---
S-15	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.42	7.57	13.85	---	---
S-15	7/26/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	21.42	8.16	13.26	---	---
S-15	10/28/1994	<50	0.3	<0.3	<0.3	<0.6	---	---	21.42	7.87	13.55	---	---
S-15	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.42	7.02	14.40	---	---
S-15	4/14/1995	---	---	---	---	---	---	---	21.42	6.19	15.23	---	---
S-15	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.42	6.72	14.70	---	---
S-15	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.42	7.04	14.38	---	---
S-15	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	---	21.42	6.40	15.02	---	---
S-15	03/18/2002 d	---	---	---	---	---	---	---	21.47	---	---	---	---
S-15	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	21.47	7.07	14.40	---	---
S-16	5/4/1994	380	44	3.0	2.0	<3	---	---	21.82	---	---	---	---
S-16	8/10/1989	<50	0.6	<1	<1	<3	---	---	21.82	8.36	13.46	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-16	10/10/1989	<5	<0.5	<1	<1	<3	---	---	21.82	8.23	13.59	---	---
S-16	1/25/1990	240	160	3.3	0.8	11	---	---	21.82	7.88	13.94	---	---
S-16	4/18/1990	<50	1.0	<0.5	<0.5	<1	---	---	21.82	8.19	13.63	---	---
S-16	7/23/1990	<50	1.1	<0.5	<0.5	<0.5	---	---	21.82	8.09	13.73	---	---
S-16	10/18/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.82	8.90	12.92	---	---
S-16	1/28/1991	<50	<0.5	0.6	<0.5	0.9	---	---	21.82	8.55	13.27	---	---
S-16	4/25/1991	60	21	0.5	3.2	4.8	---	---	21.82	7.48	14.34	---	---
S-16	7/9/1991	<50	1.0	<0.5	<0.5	<0.5	---	---	21.82	8.48	13.34	---	---
S-16	10/8/1991	50	17	1.4	1.2	5.5	---	---	21.82	8.95	12.87	---	---
S-16	2/5/1992	150	65	0.7	<0.5	8.4	---	---	21.82	8.20	13.62	---	---
S-16	4/28/1992	<50	13	<0.5	<0.5	<0.5	---	---	21.82	7.80	14.02	---	---
S-16	7/27/1992	510	130	<2.5	<0.5	21	---	---	21.82	8.29	13.53	---	---
S-16	10/26/1992	<50	<0.5	<0.5	<2.5	<0.5	---	---	21.82	9.02	12.80	---	---
S-16	1/13/1993	100	25	1.9	<0.5	8.4	---	---	21.82	5.78	16.04	---	---
S-16	4/16/1993	150	56	1.8	4.6	12	---	---	21.82	6.80	15.02	---	---
S-16	7/23/1993	<50	0.9	<0.5	<0.5	<0.5	---	---	21.82	7.67	14.15	---	---
S-16	10/27/1993	<50	1.5	<0.5	<0.5	<0.5	---	---	21.82	8.52	13.30	---	---
S-16	1/27/1994	140	85	<1	<1	13	---	---	21.82	7.20	14.62	---	---
S-16	5/5/1994	71	25	<0.5	<0.5	4.2	---	---	21.24	7.76	13.48	---	---
S-16	7/26/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	21.24	7.84	13.40	---	---
S-16	10/28/1994	<50	11.5	<0.3	<0.3	1.8	---	---	21.24	7.97	13.27	---	---
S-16	1/2/1995	70	64	<0.5	<0.5	4.0	---	---	21.24	6.49	14.75	---	---
S-16	4/14/1995	---	---	---	---	---	---	---	21.24	6.08	15.16	---	---
S-16	7/28/1995	<50	1.7	<0.5	<0.5	<0.5	---	---	21.24	7.00	14.24	---	---
S-16	10/17/1995	<50	4.6	<0.5	<0.5	<0.5	---	---	21.24	7.15	14.09	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-16	1/11/1996	80	17	0.7	<0.5	2.9	<2	---	21.24	6.30	14.94	---	---
S-16	4/2/1996	---	---	---	---	---	---	---	21.24	5.84	15.40	---	---
S-16	7/9/1996	---	---	---	---	---	---	---	21.24	6.72	14.52	---	---
S-16	10/10/1996	---	---	---	---	---	---	---	21.24	7.41	13.83	---	---
S-16	1/9/1997	80	18	<0.50	1.7	4.8	<2.5	---	21.24	5.60	15.64	---	---
S-16	4/8/1997	---	---	---	---	---	---	---	21.24	7.34	13.90	---	---
S-16	7/21/1997	---	---	---	---	---	---	---	21.24	7.20	14.04	---	---
S-16	10/8/1997	---	---	---	---	---	---	---	21.24	7.34	13.90	---	---
S-16	1/15/1998	650	160	2.7	8.7	62	<12	---	21.24	4.79	16.45	---	---
S-16	4/14/1998	---	---	---	---	---	---	---	21.24	5.27	15.97	---	---
S-16	7/14/1998	---	---	---	---	---	---	---	21.24	6.32	14.92	---	---
S-16	10/20/1998	---	---	---	---	---	---	---	21.24	6.94	14.30	---	---
S-16	1/22/1999	Well inaccessible		---	---	---	---	---	21.24	---	---	---	---
S-16	4/8/1999	---	---	---	---	---	---	---	21.24	5.80	15.44	---	---
S-16	7/23/1999	---	---	---	---	---	---	---	21.24	6.62	14.62	---	---
S-16	10/26/1999	---	---	---	---	---	---	---	21.24	7.42	13.82	---	---
S-16	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	21.24	7.34	13.90	---	---
S-16	4/14/2000	---	---	---	---	---	---	---	21.24	6.27	14.97	---	---
S-16	7/12/2000	---	---	---	---	---	---	---	21.24	7.02	14.22	---	---
S-16	11/1/2000	---	---	---	---	---	---	---	21.24	6.79	14.45	---	---
S-16	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	3.05	---	21.24	7.18	14.06	---	---
S-16	4/24/2001	---	---	---	---	---	---	---	21.24	6.85	14.39	---	---
S-16	7/2/2001	---	---	---	---	---	---	---	21.24	7.51	13.73	---	---
S-16	11/2/2001	---	---	---	---	---	---	---	21.24	7.68	13.56	---	---
S-16	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.24	6.40	14.84	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-16	4/1/2002	---	---	---	---	---	---	---	21.24	6.33	14.91	---	---
S-16	7/11/2002	---	---	---	---	---	---	---	21.24	7.39	13.85	---	---
S-16	10/28/2002	---	---	---	---	---	---	---	21.30	8.00	13.30	---	---
S-16	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	21.30	6.36	14.94	---	---
S-16	4/30/2003	---	---	---	---	---	---	---	21.30	6.03	15.27	---	---
S-16	7/1/2003	---	---	---	---	---	---	---	21.30	7.28	14.02	---	---
S-16	10/8/2003	---	---	---	---	---	---	---	21.30	7.77	13.53	---	---
S-16	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.30	6.80	14.50	---	---
S-16	7/13/2004	---	---	---	---	---	---	---	21.30	7.94	13.36	---	---
S-16	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.30	5.62	15.68	---	---
S-16	7/19/2005	---	---	---	---	---	---	---	21.30	6.53	14.77	---	---
S-16	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	21.30	6.05	15.25	---	---
S-16	7/25/2006	---	---	---	---	---	---	---	21.30	7.19	14.11	---	---
S-16	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	21.30	6.89	14.41	---	---
S-16	7/24/2007	---	---	---	---	---	---	---	21.30	7.60	13.70	---	---
S-16	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	21.30	5.82	15.48	---	---
S-16	8/4/2008	---	---	---	---	---	---	---	21.30	7.55	13.75	---	---
S-16	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.30	7.16	14.14	---	---
S-16	7/21/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.30	7.69	13.61	---	---
S-16	07/21/2009*	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.30	7.69	13.61	---	---
S-16	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	21.30	6.99	14.31	---	---
S-16	7/22/2010	---	---	---	---	---	---	---	21.30	7.42	13.88	---	---
S-16	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**21.30**	**6.66**	**14.64**	**---**	**---**
S-17	5/3/1989	<50	<0.5	<1	<1	<3	---	---	20.95	---	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-17	8/10/1989	<50	<0.5	<1	<1	<3	---	---	20.95	8.13	12.82	---	---
S-17	10/9/1989	<50	<0.5	<1	<1	<3	---	---	20.95	8.18	12.77	---	---
S-17	1/25/1990	<50	<0.5	<0.5	<0.5	<1	---	---	20.95	7.60	13.35	---	---
S-17	4/18/1990	<50	<0.5	<0.5	<0.5	<1	---	---	20.95	7.95	13.00	---	---
S-17	7/23/1990	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	7.87	13.08	---	---
S-17	10/18/1990	390	10	62	22	110	---	---	20.95	8.71	12.24	---	---
S-17	1/28/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	8.54	12.41	---	---
S-17	4/25/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	7.15	13.80	---	---
S-17	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	8.24	12.71	---	---
S-17	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	8.86	12.09	---	---
S-17	2/5/1992	---	---	---	---	---	---	---	20.95	7.74	13.21	---	---
S-17	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	7.41	13.54	---	---
S-17	7/27/1992	---	---	---	---	---	---	---	20.95	8.34	12.61	---	---
S-17	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	8.87	12.08	---	---
S-17	1/13/1993	---	---	---	---	---	---	---	20.95	3.43	17.52	---	---
S-17	4/16/1993	130	<0.5	<0.5	<0.5	<0.5	---	---	20.95	6.70	14.25	---	---
S-17	7/23/1993	---	---	---	---	---	---	---	20.95	7.53	13.42	---	---
S-17	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.95	8.29	12.66	---	---
S-17	1/27/1994	---	---	---	---	---	---	---	20.95	5.78	15.17	---	---
S-17	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.45	6.99	13.46	---	---
S-17	7/26/1994	---	---	---	---	---	---	---	20.45	7.62	12.83	---	---
S-17	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	20.45	7.91	12.54	---	---
S-17	1/2/1995	---	---	---	---	---	---	---	20.45	6.33	14.12	---	---
S-17	4/14/1995	---	---	---	---	---	---	---	20.45	5.53	14.92	---	---
S-17	7/28/1995	---	---	---	---	---	---	---	20.45	6.75	13.70	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-17	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.45	7.15	13.30	---	---
S-17	1/11/1996	---	---	---	---	---	---	---	20.45	6.37	14.08	---	---
S-17	4/2/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	---	20.45	5.31	15.14	---	---
S-17	7/9/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	6.30	14.15	---	---
S-17	10/10/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	7.80	12.65	---	---
S-17	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	4.80	15.65	---	---
S-17	4/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	6.83	13.62	---	---
S-17 (D)	4/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	---	---	---	---
S-17	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	6.78	13.67	---	---
S-17	10/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	6.80	13.65	---	---
S-17	1/15/1998	380	<0.50	<0.50	<0.50	0.94	<2.5	---	20.45	2.91	17.54	---	---
S-17	4/14/1998	160	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	4.47	15.98	---	---
S-17	7/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	6.45	14.00	---	---
S-17	10/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.45	7.11	13.34	---	---
S-17	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	20.45	6.01	14.44	---	---
S-17	4/8/1999	145	<0.500	<0.500	<0.500	<0.500	<5.00	---	20.45	4.69	15.76	---	---
S-17	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	20.45	6.60	13.85	---	---
S-17	10/26/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.45	6.68	13.77	---	---
S-17	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.45	7.20	13.25	---	---
S-17	4/14/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.45	5.88	14.57	---	---
S-17	7/12/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.45	6.45	14.00	---	---
S-17	11/1/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.45	5.45	15.00	---	---
S-17	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.45	7.22	13.23	---	---
S-17	4/24/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	20.45	6.10	14.35	---	---
S-17	7/2/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.45	6.95	13.50	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-17	11/2/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.45	7.50	12.95	---	---
S-17	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.45	5.76	14.69	---	---
S-17	4/1/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.45	6.02	14.43	---	---
S-17	7/11/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.45	6.97	13.48	---	---
S-17	10/28/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	20.44	7.60	12.84	---	0.9
S-17	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.44	5.77	14.67	---	---
S-17	4/30/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	20.44	5.35	15.09	---	---
S-17	7/1/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	20.44	6.95	13.49	---	1.1
S-17	10/8/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	20.44	7.01	13.43	---	---
S-17	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.44	6.57	13.87	---	---
S-17	7/13/2004	---	---	---	---	---	---	---	20.36 f	7.71	12.65	---	---
S-17	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.36 f	5.09	15.27	---	---
S-17	7/19/2005	---	---	---	---	---	---	---	20.36	6.30	14.06	---	---
S-17	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	20.36	5.50	14.86	---	---
S-17	7/25/2006	---	---	---	---	---	---	---	20.36	6.84	13.52	---	---
S-17	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.36	6.15	14.21	---	---
S-17	7/24/2007	---	---	---	---	---	---	---	20.36	6.92	13.44	---	---
S-17	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	20.36	5.05	15.31	---	---
S-17	8/4/2008	---	---	---	---	---	---	---	20.36	6.96	13.40	---	---
S-17	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.36	6.56	13.80	---	---
S-17	7/21/2009	---	---	---	---	---	---	---	20.36	7.23	13.13	---	---
S-17	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.36	6.38	13.98	---	---
S-17	7/22/2010	---	---	---	---	---	---	---	20.36	7.12	13.24	---	---
S-17	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.36**	**6.46**	**13.90**	**---**	**---**

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-18	5/31/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	---	---	---	---
S-18	7/9/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	8.23	12.80	---	---
S-18	10/8/1991	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	8.84	12.19	---	---
S-18	2/5/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	7.67	13.36	---	---
S-18	4/28/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	7.40	13.63	---	---
S-18	7/27/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	8.38	12.65	---	---
S-18	10/26/1992	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	8.83	12.20	---	---
S-18	1/13/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	5.86	15.17	---	---
S-18	4/16/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	4.88	16.15	---	---
S-18	7/23/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	7.56	13.47	---	---
S-18	10/27/1993	<50	<0.5	<0.5	<0.5	<0.5	---	---	21.03	8.30	12.73	---	---
S-18	1/27/1994	<50	1.9	<0.5	<0.5	<0.5	---	---	21.03	6.84	14.19	---	---
S-18	5/5/1994	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.57	7.05	13.52	---	---
S-18	7/26/1994	<500	<3	1.1	<0.3	1.8	---	---	20.57	7.62	12.95	---	---
S-18	10/28/1994	<50	<0.3	<0.3	<0.3	<0.6	---	---	20.57	8.01	12.56	---	---
S-18	1/2/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.57	6.26	14.31	---	---
S-18	4/14/1995	---	---	---	---	---	---	---	20.57	4.85	15.72	---	---
S-18	7/28/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.57	5.80	14.77	---	---
S-18	10/17/1995	<50	<0.5	<0.5	<0.5	<0.5	---	---	20.57	7.22	13.35	---	---
S-18	1/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2	---	20.57	6.40	14.17	---	---
S-18	4/2/1996	---	---	---	---	---	---	---	20.57	4.80	15.77	---	---
S-18	7/9/1996	---	---	---	---	---	---	---	20.57	5.74	14.83	---	---
S-18	10/10/1996	---	---	---	---	---	---	---	20.57	6.06	14.51	---	---
S-18	1/9/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.57	4.70	15.87	---	---
S-18	4/8/1997	---	---	---	---	---	---	---	20.57	6.62	13.95	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-18	7/21/1997	---	---	---	---	---	---	---	20.57	6.94	13.63	---	---
S-18	10/8/1997	---	---	---	---	---	---	---	20.57	6.88	13.69	---	---
S-18	1/15/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.57	3.60	16.97	---	---
S-18	4/14/1998	---	---	---	---	---	---	---	20.57	4.28	16.29	---	---
S-18	7/14/1998	---	---	---	---	---	---	---	20.57	6.13	14.44	---	---
S-18	10/20/1998	---	---	---	---	---	---	---	20.57	7.20	13.37	---	---
S-18	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.00	---	20.57	6.00	14.57	---	---
S-18	4/8/1999	---	---	---	---	---	---	---	20.57	4.95	15.62	---	---
S-18	7/23/1999	---	---	---	---	---	---	---	20.57	6.03	14.54	---	---
S-18	10/26/1999	---	---	---	---	---	---	---	20.57	7.39	13.18	---	---
S-18	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.57	7.54	13.03	---	---
S-18	4/14/2000	---	---	---	---	---	---	---	20.57	4.41	16.16	---	---
S-18	7/12/2000	---	---	---	---	---	---	---	20.57	5.31	15.26	---	---
S-18	11/1/2000	---	---	---	---	---	---	---	20.57	6.42	14.15	---	---
S-18	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	3.67	---	20.57	7.30	13.27	---	---
S-18	4/24/2001	---	---	---	---	---	---	---	20.57	6.83	13.74	---	---
S-18	7/2/2001	---	---	---	---	---	---	---	20.57	7.23	13.34	---	---
S-18	11/2/2001	Unable to locate		---	---	---	---	---	20.57	---	---	---	---
S-18	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.57	6.15	14.42	---	---
S-18	4/1/2002	---	---	---	---	---	---	---	20.57	6.06	14.51	---	---
S-18	7/11/2002	---	---	---	---	---	---	---	20.57	6.98	13.59	---	---
S-18	10/28/2002	---	---	---	---	---	---	---	20.63	7.66	12.97	---	---
S-18	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.63	6.18	14.45	---	---
S-18	4/30/2003	---	---	---	---	---	---	---	20.63	5.32	15.31	---	---
S-18	7/1/2003	---	---	---	---	---	---	---	20.63	7.20	13.43	---	---

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-18	10/8/2003	---	---	---	---	---	---	---	20.63	7.48	13.15	---	---
S-18	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.63	6.74	13.89	---	---
S-18	7/13/2004	---	---	---	---	---	---	---	20.63	7.87	12.76	---	---
S-18	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.63	5.33	15.30	---	---
S-18	7/19/2005	---	---	---	---	---	---	---	20.63	6.55	14.08	---	---
S-18	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	20.63	5.89	14.74	---	---
S-18	7/25/2006	---	---	---	---	---	---	---	20.63	7.10	13.53	---	---
S-18	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.63	6.60	14.03	---	---
S-18	7/24/2007	---	---	---	---	---	---	---	20.63	7.13	13.50	---	---
S-18	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	20.63	5.25	15.38	---	---
S-18	8/4/2008	---	---	---	---	---	---	---	20.63	7.85	12.78	---	---
S-18	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.63	6.98	13.65	---	---
S-18	7/21/2009	---	---	---	---	---	---	---	20.63	7.43	13.20	---	---
S-18	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.63	6.67	13.96	---	---
S-18	7/22/2010	---	---	---	---	---	---	---	20.63	7.31	13.32	---	---
S-18	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.63**	**6.52**	**14.11**	**---**	**---**
S-19	10/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	---	20.11	6.41	13.70	---	---
S-19	1/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	90.6	---	20.11	5.42	14.69	---	---
S-19	4/8/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	20.11	4.61	15.50	---	---
S-19	7/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	---	20.11	5.86	14.25	---	---
S-19	10/26/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.11	6.28	13.83	---	---
S-19	1/3/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.11	6.62	13.49	---	---
S-19	4/14/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.11	4.31	15.80	---	---
S-19	7/12/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.11	5.46	14.65	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-19	11/1/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	---	20.11	5.05	15.06	---	---
S-19	1/3/2001	<50.0	<0.500	<0.500	<0.500	<0.500	9.61	---	20.11	6.00	14.11	---	---
S-19	4/24/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	20.11	5.58	14.53	---	---
S-19	7/2/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.11	6.34	13.77	---	3.4
S-19	11/2/2001	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.11	6.57	13.54	---	3.4
S-19	1/16/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.11	5.05	15.06	---	0.5
S-19	4/1/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.11	5.13	14.98	---	3.3
S-19	7/11/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.11	5.50	14.61	---	0.5
S-19	10/28/2002	<50	<0.50	<0.50	<0.50	<0.50	---	<0.50	20.10	6.35	13.75	---	0.6
S-19	1/23/2003	<50	<0.50	<0.50	<0.50	<0.50	---	<5.0	20.10	5.15	14.95	---	0.3
S-19	4/30/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<5.0	20.10	4.90	15.20	---	0.5
S-19	7/1/2003	<50	<0.50	<0.50	<0.50	<1.0	---	<0.50	20.10	5.50	14.60	---	1.7
S-19	10/8/2003	58	<0.50	<0.50	<0.50	<1.0	---	<0.50	20.10	6.63	13.47	---	0.4
S-19	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.10	5.67	14.43	---	0.6
S-19	7/13/2004	---	---	---	---	---	---	---	20.10	6.82	13.28	---	1.0
S-19	1/20/2005	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.10	4.75	15.35	---	0.6
S-19	7/19/2005	---	---	---	---	---	---	---	20.10	5.15	14.95	---	---
S-19	1/27/2006	<50.0	<0.500	<0.500	<0.500	<0.500	---	---	20.10	4.85	15.25	---	---
S-19	7/25/2006	---	---	---	---	---	---	---	20.10	6.14	13.96	---	---
S-19	1/4/2007	<50	<0.50	<0.50	<0.50	<1.0	---	---	20.10	5.75	14.35	---	---
S-19	7/24/2007	---	---	---	---	---	---	---	20.10	6.39	13.71	---	---
S-19	1/15/2008	<50 g	<0.50	<1.0	<1.0	<1.0	---	---	20.10	4.72	15.38	---	---
S-19	8/4/2008	---	---	---	---	---	---	---	20.10	6.43	13.67	---	---
S-19	1/8/2009	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.10	6.18	13.92	---	---
S-19	7/21/2009	---	---	---	---	---	---	---	20.10	6.67	13.43	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
S-19	01/12/2010 *	<50	<0.50	<1.0	<1.0	<1.0	---	---	20.10	6.14	13.96	---	---
S-19	7/22/2010	---	---	---	---	---	---	---	20.10	5.73	14.37	---	---
S-19	**2/1/2011**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**---**	**---**	**20.10**	**5.39**	**14.71**	**---**	**---**
SR-1	3/22/1989	5400	1100	230	350	1300	---	---	21.45	---	---	---	---
SR-1	1/25/1990	2200	470	120	110	510	---	---	21.45	7.53	13.92	---	---
SR-1	4/18/1990	1000	130	47	47	220	---	---	21.45	8.17	13.28	---	---
SR-1	7/23/1990	3200	470	320	170	870	---	---	21.45	7.58	13.87	---	---
SR-1	10/18/1990	1300	280	6.6	110	130	---	---	21.45	8.81	12.64	---	---
SR-1	1/28/1991	110	120	12	51	110	---	---	21.45	8.37	13.08	---	---
SR-1	4/25/1991	---	---	---	---	---	---	---	21.45	6.91	14.54	---	---
SR-1	7/9/1991	1400	200	27	130	340	---	---	21.45	8.11	13.34	---	---
SR-1	10/8/1991	980	79	1.5	44	52	---	---	21.45	8.63	12.82	---	---
SR-1	2/5/1991	3800	580	36	320	400	---	---	21.45	7.68	13.77	---	---
SR-1	4/28/1992	38000	1800	460	1900	750	---	---	21.45	7.27	14.18	---	---
SR-1	7/27/1992	---	---	---	---	---	---	---	21.45	8.11	13.34	0.01	---
SR-1	10/26/1992	1800	370	10	130	130	---	---	21.45	8.63	12.82	---	---
SR-1	1/13/1993	47000	1000	1100	1700	13000	---	---	21.45	5.46	15.99	---	---
SR-1	4/16/1993	25000	1700	430	2400	8300	---	---	21.45	6.28	15.17	---	---
SR-1	7/23/1993	33000	2400	2000	3800	14000	---	---	21.45	7.34	14.11	---	---
SR-1	10/27/1993	2300	340	<12.5	270	440	---	---	21.45	8.04	13.41	---	---
SR-1	1/27/1994	36000	2000	1700	3000	11000	---	---	21.45	6.68	14.77	---	---
SR-1	5/5/1994	43000	1500	130	2900	12000	---	---	20.57	6.81	13.76	---	---
SR-1	7/26/1994	13600	682.7	39.2	996.6	2516	---	---	20.57	7.38	13.19	---	---
SR-1	10/28/1994	8462	301.5	29.3	384.7	2019	---	---	20.57	7.48	13.09	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
SR-1	1/2/1995	13000	400	120	2500	10000	---	---	20.57	6.34	14.23	---	---
SR-1	4/14/1995	43000	690	370	2500	12000	---	---	20.57	5.29	15.28	---	---
SR-1	7/28/1995	35000	760	120	2300	8100	---	---	20.57	6.36	14.21	---	---
SR-1	10/17/1995	9700	310	12	610	1200	---	---	20.57	6.62	13.95	---	---
SR-1 (D)	10/17/1995	8300	230	9.6	680	840	---	---	20.57	---	---	---	---
SR-1	1/11/1996	18000	410	170	1200	4400	42	---	20.57	5.66	14.91	---	---
SR-1 (D)	1/11/1996	17000	420	180	1100	4000	42	---	20.57	---	---	---	---
SR-1	4/2/1996	---	---	---	---	---	---	---	20.57	5.14	15.43	---	---
SR-1	7/9/1996	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
SR-1	10/10/1996	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
SR-1	1/9/1997	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
SR-1	4/8/1997	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
SR-1	7/21/1997	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
SR-1	10/8/1997	---	---	---	---	---	---	---	20.57	6.94	13.63	---	---
SR-1	1/15/1998	8100	82	<25	36	2300	<125	---	20.57	4.30	16.27	---	---
SR-1	4/14/1998	Well inaccessible		---	---	---	---	---	20.57	---	---	---	---
SR-1	7/14/1998	---	---	---	---	---	---	---	20.28	6.48	13.80	---	---
SR-1	10/20/1998	---	---	---	---	---	---	---	20.28	6.61	13.67	---	---
SR-1	1/22/1999	Well inaccessible		---	---	---	---	---	20.28	---	---	---	---
SR-1	4/8/1999	---	---	---	---	---	---	---	20.28	0.97	19.31	---	---
SR-1	7/23/1999	Well dry	---	---	---	---	---	---	20.28	---	---	---	---
SR-1	10/26/1999	Well dry	---	---	---	---	---	---	20.28	---	---	---	---
SR-1	4/14/2000	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	7/12/2000	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	11/1/2000	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*
SR-1	1/3/2001	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	4/24/2001	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	7/2/2001	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	11/2/2001	Well dry	---	---	---	---	---	---	20.28	---	---	---	---
SR-1	1/16/2002	Well dry	---	---	---	---	---	---	20.28	---	---	---	---
SR-1	4/1/2002	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	7/11/2002	Obstruction in well		---	---	---	---	---	20.28	---	---	---	---
SR-1	10/28/2002	Obstruction in well		---	---	---	---	---	20.27	---	---	---	---
SR-1	1/23/2003	Obstruction in well		---	---	---	---	---	20.27	---	---	---	---
SR-1	4/30/2003	Obstruction in well		---	---	---	---	---	20.27	---	---	---	---
SR-1	7/1/2003	Obstruction in well		---	---	---	---	---	20.27	---	---	---	---
SR-1	10/8/2003	Well dry	---	---	---	---	---	---	20.27	---	---	---	---
SV-1	04/15/1998 b	---	---	---	---	---	---	---	---	6.02	---	---	---
SV-1	04/15/1998 c	---	---	---	---	---	---	---	---	7.15	---	---	---
SV-1	03/18/2002 d	---	---	---	---	---	---	---	21.31	---	---	---	---
SV-1	1/22/2004	3000	15	<2.5	34	11	---	<2.5	21.31	6.67	14.64	---	---

Abbreviations:
TPH-g = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to April 24, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to April 24, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater

TABLE 1

GROUNDWATER DATA
FORMER SHELL SERVICE STATION
15275 WASHINGTON AVENUE, SAN LEANDRO, CALIFORNIA

Well ID	*Date*	*TPH-g (ug/L)*	*B (ug/L)*	*T (ug/L)*	*E (ug/L)*	*X (ug/L)*	*MTBE 8020 (ug/L)*	*MTBE 8260 (ug/L)*	*TOC (MSL)*	*Depth to Water (ft.)*	*GW Elevation (MSL)*	*SPH Thickness (ft.)*	*DO Reading (ppm)*

DO = Dissolved Oxygen
ug/L = Parts per billion
MSL = Mean sea level
ppm = Parts per million
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

Notes:
a = Chromatogram pattern indicated an unidentified hydrocarbon.
b = Pre-development sample
c = Post-development sample
d = Survey date only.
e = DO reading not taken.
f = TOC lowered 0.08 feet due to wellhead maintenance on June 3, 2004.
g = Analyzed by EPA Method 8015B (M).
h = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) i was based upon the specified standard.
i = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
Site surveyed March 18, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.
* = Purge sample

APPENDIX E

GEOTRACKER UPLOAD CONFIRMATION RECEIPTS

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

Submittal Type:	**EDF - Soil and Water Investigation Report**
Submittal Title:	**Soil Borings 3-2011**
Facility Global ID:	**T0600100108**
Facility Name:	**ARCO #0601**
File Name:	**11030740.zip**
Organization Name:	**Broadbent & Associates, Inc.**
Username:	**BROADBENT-C**
IP Address:	**67.118.40.90**
Submittal Date/Time:	**3/23/2011 11:30:18 AM**
Confirmation Number:	**9820519983**

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

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

Submittal Type:	**EDF - Monitoring Report - Semi-Annually**
Submittal Title:	**1Q11 GW Monitoring**
Facility Global ID:	**T0600100108**
Facility Name:	**ARCO #0601**
File Name:	**11021453.zip**
Organization Name:	**Broadbent & Associates, Inc.**
Username:	**BROADBENT-C**
IP Address:	**67.118.40.90**
Submittal Date/Time:	**3/22/2011 2:00:32 PM**
Confirmation Number:	**2386219799**

VIEW QC REPORT

VIEW DETECTIONS REPORT